COST SUMMARY WORK

Task description: Cresson Project - Reclamation Cost Estimate 2025

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:000State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:M244-000

User: ERR

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Task Hours	Cost
4.0001	Ironclad Mine Area - Pile Leveling - Mass Grading	DOZER		
A0001 A0002			1.50	\$1,475
	Ironclad Mine Area - Pile Leveling - Fine Grading	DOZER	2.74	\$570
A0003	Ironclad Mine Area - 40 ft Lift - Mass Grading	DOZER	8.30	\$8,180
A0004	Ironclad Mine Area - 40 ft Lift - Fine Grading	DOZER	7.74	\$1,608
A0005	Ironclad Mine Area - Topsoil - Transport	TRUCK1	20.54	\$51,649
A0006	Ironclad Mine Area - Topsoil - Ripping	RIPPER	42.85	\$9,524
A0007	Ironclad Mine Area -Topsoil - Dozer Spreading	DOZER	30.39	\$6,314
A0100	SGOSA Mine Area - Pile Leveling - Mass Grading	DOZER	1.05	\$1,038
A0101	SGOSA Mine Area - Pile Leveling - Fine Grading	DOZER	0.97	\$201
A0102	SGOSA Mine Area - 100 - 300 ft Lift - Mass Grading	DOZER	1,062.20	\$1,047,127
A0103	SGOSA Mine Area - 100 - 300 ft Lift - Fine Grading	DOZER	857.41	\$178,148
A0104	SGOSA Mine Area - Topsoil - Lift 1 - Transport	TRUCK1	16.97	\$42,680
A0105	SGOSA Mine Area - Topsoil - Lift 2 - Transport	TRUCK1	14.29	\$41,330
A0106	SGOSA Mine Area - Topsoil - Lift 3 - Transport	TRUCK1	22.20	\$64,186
A0107	SGOSA Mine Area - Topsoil - Lift 4 - Transport	TRUCK1	42.24	\$106,210
A0108	SGOSA Mine Area - Topsoil - Lift 5 - Transport	TRUCK1	43.82	\$93,670
A0109	SGOSA Mine Area -Topsoil - Lift1 - 5 - Dozer Spreading	DOZER	630.01	\$130,900
A0110	SGOSA Mine Area - Topsoil - Lift 1 - 5 - Ripping	RIPPER	287.00	\$63,781
A0200	N. Cresson Mine Area - Pile Leveling - Mass Grading	DOZER	13.80	\$13,601
A0201	N. Cresson Mine Area - Pile Leveling - Fine Grading	DOZER	12.64	\$2,627
A0202	N. Cresson Mine Area - 200 - 250 ft Lift - Mass Grading	DOZER	2,012.21	\$1,983,657
A0203	N. Cresson Mine Area - 200 - 250 ft Lift - Fine Grading	DOZER	1,479.15	\$307,331
A0204	N. Cresson Mine Area - Topsoil - Transport	TRUCK1	40.79	\$133,332
A0205	N. Cresson Mine Area -Topsoil - Dozer Spreading	DOZER	64.52	\$13,406
A0206	N. Cresson Mine Area - Topsoil - Ripping	RIPPER	90.99	\$20,222
A0207	N. Cresson Mine Area - Topsoil - Lift 1 - Transport	TRUCK1	3.43	\$8,621
A0208	N. Cresson Mine Area - Topsoil - Lift 2 - Transport	TRUCK1	13.80	\$39,896
A0209	N. Cresson Mine Area - Topsoil - Lift 3 - Transport	TRUCK1	25.05	\$72,441
A0210	N. Cresson Mine Area - Topsoil - Lift 4 - Transport	TRUCK1	11.43	\$28,750
A0211	N. Cresson Mine Area - Topsoil - Lift 5 - Transport	TRUCK1	1.31	\$2,804
A0212	N. Cresson Mine Area -Topsoil - Lift1 - 5 - Dozer Spreading	DOZER	300.71	\$62,481
A0213	N. Cresson Mine Area - Topsoi - Lift 1-5 - Ripping	RIPPER	122.12	\$27,139
A0214	N. Cresson Mine Area - Topsoil - GlobeHillHR - Transport	TRUCK1	29.55	\$85,462
A0215	N. Cresson Mine Area -Topsoil - GlobeHillHR -Dozer Spreading	DOZER	164.84	\$34,250
A0216	N. Cresson Mine Area - Topsoil - GlobeHillHR - Ripping	RIPPER	65.93	\$14,652
A0300	ECOSA Mine Area - 50 - 150 ft Lift - Mass Grading	DOZER	1,147.29	\$1,131,006
A0300	ECOSA Mine Area - 50 - 150 ft Lift - Mass Grading ECOSA Mine Area - 50 - 150 ft Lift - Fine Grading	DOZER	1,025.65	\$213,105
A0301 A0302	ECOSA Mine Area - 30 - 130 it Lift - Fine Grading ECOSA Mine Area - Topsoil - Lift 1 - Transport	TRUCK1	54.48	\$136,995
AU3U2	ECOSA Mille Area - Topson - Litt I - Transport	IKUUKI	34.48	\$130,993

A0303	ECOSA Mine Area - Topsoil - Lift 2 - Transport	TRUCK1	57.80	\$123,548
A0303	ECOSA Mine Area - Topsoil - Lift 2 - Transport ECOSA Mine Area - Topsoil - Lift 3 - Transport	TRUCK1	52.28	\$123,346
A0304	ECOSA Mine Area - Topsoil - Lift 3 - Transport ECOSA Mine Area - Topsoil - Lift 4 - Transport	TRUCK1	39.49	\$114,204
A0305	ECOSA Mine Area - Topsoil - Lift 5 - Transport	TRUCK1	49.18	\$160,772
A0307	ECOSA Mine Area - Topsoil - Lift 6 - Transport	TRUCK1	19.11	\$69,688
A0307	ECOSA Mine Area - Topsoil - Lift 0 - Transport ECOSA Mine Area - Topsoil - Lift 1 - 6 - Dozer Spreading	DOZER	938.23	\$194,940
A0308 A0309	ECOSA Mine Area - Topsoil - Entr - 6 - Bozer Spreading ECOSA Mine Area - Topsoil - Ripping	RIPPER	560.07	\$194,940
A0400	E. Cresson Mine Area - Pile Leveling - Mass Grading	DOZER	0.24	\$235
A0400	E. Cresson Mine Area - Pile Leveling - Mass Grading E. Cresson Mine Area - Pile Leveling - Fine Grading	DOZER	0.24	\$46
A0401 A0402	E. Cresson Mine Area - 40 - 400 ft Lift - Mass Grading	DOZER	2,500.76	\$2,465,279
A0402 A0403	E. Cresson Mine Area - 40 - 400 ft Lift - Mass Grading E. Cresson Mine Area - 40 - 400 ft Lift - Fine Grading	DOZER	2,437.07	\$506,364
	E. Cresson Mine Area - 40 - 400 it Lift - Fine Grading E. Cresson Mine Area - Topsoil - Lift 2 - Transport		9.11	\$22,911
A0404 A0405		TRUCK1	7.64	\$19,208
	E. Cresson Mine Area - Topsoil - Lift 3 - Transport		46.30	·
A0406	E. Cresson Mine Area - Topsoil - Lift 4 - Transport	TRUCK1		\$116,439
A0407	E. Cresson Mine Area - Topsoil - Lift 5 - Transport	TRUCK1	93.94	\$236,221
A0408	E. Cresson Mine Area - Topsoil - Lift 6 - Transport	TRUCK1	85.18	\$246,339
A0409	E. Cresson Mine Area - Topsoil - Lift 2 - 6 - Dozer Spreading	DOZER	827.70	\$171,975
A0410	E. Cresson Mine Area - Topsoil - Ripping	RIPPER	492.67	\$109,486
A0411	E. Cresson Mine Area - Topsoil - WHEX - Transport	TRUCK1	146.89	\$369,375
A0412	E. Cresson Mine Area -Topsoil - WHEX - Dozer Spreading	DOZER	533.92	\$110,935
A0413	E. Cresson Mine Area - Topsoil - WHEX - Ripping	RIPPER	327.70	\$72,827
A0414	E. Cresson Mine Area - Topsoil - Ironclad - Transport	TRUCK1	11.74	\$29,532
A0415	E. Cresson Mine Area -Topsoil - Ironclad - Dozer Spreading	DOZER	39.92	\$8,295
A0416	E. Cresson Mine Area - Topsoil - Ironclad - Ripping	RIPPER	24.50	\$5,446
A0417	E. Cresson Mine Area - 100 ft Lift - Mass Grading	DOZER	288.48	\$284,386
A0418	E. Cresson Mine Area - 100 ft Lift - Fine Grading	DOZER	265.26	\$55,114
A0500	M. Cresson Mine Area - Pile Leveling - Mass Grading	DOZER	29.39	\$28,973
A0501	M. Cresson Mine Area - Pile Leveling - Fine Grading	DOZER	53.86	\$11,190
A0502	M. Cresson Mine Area - 50 - 650 ft Lift - Mass Grading	DOZER	3,561.56	\$3,511,025
A0503	M. Cresson Mine Area - 50 - 650 ft Lift - Fine Grading	DOZER	3,197.52	\$664,366
A0504	M. Cresson Mine Area - Topsoil -10185 - Transport	TRUCK1	61.21	\$153,922
A0505	M. Cresson Mine Area -Topsoil - 10185 - Dozer Spreading	DOZER	328.56	\$68,266
A0506	M. Cresson Mine Area - Topsoil - 10185 - Ripping	RIPPER	134.22	\$29,829
A0507	M. Cresson Mine Area - Topsoil - Ruby Rd - Transport	TRUCK1	74.31	\$186,870
A0508	M. Cresson Mine Area -Topsoil - Ruby Rd - Dozer Spreading	DOZER	270.11	\$56,123
A0509	M. Cresson Mine Area - Topsoil - Ruby Rd - Ripping	RIPPER	120.30	\$26,736
A0510	M. Cresson Mine Area - Topsoil - AJAX - Transport	TRUCK1	44.59	\$112,130
A0511	M. Cresson Mine Area -Topsoil - AJAX - Dozer Spreading	DOZER	53.97	\$11,214
A0512	M. Cresson Mine Area - Topsoil - AJAX - Ripping	RIPPER	62.14	\$13,810
A0513	M. Cresson Mine Area - Topsoil - Crusher - Transport	TRUCK1	46.64	\$99,701
A0514	M. Cresson Mine Area -Topsoil - Crusher - Dozer Spreading	DOZER	72.62	\$15,088
A0515	M. Cresson Mine Area - Topsoil - Crusher - Ripping	RIPPER	113.07	\$25,129
A0516	M. Cresson Mine Area - Topsoil - Pit Bottom - Transport	TRUCK1	53.23	\$234,245
A0517	M. Cresson Mine Area -Topsoil - Pit Bottom - Dozer Spreading	DOZER	104.87	\$21,789
A0518	M. Cresson Mine Area - Topsoil - Pit Bottom - Ripping	RIPPER	113.41	\$25,204
A0519	M. Cresson Mine Area - Topsoil - S. Cresson HR - Transport	TRUCK1	22.84	\$66,039
A0520	M. Cresson Mine Area -Topsoil - S. CressHR - Dozer Spreading	DOZER	32.97	\$6,850
A0521	M. Cresson Mine Area - Topsoil - S. Cresson HR - Ripping	RIPPER	49.40	\$10,979
A0522	M. Cresson Mine Area - Topsoil - Cresson HR - Transport	TRUCK1	22.13	\$89,035
A0523	M. Cresson Mine Area -Topsoil - Cresson HR - Dozer Spreading	DOZER	32.97	\$6,850
A0524	M. Cresson Mine Area - Topsoil - Cresson HR - Ripping	RIPPER	49.40	\$10,979
A0600	Crusher Mine Area - Pile Leveling - Mass Grading	DOZER	70.36	\$69,366
A0601	Crusher Mine Area - Pile Leveling - Fine Grading	DOZER	62.31	\$12,947
A0602	Crusher Mine Area - Topsoil - Transport	TRUCK1	32.80	\$94,843
	Crusher Mine Area -Topsoil - Dozer Spreading	DOZER	38.37	\$7,972

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A0604	Crusher Mine Area - Topsoil - Ripping	RIPPER	80.38	\$17,865
A0605	Crusher Mine Area - Delivery Rd - Mass Grading	DOZER	8.24	\$8,121
A0606	Crusher Mine Area - Delivery Rd - Fine Grading	DOZER TRUCK1	7.29 7.52	\$1,515
A0607	Crusher Mine Area - Topsoil - Delivery Rd - Transport			\$16,071
A0608	Crusher Mine Area -Topsoil - Delivery Road - Dozer Spreading	DOZER	9.10	\$1,891
A0609	Crusher Mine Area - Topsoil - Delivery Rd - Ripping	RIPPER	16.77	\$3,728
A0700	Chicago Mine Area - Topsoil - Transport	TRUCK1	2.94	\$6,293
A0701	Chicago Mine Area -Topsoil - Dozer Spreading	DOZER	3.56	\$740
A0702	Chicago Mine Area - Topsoil - Ripping	RIPPER	7.18	\$1,598
A0703	TR133 WHEX Clay Borrow Area - Topsoil - Transport TR133 WHEX Clay Borrow Area - Topsoil - Ripping	TRUCK1	6.08	\$9,617
A0704	, i ii ë	RIPPER	7.83	\$1,741
A0705	TR133 WHEX Clay Borrow Area - Topsoil - Dozer Spreading	DOZER	11.62	\$2,883
A0706	TR137 WHEX Clay Borrow Area Expansion - Fine Grading EMP18	DOZER	5.75	\$1,196
A0707	TR137 WHEX Clay Borrow Area Expansion - Topsoil - Transport	TRUCK1	10.50	\$16,610
A0708	TR137 WHEX Clay Borrow Area Expansion - Topsoil - Ripping	RIPPER	13.66	\$3,037
A0709	TR137 WHEX Clay Borrow Area Expansion - Topsoil - Dzr Spread	DOZER	20.07	\$4,170
A0710	TR142 South Cresson Backfill - Topsoil - Transport	TRUCK1	17.18	\$27,167
A0711	TR142 South Cresson Backfill - Topsoil - Ripping	RIPPER	17.99	\$4,000
A0712	TR142 South Cresson Backfill - Topsoil - Dozer Spreading	DOZER	26.59	\$5,526
A1000	AGVLF - Pile Leveling - Mass Grading	DOZER	8.01	\$7,898
A1001	AGVLF - Pile Leveling - Fine Grading	DOZER	7.34	\$1,525
A1002	AGVLF - 20 - 200 ft face - Mass Grading	DOZER	1,335.48	\$1,316,535
A1003	AGVLF - 20 - 200 ft face - Fine Grading	DOZER	1,182.46	\$245,687
A1004	AGVLF - Topsoil - Transport	TRUCK1	28.92	\$61,808
A1005	AGVLF -Topsoil - Dozer Spreading	DOZER	105.41	\$26,145
A1006	AGVLF - Topsoil - Ripping	RIPPER	53.52	\$11,894
A1007	AGVLF - Topsoil - Lift 1 - Transport	TRUCK1	21.18	\$53,260
A1008	AGVLF - Topsoil - Lift 2 - Transport	TRUCK1	27.56	\$69,316
A1009	AGVLF - Topsoil - Lift 3 - Transport	TRUCK1	36.57	\$91,954
A1010	AGVLF - Topsoil - Lift 4 - Transport	TRUCK1	60.10	\$151,126
A1011	AGVLF - Topsoil - Lift 5 - Transport	TRUCK1	55.28	\$159,867
A1012	AGVLF - Topsoil - Lift 6 - Transport	TRUCK1	70.60	\$230,789
A1013	AGVLF - Topsoil - Lift 7 - Transport	TRUCK1	102.79	\$336,023
A1014	AGVLF - Topsoil - Lift 8 - Transport	TRUCK1	54.61	\$137,327
A1015	AGVLF - Topsoil - Lift 9 - Transport	TRUCK1	44.74	\$95,623
A1016	AGVLF -Topsoil - Lift 1 - 9 - Dozer Spreading	DOZER	1,581.35	\$328,566
A1017	AGVLF - Topsoil - Lift 1 - 9 - Ripping	RIPPER	989.92	\$219,992
A1100	SGVLF - 100 ft face - Mass Grading	DOZER	890.60	\$877,959
A1101	SGVLF - 100 ft face - Fine Grading	DOZER	799.89	\$166,198
A1102	SGVLF - Topsoil - Lift 1 - Transport	TRUCK1	12.74	\$41,631
A1103	SGVLF - Topsoil - Lift 2 - Transport	TRUCK1	11.57	\$33,458
A1104	SGVLF - Topsoil - Lift 3 - Transport	TRUCK1	16.00	\$40,241
A1105	SGVLF - Topsoil - Lift 4 - Transport	TRUCK1	23.49	\$59,060
A1106	SGVLF - Topsoil - Lift 5 - Transport	TRUCK1	45.86	\$98,028
A1107	SGVLF - Topsoil - Lift 6 - Transport	TRUCK1	64.57	\$162,374
A1108	SGVLF - Topsoil - Lift 7 - Transport	TRUCK1	50.18	\$126,190
A1109	SGVLF - Topsoil - Lift 8 - Transport	TRUCK1	48.68	\$122,413
A1110	SGVLF - Topsoil - Lift 9 - Transport	TRUCK1	39.49	\$114,191
A1111	SGVLF - Topsoil - Lift 10 - Transport	TRUCK1	39.03	\$112,879
A1112	SGVLF - Topsoil - Lift 11 - Transport	TRUCK1	35.14	\$114,877
A1113	SGVLF - Topsoil - Lift 12 - Transport	TRUCK1	26.23	\$85,761
A1114	SGVLF - Topsoil - Lift 13 - Transport	TRUCK1	16.29	\$59,387
A1115	SGVLF -Topsoil - Lift 1 - 13 - Dozer Spreading	DOZER	1,041.17	\$216,329
A1116	SGVLF - Topsoil - Lift 1 - 13 - Ripping	RIPPER	928.89	\$206,428
A1117	TR113 AGVLF - Leach Cell Footprint - Ripping	RIPPER	2.04	\$1,085

A2000	AGVLF - 9400	TRUCK1	140.33	\$649,288
A2000 A2001	AGVLF - 9400 AGVLF - 9500	TRUCK1	193.95	\$798,680
A2001 A2002	AGVLF - 9500 AGVLF - 9600	TRUCK1	338.75	\$1,222,620
A2002 A2003	AGVLF - 9000 AGVLF - 9700	TRUCK1	382.51	\$1,380,561
A2003	AGVLF - 9700 AGVLF - 9800	TRUCK1	210.88	\$868,422
A2004	AGVLF - 9900 AGVLF - 9900	TRUCK1	120.27	\$556,464
A2005	AGVLF - 10000	TRUCK1	37.67	\$174,297
A2007	AGVLF - 10000 AGVLF - 9920	TRUCK1	2,720.48	\$12,587,508
A2007	AGVLF - 3920 AGVLF - 10020	TRUCK1	1,665.81	\$6,859,931
A2009	AGVLF - 10020 AGVLF - 10100	TRUCK1	1,615.58	\$5,830,931
A2010	AGVLF - 10100 AGVLF - 10190	TRUCK1	2,022.51	\$7,299,640
A2010	AGVLF - 10100 AGVLF - 10280	TRUCK1	1,433.67	\$6,633,516
A2100	Remove ROM	TRUCK1	5.19	\$16,170
A2200	Remove DCF and Liner	TRUCK1	5.19	\$16,170
A2300	Cresson Underground Portal Backfill	TRUCK1	1.15	\$2,800
A3000	Foundations and Buildings - Ripping	RIPPER	16.93	\$3,763
A3001	Foundations and Buildings - Repping Foundations and Buildings - B&G and Topsoil - 5.1k Haul	TRUCK1	69.75	\$154,329
A3001	Foundations and Buildings - B&G and Topsoil - 3.1k Haul	TRUCK1	5.75	\$16,456
A3002	Foundations and Buildings - B&G and Topsoil - 8.3k Haul	TRUCK1	16.47	\$50,750
A3003	Foundations and Buildings - B&G and Topsoil - 9.3k Haul	TRUCK1	95.67	\$294,824
A3004 A3005	Foundations and Buildings - B&G and Topsoil - 10.5k Haul	TRUCK1	0.86	\$2,464
A3005 A3006	Foundations and Buildings - B&G and Topsoil - 11.4k Haul Foundations and Buildings - B&G and Topsoil - 20k Haul	TRUCK1	3.12	\$4,190
A4000	EMP Ponds	TRUCK1	99.08	\$209,648
A4000	EMP Ponds - Topsoil	TRUCK1	6.90	\$14,609
A4001 A4002	Crusher Fuel Island Fresh Water Pond	TRUCK1	1.56	\$3,306
A4002 A4003	Crusher Fuel Island Fresh Water Pond - Topsoil	TRUCK1	0.28	\$594
A4003	Arequa External Ponds	TRUCK1	106.19	\$224,688
A4004 A4005	Arequa External Ponds - Topsoil	TRUCK1	7.00	\$14,816
A4006	TR124 Carlton Tunnel Pond Cleanout	TRUCK1	5.36	\$1,371
A5002	Ancillary Areas - Topsoil - Ripping	RIPPER	2,308.63	\$513,047
A5002	Growth Media Piles - Topsoil - Ripping	RIPPER	201.65	\$44,813
A5003	Monitoring Well Pads - Topsoil/Regrade - Dozer Spreading	DOZER	72.86	\$15,139
A6000	Monitoring Well Closure	BHOLE	167.88	\$140,431
A7000	Stormwater Construction	NA	1,000.00	\$20,359,590
B0001	Ironclad Mine Area - Revegetation	REVEGE	32.60	\$80,547
B0001	SGOSA Mine Area - Revegetation	REVEGE	215.30	\$531,283
B0002	N. Cresson Mine Area - Revegetation	REVEGE	160.90	\$397,090
B0003	N. Cresson Mine Area - Globe Hill HR - Revegetation	REVEGE	50.20	\$123,921
B0005	ECOSA Mine Area - Revegetation	REVEGE	438.60	\$1,082,341
B0006	E. Cresson Mine Area - Revegetation	REVEGE	386.90	\$954,841
B0007	E. Cresson Mine Area - WHEX - Revegetation	REVEGE	249.60	\$615,933
B0008	E. Cresson Mine Area - Ironclad - Revegetation	REVEGE	18.70	\$46,058
B0009	M. Cresson Mine Area - 10185 - Revegetation	REVEGE	104.00	\$256,665
B0010	M. Cresson Mine Area - Ruby Rd - Revegetation	REVEGE	91.60	\$226,124
B0010	M. Cresson Mine Area - AJAX - Revegetation	REVEGE	41.60	\$102,758
B0012	M. Cresson Mine Area - Crusher - Revegetation	REVEGE	75.80	\$186,976
B0012	M. Cresson Mine Area - Pit Bottom - Revegetation	REVEGE	86.40	\$213,167
B0014	M. Cresson Mine Area - S. Cresson HR - Revegetation	REVEGE	37.60	\$92,856
B0015	M. Cresson Mine Area - Cresson HR - Revegetation	REVEGE	37.60	\$92,856
B0016	Crusher Mine Area - Revegetation	REVEGE	53.90	\$132,929
B0017	Crusher Mine Area - Delivery Rd - Revegetation	REVEGE	12.80	\$31,528
B0018	Chicago Mine Area - Revegetation	REVEGE	5.10	\$12,648
B0019	TR133 WHEX Clay Borrow Area - Revegetation	REVEGE	5.90	\$14,499
B0020	TR137 WHEX Clay Borrow Area Expansion	REVEGE	10.30	\$25,296
B0021	TR142 South Cresson Backfill - Revegetation	REVEGE	11.00	\$33,317
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B1000	AGVLF - Revegetation	REVEGE	812.00	\$2,003,927
B1001	SGVLF - Revegetation	REVEGE	696.70	\$1,719,498
B2000	Foundations and Buildings - Revegetation	REVEGE	17.10	\$42,263
B3000	EMP Ponds - Revegetation	REVEGE	7.10	\$17,584
B3001	Crusher Fuel Island Fresh Water Pond - Revegetation	REVEGE	0.30	\$617
B3002	Arequa External Ponds - Revegetation	REVEGE	7.10	\$17,584
B4000	Ancillary Areas - Revegetation	REVEGE	1,789.00	\$4,414,506
B4001	Growth Media Piles - Revegetation	REVEGE	149.00	\$366,487
B4002	Monitoring Well Pads - Revegetation	REVEGE	20.00	\$50,284
B5000	E. Cresson Wildhorse - Tree Planting	REVEGE	111.25	\$44,389
B5001	N. Cresson - Tree Planting	REVEGE	28.75	\$11,471
B5002	M. Cresson - Tree Planting	REVEGE	73.75	\$29,426
B5003	E. Cresson - Tree Planting	REVEGE	286.25	\$114,214
B5004	Squaw OSA - Tree Planting	REVEGE	52.50	\$20,948
B5005	Arequa - Tree Planting	REVEGE	143.75	\$57,356
B5006	Squaw - Tree Planting	REVEGE	106.25	\$42,394
B5007	Mill Platform - Tree Planting	REVEGE	43.75	\$17,456
B5007	Victor & Ironclad - Tree Planting	REVEGE	52.50	\$20,948
B5009	Building Footprint - Tree Planting	REVEGE	108.75	\$43,391
B5010	Ancillary - Tree Planting	REVEGE	1,062.50	\$423,938
B5010	N. Cresson Viewshed	NA NA	1,000.00	\$1,494,461
C0001	VLF1 Rinse 1	NA	6,749.00	\$26,075,838
C0002	VLF1 Rinse 2	NA	6,749.00	\$27,318,140
C0002	VLF1 Rinse 2 VLF1 Rinse 3	NA	6,749.00	\$26,860,031
C1001	VLF2 Rinse 1	NA	3,879.00	\$12,165,704
C1001	VLF2 Rinse 2	NA	3,879.00	\$12,600,401
C1002	VLF2 Rinse 3	NA	3,879.00	\$12,771,239
D0001	Foundations and Building Area	DEMO	7,726.00	\$8,609,628
D1000	Conveyors and LOB, Septic System, Tire Demo	DEMO	200.00	\$730,502
D2000	Waste and Tank Disposal	DEMO	160.00	\$3,377,486
D3000	Fence and Culvert Demo	DEMO	60.00	\$41,099
D4000	Fence Installation (RS Means 32 31 13.20 0920)	DEMO	320.00	\$1,951,133
D5000	Pipe Demo	DEMO	80.00	\$566,892
D6000	Power Line Demo	DEMO	80.00	\$453,431
E0001	Erosion Maintenance	DOZER	649.21	\$134,890
E0001	Vegetation Survey	SITEMAINT	760.00	\$114,231
E0002	Site-wide Weed Control	REVEGE	160.00	\$804,175
E1000	Water Quality Monitoring (14 years)	NA NA	1,680.00	\$1,735,134
E2000	Perforate VLF Liner (6,000 LF)	DRILL	690.00	\$473,188
E2000	Perforate VLF Liner (casing)	NA NA	0.00	\$94,468
E3000	Chicago Tunnel	NA NA	40.00	\$118,873
F0001	Initial Mobilization	MOB	6.62	\$203,538
F0001	Site Maintenance Yr 1-14 (combined)	MOB	6.62	\$39,728
F0002	TR124 Carlton Tunnel Pond Cleanout - Mob	MOB	10.13	\$7,504
G0001	Prorated VLF2 Civil and Rinses: 67% Built at End of 2025	NA	0.00	(\$12,931,712)
00001	(Tasks A1100, A1101, C1001-C1003)	11/1	0.00	(412,731,712)
G0002	Prorated ECOSA Civil: 85% Built at End of 2025	NA	0.00	(\$201,617)
G0002	(Tasks A0300 and A0301)	11/1	0.00	(Ψ201,017)
	(10000110000 0110110001)	1	<u>I</u>	
			106961.55	\$231,205,468
				,,

INDIRECT COSTS

OVERHEAD AND PROFIT:

 Liability insurance:
 2.02 Total =
 \$4,670,350

 Performance bond:
 1.05 Total =
 \$2,427,657

 Job superintendent:
 53,480.78 Total =
 \$4,239,421

Profit: 10.00 Total = \$23,120,547

TOTAL O & P = \$34,457,976 CONTRACT AMOUNT (direct + O & P) = \$265,663,444

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

CONTINGENCY: 3.00 Total = \$6,936,164

TOTAL INDIRECT COST = \$74,310,340

TOTAL AMOUNT (direct + indirect) = \$305,515,808

Terms of the December 5, 2024 Stipulated Enforcement Agreement MV2024027:

Cost to construct temporary pump-back system and operate it for a 50-year period = \$27,058,980

 $TOTAL BOND AMOUNT = \underline{$332,574,788}$

Permit Action: 2025	
	5 Update 980244 Permit/Job#: M1980244
PROJECT IDENTIFICATION	
<u> </u>	All as Salara News
Task #: A0001 State: Colorado Date: 6/29/2025 County: Teller	Abbreviation: None Filename: 1
Date: <u>6/29/2025</u> County: <u>Teller</u> User: ERR	Filename: 1
Agency or organization name: <u>DRMS</u>	
HOURLY EQUIPMENT COST	
Basic Machine: Cat D10T - 10SU	
Horsepower: 574	
Blade Type: _ Semi-Universal	
Attachment: NA	
Shift Basis: 1 per day	
Data Source: (CRG)	
Cost Breakdown:	
	<u>Utilization %</u>
Ownership Cost/Hour: \$257.39	NA 122
Operating Cost/Hour: \$196.93	100
Ripper own. Cost/Hour: \$0.00	NA NA
Ripper op. Cost/Hour: \$0.00	0
Operator Cost/Hour: \$38.59	NA
MATERIAL QUANTITIES	
Initial Volume: 5,933	
Swell factor: 1.000	
2	
Loose volume: 5,933 LCY	
Loose volume: 5,933 LCY	mate
Loose volume: 5,933 LCY Source of estimated volume: 2022 CC&V Provided Estimated	mate
Loose volume: 5,933 LCY	mate
Loose volume: 5,933 LCY Source of estimated volume: 2022 CC&V Provided Estimated	mate
Loose volume: 5,933 LCY Source of estimated volume: 2022 CC&V Provided Estimated Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION	mate
Loose volume: 5,933 LCY Source of estimated volume: 2022 CC&V Provided Estimestate Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet	mate
Loose volume: 5,933 LCY Source of estimated volume: 2022 CC&V Provided Estimated Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION	mate
Loose volume: 5,933 LCY Source of estimated volume: 2022 CC&V Provided Estimer Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet	mate
Loose volume: 5,933 LCY Source of estimated volume: 2022 CC&V Provided Estimated Swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet 2,748.7 LCY/hr Materials consistency description: Loose stockpile 1.2	mate
Loose volume: 5,933 LCY Source of estimated volume: 2022 CC&V Provided Estime Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet 2,748.7 LCY/hr	mate
Loose volume: 5,933 LCY Source of estimated volume: 2022 CC&V Provided Estime Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet 2,748.7 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -10 %	mate
Loose volume: 5,933 LCY Source of estimated volume: 2022 CC&V Provided Estimestate Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet 2,748.7 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -10 % Average site altitude: 9,500 feet	mate
Loose volume: 5,933 LCY Source of estimated volume: Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet Unadjusted hourly production: 2,748.7 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -10 % Average site altitude: 9,500 feet Material weight: 2,800 lbs/LCY Weight description: Granite - Broken Job Condition Correction Factor	Source
Loose volume: 5,933 LCY Source of estimated volume: Cat Handbook HOURLY PRODUCTION Average push distance: 50 feet Unadjusted hourly production: 2,748.7 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -10 % Average site altitude: 9,500 feet Material weight: 2,800 lbs/LCY Weight description: Granite - Broken	

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 1,982.36 LCY/hr
Adjusted fleet production: 3964.72 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.249/LCY

Total job time: 1.50 Hours
Total job cost: \$1,475

Task description:	Ironc	lad Mine A	rea - Pile L	eveling - Fine Grading		
: Cresson Project		Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDEN	TIFICATIO	N				
Task #: A0002		State:	Colorado		Abbreviation:	None
Date: 6/29/2		County:	Teller		Filename:	2
User: ERR	023	County.	Tener		Thename.	
		DI)			
,	organization n		RMS			
HOURLY EQUI	PMENT CO	<u>ST</u>				
Basic Machine:	Cat D7R DS	Series II L	GP	<u></u>		
Horsepower:	240					
Blade Type:	Straight			<u></u>		
Attachment:	NA			<u></u>		
Shift Basis:	1 per day					
Data Source:	(CRG)			<u></u>		
Cost Breakdown:						
				<u>Utilization %</u>		
Ownership Cost/He			\$90.24	NA		
Operating Cost/He			\$78.95	100		
Ripper own. Cost/He			\$0.00	NA		
Ripper op. Cost/He			\$0.00	0		
Operator Cost/He	our:		\$38.59	NA		
MATERIAL QUA	<u>ANTITIES</u>					
Initial Volume:	659					
Swell factor:	1.000					
Loose volume:	659 LCY					
Source of estimated	1	2022 CC	— &V Provideo	1 Estimata		
Source of estimated		Cat Hand		1 Estilliate		
Source of estimated	swell factor.	Cut Hund				
HOURLY PROD	UCTION					
Average push distan	ce.	50 feet				
Unadjusted hourly p		800.0 LCY	/hr			
Materials consistence	y description:	Rock,	poorly ripped	d or blasted 0.6		
Average push gradie Average site altitude		feet	<u></u>			
Material weight:	·	lbs/LCY			<u> </u>	
Weight description:	Granite	e - Broken				
Job Condition Corre				Source		
	rator Skill:		750	(AVG.)		
Material co			600	(CAT HB)		
Dozin	g method:	1	000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 240.40 LCY/hr
Adjusted fleet production: 240.4 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.864/LCY

Total job time: 2.74 Hours
Total job cost: \$570

		Per	mit Action:	2025 Update		
Cresson Project				M1980244	Permit/Job#:	M1980244
PROJECT IDENT	<u>IFICATION</u>					
Task #: A0003		State:	Colorado		Abbreviation:	None
Date: 6/29/202	5 C	ounty:	Teller		Filename:	3
User: ERR					_	
A gangy or or	ganization name	o. Di	RMS			
		c. <u>Di</u>	XIVIS			
HOURLY EQUIPN	<u>IENT COST</u>					
Basic Machine: 0	Cat D10T - 10S	U				
· —	574					
	Semi-Universal					
	NA					
	per day			<u> </u>		
Data Source: (CRG)			<u> </u>		
Cost Breakdown:						
				Utilization %		
Ownership Cost/Hou	r:		\$257.39	NA		
Operating Cost/Hou			\$196.93	100		
Ripper own. Cost/Hou			\$0.00	NA		
Ripper op. Cost/Hou	r:		\$0.00	0		
Operator Cost/Hou	r:		\$38.59	NA		
m . 1	4.02.01					
Total unit Cost/Hour:	\$492.91					
Total Fleet Cost/Hour:	\$985.81					
MATERIAL QUAN	NTITIES					
Initial Volume: 21	1,753					
	000					
Loose volume: 21	1,753 LCY					
	,	000 00	0.17.15	LD .		
Source of estimated vo			&V Provided	1 Estimate		
Source of estimated sw	ell factor: C	at Hand	lbook			
HOUDI W DDODI	CTION					
HOURLY PRODU	CHUN					
Average push distance		eet				
Unadjusted hourly pro-	duction: 1,87	73.5 LC	Y/hr			
Materials consistency	description:	Consol	idated stock	oile 1.0		
•						
Average push gradient						
Average site altitude:	9,500 feet					
Material weight:	2,800 lbs/I	LCY			<u> </u>	
Weight description:	Granite - F	Broken				
Job Condition Correcti	on Factor			Source		
Operate	or Skill:	0.	.750	(AVG.)		
Material cons	istency:	1.	.000	(CAT HB)		
Dozing		1	200	(S-RV-S)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.426	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 1,310.70 LCY/hr
Adjusted fleet production: 2621.4 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.376/LCY

Total job time: 8.30 Hours
Total job cost: \$8,180

Task description:	Ironc	lad Mine A	rea - 40 ft L	ift - Fine Grading		
: Cresson Project		Per	mit Action:	2025 Update M1980244	_ Permit/Job#:	M1980244
PROJECT IDENT	TEICATIO)N				
Task #: A0004 Date: 6/29/20 User: ERR		State: County:	Colorado Teller		Abbreviation: Filename:	None 4
Agency or o	rganization 1	name: DI	RMS			
HOURLY EQUIP						
Basic Machine:			CD			
_	Cat D7R DS	s series ii L	GP			
Horsepower:	240					
Blade Type:	Straight			<u> </u>		
Attachment:	NA 1			<u> </u>		
Shift Basis:	1 per day			<u> </u>		
Data Source: _	(CRG)			<u> </u>		
Cost Breakdown:						
				Utilization %		
Ownership Cost/Ho	ur:		\$90.24	NA		
Operating Cost/Ho			\$78.95	100		
Ripper own. Cost/Ho			\$0.00	NA		
Ripper op. Cost/Ho			\$0.00	0		
Operator Cost/Ho			\$38.59	NA		
						
Swell factor:	2,417					
Loose volume:	2,417 LCY					
Source of estimated v Source of estimated s		2022 CC Cat Hand	&V Provided	l Estimate		
HOURLY PRODU	JCTION					
Average push distance Unadjusted hourly pro		90 feet 535.7 LCY	/hr			
Materials consistency	description:	Consol	idated stock	pile 1.0	_	
Average push gradier Average site altitude:	-20 % 9,500	feet				
Material weight:	2,800	lbs/LCY				
Weight description:	Granit	e - Broken				
Job Condition Correc				Source		
Opera	tor Skill:	0.	.750	(AVG.)		
Material con	sistency:	1.	.000	(CAT HB)	-	
	method:		000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.426	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 312.31 LCY/hr
Adjusted fleet production: 312.31 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.665/LCY

Total job time: 7.74 Hours
Total job cost: \$1,608

TRUCK/LOADER TEAM WORK

Site: Cresson Projec	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: _ M	1980244
PROJECT IDE	NTIFICATION					
Task #:A000		State: Colors	ado	Ab	breviation: No	
Date: $6/29$ User: ERR		County: Teller			Filename: A0	0005
	 -	na: DDMC				
Agency o	r organization nam	ne: DRMS				
HOURLY EQU	IPMENT COST	<u>-</u>		Shift bas	is: 1 per day	
	T 1 T 1 T		Equipment Descri	iption		
	Truck Loader Tear		777F T 992K			
Sup	port Equipment -L		D10T - 10SU			
		imp Area: NA				
Road N	Maintenance –Moto -Wat		T 16M ter Tanker, 7,000	Gal		
	****	ter frack.	ter runker, 7,000	Our.		
Cost Breakdown:	Truck/Loa			Equipment		nce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA NA	\$0.00	NA \$0.00	NA NA	NA \$0.00	NA \$0.00
Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team co	ost/hour: \$2.514.6					
	<u> ,</u>					
MATERIAL QU	JANTITIES PARTITIES					
Initial volume	e: <u>21,062</u>	CCY		factor: 1.215		
Loose volume	e: 25,59 0	0 LCY	•			
	ource of estimated		CC&V Provided	Estimate		
Sourc	e of estimated swe		Handbook			
	Material Purcha To	ase Cost: \$0.00 tal Cost: \$0.00				
HOURLY PRO	<u>ODUCTION</u>					
Truck Capacity:						
Truck Payload (we			D1 / CS	-		
Material Desc	weight: $1,600$ ription: Top So	i1	Pounds/LCY			
	Payload: 200,000		Pounds			

Payload Capacity:	125.00	LCY	•			
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
	Truck Volume	e Based on Number of	of Loader Passes:	70.40	LCY	
Loading Tool Capacity			Ruck	tet Size Class: N	NΑ	
Rated Capacity:	16.000	LCY (heaped)			NA .	_
Bucket Fill Factor:	1.100		irt mixtures (100-	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY				
Job Condition Corrections	<u>:</u>	S	Site Altitude (ft.): 9	9 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Net Correction: Loading Tool Cycle Time:		0.813 er of Loading Tool P	asses Required to I	Fill Truck:	4 1	passes
	Numbe		asses Required to I	Fill Truck:	41	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v	Numbe	er of Loading Tool P	asses Required to I	Fill Truck:	41	passes
Excavators and Front Shove Machine Cycle Time v Selected Value	Numbe els: vs. Job Conditio within this Basi	on Rating: NA ic Rating: NA	asses Required to I	Fill Truck:	41	passes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders –	Numbers Number	on Rating: NA ic Rating: NA	asses Required to I	Fill Truck:	41	passes
Excavators and Front Shove Machine Cycle Time v Selected Value	Numbers Sels: Vers. Job Conditions Within this Basing Material Description:	on Rating: NA ic Rating: NA	asses Required to I	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	Numberles: Vers. Job Condition Within this Basi Material Descript Material Material Material	on Rating: NA ic Rating: NA ription: NA		Dump: 0.10	0	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Numberles: Vers. Job Condition Within this Basi Material Descript Material Material Material	on Rating: NA ic Rating: NA ription: NA		Dump: 0.10	0 0.625 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors	Numberles: vs. Job Condition within this Basin Material Descript Multiples:	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle T		Dump: 0.10 naneuver): (Factor (min.)	00 0.625 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material:	Number Nu	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tail	ime (load, dump, n	Dump: 0.10 naneuver): (Factor (min.) 0.020	0.625 min Source (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors	Number Nu	on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Trial 0.02 nt - factor not applic	ime (load, dump, n	Dump: 0.10 naneuver): (Factor (min.)	00 0.625 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Total 0.02 nt - factor not appliced rership of trucks and	ime (load, dump, n	Dump: 0.10 naneuver): (Factor (min.) 0.020 0.000	00 0.625 minus Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Total 0.02 nt - factor not applice rership of trucks and cration -0.04	ime (load, dump, n	Dump: 0.10 naneuver): 0.00 Factor (min.) 0.020 0.000 -0.040	0.625 min Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: On Rating: NA ic Rating: Maneuver: NA asic Loader Cycle Telephore and the factor not applice the control of trucks and the cration -0.04 get 0.00 Net Cycle Ti	ime (load, dump, n able 0.00 d loaders -0.04 me Adjustment:	Dump: 0.10 naneuver): 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.625 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle To rial 0.02 nt - factor not applice rership of trucks and cration -0.04 get 0.00 Net Cycle Ti Adjusted Load	ime (load, dump, n cable 0.00 d loaders -0.04 me Adjustment: der Cycle Time:	Dump: 0.10 naneuver): (Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle To rial 0.02 nt - factor not applice rership of trucks and cration -0.04 get 0.00 Net Cycle Ti Adjusted Load	ime (load, dump, n able 0.00 d loaders -0.04 me Adjustment:	Dump: 0.10 naneuver): 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.625 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle To rial 0.02 nt - factor not applice rership of trucks and cration -0.04 get 0.00 Net Cycle Ti Adjusted Load	ime (load, dump, n cable 0.00 d loaders -0.04 me Adjustment: der Cycle Time:	Dump: 0.10 naneuver): (Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Sels: Ves. Job Condition within this Basis Material Describes: Nonadjusted Basis and Mixed material No adjustment Common ow Constant open Nominal targetics.	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle To rial 0.02 nt - factor not applice rership of trucks and cration -0.04 get 0.00 Net Cycle Ti Adjusted Load	ime (load, dump, n cable 0.00 d loaders -0.04 me Adjustment: _ der Cycle Time: _ Time per Truck: _	Dump: 0.10 naneuver): (Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time visuality Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle To rial 0.02 nt - factor not applice the reation -0.04 get 0.00 Net Cycle Ti Adjusted Load Net Load	ime (load, dump, n cable 0.00 d loaders -0.04 me Adjustment: der Cycle Time: Time per Truck:	Dump: 0.10 naneuver): (Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3892.00	-7.70	3.00	-4.70	1870	2.233

Haul Time: 2.233 minutes

Return	Route:

Retuin Route.								
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)		
1	3892.00	7.70	3.00	10.70	1734	2.377		

Return Time: 2.377 minutes
Total Truck Cycle Time: 8.442 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

500.38 LCY/Hour Adjusted for job efficiency: 415.31 LCY/Hour

Optimal No. of Trucks: _____ 3 ___ Truck(s) Selected Number of Trucks: ____ 3 ___ Truck(s)

Adjusted hourly truck team production: 1,245.94 LCY/Hour Adjusted single truck/loader team production: 1,245.94 LCY/Hour Adjusted multiple truck/loader team production: 1,245.94 LCY/Hour LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 20.54
 Hours

 Unit cost:
 \$2.018
 /LCY
 Total job cost:
 \$51,649

BULLDOZER RIPPING WORK

Task	description:	Ironclad Min	e Area - Topso	il - Ripping				
Site: C	resson Project]	Permit Action:	2025 Update M1980244	Pe	ermit/Job#:	M198024	4
PRO	OJECT IDENTIFI	<u>CATION</u>						
Т	Cask #: A0006 Date: 6/29/2025 User: ERR	Stat Count				reviation: _ Filename: _	None A0006	
	Agency or organ	ization name: _	DRMS					
НО	URLY EQUIPME	NT COST						
	Basic Machine	Cat D7R DS	Series II LGP		Horsepower:	2	40	
	Ripper Attachment:	3-Shank Ripp	oer		Shift Basis:		r day	
					Data Source:	(C)	RG)	
Cost	Breakdown:			ĺ	I I4:1:			
	Owner	ship Cost/Hour:		\$90.24	Utilization % NA			
		ating Cost/Hour:		\$78.95	100			
		ship Cost/Hour:		\$9.25	NA			
		ating Cost/Hour:		\$5.20 \$38.59	100 NA			
	-	Unit Cost/Hour:		\$222.23	IVA			
			ф.	<u> </u>				
	Total I	Fleet Cost/Hour:	\$22	2.23				
MA	TERIAL QUANT	<u>ITIES</u>	Sele	ected estimating	g method: Area	l		
Alte	rnate Methods:							
smic: N	A	E	Bank Volume:	NA	BCY	N	N Α	
Area: <u>26</u>	5.11 acr	es R	ip Depth (ft):	2.50	Volume: 1	05,310	I	BCY or C
HO) Seisi	URLY PRODUCT	Seismic V	(alooity)	NA	feet/seco	and		
		Seisilie v	elocity.	IVA	1660/8600	Jilu		
Area		Average Ripping	Denth:	2.45	feet/pass	9		
		Average Ripping Average Ripping		6.50	feet/pass			
		Average Ripping	Length:	300.00	feet/pass	S		
		Average Dozei		88.00	feet/min			
		verage Maneuve Production per u		0.25 0.734	minutes, acres/ho	-		
Ioh (•		0.734	acres/110	rui		
<u> 100 (</u>	Condition Correction		1	0.724	A 7			
	Unadjusted	Hourly Unit Prod		0.734	Acres/hi	r		
			Altitude:	9,500	feet	'D')		
			ide Adj: iciency:	1.00 0.83	(CAT H (1 shift/o			
			rection:	0.83	multipli	•		
		djusted Hourly U		0.61	Acres/hr			
	Ac	justed Hourly Fl			Acres/hr			
<u>JO</u> E	B TIME AND COS	justed Hourly Fl						
·		justed Hourly Fl	eet Production:		Acres/hr	2.86	Hour	rs.

	Dam	nit Action:	2025 Undata		
Cresson Project	Peri	nit Action:	2025 Update M1980244	Permit/Job#:	M1980244
		•			
PROJECT IDENTIFIC	CATION				
Task #: A0007	State:	Colorado		Abbreviation:	None
Date: 6/29/2025	County:	Teller		Filename:	5
User: ERR		101101		_	
		3.60			
Agency or organi	zation name: <u>DR</u>	.MS			
HOURLY EQUIPMEN	NT COST				
Basic Machine: Cat I	D7R DS Series II LO	GP			
Horsepower: 240					
Blade Type: Strai	ght				
Attachment: NA					
	r day				
Data Source: (CR)			<u> </u>		
Cost Breakdown:	,				
COST DICARGOWII.			Utilization %		
Ownership Cost/Hour:		\$90.24	NA		
Operating Cost/Hour:		\$78.95	100		
Ripper own. Cost/Hour:		\$0.00	NA		
		\$0.00	25		
Ripper op. Cost/Hour:					
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUANTI					
Initial Volume: 21,06					
Swell factor: <u>1.215</u>		<u> </u>			
Loose volume: 25,59	0 LCY	_			
Source of estimated volum	ie: 2022 CC&	&V Provided	l Estimate		
Source of estimated swell	factor: Cat Hand	book			
HOURLY PRODUCT	<u>ION</u>				
Average push distance:	50 feet				
Unadjusted hourly product		hr			
Materials consistency desc	eription: Loose s	tockpile 1.2			
Average push gradient:	-10 %				
Average push gradient. Average site altitude:	9,500 feet				
Material weight:	1,600 lbs/LCY			_	
Weight description:	Top Soil				
Job Condition Correction I	Factor		Source		
Operator S	kill: 0.	750	(AVG.)		
Material consister	ncy:1.	200	(CAT HB)		
Dozing meth		000	(GFN)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 842.16 LCY/hr
Adjusted fleet production: 842.16 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.247/LCY

Total job time: 30.39 Hours
Total job cost: \$6,314

Task description:	SGO	SA Mine Ai	ea - Pile Le	veling - Mass Grading		
: Cresson Project		Per	nit Action:	2025 Update M1980244	_ Permit/Job#:	M1980244
PROJECT IDEN	TIFICATIO)N				
Task #: A010 Date: 6/29/2	0	State: County:	Colorado Teller		Abbreviation: Filename:	None 6
Agency or	organization	name: DF	RMS			
HOURLY EQUI	PMENT CO	ST				
Basic Machine:	Cat D10T -	10SU				
Horsepower:	574					
Blade Type:	Semi-Unive	real				
Attachment:	NA	1341				
Shift Basis:	1 per day					
Data Source:	(CRG)			_		
Data Source.	(CKO)					
Cost Breakdown:						
				<u>Utilization %</u>		
Ownership Cost/H	lour:		\$257.39	NA		
Operating Cost/H	lour:		\$196.93	100		
Ripper own. Cost/H			\$0.00	NA		
Ripper op. Cost/H			\$0.00	0		
Operator Cost/H			\$38.59	NA		
MATERIAL QU						
Initial Volume:	2,088					
Swell factor:	1.000					
Loose volume:	2,088 LCY					
Source of estimated Source of estimated		2022 CCc Cat Hand	&V Provided book	l Estimate		
HOURLY PROI	<u>OUCTION</u>					
Average push distar	ice.	50 feet				
Unadjusted hourly		2,748.7 LC	Y/hr			
Materials consisten	cy description:	Rock, j	oorly ripped	d or blasted 0.6		
Average push gradi	ent: -10 %					
Average site altitud		feet				
Material weight:	_2,800	lbs/LCY			_	
Weight description:	Granit	e - Broken				
Job Condition Corre				Source		
	rator Skill: _		750	(AVG.)		
Material co	onsistency:	0.	600	(CAT HB)		
	ng method:	1	200	(S-RV-S)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 991.18 LCY/hr
Adjusted fleet production: 1982.36 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.497/LCY

Total job time: 1.05 Hours
Total job cost: \$1,038

Task description:	SGOSA Mine Ai	ea - Pile Le	veling - Fine Grading		
Cresson Project	Peri	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENTIFIC	CATION				
Task #: A0101 Date: 6/29/2025 User: ERR	State: County:	Colorado Teller		Abbreviation: Filename:	None A0101
Agency or organiz	zation name: <u>DR</u>	MS			
HOURLY EQUIPMEN	T COST				
	7R DS Series II L	ъP			
Horsepower: 240	TR DB Belles H E	31	<u> </u>		
Blade Type: Straig	rht		<u> </u>		
Attachment: NA	3111				
Shift Basis: 1 per	day				
Data Source: (CRC					
Data Source. (CRC	i <i>)</i>		<u> </u>		
<u>Cost Breakdown</u> :					
			<u>Utilization %</u>		
Ownership Cost/Hour: _		\$90.24	NA		
Operating Cost/Hour:		\$78.95	100		
Ripper own. Cost/Hour: _		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUANTI	<u> </u>				
Initial Volume: 232					
Swell factor: 1.000	NY 7				
Loose volume: 232 Lo	CY				
Source of estimated volume Source of estimated swell f		&V Provided	Estimate		
HOURLY PRODUCTI	<u>ON</u>				
Average push distance: Unadjusted hourly producti	on: 50 feet 800.0 LCY/	hr			
Materials consistency descri	iption: Rock, p	oorly ripped	or blasted 0.6		
Average push gradient: _ Average site altitude:	-10 % 9,500 feet				
Material weight:	2,800 lbs/LCY				
Weight description:	Granite - Broken				
Job Condition Correction F			Source		
Operator Sk		750	(AVG.)		
Material consisten	· -	600	(CAT HB)		
Dozing meth	od· 1	000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 240.40 LCY/hr
Adjusted fleet production: 240.4 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.864/LCY

Total job time: 0.97 Hours
Total job cost: \$201

Task description:	SGOS	SA Mine A	rea - 100 - 30	00 ft Lift - Mass Gradin	g	
Cresson Project		Per:	mit Action:	2025 Update M1980244	_ Permit/Job#:	M1980244
PROJECT IDENT	CIFICATIO	N				
Task #: A0102 Date: 6/29/20 User: ERR		State: County:	Colorado Teller		Abbreviation: _ Filename: _	None A0102
		DI	MC			
Agency or o	organization r	iame: Dr	RMS			
HOURLY EQUIP	MENT CO	<u>ST</u>				
Basic Machine: Horsepower: Blade Type: Attachment: Shift Basis:	Cat D10T - 574 Semi-UniverNA 1 per day					
Data Source:	(CRG)					
Cost Breakdown: Ownership Cost/Ho	ur:		\$257.39	<u>Utilization %</u> NA		
Operating Cost/Ho	ur:		\$196.93	100		
Ripper own. Cost/Ho			\$0.00	NA O		
Ripper op. Cost/Ho Operator Cost/Ho			\$0.00 \$38.59	0 NA		
Swell factor:	874,912 1.000		<u> </u>			
Loose volume:	874,912 LCY	:				
Source of estimated v Source of estimated s		2022 CCo Cat Hand	&V Provided book	l Estimate		
HOURLY PRODU	UCTION					
Average push distance Unadjusted hourly pr		375 feet 524.3 LCY	/hr			
Materials consistency	description:	Consol	idated stock	pile 1.0		
Average push gradier Average site altitude:		eet	<u></u>			
Material weight:	_2,800 1	bs/LCY				
Weight description:	Granite	e - Broken				
Job Condition Correct	tion Factor			Source		
	tor Skill:		750	(AVG.)		
Material cor			000	(CAT HB)		
	method:	1.	200	(S-BY-S)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 411.84 LCY/hr
Adjusted fleet production: 823.68 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$1.197/LCY

Total job time: 1,062.20 Hours
Total job cost: \$1,047,127

Task description:	SGO	SA Mine A	rea - 100 - 30	00 ft Lift - Fine Gradi	ng	
: Cresson Projec	t	Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDE	NTIFICATION	<u>ON</u>				
Task #: A01	03	State:	Colorado		Abbreviation:	None
	/2025	County:	Teller		Filename:	A0103
User: ERR		•				
Agency o	r organization	name: DI	RMS			
HOURLY EQU	IPMENT CO	OST				
Basic Machine:		S Series II L	.GP			
Horsepower:	240			<u> </u>		
Blade Type:	Straight					
Attachment:	NA					
Shift Basis:	1 per day					
Data Source:	(CRG)					
<u>Cost Breakdown</u> :				114:1:4: 0/		
O1: O	т		¢00.24	<u>Utilization %</u>		
Ownership Cost/			\$90.24 \$78.95	NA 100		
Operating Cost/				100		
Ripper own. Cost/			\$0.00	NA 0		
Ripper op. Cost/			\$0.00			
Operator Cost/	Hour:		\$38.59	NA		
MATERIAL QU	<u>JANTITIES</u>					
Initial Volume:	97,213					
Swell factor:	1.000					
Loose volume:	97,213 LCY					
Source of actimete	d volumo:	2022 CC	Pr.V. Drovido	1 Estimata		
Source of estimate		Cat Hand	&V Provided	1 Estimate		
Source of estimate	u swell factor.	Cat Halic	IDOOK			
HOURLY PRO	<u>DUCTION</u>					
Average push dista	ince:	375 feet				
Unadjusted hourly	production: _	173.2 LCY	/hr			
Materials consister	ncy description	: Consol	lidated stock	pile 1.0		
Average push grad	ient: -30 %					
Average site altitud						
Material weight:	2,800	lbs/LCY				
Weight description	: Grani	te - Broken				
Job Condition Cor				Source		
	erator Skill: _		.750	(AVG.)		
	consistency:		.000	(CAT HB)	<u> </u>	
Doz	ing method:	1	.000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production: 113.38 LCY/hr
Adjusted fleet production: 113.38 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.833/LCY

Total job time: 857.41 Hours
Total job cost: \$178,148

TRUCK/LOADER TEAM WORK

Task description:		Mine Area - Top Permit Action	on: 2025 Update	e	Downit/Leb-#. N	1090244
Site: Cresson Project			M1980244		Permit/Job#: <u>M</u>	1980244
PROJECT IDEN	TIFICATION					
Task #: A0104	4	State: Colora	ado	Ab	breviation: No	ne
Date: 6/29/2	2025	County: Teller			Filename: A0	104
User: ERR						
Agency or	organization nan	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>7</u>		Shift bas	is: 1 per day	
			Equipment Descri	iption		
1	ruck Loader Tea		777F Г 992K			
Supp	ort Equipment -L		D10T - 10SU			
	-Dı	ımp Area: NA				
Road M	aintenance – Mote		Γ 16M er Tanker, 7,000	C a1		
	- vv a	ter fruck: wat	er Tanker, 7,000	Gai.		
Cost Breakdown:	Truck/Loa	nder Team	Support 1	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
ipper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	0252.41
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team cos	st/hour: \$2,514.	<u> </u>				
MATERIAL QU	ANTITIES					
Initial volume:		CCY		factor: 1.215		
Loose volume:	22,61	1 LCY				
	urce of estimated		CC&V Provided	Estimate		
Source	of estimated swe		Handbook			
	Material Purcha	ase Cost: \$0.00 otal Cost: \$0.00				
	10	ναι Cost. <u>ψο.ος</u>	,			
HOURLY PRO	DUCTION					
Truck Capacity:						
Truck Payload (weight	ght) Basis:					
Material v	veight: 1,600		Pounds/LCY	•		
	iption: Top So		Doug de			
Rated Pa	yload: 200,00	U	Pounds			

Truck/Loader Worksheet Co						
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume: _	78.80	LCY				
	Truck Volume	Based on Number o	of Loader Passes:	70.40	LCY	
Loading Tool Capacity						
			Buck	tet Size Class: N	NA .	_
Rated Capacity:	16.000	LCY (heaped)				=
Bucket Fill Factor:	1.100		rt mixtures (100-	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY				
Job Condition Corrections	<u>:</u>	S	ite Altitude (ft.): 9	<u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB	·		
Job Efficiency:	0.830	0.830	(CAT HB)		
<u> </u>						
Net Correction:	0.830	0.813				
Net Correction: Loading Tool Cycle Time:	Numbe	0.813	asses Required to I	Fill Truck:	41	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v	Numbe	or of Loading Tool Pa	usses Required to I	Fill Truck:	41	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value	Numbe <u>els:</u> s. Job Conditio within this Basi	or of Loading Tool Pa on Rating: NA ic Rating: NA			<u>4</u> 1	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v	Numbe vs. Job Conditio within this Basi Material Descr	or of Loading Tool Pa on Rating: NA ic Rating: NA	usses Required to I		41	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders –	Numbers Substitution Numbers Substitution (Numbers Substitution (N	or of Loading Tool Pa on Rating: NA ic Rating: NA				passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	Numbersels: Test of Conditions Within this Basins Material Descript Material Material Descript Material Material Descript Material M	on Rating: NA ic Rating: NA ription: Maneuver: NA		Dump:0.100		
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	Numbersels: Test of Conditions Within this Basins Material Descript Material Material Descript Material Material Descript Material M	on Rating: NA ic Rating: NA ription: Maneuver: NA		Dump:0.100	0	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Numbersels: Test of Conditions Within this Basins Material Descript Material Material Descript Material Material Descript Material M	on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Ti		Dump: 0.100	0 0.625 min	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Numbers See Number	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applica	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.)	0 min- Source (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbersels: Test Job Conditions within this Basis Material Describes: Muster Material Describes: Muster Mixed Mixed material No adjustment Common ow	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applica nership of trucks and	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	0	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: Se	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbersels: Test Job Conditions within this Basis Material Describes: Muster Material Describes: Muster Mixed Mixed material No adjustment Common ow	on Rating: NA ic Rating: NA ic Rating: NA iciption: NA asic Loader Cycle Ti ial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: Se	on Rating: NA ic	me (load, dump, n able 0.00 I loaders -0.04 me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: Se	on Rating: NA ic Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applica nership of trucks and eration -0.04 get 0.00 Net Cycle Tir Adjusted Load	me (load, dump, n able 0.00 I loaders -0.04 me Adjustment: ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Sels: Se	on Rating: NA ic Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applica nership of trucks and eration -0.04 get 0.00 Net Cycle Tir Adjusted Load	me (load, dump, n able 0.00 I loaders -0.04 me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time varieties Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number Sels: Test Job Condition within this Basis Material Describing: When Wise Mixed Basis Mixed material No adjustment Common ow Constant open Nominal target.	on Rating: NA ic Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applicate the restriction -0.04 get 0.00 Net Cycle Tir Adjusted Load Net Load T	me (load, dump, nable 0.00 I loaders -0.04 me Adjustment: ler Cycle Time: Time per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time: Truck Exchange Time	Number Sels: Se	on Rating: NA ic Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applica nership of trucks and eration -0.04 get 0.00 Net Cycle Tir Adjusted Load Net Load T	me (load, dump, nable 0.00 I loaders -0.04 me Adjustment: ler Cycle Time: Cime per Truck: Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	O Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.800	utes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time varieties Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number Sels: Test Job Condition within this Basis Material Describing: Unadjusted Basis Mixed material No adjustment Common ow Constant open Nominal targetter 1.795	on Rating: NA ic Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applicate the restriction -0.04 get 0.00 Net Cycle Tir Adjusted Load Net Load T	me (load, dump, n able 0.00 l loaders -0.04 me Adjustment: ler Cycle Time: Time per Truck: Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4897.00	-6.10	3.00	-3.10	3450	1.494

Return Route:
Seg # Haul Distance Grade (%) Roll. Res Total Res Velocity Travel

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4897.00	6.10	3.00	9.10	2134	2.515

Return Time: 2.515 minutes
Total Truck Cycle Time: 7.841 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

_____538.73 LCY/Hour Adjusted for job efficiency: ____447.15 LCY/Hour

Optimal No. of Trucks: _____ 3 ___ Truck(s) Selected Number of Trucks: ____ 3 ___ Truck(s)

Adjusted hourly truck team production: 1,341.44 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 16.97
 Hours

 Unit cost:
 \$1.888
 /LCY
 Total job cost:
 \$42,680

TRUCK/LOADER TEAM WORK

Task description:	SGOSA	Mine Area - To	psoil - Lift 2 - Tr	ansport		
Site: Cresson Project	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN Task #: A010 Date: 6/29/ User: ERR)5	State: Colora County: Teller	ado	Ab	breviation: Non Filename: A0	
Agency o	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COS	_			is: <u>1 per day</u>	
-	Truck Loader Tea		Equipment Descri 777F	ption		
Cum	oort Equipment -I		Г 992K D10T - 10SU			
	-D	ump Area: NA				
Road N	Iaintenance –Mot -Wa		T 16M ter Tanker, 7,000	Gal		
		·				
Cost Breakdown:	Truck/Lo Truck	ader Team Loader	Support I Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	NA \$0.00
Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	4	1	1	0	1	1
Group Subtotals:	Work:	\$2,046.51	Support:	\$492.91	Maint:	\$352.41
Total work team co		83				
Initial volume Loose volume		CCY LCY		factor: 1.215		
	ource of estimated e of estimated swo Material Purch To	ell factor: Cat I		Estimate		
HOURLY PRO	<u>DDUCTION</u>					
Truck Capacity: Truck Payload (we Material Desc		oil	Pounds/LCY			
Rated P			Pounds			

Payload Capacity:	125.00	LCY	7			
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Fina	Truck Volume	e Based on Number	of Loader Passes:	70.40	LCY	
Loading Tool Capacity			D 1	· G' - G' - N	т А	
Rated Capacity:	16.000	LCY (heaped)		tet Size Class: N	NA	
Bucket Fill Factor:	1.100		irt mixtures (100-	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY	(-00	,		
Job Condition Corrections	•		Site Altitude (ft.): 9	0500 feet		
500 Condition Corrections			` ' -	<u>-500</u> rect		
Altitude Adj:	1.000	Loader 0.980	Source (CAT HB	<u> </u>		
Job Efficiency:	0.830	0.830	(CAT HB			
	0.030	0.030	(CAT IID	,		
Net Correction:	0.830	0.813				
		0.813 er of Loading Tool P	asses Required to I	Fill Truck:	41	passes
Net Correction:	Numbe	1	asses Required to I	Fill Truck:	41	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v	Numbe	er of Loading Tool P	asses Required to I	Fill Truck:	41	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value	Numbers Number	er of Loading Tool P on Rating: NA ic Rating: NA	asses Required to I	Fill Truck:	4	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders —	Numbers Number	er of Loading Tool P on Rating: NA ic Rating: NA	asses Required to I	Fill Truck:	4	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	Numbers Sels: Vers. Job Conditions Within this Basic Material Description:	or of Loading Tool P on Rating: NA ic Rating: NA ription:	asses Required to I			passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders —	Numbers Sels: Vers. Job Conditions Within this Basic Material Description:	er of Loading Tool P on Rating: NA ic Rating: NA	asses Required to I	Fill Truck:		passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	Numberles: vs. Job Condition within this Basin Material Descript Material N	er of Loading Tool P on Rating: NA ic Rating: NA ription: NA		Dump: 0.10		
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Numberles: vs. Job Condition within this Basin Material Descript Material N	er of Loading Tool P on Rating: NA ic Rating: NA ription: NA		Dump: 0.10	0	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	Numberles: vs. Job Condition within this Basin Material Descript Material N	er of Loading Tool P on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle T		Dump: 0.10	0 0.625 min	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors	Number Nu	er of Loading Tool P on Rating: NA ic Rating: NA ription: NA asic Loader Cycle T rial 0.02 ent - factor not applic	ime (load, dump, n	Dump: 0.100000000000000000000000000000000000	0 0.625 min	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Nu	er of Loading Tool P on Rating: NA ic Rating: NA ription: NA asic Loader Cycle T rial 0.02 ont - factor not applic	ime (load, dump, n	Dump: 0.100 naneuver): 0.000	0	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle T rial 0.02 ont - factor not applic reship of trucks an eration -0.04	ime (load, dump, n	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020 0.000 -0.040 -0.040	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Nu	on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle T rial 0.02 ont - factor not applic rership of trucks an eration -0.04 get 0.00	ime (load, dump, n	Dump: 0.100 naneuver): 0.000 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle T rial 0.02 ont - factor not applic restation -0.04 get 0.00 Net Cycle Ti	ime (load, dump, n cable 0.00 d loaders -0.04	Dump: 0.100 naneuver): 0.020 0.000 -0.040 -0.040 0.000 -0.060	0	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle T rial 0.02 ont - factor not applicate of trucks an eration -0.04 get 0.00 Net Cycle Ti Adjusted Loa	ime (load, dump, n cable 0.00 d loaders -0.04 ime Adjustment:	Dump: 0.100 naneuver): (Continuo) 10.020 10.000 10.040 10.040 10.000 10.060 10.565	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle T rial 0.02 ont - factor not applicate of trucks an eration -0.04 get 0.00 Net Cycle Ti Adjusted Loa	ime (load, dump, n cable 0.00 d loaders -0.04	Dump: 0.100 naneuver): 0.020 0.000 -0.040 -0.040 0.000 -0.060	0	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle T rial 0.02 ont - factor not applicate of trucks an eration -0.04 get 0.00 Net Cycle Ti Adjusted Loa	ime (load, dump, n cable 0.00 d loaders -0.04 ime Adjustment:	Dump: 0.100 naneuver): (Continuo) 10.020 10.000 10.040 10.040 10.000 10.060 10.565	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Sels: vs. Job Condition within this Basis Material Describes: Unadjusted Basis Mixed mater No adjustmer Common ow Constant open Nominal targets.	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle T rial 0.02 ont - factor not applicate of trucks an eration -0.04 get 0.00 Net Cycle Ti Adjusted Loa	ime (load, dump, note that the content of the conte	Dump: 0.100 naneuver): (Continuo) 10.020 10.000 10.040 10.040 10.000 10.060 10.565	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time value Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number Number Number No. Job Conditions within this Basis Material Describer No. Mixed mater No. adjustment Common ow Constant open Nominal target: O.80	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle T rial 0.02 ont - factor not applicate of trucks and eration -0.04 get 0.00 Net Cycle Ti Adjusted Load	ime (load, dump, n cable 0.00 d loaders -0.04 ime Adjustment: der Cycle Time: Time per Truck:	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	O.625 minutes minutes	utes

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

4250.00

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4250.00	8.70	3.00	11.70	675	6.342

Haul Time: **6.342** minutes Return Route: Roll. Res Total Res Travel Haul Distance Grade (%) Velocity Seg# Time (Ft) (%) (%) (fpm) (min)

3.00

-8.70

Return Time: 1.270 minutes
Total Truck Cycle Time: 11.444 minutes

3450

1.270

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

-5.70

369.11 LCY/Hour Adjusted for job efficiency: 306.36 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 1,225.46 LCY/Hour Adjusted single truck/loader team production: 1,225.46 LCY/Hour Adjusted multiple truck/loader team production: 1,225.46 LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____14.29 Hours

Unit cost: \$2.360 /LCY Total job cost: **\$41,330**

TRUCK/LOADER TEAM WORK

te: Cresson Project		Permit Action: 2025 Update M1980244			Permit/Job#:M1980244		
PROJECT IDE	NTIFICATION						
			ado	Ab	Abbreviation: None		
Date: <u>6/29/2025</u> County: User: ERR		County: Teller			Filename: A0106		
		DD140					
Agency o	or organization nan	ne: DRMS				<u></u>	
HOURLY EQU	IPMENT COST	<u> </u>		Shift bas	is: 1 per day		
			Equipment Descri	iption			
	Truck Loader Tea		777F				
Sur	port Equipment -L		T 992K D10T - 10SU			<u></u> _	
		ımp Area: NA					
Road I	Maintenance – Moto		T 16M				
	-Wa	ter Truck: Wa	ter Tanker, 7,000	Gal.			
Cost Breakdown:	Truck/Loa	der Team	Support 1	Equipment	Maintenar	nce Equipment	
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck	
Utilization-machine:	100	100	100	NA	25	25	
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42	
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80	
%Utilization-riper:	NA	0	NA	NA	NA	NA	
ipper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00	
Ripper op. cost/hour: Operator cost/hour:	NA \$25.24	\$0.00 \$36.85	\$0.00 \$38.59	NA NA	\$0.00 \$27.76	\$0.00 \$21.12	
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA NA	\$237.06	\$115.35	
Number of Units:	4	1	1	0	1	1	
Group Subtotals:	Work:	\$2,046.51	Support:	\$492.91	Maint:	\$352.41	
Total work team c	ost/hour: \$2,891. 8	83					
Total Work team e	ου ποαι. <u>ψ2,001.</u>	,,,					
MATERIAL Q	<u>UANTITIES</u>						
Initial volum	e: 24,337	CCY	Swell	factor: 1.215			
Loose volum	e: 29,56	9 LCY	•				
S	ource of estimated		CC&V Provided	Estimate			
Sourc	ce of estimated swe		Handbook				
	Material Purcha To	ase Cost: \$0.00 otal Cost: \$0.00					
HOURLY PR	<u>ODUCTION</u>						
Truck Capacity:							
Truck Payload (we			D. 1/1/032	•			
Material Desc	weight: 1,600 cription: Top So	il	Pounds/LCY				
	Payload: 200,00		Pounds				

<u>-</u>						
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Fina	l Truck Volume	Based on Number of L	oader Passes:	70.40	LCY	
Loading Tool Capacity						
Rated Capacity:	16.000	LCY (heaped)	Buck	cet Size Class: _	NA	_
Bucket Fill Factor:	1.100	Other - rock/dirt m	nixtures (100-	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY	(2 2			
Job Condition Corrections		Sita	Altitude (ft.): 9)500 foot		
Job Condition Corrections	_			<u> </u>		
A 1('4 - 1 - A 1')	Truck	Loader	Source	`		
Altitude Adj: Job Efficiency:	1.000 0.830	0.980 0.830	(CAT HB (CAT HB			
JOU Efficiency.	0.830	0.830	(CAT IID			
Net Correction:	0.830	0.813				
Excavators and Front Shove	els:					
Machine Cycle Time v Selected Value	vs. Job Conditio within this Basi	ic Rating: NA				
Machine Cycle Time v Selected Value Track Loaders –	vs. Job Conditio within this Basi Material Descr	ic Rating: NA				
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	vs. Job Conditio within this Basi Material Descr	ic Rating: NA			100	
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	vs. Job Conditio within this Basi Material Descr :	ic Rating: NA ription: Maneuver: NA		·	100	
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	vs. Job Conditio within this Basi Material Descr :	ic Rating: NA ription: Maneuver: NA	(load, dump, n	·	0.625	uutes
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	vs. Job Conditio within this Basi Material Descr :	ic Rating: NA ription: Maneuver: NA	(load, dump, n	·		nutes
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material:	vs. Job Conditio within this Basi Material Descr :	ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Time ial 0.02		naneuver): Factor (min.) 0.020	0.625 min Source (Cat HB)	uutes
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	ys. Job Conditio within this Basi Material Descr : M - Unadjusted Ba Mixed mater No adjustment	ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicable	e 0.00	naneuver): Factor (min.) 0.020 0.000	0.625 mir Source (Cat HB) (Cat HB)	nutes
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	ys. Job Conditio within this Basi Material Descr : M - Unadjusted Ba Mixed mater No adjustment Common ow	ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicable nership of trucks and loader	e 0.00	raneuver): Factor (min.) 0.020 0.000 -0.040	0.625 mir Source (Cat HB) (Cat HB) (Cat HB)	nutes
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	ys. Job Conditio within this Basi Material Descr :	Ic Rating: NA Iniption: NA Maneuver: NA Masic Loader Cycle Time It ial 0.02 Int - factor not applicable Inership of trucks and location -0.04	e 0.00	Factor (min.) 0.020 0.000 -0.040 -0.040	0.625 mir Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	nutes
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	ys. Job Conditio within this Basi Material Descr : M - Unadjusted Ba Mixed mater No adjustment Common ow	Maneuver: NA Masic Loader Cycle Time ial 0.02 nt - factor not applicable nership of trucks and load partion -0.04 get 0.00	e 0.00 aders -0.04	naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.625 min	uutes
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	ys. Job Conditio within this Basi Material Descr :	Ic Rating: NA Iniption: NA Iniption: NA Iniption: NA Inipation: NA Inipition: NA Inipition	e 0.00 aders -0.04 Adjustment:	naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.625 min	nutes
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	ys. Job Conditio within this Basi Material Descr :	Maneuver: NA Masic Loader Cycle Time ial 0.02 nt - factor not applicable nership of trucks and load partion -0.04 get 0.00	e 0.00 aders -0.04 Adjustment: Cycle Time:	naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.625 min	nutes
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	ys. Job Conditio within this Basi Material Descr :	Maneuver: NA Masic Loader Cycle Time Maid 0.02 Int - factor not applicable Marting of trucks and loader of the cycle Time Masic Loader Cycle Time Adjusted Loader of the cycle Time Adjusted Loader of the cycle Time	e 0.00 aders -0.04 Adjustment: Cycle Time:	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	uutes
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	within this Basis Material Describing: Material Describing: Mused Material Describing: Mixed Material Describin	Maneuver: NA Masic Loader Cycle Time Maid 0.02 Int - factor not applicable Marting of trucks and loader of the cycle Time Masic Loader Cycle Time Adjusted Loader of the cycle Time Adjusted Loader of the cycle Time	Adjustment: _Cycle Time: _e per Truck: _	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Machine Cycle Time v Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	within this Basis Material Describes: Material Des	Maneuver: NA Masic Loader Cycle Time Maid 0.02 Int - factor not applicable nership of trucks and loader trucks and loader 0.04 Met Cycle Time Adjusted Loader Net Load Tim	Adjustment: Cycle Time: e per Truck: Adjusted	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	nutes Minute Minute
Machine Cycle Time v Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time: Truck Exchange Time	within this Basis Material Describes Material Describes Material Describes Material Describes Mixed Material Basis Mixed mater No adjustment Common ow Constant open Nominal targette Mominal tar	Ic Rating: NA Iniption: Maneuver: NA Iniption: Maneuver: NA Iniption: Masic Loader Cycle Time Inipidial 0.02 Int - factor not applicable Inership of trucks and loader of the cycle Time Adjusted Loader of Net Load Time Minutes	Adjusted Adjusted	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.800	Minute

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3125.00	8.60	3.00	11.60	675	4.674

Haul Time: 4.674 minutes

Return Route:

IXCUITI IXC	Juic.						
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	3125.00	-8.60	3.00	-5.60	3450	0.942	ĺ

Return Time: 0.942 minutes
Total Truck Cycle Time: 9.448 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

447.10 LCY/Hour Adjusted for job efficiency: 371.09 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 1,484.36 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 22.20 Hours

Unit cost: \$2.171 /LCY Total job cost: **\$64,186**

TRUCK/LOADER TEAM WORK

Task description:	SGOSA	Mine Area - To	psoil - Lift 4 - Tr	ansport		
Site: Cresson Project	;	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	NTIFICATION	[
Task #:A010		State: Colora		Ab	breviation: No	
Date: <u>6/29/</u> User: ERR	2025	County: Teller			Filename: A0	107
	r organization nar	ne: DRMS				
Agency of	i organization nai	ile. DRIVIS				
HOURLY EQUI	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day	
	Truck Loader Tea		Equipment Descri 777F	ption		
	Truck Loader Tea		T 992K			
Supp	oort Equipment -I		D10T - 10SU			
Road N	-D Iaintenance –Mot	ump Area: NA	T 16M			
			ter Tanker, 7,000	Gal.		
G (P 11	T 1.7	. T	G		36.1	.
Cost Breakdown:	Truck/Lo	ader Team Loader	Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour: Operator cost/hour:	NA \$25.24	\$0.00 \$36.85	\$0.00 \$38.59	NA NA	\$0.00 \$27.76	\$0.00 \$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA NA	\$27.76	\$115.35
Number of Units:	3	1	\$ 4 92.91	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team co		. ,	2377	+ ->> -		*******
Total work team co	52,514.	<u>08</u>				
MATERIAL QU	JANTITIES					
Initial volume	e: 46,311	CCY	Swell	factor: 1.215		
Loose volume						
Sc	ource of estimated	l volume: 2022	CC&V Provided	Estimate		
Source	e of estimated swe		Handbook			
	Material Purch					
	10	otal Cost:\$0.00	J			
HOURLY PRO	<u>DDUCTION</u>					
Truck Capacity:						
Truck Payload (we			D. 1 / CV			
Material y	weight: $1,600$ ription: Top So	nil	Pounds/LCY			
Rated P	· — —		Pounds			

Truck/Loader Worksheet Con	t'd	Task # A0107			Page 2 of 3	
Payload Capacity: _	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:		LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Final '	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity						
			Bucl	ket Size Class: N	Α	
Rated Capacity:	16.000	LCY (heaped)	Buci	xet bize class.		_
Bucket Fill Factor:	1.100	Other - rock/dirt	mixtures (100	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY	imatures (100	120/0) 1.100		_
rajusted Eupacity.	17.000	Ec i				
Job Condition Corrections:			e Altitude (ft.): 9	9500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB	3)		
Net Correction:	0.830	0.813				
Excavators and Front Shovel Machine Cycle Time vs Selected Value w	. Job Condition					
Track Loaders – I	Material Descri	iption:				
Cycle Time Elements (min.):						
Load: NA	M	Ianeuver: NA		Dump: 0.100)	
Wheel and Track Loaders -	Unadjusted Ba	sic Loader Cycle Tin	ne (load, dump, r	maneuver):0	.625 minu	utes
Cycle Time Factors				Factor (min.)	Source	<u> </u>
Material:	Mixed materi			0.020	(Cat HB)	_
Stockpile:		nt - factor not applicat		0.000	(Cat HB)	_
Truck Ownership:		nership of trucks and	loaders -0.04	-0.040	(Cat HB)	<u> </u>
Operation:	Constant oper			-0.040	(Cat HB)	_
Dump Target:	Nominal targe			0.000	(Cat HB)	_
		Net Cycle Tim	-	-0.060	minutes	
		Adjusted Loade Net Load Ti	r Cycle Time: _ me per Truck:	0.565 1.795	_ minutes minutes	
Truck Cycle Time:			_		_	
Truck Exchange Time:	0.80	Minutes	Adiusted	for site altitude:	0.800	Minute
Truck Load Time:	-	Minutes		for site altitude:	1.832	– Minute
ck Maneuver and Dump Time:		Minutes	3	for site altitude:	1.200	Minute
and Dump 111110.		_	110,0000		1.200	-

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2000.00	8.50	3.00	11.50	675	3.006

Haul Time: **3.006** minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min) 2000.00 -8.50 3.00 -5.50 3450 0.623

Return Time: 0.623 minutes
Total Truck Cycle Time: 7.461 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

_____566.17 LCY/Hour Adjusted for job efficiency: ____469.92 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,409.77 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 42.24
 Hours

 Unit cost:
 \$1.888
 /LCY
 Total job cost:
 \$106,210

TRUCK/LOADER TEAM WORK

Task description:	SGOSA	Mine Area - To	psoil - Lift 5 - Tr	ansport		
Site: Cresson Project	;	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	NTIFICATION	•				
Task #: A010		State: Colora	ado	Ab	breviation: No	
Date: <u>6/29/2</u> User: ERR	2025	County: Teller			Filename: A0	108
	u anachisation nor	ne: DRMS				
Agency of	r organization nar	ne. DRMS				
HOURLY EQUI	PMENT COST	<u>T</u>		Shift bas	is: 1 per day	
	r1 I 1 T		Equipment Descri	ption		
	Fruck Loader Tea		777F Г 992K			
Supr	ort Equipment -L		D10T - 10SU			
		ımp Area: NA				
Road M	Iaintenance –Mot		Т 16М			
	-Wa	ter Truck: Wa	ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team	Support 1	Equipment	Maintenan	ce Equipment
Cost Bicardown.	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	2	1	1	0	1	1
Group Subtotals:	Work:	\$1,292.21	Support:	\$492.91	Maint:	\$352.41
Total work team co	st/hour: \$2,137.	53				
MATERIAL OF						
MATERIAL QU	ANTITIES					
Initial volume		CCY		factor: 1.215		
Loose volume	58,27	6 LCY				
Sc	ource of estimated		CC&V Provided	Estimate		
Source	e of estimated swe		Handbook			
	Material Purch	ase Cost: \$0.00 otal Cost: \$0.00				
	10	otai Cost: <u>\$0.00</u>)			
HOURLY PRO	DUCTION					
Truck Capacity:						
Truck Payload (wei	ight) Basis:					
Material v	weight: 1,600		Pounds/LCY	•		
	ription: Top So					
Rated Pa	ayload:200,00	U	Pounds			

Truck/Loader Worksheet Con	ıt'd	Task # A0108			Page 2 of 3	1
Payload Capacity: _	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:		LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Final '	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity						
			Buck	ket Size Class: N	Α	
Rated Capacity:	16.000	LCY (heaped)	2401			_
Bucket Fill Factor:	1.100	Other - rock/dirt	mixtures (100-	-120%) 1.100		=
Adjusted Capacity:	17.600	LCY	imatures (100	12070) 1.100		_
Job Condition Corrections:	_	Sit	e Altitude (ft.): 9	9 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB			
Net Correction:	0.830	0.813				
Loading Tool Cycle Time: Excavators and Front Shovel		of Loading Tool Pas	ses Required to I	Fill Truck:	4 1	passes
Machine Cycle Time vs Selected Value w						
Track Loaders – I						
Cycle Time Elements (min.):						
Load: NA	M	aneuver: NA		Dump: 0.100	<u> </u>	
Wheel and Track Loaders -	Unadjusted Ba	sic Loader Cycle Tim	ne (load, dump, n	naneuver):0	.625 min	nutes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materia	al 0.02		0.020	(Cat HB)	_
Stockpile:	No adjustmen	t - factor not applicat	ole 0.00	0.000	(Cat HB)	
Truck Ownership:	Common own	ership of trucks and	loaders -0.04	-0.040	(Cat HB)	
Operation:	Constant oper			-0.040	(Cat HB)	
Dump Target:	Nominal targe			0.000	(Cat HB)	
		Net Cycle Tim	_	-0.060	minutes	
		Adjusted Loade		0.565	minutes	
		Net Load Ti	me per Truck: _	1.795	minutes	
Truck Cycle Time:						
Truck Exchange Time:	0.80	Minutes	Adjusted	for site altitude:	0.800	Minutes
Truck Load Time:		Minutes	ū	for site altitude:	1.832	Minutes
ck Maneuver and Dump Time:	1.20	Minutes	Adjusted	for site altitude:	1.200	Minutes

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	750.00	9.30	3.00	12.30	675	1.169

Haul Time: 1.169 minutes

Task # A0108

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	750.00	-9.30	3.00	-6.30	3450	0.272

Return Time: 0.272 minutes
Total Truck Cycle Time: 5.273 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour

Truck Unit Production

801.12 LCY/Hour Adjusted for job efficiency: 664.93 LCY/Hour

Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 1,329.86 LCY/Hour Adjusted single truck/loader team production: 1,329.86 LCY/Hour Adjusted multiple truck/loader team production: 1,329.86 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 43.82 Hours

Unit cost: \$1.607 /LCY Total job cost: \$93,670

BULLDOZER WORK

Task description:	SGUSA Mine A	rea - 1 opson	- Litti - 5 - Dozer Spre	ading	
Cresson Project	Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENTI	FICATION				
Task #: A0109	State:	Colorado		Abbreviation:	None
Date: <u>6/29/2025</u>	5 County:	Teller		Filename:	A0109
User: ERR					
Agency or org	ganization name:DF	RMS			
HOURLY EQUIPM	IENT COST				
Basic Machine: C	at D7R DS Series II L	GP			
	40	-			
· -	traight	-			
	IA				
	per day	-			
	CRG)				
· 	,				
Cost Breakdown:			Hilimatian 0/		
Ournarchin Cast/II		\$90.24	<u>Utilization %</u>		
Ownership Cost/Hour Operating Cost/Hour		\$90.24 \$78.95	NA 100		
		\$78.95			
Ripper own. Cost/Hour Ripper op. Cost/Hour		\$0.00	NA 25		
					
Operator Cost/Hour	:	\$38.59	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$207.78 \$207.78				
MATERIAL QUAN	<u>ITITIES</u>				
Initial Volume: 15	1,637				
	215				
	4,239 LCY				
Source of estimated vol		&V Provided	l Estimate		
Source of estimated sw	ell factor: Cat Hand	lbook			
HOURLY PRODUC	CTION				
Avarage much distance	210 f4				
Average push distance:		/hr			
Unadjusted hourly prod	luction: 277.8 LCY	111			
Materials consistency d	escription: Loose	stockpile 1.2			
Average push gradient:	-10 %				
Average push gradient: Average site altitude:	9,500 feet				
Average site attitude:	9,500 feet				
Material weight:	1,600 lbs/LCY			<u> </u>	
Weight description:	Top Soil				
Job Condition Correction	on Factor		Source		
Operato		.750	(AVG.)		
Material consi					
Material const	stency: 1	.200	(CAT HB)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.0527

Adjusted unit production: 292.44 LCY/hr
Adjusted fleet production: 292.44 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.710/LCY

Total job time: 630.01 Hours
Total job cost: \$130,900

BULLDOZER RIPPING WORK

Task description:	SGOSA Mine Area - Topso	oil - Lift 1 - 5 - Rip	ping	
Site: Cresson Project	Permit Action:	2025 Update M1980244	Permit/.	Job#: <u>M1980244</u>
PROJECT IDENT	CIFICATION			
Task #: A0110 Date: 6/29/20 User: ERR	State: Colorado County: Teller)	Abbreviati Filena	
Agency or o	rganization name: DRMS			
HOURLY EQUIP	MENT COST			
Basic Mac	hine: Cat D7R DS Series II LGP		Horsepower:	240
Ripper Attachr	nent: 3-Shank Ripper		Shift Basis:	1 per day
			Data Source:	(CRG)
Cost Breakdown:			Utilization %	
O	wnership Cost/Hour:	\$90.24	NA	
	Operating Cost/Hour:	Φ 7 0.05	100	
	wnership Cost/Hour:		NA	
	Operating Cost/Hour:Operator Cost/Hour:	\$5.20 \$38.59	100 NA	
	otal Unit Cost/Hour:	\$222.23	NA	
		<u> </u>		
То	otal Fleet Cost/Hour: \$2	22.23		
MATERIAL QUA	NTITIES Se	elected estimating n	nethod: Area	
Alternate Methods:				
mic: NA	Bank Volume:	NA	BCY	NA
Area: 172.22	acres Rip Depth (ft):	2.50	Volume: 694,62	BCY or
HOURLY PRODU	Seismic Velocity:	NA	feet/second	
	Seisiffic velocity.	IVA	reet/second	
Area:	Average Ripping Depth:	2.45	feet/pass	
	Average Ripping Width:	6.50	feet/pass	
	Average Ripping Length:	245.00	feet/pass	
	Average Dozer Speed:	88.00	feet/minute	
	Average Maneuver Time: Production per unit area:	0.25 0.723	minutes/pass acres/hour	
Job Condition Correc	-	0.723	acres/flour	
		0.722		
Unadju	sted Hourly Unit Production:	0.723	Acres/hr	
	Site Altitude:	9,500	feet	
	Altitude Adj: Job Efficiency:	1.00 0.83	(CAT HB) (1 shift/day)	
	Net Correction:	0.83	multiplier	
	Adjusted Hourly Unit Production Adjusted Hourly Fleet Production		Acres/hr Acres/hr	
JOB TIME AND O	COST			
Fleet size:	1 Grader(s)	Total job time:	287.01	Hours
Unit cost: \$	370.348 Per acre	Total job cost:	\$63,781	

BULLDOZER WORK

	Perr	nit Action:	2025 Update		
Cresson Project			M1980244	Permit/Job#:	M1980244
PROJECT IDENTIFICA	TION _				
Task #: A0200	State:	Colorado		Abbreviation:	None
Date: 6/29/2025	County:	Teller		Filename:	A0200
User: ERR	_				
Agency or organizat	ion name: DR	MS			
HOURLY EQUIPMENT	COST				
Basic Machine: Cat D10	T - 10SU				
Horsepower: 574	71 1050				
Blade Type: Semi-U	niversal				
Attachment: NA	mversar				
Shift Basis: 1 per da	V				
Data Source: (CRG)	ıy		<u>—</u>		
			<u> </u>		
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/Hour:		\$257.39	NA		
Operating Cost/Hour:		\$196.93	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUANTITI Initial Volume: 27,350	<u> </u>				
Swell factor: $\frac{27,930}{1.000}$		_			
Loose volume: 27,350 L	CY	_			
		_			
Source of estimated volume:		V Provided	l Estimate		
Source of estimated swell fact	or: Cat Hand	ook			
HOURLY PRODUCTIO	<u>N</u>				
Average push distance:	50 feet				
Unadjusted hourly production		//hr			
J Frankling					
Materials consistency descript	tion: Rock, p	oorly ripped	l or blasted 0.6		
Average push gradient: -1	0 %				
	500 feet				
	001001				
Material weight: 2,3	800 lbs/LCY				
Weight description: Gr	ranite - Broken				
Job Condition Correction Fac	tor_		Source		
Operator Skill	: 0.	750	(AVG.)		
Material consistency		500	(CAT HB)		
Dozing method		200	(S-RV-S)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3606

Adjusted unit production: 991.18 LCY/hr
Adjusted fleet production: 1982.36 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.497/LCY

Total job time: 13.80 Hours
Total job cost: \$13,601

BULLDOZER WORK

Task description:	1. Cresson Mille	Arta - File	Leveling - Fine Gradin	8	
Cresson Project	Peri	mit Action:	2025 Update M1980244	Permit/Job#: _	M1980244
PROJECT IDENTIFICA	TION				
Task #: A0201 Date: 6/29/2025 User: ERR	State: County:	Colorado Teller		_	None A0201
		MC			
Agency or organiza	non name. Dr	MS			
HOURLY EQUIPMENT	COST				
	R DS Series II Lo	GP	<u> </u>		
Horsepower: 240			<u></u>		
Blade Type: Straigh	t		<u></u>		
Attachment: NA			<u>—</u>		
Shift Basis: 1 per da	ay				
Data Source: (CRG)					
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:		\$90.24	NA		
Operating Cost/Hour:		\$78.95	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUANTITI Initial Volume: 3,039	<u>IES</u>				
Swell factor: $\frac{3,039}{1.000}$					
Loose volume: 3,039 LO	CY	_			
		— 2 V D	1 E - 4 4 -		
Source of estimated volume: Source of estimated swell fac		&V Provided book	1 Estimate		
HOURLY PRODUCTIO	N				
Average push distance:	50 feet				
Unadjusted hourly production		hr			
Materials consistency descrip	tion: Rock, p	oorly ripped	or blasted 0.6		
Average push gradient: -1	0 %				
	500 feet	<u> </u>			
Material weight: 2,	800 lbs/LCY			<u> </u>	
Weight description: G	ranite - Broken				
Job Condition Correction Fac			Source		
Operator Skil		750	(AVG.)		
Material consistency		600	(CAT HB)		
Dozing method	l. 1	በበበ	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3005

Adjusted unit production: 240.40 LCY/hr
Adjusted fleet production: 240.4 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.864/LCY

Total job time: 12.64 Hours
Total job cost: \$2,627

BULLDOZER WORK

		Dom	mit Action:	2025 Update		
Cresson Project		ren	mi Action:	M1980244	Permit/Job#:	M1980244
					_	
PROJECT IDEN	NTIFICATI	<u>ON</u>				
Task #: A020	12	State:	Colorado		Abbreviation:	None
Date: $\frac{76026}{6/29}$		County:	Teller		Filename:	A0202
User: ERR	2023	County.	TCHCI		Thename.	A0202
Agency o	r organization	name: DF	RMS			
HOURLY EQU	PMENT CO	<u>OST</u>				
Basic Machine:	Cat D10T -	10SU				
Horsepower:	574			_		
Blade Type:	Semi-Univ	ersal		_		
Attachment:	NA			_		
Shift Basis:	1 per day			_		
Data Source:	(CRG)					
Cost Brookdown						
Cost Breakdown:				Utilization %		
Ownership Cost/I	Jour.		\$257.39	NA		
Operating Cost/F			\$196.93	100		
Ripper own. Cost/F			\$0.00	NA		
Ripper op. Cost/I			\$0.00	0	<u></u>	
Operator Cost/I			\$38.59			
Operator Cost/1	Ioui.		\$30.39	NA		
Total unit Cost/Hor						
Total Fleet Cost/Ho	our: \$985.	81				
MATERIAL QU	<u>IANTITIES</u>					
Initial Volume:	1,572,058					
Swell factor:	1.000					
Loose volume:		CV				
Loose volume.	1,572,030 L	C 1	_			
Source of estimated	l volume:		&V Provided	l Estimate		
Source of estimated	l swell factor:	Cat Hand	book			
HOURLY PROI	DUCTION					
A 1 1' :		400 C +				
Average push dista		400 feet	ď			
Unadjusted hourly	production:	497.3 LCY/	nr			
Materials consisten	cy description	: Consol	idated stock	pile 1.0		
					_	
Average push grade						
Average site altitud	le: 9,500	feet				
Material weight:	2,800	lbs/LCY			<u> </u>	
Weight description	: Grani	te - Broken				
Job Condition Corr	ection Factor			Source		
	erator Skill:	Λ	750	(AVG.)		
	onsistency:		000	(CAT HB)		
	onsistency		200	(CAT IID)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7855

Adjusted unit production: 390.63 LCY/hr
Adjusted fleet production: 781.26 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$1.262/LCY

Total job time: 2,012.21 Hours
Total job cost: \$1,983,657

BULLDOZER WORK

Task description:			- 250 ft Lift - Fine Grad		
Cresson Project	Perm	nit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENTIFICA	TION				
Task #: A0203	State:	Colorado		Abbreviation:	None
Date: 6/29/2025		Teller		-	A0203
User: ERR	County: _	Teller		Filename:	A0203
User. ERK					
Agency or organiza	tion name: DR	MS			
HOURLY EQUIPMENT	COST				
Basic Machine: Cat D7	R DS Series II LC	iΡ			
Horsepower: 240					
Blade Type: Straigh	t				
Attachment: NA					
Shift Basis: 1 per d	ay		<u> </u>		
Data Source: (CRG)			<u> </u>		
Cost Breakdown:					
COSt DICARGOWII.			Utilization %		
Ownership Cost/Hour:		\$90.24	NA		
Operating Cost/Hour:		\$78.95	100	 ,	
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0	<u></u>	
Operator Cost/Hour:		\$38.59	NA		
T 1 1 G 7 T	205 50				
	207.78				
Total Fleet Cost/Hour: \$2	207.78				
1.5.4 mm D 1.4.5 Q 1.4.3 mm m					
MATERIAL QUANTITI	<u>IES</u>				
Initial Volume: 174,673					
Swell factor: 1.000					
Loose volume: 174,673	LCY	_			
S	2022 CC 8		I Total and a		
Source of estimated volume:		V Provided	Estimate		
Source of estimated swell fac	tor: Cat Handb	000K			
HALIDI V DDADHATIA	N.T.				
HOURLY PRODUCTIO	<u>'IN</u>				
Average push distance:	400 feet				
Unadjusted hourly production		ır			
Materials consistency descrip	otion: Consolid	dated stock	pile 1.0		
	10.04				
	80 %				
Average site altitude: 9.	,500 feet				
Material weight: 2	,800 lbs/LCY			<u> </u>	
Weight description:G	ranite - Broken				
Job Condition Correction Fac	ctor_		Source		
Operator Skil		50	(AVG.)		
Material consistency		000	(CAT HB)		
Dozing method		000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6546

Adjusted unit production: 118.09 LCY/hr
Adjusted fleet production: 118.09 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.759/LCY

Total job time: 1,479.15 Hours
Total job cost: \$307,331

TRUCK/LOADER TEAM WORK

Task description:	N. Cres	son Mine Area - '	Горsoil - Transp	ort		
Site: Cresson Projec	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE Task #: A020 Date: 6/29 User: ERR	04 /2025	State: Colora County: Teller	udo	Ab	breviation: No. Filename: A0:	
Agency o	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: <u>1 per day</u>	
	T 1 T 1 T		Equipment Descri	ption		
	Truck Loader Tea		777F Γ 992K			
Sup	port Equipment -I		D10T - 10SU			
Road N	ם- Maintenance –Mot		Г 16М			
	-Wa	ater Truck: Wat	er Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team Loader	Support l Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	NA \$0.00	NA NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	5	1	1	0	1	1
Group Subtotals:	Work:	\$2,423.66	Support:	\$492.91	Maint:	\$352.41
Total work team co	<u>JANTITIES</u>					
Initial volume Loose volume	e: 54,3 3			factor: 1.215		
	ource of estimated e of estimated swe Material Purch To	ell factor: Cat H		Estimate		
HOURLY PRO	<u>ODUCTION</u>					
Truck Capacity: Truck Payload (we Material	weight: 1,600		Pounds/LCY			
Desc Rated P	eription: Top So Payload: 200,00		Pounds			

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
	70.00	201				
	l Truck Volume	e Based on Number of	of Loader Passes:	70.40	LCY	
Loading Tool Capacity			Buck	tet Size Class: N	A	
Rated Capacity:	16.000	LCY (heaped)			11	
Bucket Fill Factor:	1.100		rt mixtures (100-	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY				
Job Condition Corrections	<u>:</u>	S	ite Altitude (ft.): 9	500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Net Correction: Loading Tool Cycle Time		0.813	asses Required to F	Fill Truck:	4	passes
	. Numbe		asses Required to F	Fill Truck:	4 1	passes
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time	Numbe els: vs. Job Conditio	er of Loading Tool Pa	asses Required to F	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time Selected Value	Numbe els: vs. Job Conditio within this Basi	or of Loading Tool Pa on Rating: NA ic Rating: NA	asses Required to F	Fill Truck:	41	passes
Excavators and Front Show Machine Cycle Time Selected Value Track Loaders	Numbe els: vs. Job Conditio within this Basi Material Descr	or of Loading Tool Pa on Rating: NA ic Rating: NA	asses Required to F	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time Selected Value	Numbeels: vs. Job Condition within this Basion Material Descript:	or of Loading Tool Pa on Rating: NA ic Rating: NA	asses Required to F	Fill Truck:		passes
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA	Number Nu	on Rating: NA ic Rating: NA ription: NA		Dump: 0.100)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Number Nu	on Rating: NA ic Rating: NA ription: NA		Dump: 0.100)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors	Number Nu	or of Loading Tool Pater of Loading Tool Pater on Rating: NA N		Dump: 0.100 naneuver): 0 Factor (min.)) .625 min Source	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material:	Number Nu	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Ti	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020	.625 min Source (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Number Sels: vs. Job Condition within this Basing Material Description: Unadjusted Basing Mixed mater No adjustments	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applica	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000	.625 min Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Number Number No. Job Condition within this Basis Material Description: - Unadjusted Basis Mixed mater No. adjustment Common ow	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applicate the rights of trucks and	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Number Number No adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applications of trucks and ceration -0.04	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Number Number No. Job Condition within this Basis Material Description: - Unadjusted Basis Mixed mater No. adjustment Common ow	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00 Net Cycle Tin	me (load, dump, mable 0.00	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and certation -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, mable 0.00 loaders -0.04 me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and certation -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, mable 0.00 I loaders -0.04 me Adjustment: ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Sels: Ves. Job Condition within this Basis Material Description: - Unadjusted Basis Mixed mater No adjustment Common ow Constant open Nominal target.	on Rating: NA ic Rating: NA ription: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and certation -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, mable 0.00 loaders -0.04 loaders -0.04 ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Number Number No. Job Condition within this Basis Material Description: - Unadjusted Basis Mixed mater No. adjustment Common ow Constant open Nominal targetter (Common Nominal targetter).	on Rating: NA ic Rating: NA ription: NA ri	me (load, dump, mable 0.00 loaders -0.04 loaders -0.04 ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Huui Rou	ic.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	5000.00	8.40	3.00	11.40	724	6.968

Haul Time: 6.968 minutes

Return Route:

Ketuiii Ke	Juic.						
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	5000.00	-8.40	3.00	-5.40	3450	1.494	

Return Time: 1.494 minutes
Total Truck Cycle Time: 12.294 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 343.59 LCY/Hour Adjusted for job efficiency: 285.18 LCY/Hour

Optimal No. of Trucks: _____ 5 ___ Truck(s) Selected Number of Trucks: ____ 5 ___ Truck(s)

Adjusted hourly truck team production: 1,425.91 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____40.79 Hours

Unit cost: \$2.454 /LCY Total job cost: \$133,332

BULLDOZER WORK

Task description:	. Cresson Mine	Area -Tops	soil - Dozer Spreading		
: Cresson Project	Perr	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENTIFICA	TION				
Task #: A0205 Date: 6/29/2025 User: ERR	State: County:	Colorado Teller		Abbreviation: Filename:	None A0205
Agency or organizat	ion name: DR	MS			
HOURLY EQUIPMENT					
		TD.			
Basic Machine: Cat D7I Horsepower: 240	R DS Series II LO	JP	_		
Blade Type: Straight	-		<u>—</u>		
Attachment: NA	•		<u> </u>		
Shift Basis: 1 per da	177		<u> </u>		
Data Source: (CRG)	ıy		<u>—</u>		
Data Source. (CRG)			_		
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/Hour:		\$90.24	NA		
Operating Cost/Hour:		\$78.95	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	25		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUANTITI Initial Volume: 44,722	<u>ES</u>				
Swell factor: $\frac{447722}{1.215}$		_			
Loose volume: 54,337 L	CY	_			
		_			
Source of estimated volume: Source of estimated swell fact		&V Provided book	I Estimate		
HOURLY PRODUCTIO	<u>N</u>				
Average push distance:	50 feet				
Unadjusted hourly production		hr			
Materials consistency descrip	tion: Loose s	tockpile 1.2			
	0 % 500 feet	<u></u>			
Material weight: 1,	600 lbs/LCY			<u> </u>	
Weight description: To	op Soil				
Job Condition Correction Fac Operator Skill		750	Source (AVG.)		
Material consistency		200	(CAT HB)		
Dozing method		200 000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.0527

Adjusted unit production: 842.16 LCY/hr
Adjusted fleet production: 842.16 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.247/LCY

Total job time: 64.52 Hours
Total job cost: \$13,406

BULLDOZER RIPPING WORK

	Task description:	N. Cresson Mi	ne Area - Top	soil - Ripping			
Site:	: Cresson Project	P	ermit Action:	2025 Update M1980244	Per	rmit/Job#:N	M1980244
	PROJECT IDENT	<u>IFICATION</u>					
	Task #: A0206 Date: 6/29/202 User: ERR	State County					one .0206
	Agency or or	ganization name:l	DRMS				
	HOURLY EQUIPM	MENT COST					
	Basic Mach	ine: Cat D7R DS S	Series II LGP		Horsepower:	240)
	Ripper Attachm	ent: 3-Shank Ripp	er	<u> </u>	Shift Basis:	1 per o	
					Data Source:	(CRO	G)
	Cost Breakdown:			1	TI.'1' .' 0/		
	Ov	vnership Cost/Hour:		\$90.24	Utilization % NA		
				\$78.95	100		
				\$9.25	NA		
		perating Cost/Hour:		\$5.20	100		
		Operator Cost/Hour: tal Unit Cost/Hour:		\$38.59 \$222.23	NA		
				<u> </u>			
	Tot	tal Fleet Cost/Hour:	\$222	2.23			
	MATERIAL QUAN	<u>NTITIES</u>	Sele	ected estimating	g method: Area		
	Alternate Methods:						
smic:	NA	В	ank Volume:	NA	BCY	NA	1
Area:	55.44	acres Ri	p Depth (ft):	2.50	Volume: 22	23,608	BCY or
	HOURLY PRODU Seismic:	CTION Seismic Ve	elocity:	NA	feet/seco	nd	
	A	Beisine ve		1171		iid	
	Area:	Average Ripping	Depth:	2.45	feet/pass		
		Average Ripping		6.50	feet/pass		
		Average Ripping I		300.00	feet/pass		
		Average Dozer Average Maneuver		88.00 0.25	feet/minu		
		Production per un		0.23	minutes/j acres/hot	•	
	Job Condition Correcti	-					
		ted Hourly Unit Prod	uction	0.734	Acres/hr		
	Onadjus	·					
			ltitude: de Adj:	9,500 1.00	feet (CAT HI	3)	
		Job Effic		0.83	(1 shift/d		
		Net Corr		0.83	multiplie	•	
		Adjusted Hourly Ur Adjusted Hourly Fle		0.61 0.61	Acres/hr Acres/hr		
	JOB TIME AND C	<u>OST</u>					
	Fleet size:	1 Grader(s	s)	Total job tim	ne: 91	1.00	Hours

TRUCK/LOADER TEAM WORK

Task description:	N. Cress	son Mine Area -	Topsoil - Lift 1 -	Transport		
Site: Cresson Project		Permit Action	2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	TIFICATION					
Task #: <u>A020</u>		State: Colora	ado	Ab	breviation: No	
Date: 6/29/2	2025	County: <u>Teller</u>			Filename: A0	207
User: ERR	•	. DDMG				
Agency or	organization nar	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>r</u>		Shift bas	is: 1 per day	
т	ruck Loader Tea		Equipment Descri 777F	ption		
1	Tuck Loader Tea		Γ992K			
Supp	ort Equipment -L		D10T - 10SU			
		ımp Area: NA				
Road M	aintenance –Mot		Γ 16M ter Tanker, 7,000	Gol		
	- vv a	ter fruck. Wa	ter Taliker, 7,000	Gai.		
Cost Breakdown:	Truck/Loa	ader Team	Support 1	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
6Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Sipper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team cos	st/hour: \$2,514.	68				
MATERIAL QU	ANTITIES					
<u> </u>		COV	C 11	6 . 1017		
Initial volume: Loose volume:		CCY LCY		factor: 1.215		
	urce of estimated of estimated swe		CC&V Provided Iandbook	Estimate		
Source	Material Purch					
		otal Cost: \$0.00				
HOUDI V PDO	DUCTION					
HOURLY PRO	DUCTION					
Truck Capacity: Truck Payload (weight)	oht) Rasis:					
Material w			Pounds/LCY	-		
	iption: Top So	il				
Rated Pa			Pounds			

					_	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Fina	Truck Volume	Based on Number of l	Loader Passes:	70.40	LCY	
Loading Tool Capacity			D1	or Gira Channa N	T.A.	
Data I Consult	16,000	LCW (barred)	Виск	tet Size Class: N	A	_
Rated Capacity: Bucket Fill Factor:	16.000 1.100	LCY (heaped) Other - rock/dirt	mintumas (100	1200/) 1 100		_
Adjusted Capacity:	1.100 17.600	LCY	mixtures (100-	-120%) 1.100		_
Aujusted Capacity.	17.000	LCI				
Job Condition Corrections	<u>:</u>	Site	Altitude (ft.): 9	<u>9500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Net Correction.	0.030	0.013				
Loading Tool Cycle Time:	1	r of Loading Tool Pass	es Required to I	Fill Truck:	4	passes
	Number		es Required to I	Fill Truck:	4 1	passes
Loading Tool Cycle Times Excavators and Front Shove Machine Cycle Times	Numbei	r of Loading Tool Pass n Rating: <u>NA</u>	es Required to I	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time Selected Value	Number vs. Job Condition within this Basi	r of Loading Tool Pass n Rating: NA c Rating: NA	es Required to I	Fill Truck:	4	passes
Loading Tool Cycle Times Excavators and Front Shove Machine Cycle Times	Number S. Job Condition Within this Basic Material Description	r of Loading Tool Pass n Rating: NA c Rating: NA	es Required to I	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders -	Numbernels: Test of Condition within this Basin Material Description.	r of Loading Tool Pass n Rating: NA c Rating: NA	es Required to I	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.)	Number S. Job Condition Within this Basic Material Description M	n Rating: NA		Dump: 0.100		
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA	Number S. Job Condition Within this Basic Material Description M	n Rating: NA		Dump: 0.100)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Number S. Job Condition Within this Basic Material Description Muster Material Material Mixed material	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Number Sels: Test Job Condition Within this Basic Material Descript Muster Material Mixed material No adjustmen	n Rating: NA c Rating: NA iption: NA Isic Loader Cycle Time Ial 0.02 nt - factor not applicab	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000	.625 min Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Sels: Sels: Sels: Sels: Sels: Sels: Material Description: Mixed material Mixed material No adjustmer Common own	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicab nership of trucks and le	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: S	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable hership of trucks and learation -0.04	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Sels: Sels: Sels: Sels: Sels: Sels: Material Description: Mixed material Mixed material No adjustmer Common own	n Rating: NA c Rating: NA iption: NA laneuver: NA laneuve	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: S	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Ial 0.02 Int - factor not applicable Inership of trucks and legation -0.04 et 0.00 Net Cycle Time	e (load, dump, n e 0.00 paders -0.04 Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: S	n Rating: NA c Rating: NA iption: NA laneuver: NA laneuve	e (load, dump, n e 0.00 oaders -0.04 Adjustment: Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: S	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time al 0.02 nt - factor not applicab nership of trucks and le ration -0.04 et 0.00 Net Cycle Time Adjusted Loader	e (load, dump, n e 0.00 oaders -0.04 Adjustment: Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number of the Nu	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time al 0.02 nt - factor not applicab nership of trucks and le ration -0.04 et 0.00 Net Cycle Time Adjusted Loader	e (load, dump, n e 0.00 oaders -0.04 Adjustment: Cycle Time: ne per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes — — —
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Sels: Test Job Condition within this Basis Material Description: - Unadjusted Basis Mixed material No adjustmer Common own Constant open Nominal targets: - Unadjusted Basis Mixed material No adjustmer Common own Constant open Nominal targets: - Unadjusted Basis Mixed material No adjustmer Common own Constant open Nominal targets: - Unadjusted Basis Mixed Mixed Mixed Material No adjustmer Common own Constant open Nominal targets: - Unadjusted Basis Mixed Mix	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Ial 0.02 nt - factor not applicabnership of trucks and leration -0.04 et 0.00 Net Cycle Time Adjusted Loader Net Load Time	e (load, dump, ne 0.00 paders -0.04 Adjustment: _Cycle Time: _ne per Truck: _	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time:	Number Number Sels: Test Job Condition within this Basic Material Description: Mixed material No adjustment Common own Constant open Nominal target 1.795	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and leration -0.04 et 0.00 Net Cycle Time Adjusted Loader Net Load Time Minutes	e (load, dump, no e 0.00 paders -0.04 Adjustment: Cycle Time: Ine per Truck: Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

	Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
ſ	1	4897.00	-6.10	3.00	-3.10	3450	1.494

Haul Time: **1.494** minutes Return Route: Roll. Res Total Res Travel Haul Distance Grade (%) Velocity Seg# Time (Ft) (%) (%) (fpm) (min) 9.10 4897.00 6.10 3.00 2134 2.515

Return Time: 2.515 minutes
Total Truck Cycle Time: 7.841 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 538.73 LCY/Hour Adjusted for job efficiency: 447.15 LCY/Hour

Optimal No. of Trucks: _____3 ___ Truck(s) Selected Number of Trucks: ____3 ___ Truck(s)

Adjusted hourly truck team production: 1,341.44 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 3.43
 Hours

 Unit cost:
 \$1.888
 /LCY
 Total job cost:
 \$8,621

TRUCK/LOADER TEAM WORK

Task description:	N. Cres	son Mine Area - '	Topsoil - Lift 2 -	Transport		
Site: Cresson Project	t	Permit Action	2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE	NTIFICATION					
Task #: A020		State: Colora	ıdo	Ab	breviation: No:	ne
		County: Teller			Filename: A0	208
User: ERR	r organization nar	ne: DRMS				
Agency 0	i organization nai	iic. DRWB				
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day	
	Truck Loader Tea		Equipment Descri 777F	ption		
		-Loader: CAT	Г 992К			
Sup	port Equipment -I D-	Load Area: Cat ump Area: NA	D10T - 10SU			
Road N	Maintenance –Mot	or Grader: CAT	Г 16М			
	-Wa	ter Truck: Wat	er Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Loa	ader Team	Support l	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44 NA	\$230.31 0	\$196.93 NA	NA NA	\$29.91 NA	\$20.80 NA
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	4	1	1	0	1	1
Group Subtotals:	Work:	\$2,046.51	Support:	\$492.91	Maint:	\$352.41
Total work team co	ost/hour: \$2,891.	83				
MATERIAL QU	JANTITIES					
Initial volume	e: <u>13,915</u>	CCY	Swell	factor: 1.215		
Loose volume	e: 16,9 0	7 LCY				
	ource of estimated		CC&V Provided	Estimate		
Source	e of estimated swe Material Purch		Handbook)			
		otal Cost: \$0.00				
HOURLY PRO	DUCTION					
Truck Capacity:						
Truck Payload (we	ight) Basis:					
Material	weight: 1,600		Pounds/LCY			
Desc Rated P	ription: Top So Payload: 200,00		Pounds			

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:		LCY				
Adjusted Volume: _	78.80	LCY				
Fina	l Truck Volume	Based on Number of Lo	oader Passes:	70.40	LCY	
Loading Tool Capacity						
Rated Capacity:	16.000	LCY (heaped)	Buck	tet Size Class: _	NA	_
Bucket Fill Factor:	1.100	Other - rock/dirt m	ixtures (100-	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY	(2 2			
Job Condition Corrections		Sito	Altitude (ft.): 9)500 foot		
Job Condition Corrections	_			<u> </u>		
A 1.1. 1 A 11	Truck	Loader	Source			
Altitude Adj:	1.000 0.830	0.980 0.830	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Excavators and Front Shove	<u>els:</u>					
Machine Cycle Time v Selected Value	vs. Job Conditio within this Basi	c Rating: NA				
Machine Cycle Time v Selected Value Track Loaders –	vs. Job Conditio within this Basi Material Descr	c Rating: NA				
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	vs. Job Conditio within this Basi Material Descr	ic Rating: NA		Dump: 0.1	100	
Machine Cycle Time v Selected Value Track Loaders –	vs. Job Conditio within this Basi Material Descr	c Rating: NA		Dump: 0.1	100	
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	vs. Job Conditio within this Basi Material Descr :	ic Rating: NA ription: Maneuver: NA	——(load, dump, n	·	0.625	nutes
Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	vs. Job Conditio within this Basi Material Descr :	ic Rating: NA ription: Maneuver: NA	(load, dump, n	·		nutes
Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	vs. Job Conditio within this Basi Material Descr : M - Unadjusted Ba Mixed mater	Ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Time ial 0.02		naneuver): Factor (min.) 0.020	0.625 mir	nutes
Machine Cycle Time vin Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	ys. Job Conditio within this Basi Material Descr : M - Unadjusted Ba Mixed materi No adjustmen	Ic Rating: NA ription: NA Maneuver: NA Pasic Loader Cycle Time Ital 0.02 Int - factor not applicable	0.00	naneuver): Factor (min.) 0.020 0.000	0.625 mir	nutes
Machine Cycle Time v Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	within this Basi Material Descr : M Unadjusted Basi Mixed materi No adjustment Common own	Ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicable nership of trucks and loader	0.00	Factor (min.) 0.020 0.000 -0.040	0.625 mir	nutes
Machine Cycle Time viselected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	ys. Job Conditio within this Basi Material Descr :	Ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicable nership of trucks and loader action -0.04	0.00	Factor (min.) 0.020 0.000 -0.040 -0.040	0.625 mir	nutes
Machine Cycle Time v Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	within this Basi Material Descr : M Unadjusted Basi Mixed materi No adjustment Common own	Ic Rating: NA Iniption: NA Maneuver: NA Iniption: NA Inipation: NA Inipition: NA Inipition	0.00 aders -0.04	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.625 mir	nutes
Machine Cycle Time viselected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	ys. Job Conditio within this Basi Material Descr :	Ic Rating: NA Iniption: NA Iniption: NA Iniption: NA Inipation: NA Inipition: NA Inipition	e 0.00 aders -0.04 Adjustment:	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.625 mir	nutes
Machine Cycle Time vin Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	ys. Job Conditio within this Basi Material Descr :	Ic Rating: NA Iniption: NA Maneuver: NA Iniption: NA Inipation: NA Inipition: NA Inipition	2 0.00 aders -0.04 Adjustment:	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.625 mir	nutes
Machine Cycle Time viselected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	ys. Job Conditio within this Basi Material Descr :	Ic Rating: NA Iniption: NA Maneuver: NA Masic Loader Cycle Time Adjusted Loader Cycle Time Adjusted Loader Cycle Time Adjusted Loader Cycle Time Adjusted Loader Cycle Time Masic Rating: NA Masic Rating:	2 0.00 aders -0.04 Adjustment:	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	O.625 mir Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	nutes
Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	within this Basis Material Describing: Material Describing: Mused Material Mixed material No adjustment Common own Constant open Nominal targ	Ic Rating: NA Iniption: NA Maneuver: NA Masic Loader Cycle Time Adjusted Loader Cycle Time Adjusted Loader Cycle Time Adjusted Loader Cycle Time Adjusted Loader Cycle Time Masic Rating: NA Masic Rating:	Adjustment: Cycle Time: e per Truck:	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	O.625 mir Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	nutes
Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	within this Basis Material Describing: Material Describing: Mused material No adjustment Common own Constant open Nominal target: E: 0.80	fic Rating: NA Pription: NA Maneuver: NA Pasic Loader Cycle Time Adjusted Loader Cycle Time Net Load Time	Adjustment: Cycle Time: e per Truck: Adjusted	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	O.625 mir Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	
Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time: Truck Exchange Time	Mixed material No adjustment Common own Constant open Nominal targ	Ic Rating: NA Iniption: Maneuver: NA Inipition: Maneuver: NA Maneuver	Adjusted Adjusted Adjusted	Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	O.625 mir Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.800	Minute

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4250.00	8.70	3.00	11.70	675	6.342

Return Route:
Seg # Haul Distance Grade (%) Roll. Res Total Res Velocity Travel

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4250.00	-8.70	3.00	-5.70	3450	1.270

Return Time: 1.270 minutes
Total Truck Cycle Time: 11.444 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour

Truck Unit Production

369.11 LCY/Hour Adjusted for job efficiency: 306.36 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 1,225.46 LCY/Hour Adjusted single truck/loader team production: 1,225.46 LCY/Hour Adjusted multiple truck/loader team production: 1,225.46 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 13.80 Hours

Unit cost: \$2.360 /LCY Total job cost: \$39,896

TRUCK/LOADER TEAM WORK

Task description:	N. Cres	son Mine Area - '	Topsoil - Lift 3 -	Transport		
Site: Cresson Project	t	Permit Action	2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE	NTIFICATION					
Task #: A020		State: Colora	ıdo	Ab	breviation: No:	ne
Date: 6/29/		County: Teller			Filename: A0	209
User: ERR		mat DDMC				
Agency 0	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day	
-	Truck Loader Tea		Equipment Descri 777F	ption		
	Truck Loader Tea	-Loader: CAT	Г 992К			
Supp	port Equipment -I	Load Area: Cat ump Area: NA	D10T - 10SU			
Road M	1aintenance –Mot	or Grader: CA	Г 16М			
	-Wa	ater Truck: Wat	er Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team	Support l	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
% Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour: %Utilization-riper:	\$152.44 NA	\$230.31 0	\$196.93 NA	NA NA	\$29.91 NA	\$20.80 NA
Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	4	1	1	0	1	1
Group Subtotals:	Work:	\$2,046.51	Support:	\$492.91	Maint:	\$352.41
Total work team co	ost/hour: \$2,891.	83				
MATERIAL QU	JANTITIES					
Initial volume	e: <u>27,467</u>	CCY	Swell	factor: 1.215		
Loose volume	e: 33,37	LCY				
	ource of estimated		CC&V Provided	Estimate		
Source	e of estimated swe Material Purch		Handbook			
		otal Cost: \$0.00				
HOUDI V PPA	DUCTION					
HOURLY PRO	<u>DDUCTION</u>					
<u>Truck Capacity:</u> Truck Payload (we	ight) Rosis:					
Material			Pounds/LCY			
Desc	ription: Top So					
Rated P	ayload: 200,00	0	Pounds			

Payload Capacity							
	y: 12	5.00	LCY				
Truck Bed (volume) Bas	is:						
Struck Volume:	- 6	50.60	LCY				
Heaped Volume:	7	78.80	LCY				
Average Volume:			LCY				
Adjusted Volume:	7	78.80	LCY				
F	inal Tru	ıck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity					a. a		
			1	Buck	tet Size Class: N	VA.	_
Rated Capacity		16.000	LCY (heaped)	(100	1200() 1 100		_
Bucket Fill Factor		1.100 17.600	Other - rock/dirt LCY	mixtures (100-	-120%) 1.100		=
Adjusted Capacity	/·	17.000					
Job Condition Correcti	ons:		Sit	e Altitude (ft.): 9	<u>9500</u> feet		
	T	ruck	Loader	Source			
Altitude Adj:		.000	0.980	(CAT HB			
Job Efficiency:	0	.830	0.830	(CAT HB			
Net Correction:	0	.830	0.813				
Loading Tool Cycle Tin	<u>me:</u>	Number	r of Loading Tool Pas	ses Required to I	∺ill Truck•	4 r	200000
Excavators and Front Sh	ovels:			ses required to I		<u>}</u>	passes
Excavators and Front Sh Machine Cycle Tin Selected Va	ne vs. Jo	ob Condition	n Rating: <u>NA</u>	ses required to I			passes
Machine Cycle Tin Selected Va	ne vs. Jo lue with	ob Conditionain this Basic	n Rating: NA NA NA NA	ses required to I		,	passes
Machine Cycle Tin	ne vs. Jo lue with rs – Ma	ob Conditionain this Basic	n Rating: NA NA NA NA	ses required to I		, , , , , , , , , , , , , , , , , , ,	Jasses
Machine Cycle Tin Selected Va Track Loade	ne vs. Jo lue with rs – Ma	ob Condition in this Basic terial Descri	n Rating: NA NA NA NA	ses required to i	Dump: 0.100		Jasses
Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m	ne vs. Jo lue with rs – Ma in.):	ob Condition nin this Basi- terial Descri M	n Rating: NA		Dump: 0.100		
Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA	ne vs. Jo lue with rs – Ma in.): ers - Un	ob Condition nin this Basi- terial Descri M	n Rating: NA		Dump: 0.100	0	
Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: <u>NA</u> Wheel and Track Load	ne vs. Jo lue with rs – Ma in.): ers - Un	ob Condition nin this Basi- terial Descri M	n Rating: NA c Rating: NA iption: NA Ianeuver: NA sic Loader Cycle Tim		Dump: 0.100	0 0.625 min	
Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Load Cycle Time Facto Materi Stockpi	ne vs. Jo lue with rs – Ma in.): ers - Un ors al: M le: N	ob Conditional this Basic terial Descri Madjusted Basic Tixed materical adjustmen	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicab	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000	0.625 minus Source (Cat HB) (Cat HB)	
Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi	ne vs. Jolue with rs – Main.): ers - Unors lei: Mile: Nip: C	ob Conditional this Basic terial Description Manadjusted Basic Iixed material of adjustmenton own	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 at - factor not applicable applicable and increase an	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	0.625 minus (Cat HB) (Cat HB) (Cat HB)	
Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi Truck Ownershi	ne vs. Jolue with rs – Main.): ers - Unors le: Male: Nip: Con: C	ob Conditional this Basic terial Description Manadjusted Basic So adjustment of adjustment ommon own onstant open	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicate the ration -0.04	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	0.625 minus Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi	ne vs. Jolue with rs – Main.): ers - Unors le: Male: Nip: Con: C	ob Conditional this Basic terial Description Manadjusted Basic Iixed material of adjustmenton own	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicate nership of trucks and I ration -0.04 et 0.00	ole 0.00	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.625 minus Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi Truck Ownershi	ne vs. Jolue with rs – Main.): ers - Unors le: Male: Nip: Con: C	ob Conditional this Basic terial Description Manadjusted Basic So adjustment of adjustment ommon own onstant open	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicate nership of trucks and I ration -0.04 et 0.00 Net Cycle Time	ole 0.00 loaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi Truck Ownershi	ne vs. Jolue with rs – Main.): ers - Unors le: Male: Nip: Con: C	ob Conditional this Basic terial Description Manadjusted Basic So adjustment of adjustment ommon own onstant open	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicate the ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	ole 0.00 loaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.625 minus Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi Truck Ownershi	ne vs. Jolue with rs – Main.): ers - Unors le: Male: Nip: Con: C	ob Conditional this Basic terial Description Manadjusted Basic So adjustment of adjustment ommon own onstant open	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicate the ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	ne (load, dump, noble 0.00 loaders -0.04 loaders - r Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi Truck Ownersh Operatio Dump Targ	ne vs. John	ob Conditional this Basic terial Description Manadjusted Basic So adjustment of adjustment ommon own onstant open	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicate the ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	e (load, dump, no loaders -0.04 loaders -0.04 loaders - r Cycle Time: me per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes
Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi Truck Ownersh Operatio Dump Targ	ne vs. Jolue with rs – Main.): ers - Unors le: Nip: Con: Cet: N	ob Condition in this Basisterial Descri Madjusted Basisterial Descri in adjusted Basisterial Description and the control of th	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 at - factor not applicable hership of trucks and learning -0.04 et 0.00 Net Cycle Time Adjusted Loade Net Load Time	ne (load, dump, no loaders -0.04 loaders -0.04 loaders - Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3125.00	8.60	3.00	11.60	675	4.674

Task # A0209

Haul Time: 4.674 minutes

Return Route:

Return Route.								
Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)		
1	3125.00	-8.60	3.00	-5.60	3450	0.942		

Return Time: 0.942 minutes
Total Truck Cycle Time: 9.448 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour

Truck Unit Production
447.10 LCY/Hour Adjusted for job efficiency: 371.09 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 1,484.36 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 25.05 Hours

Unit cost: \$2.171 /LCY Total job cost: \$72,441

TRUCK/LOADER TEAM WORK

Task description:	N. Cres	son Mine Area - '	Горsoil - Lift 4 -	Transport		
Site: Cresson Projec	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE	NTIFICATION	I				
Task #: A02		State: Colora	ıdo	Ab	breviation: No:	ne
Date: 6/29	/2025	County: Teller			Filename: A0	210
User: ERR		DD140				
Agency o	or organization nai	ne: DRMS				
HOURLY EQU	IPMENT COS	<u>r</u>		Shift bas	is: 1 per day	
			Equipment Descri	ption		
	Truck Loader Tea		777F Γ 992K			
Sup	port Equipment -I	Load Area: Cat	D10T - 10SU			
Road N	-D Maintenance –Mot	ump Area: NA	Г 16М			
			er Tanker, 7,000	Gal.		
Coot Ducoledous	T1-/I o	ader Team	C a mt 1	C:	Maintanan	a Eminorant
<u>Cost Breakdown</u> :	Truck	Loader	Load Area	Equipment Dump Area	Motor Grader	ce Equipment Water Truck
% Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour: Operator cost/hour:	NA \$25.24	\$0.00 \$36.85	\$0.00 \$38.59	NA NA	\$0.00 \$27.76	\$0.00 \$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA NA	\$27.76	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team co		. ,	11	·		<u> </u>
Total work team et	05t/110ti1. <u>\$2,514.</u>	<u> </u>				
MATERIAL QU	<u>UANTITIES</u>					
Initial volume	e: 12,536	CCY	Swell	factor: 1.215		
Loose volume	e: 15,2 3	B1 LCY				
	ource of estimated		CC&V Provided	Estimate		
Sourc	e of estimated swe Material Purch		Iandbook			
		otal Cost: \$0.00				
HOURLY PRO	<u>ODUCTION</u>					
Truck Capacity:						
Truck Payload (we			Pounds/LCY			
Material Desc	weight: $1,600$ ription: Top So	oil	F Ounds/LC Y			
	Payload: 200,00		Pounds			

Truck/Loader Worksheet Co	nt'd	Task # A0210	1		Page 2 of 3	
Payload Capacity: _	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:		.CY				
Heaped Volume:		LCY .				
Average Volume:		.CY				
Adjusted Volume:	78.80 I	LCY .				
Final	Truck Volume l	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity						
			Buck	ket Size Class: N	A	
Rated Capacity:	16.000	LCY (heaped)	2001			
Bucket Fill Factor:	1.100	Other - rock/dirt	mixtures (100	-120%) 1.100		
Adjusted Capacity:	17.600	LCY	(===			_
Job Condition Corrections	<u>L</u>	Sit	te Altitude (ft.): 9	9 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB	5)		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	of Loading Tool Pas	sses Required to l	Fill Truck:	4	passes
Excavators and Front Shove	<u>ls:</u>					
Machine Cycle Time v						
Selected Value		<u> </u>				
Track Loaders –	Material Descrip	otion:				
Cycle Time Elements (min.):						
Load: NA	Ma	aneuver: NA		Dump: 0.100)	
	_					
Wheel and Track Loaders -	Unadjusted Bas	ic Loader Cycle Tin	ne (load, dump, n	naneuver):0	.625 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materia			0.020	(Cat HB)	
Stockpile:		- factor not applical		0.000	(Cat HB)	
Truck Ownership:		ership of trucks and	loaders -0.04	-0.040	(Cat HB)	_
Operation:	Constant opera			-0.040	(Cat HB)	_
Dump Target:	Nominal targe	Net Cycle Tim	a Adjustment:	-0.060	(Cat HB) minutes	_
		Adjusted Loade	-	0.565	minutes	
			me per Truck:	1.795	minutes	
Truck Cycle Time:			-		_	
Truck Exchange Time	: 0.80	Minutes	Adiusted	for site altitude:	0.800	Minute
Truck Load Time		Minutes	· ·	for site altitude:	1.832	Minute
ck Maneuver and Dump Time		- Minutes	3	for site altitude:	1.200	– Minute
with Hills	. 1.20	Milliates	Aujusieu	ioi site aititude.	1.200	williut

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2000.00	8.50	3.00	11.50	675	3.006

Haul Time: **3.006** minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min) 2000.00 -8.50 3.00 -5.50 3450 0.623

Return Time: 0.623 minutes
Total Truck Cycle Time: 7.461 minutes

Loading Tool unit

Production Truck Unit Production

Truck Unit Production

566.17 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Adjusted for job efficiency: 469.92 LCY/Hour Optimal No. of Trucks: 3 Truck(s)

Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,409.77 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 11.43
 Hours

 Unit cost:
 \$1.888
 /LCY
 Total job cost:
 \$28,750

		Permit Action	on: 2025 Update	മ		
Site: Cresson Project	et	I CHIII ACII	M1980244		Permit/Job#: M	1980244
PROJECT IDE	NTIFICATION	<u>I</u>				
Task #:A02		State: Colora		Ab	breviation: No	
Date: 6/29 User: ERI		County: <u>Teller</u>			Filename: A0	211
	or organization nar	ne: DRMS				
	JIPMENT COS			Shift has	is: 1 per day	
HOURET EQU	M WENT COS	<u> </u>	Equipment Deser		is. <u>i per day</u>	
	Truck Loader Tea		Equipment Descri 777F	іриоп		
			Т 992К			
Sup	pport Equipment -I -D	Load Area: Cat ump Area: NA	D10T - 10SU			
Road	Maintenance –Mot	1	T 16M			
	-Wa	nter Truck: Wat	ter Tanker, 7,000	Gal.		
Cost Breakdown	· Truck/Lo	ader Team	Support	Equipment	Maintanan	ce Equipment
Cost Breakdown	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour: Operator cost/hour:	NA \$25.24	\$0.00 \$36.85	\$0.00 \$38.59	NA NA	\$0.00 \$27.76	\$0.00 \$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA NA	\$27.76	\$115.35
Number of Units:	2	1	\$ 4 92.91	0	\$237.00	\$113.33 1
Group Subtotals:	Work:	\$1,292.21	Support:	\$492.91	Maint:	\$352.41
<u> </u>		<u>-</u>	Support.	\$ 1,7 2 .71	TVIAIIT.	Ψ302.11
Total work team of	ost/hour: \$2,137.	53				
MATERIAL Q	UANTITIES					
Initial volum		CCY	' Swall	factor: 1.215		
Loose volum				1actor. 1.213		
Ç	Source of estimated		CC&V Provided	Estimate		
	ce of estimated swe		Handbook	Estimate		
	Material Purch					
	To	otal Cost: \$0.00)			
HOURLY PR	ODUCTION					
Truck Capacity:						
Truck Payload (w						
Material			Pounds/LCY			
ъ	cription: Top So					

Truck/Loader Worksheet Co						
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
	Truck Volume	Based on Number of	of Loader Passes:	70.40	LCY	
Loading Tool Capacity						
		i	Buck	tet Size Class: N	NA	_
Rated Capacity:	16.000	LCY (heaped)				_
Bucket Fill Factor:	1.100		rt mixtures (100-	-120%) 1.100		_
Adjusted Capacity: _	17.600	LCY				
Job Condition Corrections:	<u>L</u>	S	ite Altitude (ft.): 9	2 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB	·		
Job Efficiency:	0.830	0.830	(CAT HB)		
777 ======						
Net Correction:	0.830	0.813				
Net Correction: Loading Tool Cycle Time:	Numbe	0.813	asses Required to I	Fill Truck:	4 I	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v	Numbe ls: s. Job Conditio	r of Loading Tool Pa on Rating: <u>NA</u>	asses Required to I	Fill Truck:	4 I	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value	Numbe ls: s. Job Conditio within this Basi	r of Loading Tool Pa on Rating: <u>NA</u> ic Rating: <u>NA</u>			4I	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v	Numbe ls: s. Job Conditio within this Basi Material Descr	r of Loading Tool Pa on Rating: <u>NA</u> ic Rating: <u>NA</u>	asses Required to I		4	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders —	Numbe l <u>s:</u> s. Job Conditio within this Basi Material Descr	r of Loading Tool Pa on Rating: <u>NA</u> ic Rating: <u>NA</u>				passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.):	Numbe ls: s. Job Conditio within this Basi Material Descr	on Rating: NA ic Rating: NA ription: Maneuver: NA		Dump: 0.100		
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders — Cycle Time Elements (min.): Load: NA	Numbe ls: s. Job Conditio within this Basi Material Descr	on Rating: NA ic Rating: NA ription: Maneuver: NA		Dump: 0.100	0	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders –	Numbe ls: s. Job Conditio within this Basi Material Descr	r of Loading Tool Parting: NA NA In Rating: NA In Parting: NA In Par		Dump: 0.100	0 0.625 minu	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value of Selected V	Numbe ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed mater No adjustmen	on Rating: NA ic Rating: NA ic Rating: NA iription: NA is Anaeuver: NA is Loader Cycle Ti ial 0.02 int - factor not applica	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.)	0 0.625 minus Source (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbe ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed mater No adjustmer Common ow	on Rating: NA ic	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	0	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbe ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed mater No adjustmer Common ow Constant ope	r of Loading Tool Part of Loading Tool Part of Rating: NA ic Rating: Maneuver: Maneuver: NA isid Loader Cycle Time ial 0.02 int - factor not applicate the restriction of trucks and cration -0.04	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbe ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed mater No adjustmer Common ow	r of Loading Tool Part of Loading Tool Part of Rating: NA ic Rating: Maneuver: NA ic Rating:	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbe ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed mater No adjustmer Common ow Constant ope	r of Loading Tool Part of Loading Tool Part of Rating: NA ic Rating: Maneuver: Maneuver: NA id NA ic Rating: Maneuver: NA ic Rating: N	me (load, dump, n able 0.00 I loaders -0.04 me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbe ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed mater No adjustmer Common ow Constant ope	r of Loading Tool Pa on Rating: NA ic Rating: NA ription: NA ripti	me (load, dump, n able 0.00 d loaders -0.04 me Adjustment: ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value of Selected V	Numbe ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed mater No adjustmer Common ow Constant ope	r of Loading Tool Pa on Rating: NA ic Rating: NA ription: NA ripti	me (load, dump, n able 0.00 I loaders -0.04 me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0	
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Numbe ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed mater No adjustmet Common ow Constant ope Nominal targ	r of Loading Tool Part of Loading Tool Part of Rating: NA Sic Rating: Maneuver: Maneuver: NA Station: Maneuver: NA Station: NA Station: NA Station - NA Station - O.04 Station - O.04	me (load, dump, n able 0.00 d loaders -0.04 me Adjustment: ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	O.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value of Selected V	Numbe ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed mater No adjustmer Common ow Constant ope Nominal targ	r of Loading Tool Part on Rating: NA ic Rating: Maneuver: Maneuver: NA isial 0.02 Int - factor not applicate nership of trucks and ration -0.04 Set 0.00 Net Cycle Time Adjusted Load Net Load Tour Minutes	me (load, dump, n able 0.00 d loaders -0.04 me Adjustment: der Cycle Time: Fime per Truck: Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	O.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes minutes	utes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Numbe ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed mater No adjustmer Common ow Constant ope Nominal targ : 0.80 : 1.795	r of Loading Tool Part of Loading Tool Part of Rating: NA Sic Rating: Maneuver: Maneuver: NA Station: Maneuver: NA Station: NA Station: NA Station - NA Station - O.04 Station - O.04	me (load, dump, n able 0.00 d loaders -0.04 me Adjustment: ler Cycle Time: Time per Truck: Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	O.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	750.00	9.30	3.00	12.30	675	1.169

Haul Time: **1.169** minutes Return Route: Roll. Res Total Res Travel Haul Distance Grade (%) Velocity Seg# Time (Ft) (%) (%) (fpm) (min) 750.00 -9.30 3.00 -6.30 3450 0.272

Return Time: 0.272 minutes
Total Truck Cycle Time: 5.273 minutes

Selected Number of Trucks: 2 Truck(s)

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 801.12 LCY/Hour Adjusted for job efficiency: 664.93 LCY/Hour

Adjusted hourly truck team production: 1,329.86 LCY/Hour Adjusted single truck/loader team production: 1,329.86 LCY/Hour Adjusted multiple truck/loader team production: 1,329.86 LCY/Hour

JOB TIME AND COST

Optimal No. of Trucks: 2 Truck(s)

Fleet size: _____1 Team(s) Total job time: _____1.31 Hours

Unit cost: \$1.607 /LCY Total job cost: \$2,804

BULLDOZER WORK

Cresson Project		Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDEN	JTIFICATIO	N				
			C-1 1		Allina	N
Task #: A021		State:	Colorado		Abbreviation:	None
Date: 6/29/2	2025	County:	Teller		Filename:	A0212
User: ERR						
Agency or	r organization n	ame: DF	RMS			
HOURLY EQUI	PMENT CO	<u>ST</u>				
Basic Machine:	Cat D7R DS	Series II L	GP			
Horsepower:	240					
Blade Type:	Straight					
Attachment:	NA					
Shift Basis:	1 per day			<u> </u>		
Data Source:	(CRG)			<u> </u>		
Cost Breakdown:						
				Utilization %		
Ownership Cost/H	Iour:		\$90.24	NA		
Operating Cost/H			\$78.95	100		
Ripper own. Cost/H			\$0.00	NA		
Ripper op. Cost/E			\$0.00	25		
	ır: \$207.7		\$38.59	NA		
Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU	\$207.75 bur: \$207.75		\$38.59	NA		
Total unit Cost/Hou Total Fleet Cost/Ho	\$207.75 our: \$207.75 \$207.75		\$38.59	NA		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU	\$207.75 bur: \$207.75		\$38.59	NA		
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume:	\$207.75 our: \$207.75 \$207.75 \$207.75 \$207.75 \$207.75 \$207.75		\$38.59	NA		
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume:	\$207.75 \$20	8				
Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated	\$207.75 \$20	2022 CC	— — &V Provideo			
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume:	\$207.75 \$20	8	— — &V Provideo			
Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated	\$207.75 Sur: \$207.75 \$207.75	2022 CC	— — &V Provideo			
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	\$207.75 SANTITIES 59,113 1.215 71,822 LCY I volume: I swell factor: DUCTION	2022 CCc Cat Hand	— — &V Provideo			
Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	### \$207.75 ### \$2	2022 CC	&V Provideo			
Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distant	\$207.75 pur: \$207.75 \$207.75 \$207.75	2022 CC Cat Hand 370 feet 173.6 LCY	&V Provideo	l Estimate		
Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distant Unadjusted hourly published	### \$207.79 ###################################	2022 CC Cat Hand 370 feet 173.6 LCY	&V Provided book	l Estimate		
Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly p	### \$207.7 ### \$207.7	2022 CCc Cat Hand 370 feet 173.6 LCY/ Loose s	&V Provided book	l Estimate		
Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distant Unadjusted hourly publication Materials consistence	\$207.75 \$207	2022 CCc Cat Hand 370 feet 173.6 LCY/ Loose s	&V Provided book	l Estimate		
Total unit Cost/Hou Total Fleet Cost/Hou Total Fleet Cost/Hou MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated HOURLY PROI Average push distant Unadjusted hourly push Materials consistent Average push gradi Average site altitud	\$207.75 \$207	2022 CCc Cat Hand 370 feet 173.6 LCY/ Loose :	&V Provided book	l Estimate		
Total unit Cost/Hou Total Fleet Cost/Hou Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Fleet	\$207.75 \$207	2022 CCc Cat Hand 370 feet 173.6 LCY/ Loose :	&V Provided	1 Estimate		
Total unit Cost/Hou Total Fleet Cost/Hou Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Fleet	\$207.75 \$207	2022 CCc Cat Hand 370 feet 173.6 LCY/ Loose : eet bs/LCY il	&V Provided book	1 Estimate		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 238.84 LCY/hr
Adjusted fleet production: 238.84 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.870/LCY

Total job time: 300.71 Hours
Total job cost: \$62,481

BULLDOZER RIPPING WORK

Task	description:	N. Cresson M	line Area - Top	soi - Lift 1-5 - 1	Ripping			
Site: Cr	esson Project		Permit Action:	2025 Update M1980244	P	ermit/Job#:	M198024	4
PRO	JECT IDENTIF	ICATION						
	A0213 Date: 6/29/2025 User: ERR	Stat Count				reviation: _ Filename: _	None A0213	
	Agency or orga	nization name: _	DRMS					
ЮН	JRLY EQUIPMI	ENT COST						
	Basic Machin	e: Cat D7R DS	Series II LGP		Horsepower:	2	40	
	Ripper Attachmen	t: 3-Shank Rip	per	<u> </u>	Shift Basis:		er day	<u> </u>
					Data Source:	(C	RG)	
Cost	Breakdown:				Litilization 0/			
	Owne	ership Cost/Hour:		\$90.24	Utilization % NA			
		rating Cost/Hour:		\$78.95	100	-		
		ership Cost/Hour:		\$9.25	NA	=		
		rating Cost/Hour: erator Cost/Hour:		\$5.20 \$38.59	100 NA	-		
	•	l Unit Cost/Hour:		\$222.23	NA	_		
				<u> </u>				
	Total	Fleet Cost/Hour:	\$22	2.23				
MAT	TERIAL QUANT	<u> TITIES</u>	Sele	ected estimating	g method: Area	a		
Alter	nate Methods:							
mic: NA	Α	I	Bank Volume:	NA	BCY	ľ	NΑ	
rea: 73.	.28 ac	eres R	Cip Depth (ft):	2.50	Volume:	295,563		BCY or
HOU Seisn	JRLY PRODUC nic:	TION Seismic V	elocity:	NA	feet/sec	ond		
Araa								
Area:	<u>-</u>	Average Ripping	2 Depth:	2.45	feet/pas	SS		
		Average Ripping	Width:	6.50	feet/pas			
		Average Ripping		245.00	feet/pas			
		Average Doze Average Maneuve		88.00 0.25	feet/minutes			
		Production per u		0.23	acres/h	•		
Job C	Condition Correction	•						
<u> </u>		d Hourly Unit Pro	duction:	0.723	Acres/h	ır		
	Chadjuste	·	Altitude:	9,500	feet			
			ide Adj:	1.00	(CAT H	HB)		
			iciency:	0.83	(1 shift/			
		Net Cor	rrection:	0.83	multipli	ier		
		Adjusted Hourly U djusted Hourly Fl			Acres/hr Acres/hr			
JOB	TIME AND CO	ST						
		<u> </u>						
F	leet size:		(s)	Total job tim	ne:1	22.12	Hou	rs

Task description:	N. Cres	son Mine Area - '	Topsoil - GlobeH	iillHR - Transpo	rt	
Site: Cresson Projec	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE Task #: A02 Date: 6/29 User: ERR	14 /2025	State: Colora County: Teller	ado	Ab	breviation: No.	
Agency o	or organization nar	ne: DRMS				
HOURLY EQU	IPMENT COS	_			is: <u>1 per day</u>	
Sup	Maintenance –Mot	m -Truck: Cat -Loader: CA' Load Area: Cat ump Area: NA or Grader: CA'	Equipment Descri 777F F 992K D10T - 10SU			
Cost Breakdown:		ater Truck: Wat ader Team Loader	Support I Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	NA \$0.00	NA NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	4	1	1	0	1	1
Group Subtotals:	Work:	\$2,046.51	Support:	\$492.91	Maint:	\$352.41
MATERIAL QU Initial volume Loose volume	UANTITIES e: 32,404	CCY		factor: 1.215		
S	ource of estimated e of estimated swe Material Purch	l volume: 2022 ell factor: Cat H	CC&V Provided Handbook	Estimate		
HOURLY PRO Truck Capacity: Truck Payload (we Material	eight) Basis:		Pounds/LCY			
	eription: Top So		Pounds Pounds			

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Fina	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Dual	sat Siga Classe N	Τ.Α.	
Datad Canasitan	16,000	LCV (beened)	Биск	ket Size Class: N	IA.	
Rated Capacity: Bucket Fill Factor:	16.000 1.100	LCY (heaped) Other - rock/dirt	miyturos (100	120%) 1 100		_
Adjusted Capacity:	17.600	LCY	illixtules (100-	-120%) 1.100		=
Aujusted Capacity.	17.000					
Job Condition Corrections	<u>:</u>	Site	e Altitude (ft.): 9	9 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB			
Net Correction:	0.830	0.813				
	1		_			
Loading Tool Cycle Times	Number	r of Loading Tool Pass	ses Required to I	Fill Truck:	4	passes
Loading Tool Cycle Time: Excavators and Front Shove	Numbei	r of Loading Tool Pass	ses Required to I	Fill Truck:	4	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time:	Numbei	r of Loading Tool Pass	ses Required to I	Fill Truck:	4	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time:	Number vs. Job Condition within this Basi	r of Loading Tool Pass n Rating: NA c Rating: NA	ses Required to I	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time Selected Value	Number S. Job Condition Within this Basic Material Description	r of Loading Tool Pass n Rating: NA c Rating: NA	ses Required to I	Fill Truck:	4	passes
Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders –	Numbernels: Test of Condition within this Basin Material Description.	r of Loading Tool Pass n Rating: NA c Rating: NA	ses Required to I	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.)	Number S. Job Condition Within this Basic Material Description M	n Rating: NA c Rating: NA iption: NA		Dump: 0.100)	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA	Number S. Job Condition Within this Basic Material Description M	n Rating: NA c Rating: NA iption: NA		Dump: 0.100)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Number S. Job Condition Within this Basic Material Description Muster Material Material Mixed material	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Tim	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020).625 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Number Sels: Test Job Condition Within this Basic Material Descript Muster Material Mixed material No adjustmen	n Rating: NA c Rating: NA iption: NA Isic Loader Cycle Tim Isla 0.02 nt - factor not applicab	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000) min Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Sels: Sels: Sels: Sels: Sels: Sels: Material Description: Mixed material Mixed material No adjustmer Common own	n Rating: NA c Rating: NA iption: NA laneuver: NA asic Loader Cycle Times al 0.02 nt - factor not applicable nership of trucks and 1	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: S	n Rating: NA c Rating: NA iption: NA laneuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and I ration -0.04	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Sels: Sels: Sels: Sels: Sels: Sels: Material Description: Mixed material Mixed material No adjustmer Common own	n Rating: NA c Rating: NA iption: NA laneuver: NA laneuver: NA lasic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and laration -0.04 et 0.00	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: S	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Ial 0.02 Int - factor not applicable Intership of trucks and I Iration -0.04 et 0.00 Net Cycle Time	e (load, dump, n le 0.00 oaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: S	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Isla 0.02 Int - factor not applicable Intership of trucks and I Iration -0.04 et 0.00 Net Cycle Time Adjusted Loade	e (load, dump, n le 0.00 oaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: S	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Isla 0.02 Int - factor not applicable Intership of trucks and I Iration -0.04 et 0.00 Net Cycle Time Adjusted Loade	e (load, dump, noaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number of the Nu	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Isla 0.02 Int - factor not applicable Intership of trucks and I Iration -0.04 et 0.00 Net Cycle Time Adjusted Loade	e (load, dump, noaders -0.04) e Adjustment: r Cycle Time: me per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes — — —
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number Sels: Test Job Condition within this Basis Material Description: - Unadjusted Basis Mixed material No adjustmer Common own Constant open Nominal targets: - Unadjusted Basis Mixed material No adjustmer Common own Constant open Nominal targets: - Unadjusted Basis Mixed material No adjustmer Common own Constant open Nominal targets: - Unadjusted Basis Mixed Mixed Mixed Material Description of the Mixed	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Ial 0.02 Int - factor not applicable Intership of trucks and I Iration -0.04 et 0.00 Net Cycle Time Adjusted Loade Net Load Time	e (load, dump, noaders -0.04 e Adjustment: c Cycle Time: ne per Truck: Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time: Truck Exchange Time	Number Number Sels: Test Job Condition within this Basic Material Description: Mixed material No adjustment Common own Constant open Nominal target 1.795	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicabenership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loader Net Load Time Minutes	e (load, dump, noaders -0.04 e Adjustment: cr Cycle Time: ne per Truck: Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	9380.00	-2.00	3.00	1.00	3503	3.207

Task # A0214

Haul Time: 3.207 minutes

Return Route:

Ketuiii Ke	Juic.						
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	9380.00	2.00	3.00	5.00	3296	3.216	

Return Time: 3.216 minutes
Total Truck Cycle Time: 10.255 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 1,367.55 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 29.55 Hours

Unit cost: \$2.171 /LCY Total job cost: **\$85,462**

BULLDOZER WORK

Permit Action:	2025 Update M1980244	_ Permit/Job#:	M1980244
TION			
		A11	NT
			None
_ County: Teller		Filename:	A0215
_			
on name: DRMS			
COST			
R DS Series II LGP			
	<u></u>		
	<u></u>		
у	<u></u>		
	<u>Utilization %</u>		
\$90.24	NA		
	100		
	NA		
	25		
\$38.59	NA		
<u>ES</u>			
<u>ES</u>			
<u>ES</u>			
ES CY			
CY	d Fetimata		
CY	d Estimate		
CY	d Estimate		
CY	d Estimate		
CY 2022 CC&V Provide Cat Handbook	d Estimate		
CY 2022 CC&V Provide Cat Handbook N 370 feet	d Estimate		
CY 2022 CC&V Provide Cat Handbook	d Estimate		
CY 2022 CC&V Provide Cat Handbook N 370 feet			
CY 2022 CC&V Provide Cat Handbook N 370 feet 173.6 LCY/hr ion: Loose stockpile 1.2			
CY 2022 CC&V Provide Cat Handbook N 370 feet 173.6 LCY/hr			
CY 2022 CC&V Provide Cat Handbook N 370 feet 173.6 LCY/hr ion: Loose stockpile 1.2			
CY 2022 CC&V Provide Cat Handbook 1 370 feet 173.6 LCY/hr ion: Loose stockpile 1.2 0 % 600 feet			
2022 CC&V Provide Cat Handbook	Source		
2022 CC&V Provide Cat Handbook	2		
	State: Colorado County: Teller Con name: DRMS COST R DS Series II LGP \$90.24 \$78.95 \$0.00 \$0.00	M1980244	M1980244 Permit/Job#: TION

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 238.84 LCY/hr
Adjusted fleet production: 238.84 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.870/LCY

Total job time: 164.84 Hours
Total job cost: \$34,250

BULLDOZER RIPPING WORK

Task description:	N. Cresson Mine Area - T	opsoil - GlobeHillH	IR - Ripping		
Site: Cresson Project	Permit Action	2025 Update M1980244	Permi	it/Job#: M198024	14
PROJECT IDENTIF	ICATION				
Task #: A0216 Date: 6/29/2025 User: ERR	State: Colorad County: Teller	0	Abbrevi Filer	name: None A0216	
Agency or organ	nization name: DRMS				
HOURLY EQUIPME	ENT COST				
Basic Machine	e: Cat D7R DS Series II LGI	?	Horsepower:	240	
Ripper Attachment	t: 3-Shank Ripper		Shift Basis:	1 per day	
			Data Source:	(CRG)	
Cost Breakdown:		1	Utilization %		
	rship Cost/Hour:	400 - 4	NA NA		
	rating Cost/Hour:		100		
	rship Cost/Hour: ating Cost/Hour:	Φ	NA 100		
	rating Cost/Hour:erator Cost/Hour:	\$38.59	NA		
_	Unit Cost/Hour:	\$222.23			
Total	Fleet Cost/Hour: \$2	222.23			
MATERIAL QUANT			.1 1 A		
Alternate Methods:	<u>111E5</u> S	elected estimating n	nethod: Area		
	D 1 W 1	N. A.	D.C.V.	27.4	
smic: NA Area: 40.17 ac	Bank Volume res Rip Depth (ft):		BCY BCY	NA 019	BCY or C
Source	e of estimated quantity: 2022	CC&V Provided F	etimate		
	· · ·				
HOURLY PRODUCT	<u>HON</u>				
Seismic:	Seismic Velocity:	NA	feet/second		
	Seisinic velocity.	IVA	leet/second		
Area:	Average Ripping Depth:	2.45	feet/pass		
	Average Ripping Width:	6.50	feet/pass		
	Average Ripping Length:	300.00	feet/pass		
	Average Dozer Speed:	88.00	feet/minute		
4	Average Maneuver Time:	0.25	minutes/pas	SS	
	Production per unit area:	0.734	acres/hour		
Job Condition Correction					
Unadjusted	Hourly Unit Production:	0.734	Acres/hr		
	Site Altitude:	9,500	feet		
	Altitude Adj:	1.00	(CAT HB)		
	Ich Efficiensy	0.02]	
	Job Efficiency: Net Correction:	0.83	(1 shift/day multiplier	,	
	Net Correction: djusted Hourly Unit Productio	0.83 n: 0.61	multiplier Acres/hr Acres/hr	,	
A	Net Correction: Adjusted Hourly Unit Productio djusted Hourly Fleet Productio	0.83 n: 0.61	multiplier Acres/hr	,	
	Net Correction: Adjusted Hourly Unit Productio djusted Hourly Fleet Productio	0.83 n: 0.61	multiplier Acres/hr Acres/hr		ırs

BULLDOZER WORK

Task description:	ECO	SA Mine A	rea - 50 - 15	0 ft Lift - Mass Grading	5	
: Cresson Project		Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDEN	JTIFICATIO	N				
Task #: A030 Date: 6/29/	0	State: County:	Colorado Teller		Abbreviation: Filename:	None A0300
Agency of	organization i	name: <u>DF</u>	RMS			
HOURLY EQUI	PMENT CO	ST				
Basic Machine:	Cat D10T -	10SU				
Horsepower:	574			_		
Blade Type:	Semi-Unive	rsal				
Attachment:	NA					
Shift Basis:	1 per day					
Data Source:	(CRG)					
Cost Breakdown:						
Cost Dicardowii.				Utilization %		
Ownership Cost/H	lour:		\$257.39	NA		
Operating Cost/F			\$196.93	100		
Ripper own. Cost/F			\$0.00	NA		
Ripper op. Cost/F			\$0.00	0		
Operator Cost/F			\$38.59	NA		
MATERIAL QU Initial Volume: Swell factor:	1,304,578 1.000					
Loose volume:	1,304,578 LC	CY				
Source of estimated Source of estimated		2022 CCc Cat Hand	&V Provided book	l Estimate		
HOURLY PRO	<u>OUCTION</u>					
Average push dista	nce:	200 feet				
Unadjusted hourly		946.0 LCY	/hr			
Materials consisten	· <u>-</u>		idated stockj	pile 1.0		
Aviana an arrish arrish	ant. 10.0/					
Average push gradi Average site altitud		feet				
Material weight:	2,800	lbs/LCY				
Weight description	Granit	e - Broken				
Job Condition Corr				Source		
	rator Skill:	0.	750	(AVG.)		
	onsistency:		000	(CAT HB)		
Dozi	ng method:	1.	200	(S-BY-S)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6010

Adjusted unit production: 568.55 LCY/hr
Adjusted fleet production: 1137.1 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.867/LCY

Total job time: 1,147.29 Hours
Total job cost: \$1,131,006

BULLDOZER WORK

	n	it A atia	2025 Undata	
Cresson Project	Репп	nit Action:	2025 Update M1980244	Permit/Job#: M1980244
Cresson Project			111700211	
PROJECT IDENTIFIC	ATION			
Task #: A0301	<u></u>	Colorado		Abbreviation: None
	State:			
Date: 6/29/2025	County:	Teller		Filename: A0301
User: ERR				
Agency or organiz	ation name:DR	MS		
HOURLY EQUIPMEN	T COST			
Basic Machine: Cat D	7R DS Series II LC	iΡ		
Horsepower: 240				
Blade Type: Straig	ht		<u> </u>	
Attachment: NA				
Shift Basis: 1 per	day		<u> </u>	
Data Source: (CRG				
)		<u> </u>	
Cost Breakdown:			ı	
			<u>Utilization %</u>	
Ownership Cost/Hour:		\$90.24	NA	
Operating Cost/Hour:		\$78.95	100	
Ripper own. Cost/Hour:		\$0.00	NA	
Ripper op. Cost/Hour:		\$0.00	0	
Operator Cost/Hour:		\$38.59	NA	
MATERIAL QUANTIT		_		
Swell factor: 1.000		_		
Loose volume: 256,06	4 LCY	_		
Source of estimated volume	: 2022 CC&	V Provided	1 Estimate	
Source of estimated swell fa			25000000	
HOURLY PRODUCTION	ON			
Average push distance:	145 feet			
Unadjusted hourly production	on: 381.4 LCY/h	ır		
Materials consistency descri	iption: Consolid	dated stock	pile 1.0	
Average push gradient:	-30 %			
	9,500 feet			
_	2,800 lbs/LCY	_		
<u> </u>	Granite - Broken			_
Job Condition Correction Fa			Source	
Operator Sk		50	(AVG.)	
Material consistence		000	(CAT HB)	
Dozing metho	•	100	(GFN)	

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6546

Adjusted unit production: 249.66 LCY/hr
Adjusted fleet production: 249.66 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.832/LCY

Total job time: 1,025.65 Hours
Total job cost: \$213,105

Site: Cresson Projec	t	Permit Acti	on: 2025 Update M1980244		Permit/Job#: M	1980244
			111700211			1700211
PROJECT IDE	<u>NTIFICATION</u>	<u>I</u>				
Task #: A030		State: Colors		Ab	breviation: No	
Date: 6/29 User: ERR		County: Teller	•		Filename: A0	302
	or organization nar	ne: DRMS				
HOURLY EQU	IPMENT COS				is: 1 per day	
	Truck Loader Tea		Equipment Descri	ption		
	Truck Loader Tea		T 992K			
Sup	port Equipment -I		D10T - 10SU			
Pood N	-D Maintenance –Mot	ump Area: NA	T 16M			
Koau r			ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo Truck	ader Team Loader	Support Load Area	Equipment Dump Area	Maintenan Motor Grader	water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour: Unit Subtotals:	\$25.24 \$377.15	\$36.85	\$38.59	NA NA	\$27.76 \$237.06	\$21.12 \$115.35
Number of Units:	3	\$537.91 1	\$492.91 1	0	\$237.00	\$113.33 1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
•		. ,	Support.	ψ492.91	Maiit.	\$332.41
Total work team co	ost/hour: \$2,514.	<u>68</u>				
MATERIAL QU	U ANTITIES					
Initial volume		CCY	y Swell	factor: 1.215		
Loose volum				1.213		
\$	ource of estimated	Lyolume: 2022	CC&V Provided	Estimate		
	e of estimated swe		Handbook	Estimate		
	Material Purch					
	To	otal Cost:\$0.00	U			
HOURLY PRO	<u>ODUCTION</u>					
Truck Capacity:						
Truck Payload (we						
Material	weight: $1,600$ ription: Top So	~i1	Pounds/LCY	•		
	TODAY	ш				

Truck/Loader Worksheet Con	t'd	Task # A0302			Page 2 of 3	i
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:	60.60 I	CV				
Struck Volume: Heaped Volume:		.CY .CY				
Average Volume:		LCY				
Adjusted Volume:		LCY				
Final ' Loading Tool Capacity	Fruck Volume 1	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Buck	tet Size Class: N	JA	
Rated Capacity:	16.000	LCY (heaped)	2001	<u> </u>		
Bucket Fill Factor:	1.100	Other - rock/dirt	mixtures (100	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY				_
Job Condition Corrections:		Site	e Altitude (ft.): 9	0 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB			
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	of Loading Tool Pas	ses Required to 1	Fill Truck:	4	passes
Excavators and Front Shovels		or Bouding 10011 us	ous required to a			Pusses
Machine Cycle Time vs		Rating: NA				
Selected Value w						
Track Loaders – I	Material Descrip	ption:				
Cycle Time Elements (min.):						
Load: NA	Ma	aneuver: NA		Dump: 0.100	0	
Wheel and Treets Leaders	I modinated Dec	ia Landar Cyala Tim	a (load dumm m		0.625 min	untos
Wheel and Track Loaders -	Ollaujusted Bas	sic Loader Cycle Till	e (load, dullip, li	• -		utes
Cycle Time Factors	Minadonia	10.02		Factor (min.)	Source	_
Material: Stockpile:	Mixed materia	n 0.02 t - factor not applicab	le () ()()	0.020	(Cat HB) (Cat HB)	
Truck Ownership:		ership of trucks and l		-0.040	(Cat HB)	_
Operation:	Constant opera		ouders 0.01	-0.040	(Cat HB)	
Dump Target:	Nominal targe			0.000	(Cat HB)	
		Net Cycle Time	e Adjustment:	-0.060	minutes	_
		Adjusted Loade		0.565	minutes	
		Net Load Ti	ne per Truck: _	1.795	minutes	
Truck Cycle Time:						
Truck Exchange Time:	0.80	Minutes	Adjusted	for site altitude:	0.800	Minute
Truck Load Time:	1.795	Minutes	Adjusted	for site altitude:	1.832	_ Minute
ck Maneuver and Dump Time:	1.20	- Minutes	Adjusted	for site altitude:	1.200	_ Minute
1		_	,	_		=

1.189

Page 3 of 3

3214.00

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3214.00	0.00	3.00	3.00	2409	1.770

Haul Time: **1.770** minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min)

3.00

0.00

Return Time: 1.189 minutes
Total Truck Cycle Time: 6.791 minutes

3503

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 622.03 LCY/Hour Adjusted for job efficiency: 516.29 LCY/Hour

3.00

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,548.86 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **54.48** Hours

Unit cost: \$1.888 /LCY Total job cost: \$136,995

Task description:	ECOSA	Mine Area - Toj	psoil - Lift 2 - Tr	ansport		
Site: Cresson Project	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE Task #: A030 Date: 6/29/ User: ERR	03 /2025	State: Colora County: Teller	ado	Ab	breviation: Nor Filename: A0	
Agency o	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: <u>1 per day</u>	
	Truck Loader Tea		Equipment Descri	ption		
	Truck Loader Tea		777F Γ 992K			
Sup	port Equipment -I	Load Area: Cat ump Area: NA	D10T - 10SU			
Road N	Aaintenance –Mot		Г 16М			
	-Wa	nter Truck: Wat	ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team Loader	Support l Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
% Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	NA \$0.00
Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	2	1	1	0	1	1
Group Subtotals:	Work:	\$1,292.21	Support:	\$492.91	Maint:	\$352.41
Total work team co	UANTITIES e: 51,030	CCY		factor: <u>1.215</u>		
	ource of estimated e of estimated swe Material Purch	l volume: 2022 ell factor: Cat H	CC&V Provided Handbook	Estimate		
HOURLY PRO	<u>ODUCTION</u>					
Truck Payload (we Material Desc	weight: 1,600 ription: Top So		Pounds/LCY			
Rated P	ayload: 200,00	IU .	Pounds			

Truck Educer Worksheet Con	t d	1 dsk # 110505			1 age 2 of 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Final 7	Γruck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity						
Rated Capacity:	16.000	LCY (heaped)	Buck	ket Size Class: _	NA	_
Bucket Fill Factor:	1.100	Other - rock/dirt	mixtures (100	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY		,		_
Job Condition Corrections:		Sit.	e Altitude (ft.): <u>9</u>	0500 feet		
300 Condition Corrections.			1	7 <u>500</u> 1eet		
Altie I. Ali	Truck	Loader	Source	`		
Altitude Adj:	1.000 0.830	0.980 0.830	(CAT HB	,		
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	of Loading Tool Pas	ses Required to 1	Fill Truck:	4 1	oasses
Excavators and Front Shovels		<i>g</i>	1			
Machine Cycle Time vs						
Selected Value w						
Track Loaders – N	Material Descri	ption:				
Cycle Time Elements (min.):	М	NI A		D 0.1	100	
Load: NA	- IVI	aneuver: NA		Dump: 0.1	100	
Wheel and Track Loaders -	Unadjusted Ba	sic Loader Cycle Tim	e (load, dump, n	naneuver):	0.625 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materia	al 0.02		0.020	(Cat HB)	_
Stockpile:		t - factor not applicab		0.000	(Cat HB)	
Truck Ownership:		ership of trucks and l	oaders -0.04	-0.040	(Cat HB)	_
Operation:	Constant oper			-0.040	(Cat HB)	_
Dump Target:	Nominal targe		A 11	0.000	(Cat HB)	_
		Net Cycle Time	-	-0.060	minutes	
		Adjusted Loade	ne per Truck:	0.565 1.795	minutes minutes	
		nei Luau III	ne per 11uck.	1./93		
Truck Cycle Time:						
Truck Exchange Time:	0.80	Minutes	Adjusted	for site altitude:	0.800	Minute
Truck Load Time:	1.795	Minutes	Adjusted	for site altitude:	1.832	Minute
ck Maneuver and Dump Time:	1.20	Minutes	Adjusted	for site altitude:	1.200	Minute
		<u>—</u>				_

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3294.00	-5.20	3.00	-2.20	3450	1.042

Haul Time: 1.042 minutes

Return Route:

Ketuin Koute.							
	Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
	1	3294.00	5.20	3.00	8.20	2327	1.663

Return Time: 1.663 minutes
Total Truck Cycle Time: 6.537 minutes

Loading Tool unit

Production ____1,605.09 LCY/Hour Adjusted for job efficiency: ___1,332.22 LCY/Hour

Truck Unit Production

646.20 LCY/Hour Adjusted for job efficiency: 536.35 LCY/Hour

Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 1,072.70 LCY/Hour Adjusted single truck/loader team production: 1,072.70 LCY/Hour Adjusted multiple truck/loader team production: 1,072.70 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **57.80** Hours

Unit cost: \$1.993 /LCY Total job cost: **\$123,548**

Task description:	ECOSA	Mine Area - Toj	psoil - Lift 3 - Tr	ansport		
Site: Cresson Projec	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE Task #: A030 Date: 6/29 User: ERR	04 /2025	State: Colora County: Teller	ado	Ab	breviation: No. Filename: A0.	
Agency o	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: <u>1 per day</u>	
	Truck Loader Tea	m -Truck: Cat -Loader: CA	Equipment Descri 777F Γ992K	ption		
	Maintenance –Mot	ump Area: NA or Grader: CA	D10T - 10SU Γ 16M ter Tanker, 7,000	Gal.		
Cost Breakdown:		ader Team Loader		Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA NA	\$0.00	\$0.00	NA NA	NA so oo	NA \$0.00
Ripper own. cost/hour: Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00 \$0.00	\$0.00 \$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team co	UANTITIES e: 54,071	CCY		factor: 1.215		
So	ource of estimated e of estimated swe Material Purch	l volume: 2022 ell factor: Cat H	CC&V Provided Handbook	Estimate		
HOURLY PRO Truck Capacity: Truck Payload (we	_					
Material	weight: 1,600 ription: Top So		Pounds/LCY Pounds			

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:		LCY				
	l Truck Volume	Based on Number of	of Loader Passes:	70.40	LCY	
Loading Tool Capacity			Ruck	tet Size Class: N	Δ	
Rated Capacity:	16.000	LCY (heaped)			Α	_
Bucket Fill Factor:	1.100		rt mixtures (100-	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY				
Job Condition Corrections	<u>:</u>	S	ite Altitude (ft.): 9	500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
			asses Required to F	Fill Truck:	4	passes
Net Correction: Loading Tool Cycle Time Excavators and Front Show	. Numbe	0.813	asses Required to F	Fill Truck:	4	passes
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time	Numbe els: vs. Job Conditio	or of Loading Tool Pa	nsses Required to F	Fill Truck:	4	passes
Excavators and Front Shove Machine Cycle Time Selected Value	Numbe els: vs. Job Conditio within this Basi	or of Loading Tool Parting: NA ic Rating: NA	asses Required to F	Fill Truck:	4 1	passes
Excavators and Front Show Machine Cycle Time Selected Value Track Loaders	Numbe els: vs. Job Conditio within this Basi Material Descr	or of Loading Tool Parting: NA ic Rating: NA	asses Required to F	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time Selected Value	Numbeels: vs. Job Conditio within this Basi Material Descr	or of Loading Tool Parting: NA ic Rating: NA	usses Required to F			passes
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA	Numbe els: vs. Job Conditio within this Basi Material Descr :	on Rating: NA ic Rating: NA ription: Maneuver: NA		Dump: 0.100)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Numbe els: vs. Job Conditio within this Basi Material Descr :	on Rating: NA ic Rating: NA ription: Maneuver: NA		Dump: 0.100)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors	Numbe els: vs. Job Conditio within this Basi Material Descr b Unadjusted Ba	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Ti		Dump: 0.100 naneuver): 0 Factor (min.)) .625 min Source	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material:	Number Sels: vs. Job Condition within this Basing Material Descript: Unadjusted Basing Mixed material Mixed M	on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Ti ial 0.02	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020	.625 min Source (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Number Sels: vs. Job Conditions within this Basing Material Description: Unadjusted Basing Mixed material No adjustments	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applica	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000	.625 min Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Number Number No. Job Condition within this Basin Material Description: - Unadjusted Basin No. Adjustment No. Adjustment Common ow	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applications of trucks and	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Number Number No. Job Condition within this Basin Material Description: - Unadjusted Basin No. Adjustment No. Adjustment Common ow	on Rating: NA ic Rating: NA ic Rating: NA iciption: NA asic Loader Cycle Ti ial 0.02 int - factor not applicate a containing of trucks and containing on the containing of trucks and contai	me (load, dump, mable 0.00	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applicate the rest of trucks and cration -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, mable 0.00 loaders -0.04 me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applicate the rest of trucks and cration -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, mable 0.00 I loaders -0.04 me Adjustment: ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Sels: Ves. Job Condition within this Basic Material Describing: When William Mixed Basic Mixed material No adjustment Common ow Constant open Nominal target.	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applicate the rest of trucks and cration -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, mable 0.00 loaders -0.04 loaders -0.04 ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Number Number No. Job Condition within this Basis Material Description: - Unadjusted Basis Mixed mater No. adjustment Common ow Constant open Nominal targetter No. 80	on Rating: NA ic Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applica nership of trucks and ration -0.04 get 0.00 Net Cycle Ti Adjusted Load Net Load T	me (load, dump, mable 0.00 loaders -0.04 loaders -0.04 ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3698.00	-8.90	3.00	-5.90	1870	2.136

Haul Time: 2.136 minutes

Return Route:

IXCLU	Return Route.						
Seg	# Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	3698.00	8.90	3.00	11.90	1628	2.403	

Return Time: 2.403 minutes
Total Truck Cycle Time: 8.371 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 504.62 LCY/Hour Adjusted for job efficiency: 418.84 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,256.51 LCY/Hour Adjusted single truck/loader team production: 1,256.51 LCY/Hour Adjusted multiple truck/loader team production: 1,256.51 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 52.28 Hours

Unit cost: \$2.001 /LCY Total job cost: **\$131,480**

Task description:	ECOSA	Mine Area - To	psoil - Lift 4 - Tr	ansport		
Site: Cresson Project	t	Permit Action	2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE Task #: A030 Date: 6/29/ User: ERR	05 /2025	State: Colora County: Teller	ado	Ab	breviation: No. Filename: A0.	
Agency o	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	_			is: 1 per day	
-	Truck Loader Tea		Equipment Descri 777F	ption		
		-Loader: CA	Т 992К			
Sup	port Equipment -I D-	Load Area: Cat ump Area: NA	D10T - 10SU			
Road N	1aintenance –Mot	or Grader: CA	Т 16М			
	-Wa	nter Truck: Wat	ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team Loader	Support l Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
% Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Ripper own. cost/hour: Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	4	1	1	0	1	1
Group Subtotals:	Work:	\$2,046.51	Support:	\$492.91	Maint:	\$352.41
Total work team co		83				
Initial volume Loose volume		CCY LCY		factor: 1.215		
	ource of estimated e of estimated swe Material Purch To	ell factor: Cat I		Estimate		
HOURLY PRO	<u>ODUCTION</u>					
Truck Capacity: Truck Payload (we Material	weight: 1,600		Pounds/LCY			
Desc Rated P	ription: Top So ayload: 200,00		Pounds			

Truck/Loader Worksheet Co	nt´d	Task # A0305			Page 2 of 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number of L	oader Passes:	70.40	LCY	
Loading Tool Capacity						
			Buck	et Size Class: N	Α	
Rated Capacity:	16.000	LCY (heaped)	2001			=
Bucket Fill Factor:	1.100	Other - rock/dirt m	nixtures (100-	120%) 1 100		-
Adjusted Capacity:	17.600	LCY	(100	120,0) 1.100		
Job Condition Corrections	<u>L</u>	Site	Altitude (ft.): <u>9</u>	500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)			
Job Efficiency:	0.830	0.830	(CAT HB))		
Net Correction:	0.830	0.813				
Excavators and Front Shove Machine Cycle Time v Selected Value	s. Job Condition within this Basic	c Rating: NA				
Track Loaders –	Material Descri	iption:				
Cycle Time Elements (min.)	:					
Load: NA	M	aneuver: NA		Dump: 0.100	<u> </u>	
Wheel and Track Loaders	· Unadjusted Ba	sic Loader Cycle Time	(load, dump, m	naneuver):0	.625 minu	ites
Cycle Time Factors				Factor (min.)	Source	_
Material:	Mixed materi			0.020	(Cat HB)	_
Stockpile:		t - factor not applicable		0.000	(Cat HB)	_
Truck Ownership:		nership of trucks and lo	aders -0.04	-0.040	(Cat HB)	_
Operation:	Constant oper			-0.040	(Cat HB)	_
Dump Target:	Nominal targ		A 1:	0.000	(Cat HB)	_
		Net Cycle Time		-0.060	minutes	
		Adjusted Loader Net Load Tim		0.565 1.795	_ minutes _ minutes	
Truck Cycle Time:						
Truck Exchange Time	: 0.80	Minutes	Adjusted	for site altitude:	0.800	Minu
Truck Load Time	-	Minutes	•	for site altitude:	1.832	Minu
ck Maneuver and Dump Time		Minutes	•	for site altitude:	1.200	Minu
r		<u> </u>	· J			-

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4912.00	-9.20	3.00	-6.20	1870	2.765

Haul Time: 2.765 minutes

Return Route:

recturn re	rate.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4912.00	9.20	3.00	12.20	1628	3.160

Return Time: 3.160 minutes
Total Truck Cycle Time: 9.757 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 432.94 LCY/Hour Adjusted for job efficiency: 359.34 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 1,437.35 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **39.49** Hours

Unit cost: \$2.171 /LCY Total job cost: \$114,204

Site: Cresson Project	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: <u>M</u>	1980244
PROJECT IDEN	NTIFICATION	ī				
Task #: A030		<u>t</u> State: Colora	ado	Δh	breviation: No	ne
Date: $\frac{A030}{6/29}$		County: Teller				306
User: ERR		·				
Agency o	r organization nar	me: DRMS				
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: <u>1 per day</u>	
			Equipment Descri	ption		
,	Truck Loader Tea		777F			
Sun	oort Equipment -I		T 992K D10T - 10SU			
Supp		ump Area: NA				
Road M	Iaintenance –Mot		T 16M			
	-Wa	ater Truck: Wat	ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team	Support 1	Equipment	Maintenan	nce Equipment
Cost Dicando Will	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
% Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	5	1	1	0	1	1
Group Subtotals:	Work:	\$2,423.66	Support:	\$492.91	Maint:	\$352.41
Total work team co	ost/hour: \$3,268.	98				
MATERIAL QU	<u>JANTITIES</u>					
Initial volume		CCY		factor: 1.215		
Loose volume	e: 65,52	20 LCY	•			
Sc	ource of estimated	l volume: 2022	CC&V Provided	Estimate		
Source	e of estimated swe		Handbook			
	Material Purch	ase Cost: \$0.00 otal Cost: \$0.00				
	10	Jui Cost. <u>φυ.υ</u> (J			
HOURLY PRO	DUCTION					
Truck Capacity:						
Truck Payload (we	ight) Basis:					
Material	weight: 1,600		Pounds/LCY	•		
	ription: Top So		Dounda			
Rated P	ayload: <u>200,00</u>	IU .	Pounds			

	ont a	1 ask # A0500			Page 2 01 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume: _	78.80	LCY				
Fina	l Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Duol	zat Siza Classe - N	IΛ	
Datad Canasitan	16,000	LCV (haanad)	Виск	tet Size Class: N	IA .	_
Rated Capacity: Bucket Fill Factor:	16.000 1.100	LCY (heaped) Other - rock/dirt	mirtures (100	12004) 1 100		_
Adjusted Capacity:	17.600	LCY	illixtures (100	-120%) 1.100		_
Aujusted Capacity.	17.000	LC1				
Job Condition Corrections	<u>:</u>	Sit	e Altitude (ft.): 9	9 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB			
N. G.	0.020	0.813				
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	,	r of Loading Tool Pas	ses Required to l	Fill Truck:	41	passes
	Number		ses Required to l	Fill Truck:	4	passes
Loading Tool Cycle Times Excavators and Front Shove Machine Cycle Times	Number <u>els:</u> vs. Job Conditio	r of Loading Tool Pasn	ses Required to l	Fill Truck:		passes
Excavators and Front Shove Machine Cycle Time Selected Value	Number <u>els:</u> vs. Job Conditio within this Basi	r of Loading Tool Pas n Rating: <u>NA</u> c Rating: <u>NA</u>	ses Required to l	Fill Truck:	4 1	passes
Loading Tool Cycle Times Excavators and Front Shove Machine Cycle Times	Number els: vs. Job Conditio within this Basi Material Descr	r of Loading Tool Pas n Rating: <u>NA</u> c Rating: <u>NA</u>	ses Required to l	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders -	Number Nu	r of Loading Tool Pas n Rating: <u>NA</u> c Rating: <u>NA</u>	ses Required to I	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.)	Number els: vs. Job Conditio within this Basi Material Descr :	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA		Dump:0.100)	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Number els: vs. Job Conditio within this Basi Material Descr :	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA		Dump: 0.100) .625 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors	Number Ves. Job Conditio Within this Basi Material Descr 	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA Ianeuver: NA		Dump:0.100) .625 min Source	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Number Ves. Job Conditio Within this Basi Material Descr Unadjusted Ba	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA Ianeuver: NA	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.)) .625 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material:	Number Vs. Job Conditio within this Basi Material Descr : Unadjusted Ba Mixed materi No adjustmen	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Tin ial 0.02	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020).625 min Source (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Number Number No Adjustmer Common own	n Rating: NA c Rating: NA iption: NA asic Loader Cycle Tin ial 0.02 nt - factor not applicate tracking of trucks and ration -0.04	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Vs. Job Conditio within this Basi Material Descr Unadjusted Basi Mixed materi No adjustmer Common own	n Rating: NA CRATING: NA	ne (load, dump, noble 0.00 loaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Number Number No Adjustmer Common own	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Tin ial 0.02 nt - factor not applicate the reship of trucks and ration -0.04 et 0.00 Net Cycle Tim	ne (load, dump, noble 0.00 loaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Number Number No Adjustmer Common own	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Tin ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loade	ne (load, dump, noble 0.00 loaders -0.04 loa	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Number Number No Adjustmer Common own	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Tin ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loade	ne (load, dump, noble 0.00 loaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Number Number No Adjustmer Common own	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Tin ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loade	ne (load, dump, noble 0.00 loaders -0.04 loa	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Number Number No. Job Condition within this Basin Material Describing: - Unadjusted Basin Mixed material No. adjustment Common own Constant open Nominal targ	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Tin ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loade	ne (load, dump, noble 0.00 loaders -0.04 loa	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Number No. Job Condition within this Basis Material Describing: - Unadjusted Basis Mixed material No. adjustment Common own Constant open Nominal targetter.	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Tin ial 0.02 nt - factor not applicat nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loade Net Load Ti	ne (load, dump, no loaders -0.04 loaders -0.04 loaders - Cycle Time: Majusted loaders - Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time:	Number Number Number No. Job Condition within this Basis Material Describing Material Describing No. Mixed material No. adjustment Common own Constant open Nominal targette No. 80 E: 0.80 E: 1.795	n Rating: NA c Rating: NA iption: NA Idaneuver: NA asic Loader Cycle Tin ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loade Net Load Ti Minutes	ne (load, dump, no loaders -0.04 loaders -0.04 loaders -0.04 loaders -me per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	6407.00	-9.60	3.00	-6.60	1411	4.780

Haul Time: 4.780 minutes

Return Route:

Return Route.						
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	6407.00	9.60	3.00	12.60	1467	4.463

Return Time: 4.463 minutes
Total Truck Cycle Time: 13.075 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

323.07 LCY/Hour Adjusted for job efficiency: 268.15 LCY/Hour

Optimal No. of Trucks: 5 Truck(s) Selected Number of Trucks: 5 Truck(s)

Adjusted hourly truck team production: 1,340.73 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 49.18 Hours

Unit cost: \$2.454 /LCY Total job cost: \$160,772

Task description:		Mine Area - To Permit Action						
Site: Cresson Project		M1980244			Permit/Job#: <u>M1980244</u>			
PROJECT IDEN	NTIFICATION	[
Task #: A030)7	State: Colora	ado	Ab	breviation: No	ne		
Date: 6/29/	2025	County: Teller			Filename: A0	307		
User: ERR								
Agency o	r organization nar	ne: DRMS						
HOURLY EQU	IPMENT COS	<u>r</u>		Shift bas	is: 1 per day			
Equipment Description								
,	Truck Loader Team -Truck: Cat 777F -Loader: CAT 992K							
Supi	port Equipment -I		D10T - 10SU					
	-D	ump Area: NA						
Road M	Iaintenance – Mot		T 16M ter Tanker, 7,000	Cal				
	- VV 2	tter fruck: wa	ter Tanker, 7,000	Gai.				
Cost Breakdown:	Truck/Lo	ader Team	Support l	Equipment	Maintenan	nce Equipment		
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck		
%Utilization-machine:	100	100	100	NA	25	25		
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42		
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80		
%Utilization-riper:	NA	0	NA	NA	NA	NA		
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00		
Ripper op. cost/hour:	NA #25.24	\$0.00	\$0.00	NA	\$0.00	\$0.00		
Operator cost/hour: Unit Subtotals:	\$25.24	\$36.85	\$38.59	NA NA	\$27.76	\$21.12		
Number of Units:	\$377.15	\$537.91	\$492.91	NA 0	\$237.06	\$115.35		
Group Subtotals:	6 Work:	\$2,800.81	Support	\$492.91	1 Maint:	\$352.41		
-			Support:	\$492.91	Maiit.	\$332.41		
Total work team co	ost/hour: \$3,646.	13						
MATERIAL QU	JANTITIES							
•		CCV	C 11	C 1 015				
Initial volume Loose volume		CCY 63 LCY		factor: 1.215				
				Estimata				
	ource of estimated swe		CC&V Provided Handbook	Estillate				
	Material Purch							
	To	otal Cost: \$0.00)					
HOURLY PRO	DUCTION							
Truck Capacity:								
Truck Capacity: Truck Payload (we	ight) Basis:							
Material	weight: 1,600		Pounds/LCY	•				
	ription: Top So		Dougda					
Rated P	ayload: <u>200,00</u>	IU .	Pounds					

Truck/Loader Worksheet C	Cont'd	Task # A0307	1		Page 2 of 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Fin	al Truck Volum	e Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity						
Louding 1001 Capacity			Dual	tet Size Class: N	JA	
D. (. 1 C	16,000	I CW (h 1)	Duck	let Size Class. N	A	_
Rated Capacity: Bucket Fill Factor:	<u>16.000</u> 1.100	LCY (heaped) Other - rock/dir	t mixtures (100	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY	i illixtures (100-	-120%) 1.100		=
Adjusted Capacity.	17.000	LCI				
Job Condition Correction	<u>ıs:</u>	Si	te Altitude (ft.): 9	<u>9500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time	e• Numb	er of Loading Tool Pas	sses Required to I	Fill Truck:	4 r	oasses
Excavators and Front Show		or ar bounding room and	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		r	
Machine Cycle Time		-				
	e within this Bas – Material Desc	e				
Cycle Time Elements (min						
Load: NA		Maneuver: NA		Dump: 0.100)	
Wheel and Track Loaders	s - Unadjusted B	asic Loader Cycle Tin	ne (load, dump, n	naneuver):0	0.625 minu	utes
Cycle Time Factors	s <u> </u>			Factor (min.)	Source	
Material	: Mixed mater			0.020	(Cat HB)	
Stockpile	: No adjustme	ent - factor not applica	11 0 00	0.000		
m 10 11				0.000	(Cat HB)	_ _ _
Truck Ownership		vnership of trucks and		-0.040	(Cat HB)	
Operation	: Constant op	vnership of trucks and eration -0.04		-0.040 -0.040	(Cat HB) (Cat HB)	— — —
	: Constant op	vnership of trucks and eration -0.04 get 0.00	loaders -0.04	-0.040 -0.040 0.000	(Cat HB) (Cat HB) (Cat HB)	
Operation	: Constant op	vnership of trucks and eration -0.04 get 0.00 Net Cycle Tim	loaders -0.04 ne Adjustment:	-0.040 -0.040 0.000 -0.060	(Cat HB) (Cat HB) (Cat HB) minutes	
Operation	: Constant op	vnership of trucks and eration -0.04 get 0.00 Net Cycle Tim Adjusted Loade	loaders -0.04 ne Adjustment:	-0.040 -0.040 0.000	(Cat HB) (Cat HB) (Cat HB)	——————————————————————————————————————
Operation	: Constant op	vnership of trucks and eration -0.04 get 0.00 Net Cycle Tim Adjusted Loade	ne Adjustment:er Cycle Time:	-0.040 -0.040 0.000 -0.060 0.565	(Cat HB) (Cat HB) (Cat HB) minutes minutes	
Operation: Dump Target:	: Constant op : Nominal tar	vnership of trucks and eration -0.04 get 0.00 Net Cycle Tim Adjusted Loade	ne Adjustment: _er Cycle Time: _ime per Truck:	-0.040 -0.040 0.000 -0.060 0.565	(Cat HB) (Cat HB) (Cat HB) minutes minutes	Min
Operation: Dump Target: Truck Cycle Time:	: Constant operation: Nominal targetime: 0.80	vnership of trucks and eration -0.04 get 0.00 Net Cycle Tim Adjusted Loade Net Load Ti	ne Adjustment: _er Cycle Time: _ime per Truck: _	-0.040 -0.040 0.000 -0.060 0.565 1.795	(Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	Mir - Mir

Haul Route:

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	9080.00	-8.90	3.00	-5.90	1870	5.111

Haul Time: 5.111 minutes

Return Route:

Retain Route.							
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	9080.00	8.90	3.00	11.90	1628	5.709	

Return Time: 5.709 minutes
Total Truck Cycle Time: 14.652 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour

Truck Unit Production

288.30 LCY/Hour Adjusted for job efficiency: 239.29 LCY/Hour

Optimal No. of Trucks: _____6 Truck(s) Selected Number of Trucks: ____6 Truck(s)

Adjusted hourly truck team production: 1,435.71 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 19.11 Hours

Unit cost: \$2.737 /LCY Total job cost: **\$69,688**

BULLDOZER WORK

: Cresson Project		Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
DD 0 15 05		N.	•			
PROJECT IDEN		<u>JN</u>				
Task #:A0308		State:	Colorado		Abbreviation:	None
Date: <u>6/29/2</u>	025	County:	Teller		Filename:	A0308
User: ERR						
Agency or	organization	name: DF	RMS			
HOURLY EQUI	PMENT CO	<u>OST</u>				
Basic Machine:	Cat D7R D	S Series II L	GP			
Horsepower:	240			<u> </u>		
Blade Type:	Straight					
Attachment:	NA					
Shift Basis:	1 per day					
Data Source:	(CRG)			<u> </u>		
Cost Breakdown:						
Cool Dioundowii.				Utilization %		
Ownership Cost/H	our:		\$90.24	NA		
Operating Cost/H			\$78.95	100		
Ripper own. Cost/H			\$0.00	NA		
Ripper op. Cost/He	our:		\$0.00	25		
Operator Cost/He	our:		\$38.59	NA		
Total unit Cost/Hour						
Total Fleet Cost/Hor	ır: \$207. '	78				
MATERIAL OU	ANDIDIES					
MATERIAL QU	ANIIIES					
Initial Volume: _	283,020					
Swell factor:	1.215					
Loose volume:	343,869 LCY	<i>I</i>	<u></u>			
Source of estimated	volume:	2022 CC	&V Provided	l Estimate		
Source of estimated		Cat Hand		Listimate		
	5 ., C11 14C to1.					
HOURLY PROD	UCTION					
Average push distan		220 feet				
Unadjusted hourly p	roduction: _	266.4 LCY	hr			
Materials consistence	y description	Loose	stockpile 1.2			
A	t. 20.0/					
Average push gradie						
Average site altitude	9,500	reet				
Material weight:	1,600	lbs/LCY			<u></u>	
Weight description:	Top S	oil				
Job Condition Corre	ction Factor			Source		
Oper	ator Skill:	0.	750	(AVG.)		
Material co	nsistency:	1.	200	(CAT HB)		
ъ.	a method:	1	000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 366.51 LCY/hr
Adjusted fleet production: 366.51 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.567/LCY

Total job time: 938.23 Hours
Total job cost: \$194,940

BULLDOZER RIPPING WORK

Task description:	ECOSA Mine Are	a - Topsoi	l - Ripping				
Site: Cresson Project	Perm	it Action:	2025 Update M1980244	P	ermit/Job#:	M198024	4
PROJECT IDENTIFI	<u>CATION</u>						
Task #: A0309 Date: 6/29/2025 User: ERR		Colorado Teller			oreviation: _ Filename: _	None A0309	
Agency or organ	ization name: <u>DRN</u>	AS					
HOURLY EQUIPME	NT COST						
Basic Machine:	Cat D7R DS Serie	es II LGP		Horsepower:	2	240	
Ripper Attachment:	3-Shank Ripper			Shift Basis:		er day	
				Data Source:	(C	RG)	
Cost Breakdown:				Utilization %			
Owner	ship Cost/Hour:		\$90.24	NA			
			\$78.95	100	_		
			\$9.25	NA	=		
	ating Cost/Hour:		\$5.20 \$38.59	100	_		
<u>-</u>	rator Cost/Hour: Unit Cost/Hour:		\$222.23	NA	_		
			<u> </u>				
Total I	Fleet Cost/Hour:	\$222	2.23				
MATERIAL QUANT	<u>ITIES</u>	Sele	ected estimating	g method: Are	a		
Alternate Methods:							
smic: NA	Bank	Volume:	NA	BCY]	NA	
Area: 350.85 acr	es Rip Do	epth (ft):	2.50	Volume:	1,415,095]	BCY or C
HOURLY PRODUCT Seismic:	Seismic Veloci	its:	NA	feet/sec	cond		
	Scisific veloci		IVA	100/300	Conu		
Area:	Average Ripping Dep	ıth•	2.45	feet/pas	ee		
	Average Ripping Wid		6.50	feet/pas			
	Average Ripping Leng	gth:	501.00	feet/pas			
	Average Dozer Spe		88.00	feet/mi			
	verage Maneuver Tir Production per unit ar		0.25 0.755	minutes acres/h	-		
	-	ca	0.733	acres/ii	Oui		
Job Condition Correction			0.77				
Unadjusted	Hourly Unit Production	on:	0.755	Acres/h	nr		
	Site Altitu		9,500	feet	(ID)		
	Altitude A Job Efficien	-	1.00 0.83	(CAT I (1 shift			
	Net Correction	•	0.83	(1 siint multipl	•		
Au	djusted Hourly Unit P ljusted Hourly Fleet P		0.63 0.63	Acres/hr Acres/hr			
	ljusted Hourly Fleet P						
JOB TIME AND COS Fleet size: 1	ljusted Hourly Fleet P			Acres/hr	560.08	Hou	rs

BULLDOZER WORK

Task description:	E. Cre	esson Mine	Alea - I lie	Develing Mass Gradi	ıg	
: Cresson Project		Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENT	TIFICATIO	N				
Task #: A0400 Date: 6/29/20 User: ERR	25	State: County:	Colorado Teller		Abbreviation: Filename:	None A0400
Agency or o	rganization n	ame: DF	RMS			
HOURLY EQUIP	MENT CO	ST				
	Cat D10T - 1					
-	574	. 0.0 0		<u>—</u>		
	Semi-Univer	rsal		<u> </u>		
	NA	sai		<u> </u>		
—						
	1 per day			_		
Data Source:	(CRG)			<u> </u>		
Cost Breakdown:						
Cost Broakdo Wil				Utilization %		
Ownership Cost/Hor	ır.		\$257.39	NA		
			\$196.93			
Operating Cost/Hot				100		
Ripper own. Cost/Hou			\$0.00	NA .		
Ripper op. Cost/Hor			\$0.00	0		
Operator Cost/Hor	ır:		\$38.59	NA		
Swell factor: 1	.000		<u> </u>			
Loose volume: 4	73 LCY					
Source of estimated v Source of estimated so HOURLY PRODU	well factor:	2022 CCc Cat Hand	&V Provided book	l Estimate		
Average push distance	۵۰ ا					
Unadjusted hourly pro		50 feet 2,748.7 LC	Y/hr			
Unadjusted hourly pro Materials consistency	oduction:	2,748.7 LC		or blasted 0.6		
	description:	2,748.7 LC Rock, j		or blasted 0.6		
Materials consistency Average push gradien	description: t:	2,748.7 LC Rock, j		or blasted 0.6		
Materials consistency Average push gradien Average site altitude:	description: t:10 % 9,500 f 2,800 I	2,748.7 LC Rock, j		or blasted 0.6		
Materials consistency Average push gradien Average site altitude: Material weight: Weight description: Job Condition Correct	description: t: -10 %	Rock, J eet bs/LCY - Broken	poorly ripped	Source		
Materials consistency Average push gradien Average site altitude: Material weight: Weight description: Job Condition Correct Opera	description: t:10 % 9,500 f 2,800 I	Rock, J eet bs/LCY - Broken 0.	750	Source (AVG.)		
Materials consistency Average push gradien Average site altitude: Material weight: Weight description: Job Condition Correct	description: t:10 % 9,500 f 2,800 I	Rock, J eet bs/LCY - Broken 0.	poorly ripped	Source		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3606

Adjusted unit production: 991.18 LCY/hr
Adjusted fleet production: 1982.36 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.497/LCY

Total job time: 0.24 Hours
Total job cost: \$235

BULLDOZER WORK

	Permit Acti	on: 2025 Update	
Cresson Project		M1980244	Permit/Job#: M1980244
PROJECT IDENTIFICA	<u>TION</u>		
Task #: A0401	State: Color	ado	Abbreviation: None
Date: 6/29/2025	County: Teller	•	Filename: A0401
User: ERR			
Agency or organizat	ion name: DRMS		
HOURLY EQUIPMENT			
· · · · · · · · · · · · · · · · · · ·	R DS Series II LGP		
Horsepower: 240			
Blade Type: Straight			
Attachment: NA			
Shift Basis: 1 per da	ıy		
Data Source: (CRG)			
Cost Breakdown:			
		Utilization %	
Ownership Cost/Hour:	\$90		
Operating Cost/Hour:	\$78	.95 100	
Ripper own. Cost/Hour:	\$0	.00 NA	
Ripper op. Cost/Hour:	\$0	.00 0	
Operator Cost/Hour:	\$38	.59 NA	
MATERIAL QUANTITI	<u>ES</u>		
Initial Volume: 53			
Swell factor: 1.000			
Loose volume: 53 LCY			
Source of estimated volume:	2022 CC&V Prov	vided Estimate	
Source of estimated swell fact		vided Estimate	
source of estimated swell rue.	- Cut Hundook		
HOURLY PRODUCTION	N		
			
Average push distance:	50 feet		
Unadjusted hourly production	: 800.0 LCY/hr		
Materials consistency descript	tion: Rock, poorly ri	pped or blasted 0.6	
Average push gradient: -1	0 %		
	500 feet		
11 verage site artitude.			
Material weight: 2,9	800 lbs/LCY		<u> </u>
Weight description: Gr	ranite - Broken		
Job Condition Correction Fac		Source	
Operator Skill		(AVG.)	
Material consistency		(CAT HB))
Dozing method	. 1,000	(GEN.)	

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3005

Adjusted unit production: 240.40 LCY/hr
Adjusted fleet production: 240.4 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.864/LCY

Total job time: 0.22 Hours
Total job cost: \$46

BULLDOZER WORK

Task description:	E. C	resson Mine	Area - 40 -	400 ft Lift - Mass Grad	ing
: Cresson Project		Per	mit Action:	2025 Update M1980244	Permit/Job#: <u>M1980244</u>
PROJECT IDEN	TIFICATION	ON			
Task #: A040 Date: 6/29/2 User: ERR	2	State: County:	Colorado Teller		Abbreviation: None Filename: A0402
Agency or	organization	name: DF	RMS		
HOURLY EQUI	PMENT CO	OST			
Basic Machine:	Cat D10T -				
Horsepower:	574	1050		_	
Blade Type:	Semi-Unive	ercal		<u>—</u>	
Attachment:	NA	7341		<u>—</u>	
Shift Basis:				_	
	1 per day				
Data Source:	(CRG)			<u> </u>	
Cost Breakdown:					
				Utilization %	
Ownership Cost/H	our:		\$257.39	NA	
Operating Cost/H			\$196.93	100	
Ripper own. Cost/H			\$0.00	NA	
Ripper op. Cost/H			\$0.00	0	
	· ·				
Operator Cost/H	our:		\$38.59	NA	
MATERIAL QU Initial Volume: Swell factor:	3,262,245 1.000				
Loose volume:	3,262,245 Lo	CY			
Source of estimated Source of estimated HOURLY PROD	swell factor:	2022 CC Cat Hand	&V Provided	1 Estimate	
		210.0			
Average push distar Unadjusted hourly p		210 feet 904.4 LCY	/hr		
Materials consistence	cy description	: Loose	stockpile 1.2		
Average push gradio Average site altitude					
Material weight:	2,800	lbs/LCY			_
Weight description:	Grani	te - Broken			
Job Condition Corre		•	750	Source	
	rator Skill:		.750	(AVG.)	
Material co			200	(CAT HB)	
Dozir	ng method:	1.	.200	(S-BY-S)	

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7212

Adjusted unit production: 652.25 LCY/hr
Adjusted fleet production: 1304.5 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.756/LCY

Total job time: 2,500.76 Hours
Total job cost: \$2,465,279

BULLDOZER WORK

: Cresson Project		Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
Cressul Project				111700277	1 CIIIII/JUU#.	1111700244
PROJECT IDEN	TIFICATION	ON				
Task #: A040		State:	Colorado		Abbreviation:	None
Date: $\frac{A040}{6/29/2}$		County:	Teller		Filename:	A0403
User: ERR	2023	County.	TCHCI		Thename.	A0403
-						
Agency or	organization	name: DF	RMS			
HOURLY EQUI	PMENT CO	<u>DST</u>				
Basic Machine:	Cat D7R D	S Series II L	GP			
Horsepower:	240					
Blade Type:	Straight			<u> </u>		
Attachment:	NA			<u> </u>		
Shift Basis:	1 per day			_		
Data Source:	(CRG)			_		
Cost Desaltdores				<u>—</u>		
Cost Breakdown:				Utilization %		
Ownership Cost/H	our.		\$90.24	NA		
Operating Cost/H			\$78.95	100		
Ripper own. Cost/H			\$0.00	NA	<u></u>	
Ripper op. Cost/H			\$0.00	0		
Operator Cost/H			\$38.59			
Operator Cost/11	.our.		\$30.39	NA		
Total unit Cost/Hou Total Fleet Cost/Ho						
10tal 11eet Cosy110	u1. <u>ψ207.</u>	70				
MATERIAL QU	<u>ANTITIES</u>					
Initial Volume:	287,794					
Swell factor:	1.000					
Loose volume:	287,794 LC	Y				
Source of estimated	1	2022 CC	~ &V Provided	1 Estimata		
Source of estimated		Cat Hand		Estimate		
Source of estimated	swell factor.	Cat Hailu	DOOK			
HOURLY PROD	HCTION					
Average push distar		400 feet				
Unadjusted hourly p	oroduction:	180.4 LCY/	'hr			
Materials consistence	cy description	: Consol	idated stock	pile 1.0		
Augraga much and 1:	ant: 20.0/					
Average push gradie						
Average site altitude	e: 9,500	reet				
Material weight:	_2,800	lbs/LCY			_	
Weight description:	Grani	te - Broken				
Job Condition Corre	ection Factor			Source		
Ope	rator Skill:	0.	750	(AVG.)		
Material co		1.	000	(CAT HB)		
	ng method:	1	000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6546

Adjusted unit production: 118.09 LCY/hr
Adjusted fleet production: 118.09 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.759/LCY

Total job time: 2,437.07 Hours
Total job cost: \$506,364

TRUCK/LOADER TEAM WORK

Site: Cresson Project	ţ	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	NTIFICATION	[
Task #: _ A040)4	State: Colora	ado	Ab	breviation: No	ne
Date: 6/29/	2025	County: Teller			Filename: A0	404
User: ERR						
Agency of	r organization nar	ne: DRMS				
HOURLY EQUI	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day	
			Equipment Descri	ption		
,	Truck Loader Tea		777F T 992K			
Supp	oort Equipment -I		D10T - 10SU			
	-D	ump Area: NA				
Road M	Iaintenance –Mot		T 16M ter Tanker, 7,000	Gal		
	- ** 2	iter fruck. Wat	ter ranker, 7,000	Gai.		
Cost Breakdown:		ader Team		Equipment		ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour: %Utilization-riper:	\$152.44 NA	\$230.31 0	\$196.93 NA	NA NA	\$29.91 NA	\$20.80 NA
Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team co	ost/hour: \$2,514.	68				
MATERIAL QU	<u>JANTITIES</u>					
Initial volume		CCY		factor: 1.215		
Loose volume	e: <u>12,42</u>	LCY				
	ource of estimated		CC&V Provided	Estimate		
Source	e of estimated swe Material Purch		Handbook)			
		otal Cost: \$0.00				
HOUDI V DD	DUCTION					
HOURLY PRO	DUCTION					
Truck Capacity:	ight) Posis					
<u>Truck Payload (we</u> Material y			Pounds/LCY			
Desc	ription: Top So					
Rated P	ayload: <u>200,00</u>	0	Pounds			

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:		LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
	Truck Volume	Based on Number of Lo	oader Passes:	70.40	LCY	
Loading Tool Capacity			Buck	tet Size Class: N	A	
Rated Capacity:	16.000	LCY (heaped)	Buck	et bize class.	7.1	_
Bucket Fill Factor:	1.100	Other - rock/dirt m	ixtures (100-	-120%) 1 100		_
Adjusted Capacity:	17.600	LCY	intuics (100	12070) 1.100		=
rajusteu cupucity	17,000					
Job Condition Corrections:	<u>L</u>	Site A	Altitude (ft.): 9	<u>9500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	of Loading Tool Passes	s Required to I	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time v		n Rating: NA				
Selected Value						
Selected Value v Track Loaders –						
	Material Descri					
Track Loaders –	Material Descri			Dump: 0.100	ı	
Track Loaders – Cycle Time Elements (min.):	Material Descri M	ption:aneuver:NA		Dump: 0.100	625 min	utes
Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders -	Material Descri M	ption:aneuver:NA		Dump: 0.100	.625 min	utes
Track Loaders – Cycle Time Elements (min.): Load: NA	Material Descri M Unadjusted Ba	ption:aneuver:NA		Dump: 0.100	 ,	utes
Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors	Material Descri M Unadjusted Ba	ption: aneuver: NA sic Loader Cycle Time to 3/4" diameter -0.02		Dump: 0.100 naneuver): 0. Factor (min.)	625 min	utes
Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material:	Material Descri M Unadjusted Base Material 1/8" Dumped by tr	ption: aneuver: NA sic Loader Cycle Time to 3/4" diameter -0.02	(load, dump, n	Dump: 0.100 naneuver): 0. Factor (min.) -0.020	625 min Source (Cat HB)	utes
Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Material Descri M Unadjusted Base Material 1/8" Dumped by tr Common own Constant oper	aneuver: NA sic Loader Cycle Time to 3/4" diameter -0.02 uck 0.02 tership of trucks and loadation -0.04	(load, dump, n	Dump: 0.100 naneuver): 0. Factor (min.) -0.020 0.020 -0.040 -0.040	Source (Cat HB) (Cat HB)	utes
Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership:	Material Descri M Unadjusted Base Material 1/8" Dumped by tr Common own	aneuver: NA sic Loader Cycle Time to 3/4" diameter -0.02 uck 0.02 tership of trucks and loatation -0.04 et 0.00	(load, dump, n	Dump: 0.100 naneuver): 0. Factor (min.) -0.020 0.020 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	utes
Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Material Descri M Unadjusted Base Material 1/8" Dumped by tr Common own Constant oper	aneuver: NA sic Loader Cycle Time to 3/4" diameter -0.02 uck 0.02 tership of trucks and load attion -0.04 et 0.00 Net Cycle Time	(load, dump, n	Dump: 0.100 naneuver): 0. Factor (min.) -0.020 0.020 -0.040 -0.040 0.000 -0.080	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	utes
Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Material Descri M Unadjusted Base Material 1/8" Dumped by tr Common own Constant oper	aneuver: NA sic Loader Cycle Time to 3/4" diameter -0.02 uck 0.02 tership of trucks and loatation -0.04 et 0.00	(load, dump, n aders -0.04 Adjustment: Cycle Time:	Dump: 0.100 naneuver): 0. Factor (min.) -0.020 0.020 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	utes
Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Material Descri M Unadjusted Base Material 1/8" Dumped by tr Common own Constant oper	aneuver: NA sic Loader Cycle Time to 3/4" diameter -0.02 uck 0.02 tership of trucks and loation -0.04 et 0.00 Net Cycle Time Adjusted Loader ((load, dump, n aders -0.04 Adjustment: Cycle Time:	Dump: 0.100 naneuver): 0. Factor (min.) -0.020 0.020 -0.040 -0.040 0.000 -0.080 0.545	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes
Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Material Descri M Unadjusted Base Material 1/8" Dumped by tr Common own Constant oper Nominal targe	aneuver: NA sic Loader Cycle Time to 3/4" diameter -0.02 uck 0.02 tership of trucks and loation -0.04 et 0.00 Net Cycle Time Adjusted Loader ((load, dump, n aders -0.04 Adjustment: _ Cycle Time: _ e per Truck: _	Dump: 0.100 naneuver): 0. Factor (min.) -0.020 0.020 -0.040 -0.040 0.000 -0.080 0.545	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Material Descri M Unadjusted Base Material 1/8" Dumped by tr Common own Constant oper Nominal targe : 0.80	aneuver: NA sic Loader Cycle Time to 3/4" diameter -0.02 uck 0.02 tership of trucks and load ation -0.04 et 0.00 Net Cycle Time Adjusted Loader Control Net Load Time	(load, dump, n aders -0.04 Adjustment: Cycle Time: e per Truck: Adjusted	Dump: 0.100 naneuver): 0. Factor (min.) -0.020 0.020 -0.040 -0.040 0.000 -0.080 0.545 1.735	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes Minute

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3294.00	-0.10	3.00	2.90	2409	1.782

Haul Time: 1.782 minutes

Return Route:

1 Cturii I C	Return Route.							
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)		
1	3294.00	0.10	3.00	3.10	3503	1.218		

Return Time: 1.218 minutes
Total Truck Cycle Time: 6.770 minutes

Loading Tool unit

Production 1,643.32 LCY/Hour Adjusted for job efficiency: 1,363.95 LCY/Hour

Truck Unit Production

623.89 LCY/Hour Adjusted for job efficiency: 517.83 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,553.49 LCY/Hour Adjusted single truck/loader team production: 1,363.95 LCY/Hour Adjusted multiple truck/loader team production: 1,363.95 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 9.11 Hours

Unit cost: \$1.844 /LCY Total job cost: **\$22,911**

TRUCK/LOADER TEAM WORK

Task description:	E. Cres	son Mine Area - '	Topsoil - Lift 3 -	Transport				
Site: Cresson Projec	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244		
PROJECT IDE Task #: A04 Date: 6/29 User: ERR	05 /2025	State: Colora County: Teller	ado	Ab	breviation: No. Filename: A0.			
Agency o	or organization nar	me: DRMS						
HOURLY EQU	IPMENT COS				is: <u>1 per day</u>			
	Equipment Description Truck Loader Team -Truck: Cat 777F							
C	-Loader: CAT 992K Support Equipment -Load Area: Cat D10T - 10SU							
Sup		ump Area: NA	D101 - 1080					
Road N	Maintenance – Mot		Γ 16M ter Tanker, 7,000	Col				
	- ٧٧ 2	iter Truck. wat	ter Tanker, 7,000	Gai.				
Cost Breakdown:	Truck/Lo	ader Team Loader	Support l Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck		
%Utilization-machine:	100	100	100	NA	25	25		
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42		
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80		
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00		
Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00		
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12		
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35		
Number of Units:	3	1	1	0	1	1		
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41		
MATERIAL QU	<u>UANTITIES</u>		Swall	footon 1215				
Initial volum Loose volum	e: 10,41			factor: 1.215				
	ource of estimated e of estimated swe Material Purch To	ell factor: Cat I		Estimate				
HOURLY PRO	<u>ODUCTION</u>							
Truck Capacity: Truck Payload (we	eight) Basis:							
Material	weight: 1,600		Pounds/LCY					
	eription: Top So Payload: 200,00		Pounds					

Truck/Loader Worksheet Con						
Payload Capacity: _	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:		LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
	Truck Volume	Based on Number of	f Loader Passes:	70.40	LCY	
<u>Loading Tool Capacity</u>						
			Buck	tet Size Class: N	NA .	_
Rated Capacity: _	16.000	LCY (heaped)				_
Bucket Fill Factor:	1.100		t mixtures (100-	-120%) 1.100		_
Adjusted Capacity: _	17.600	LCY				
Job Condition Corrections:	_	Si	te Altitude (ft.): 9	<u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB	·		
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Numbe	0.813 r of Loading Tool Pa	sses Required to I	Fill Truck:	4 I	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v	Numbers: S. Job Conditio	r of Loading Tool Pa on Rating: NA	sses Required to I	Fill Truck:	4I	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v	Numbe ls: s. Job Conditio vithin this Basi	r of Loading Tool Pa on Rating: NA ic Rating: NA			4I	passes
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders –	Numbers Number	r of Loading Tool Pa on Rating: NA ic Rating: NA	sses Required to I		4I	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v	Numbers ls: s. Job Condition within this Basin Material Descr	r of Loading Tool Pa on Rating: NA ic Rating: NA				passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.):	Numbersels: s. Job Condition within this Basi Material Descr	on Rating: NA ic Rating: NA ription: Maneuver: NA	·	Dump:0.100		
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders –	Numbersels: s. Job Condition within this Basi Material Descr	on Rating: NA ic Rating: NA ription: Maneuver: NA	·	Dump: 0.100	0 0.625 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA	Numbersels: s. Job Condition within this Basi Material Descr M Unadjusted Ba	on Rating: NA ic Rating: NA ription: Maneuver: NA	ne (load, dump, n	Dump:0.100	0	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors	Numbersels: s. Job Condition within this Basi Material Descr M Unadjusted Ba	r of Loading Tool Pa on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Tin ' to 3/4" diameter -0.0	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.)	0 0.625 minu Source	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbers Is: s. Job Condition within this Basin Material Descr Munadjusted Basin Material 1/8" Dumped by the Common owe	r of Loading Tool Pa on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Tin to 3/4" diameter -0.0 ruck 0.02 nership of trucks and	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) -0.020 0.020 -0.040	0	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbers Sistem	on Rating: NA ic Ration -0.04	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) -0.020 0.020 -0.040 -0.040	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbers Is: s. Job Condition within this Basin Material Descr Munadjusted Basin Material 1/8" Dumped by the Common owe	on Rating: NA ic Ration: NA ic Ration -0.04	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) -0.020 0.020 -0.040 -0.040 0.000	0	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbers Sistem	r of Loading Tool Pa on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Tin ' to 3/4" diameter -0.0 ruck 0.02 nership of trucks and oration -0.04 tet 0.00 Net Cycle Tin	me (load, dump, n 02 loaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) -0.020 0.020 -0.040 -0.040 0.000 -0.080	0	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbers Sistem	r of Loading Tool Pa on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Tin ' to 3/4" diameter -0.6 ruck 0.02 nership of trucks and oration -0.04 get 0.00 Net Cycle Tin Adjusted Load	ne (load, dump, n)2 loaders -0.04 ne Adjustment: er Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) -0.020 0.020 -0.040 -0.040 0.000 -0.080 0.545	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Numbers Sistem	r of Loading Tool Pa on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Tin ' to 3/4" diameter -0.6 ruck 0.02 nership of trucks and oration -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, n 02 loaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) -0.020 0.020 -0.040 -0.040 0.000 -0.080	0	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number States Nu	r of Loading Tool Pa on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Tin ' to 3/4" diameter -0.0 ruck 0.02 nership of trucks and ration -0.04 get 0.00 Net Cycle Tin Adjusted Load Net Load T	ne (load, dump, n 02 loaders -0.04 ne Adjustment: _ er Cycle Time: _ ime per Truck: _	Dump: 0.100 naneuver): 0 Factor (min.) -0.020 0.020 -0.040 -0.040 0.000 -0.080 0.545 1.735	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time: Truck Exchange Time	Number State Number Number Number State Number State Number State Number Number Number Number State Number St	r of Loading Tool Pa on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Tin ruck 0.02 nership of trucks and ration -0.04 get 0.00 Net Cycle Tin Adjusted Load Net Load T Minutes	ne (load, dump, no loaders -0.04 loaders -0.	Dump: 0.100 naneuver): 0 Factor (min.) -0.020 0.020 -0.040 0.000 -0.080 0.545 1.735 for site altitude:	O Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.800	utes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number	r of Loading Tool Pa on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Tin ' to 3/4" diameter -0.0 ruck 0.02 nership of trucks and ration -0.04 get 0.00 Net Cycle Tin Adjusted Load Net Load T	ne (load, dump, n 102 loaders -0.04 ne Adjustment: er Cycle Time: ime per Truck: Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) -0.020 0.020 -0.040 -0.040 0.000 -0.080 0.545 1.735	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

1.333

3698.00

Haul Route:

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3698.00	-0.10	3.00	2.90	2409	1.950

Haul Time: **1.950** minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min)

3.00

0.10

Return Time: 1.333 minutes
Total Truck Cycle Time: 7.053 minutes

3503

3.10

Loading Tool unit

Production 1,643.32 LCY/Hour Adjusted for job efficiency: 1,363.95 LCY/Hour

Truck Unit Production
598.86 LCY/Hour Adjusted for job efficiency: 497.05 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,491.16 LCY/Hour Adjusted single truck/loader team production: 1,363.95 LCY/Hour Adjusted multiple truck/loader team production: 1,363.95 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **7.64** Hours

Unit cost: \$1.844 /LCY Total job cost: **\$19,208**

TRUCK/LOADER TEAM WORK

Task description:	E. Cres	son Mine Area - '	Topsoil - Lift 4 -	Transport				
Site: Cresson Project	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244		
PROJECT IDE 1 Task #:)6	State: Colora County: Teller	ado	Ab	breviation: No. Filename: A0.			
User: <u>ERR</u> Agency o	r organization na	ne: DRMS						
Ç ,	HOURLY EQUIPMENT COST Shift basis: 1 per day Equipment Description							
Truck Loader Team -Truck: Cat 777F -Loader: CAT 992K Support Equipment -Load Area: Cat D10T - 10SU								
Road N	laintenance –Mot		Γ 16M ter Tanker, 7,000	Gal.				
Cost Breakdown:	Truck/Lo Truck	ader Team Loader	Support Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck		
% Utilization-machine:	100	100	100	NA	25	25		
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42		
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80		
%Utilization-riper:	NA	0	NA	NA	NA	NA		
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00		
Ripper op. cost/hour: Operator cost/hour:	NA \$25.24	\$0.00 \$36.85	\$0.00 \$38.59	NA NA	\$0.00 \$27.76	\$0.00 \$21.12		
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA NA	\$237.06	\$115.35		
Number of Units:	3	1	1	0	1	1		
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41		
Total work team co	JANTITIES							
Initial volume Loose volume	61,13			factor: 1.215				
	ource of estimated e of estimated swo Material Purch To	ell factor: Cat H		Estimate				
HOURLY PRO	<u>ODUCTION</u>							
Truck Payload (we Material Desc	weight: 1,600 ription: Top So		Pounds/LCY					
Rated P	ayload: <u>200,00</u>	0	Pounds					

Truck/Loader Worksheet Co						
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume: _	78.80	LCY				
	l Truck Volume	e Based on Number of	of Loader Passes:	70.40	LCY	
Loading Tool Capacity				a. a		
	4 4 9 9 9	1	Buck	ket Size Class: N	IA .	_
Rated Capacity:	16.000	LCY (heaped)		1200() 1 100		_
Bucket Fill Factor:	1.100 17.600		rt mixtures (100-	-120%) 1.100		=
Adjusted Capacity:	17.000	LCY				
Job Condition Corrections	<u>:</u>	S	ite Altitude (ft.): 9	0 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
	0.830	0.830	(CAT HB)		
Job Efficiency:	0.000		ì			
Net Correction:	0.830	0.813				
Net Correction: Loading Tool Cycle Time	0.830 Numbe	0.813	asses Required to I	Fill Truck:	41	passes
Net Correction:	0.830 Numbe	er of Loading Tool Pa	asses Required to I	Fill Truck:	4	passes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value	0.830 Number Sels: Vs. Job Condition within this Basi	or of Loading Tool Pa on Rating: NA ic Rating: NA	asses Required to I	Fill Truck:	1	passes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders	0.830 Number Sels: Vs. Job Condition within this Basic Material Description.	or of Loading Tool Pa on Rating: NA ic Rating: NA	asses Required to I		41	passes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value	0.830 Number Sels: Vs. Job Condition within this Basic Material Description.	or of Loading Tool Pa on Rating: NA ic Rating: NA			4 1	passes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders	0.830 Number Sels: Vs. Job Conditions Within this Basin Material Description:	or of Loading Tool Pa on Rating: NA ic Rating: NA				passes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.)	0.830 Number State of the	on Rating: NA ic Rating: NA ription: NA		Dump:0.100		
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors	0.830 Number State of the	on Rating: NA ic Rating: NA ription: NA		Dump:0.100)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material:	0.830 Number Sels: Vis. Job Condition within this Basin Material Description: Moreover Material Description: Unadjusted Basin Mixed material Mixed material Mixed material Description:	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020	0.625 minus Source (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	0.830 Number Sels: Vis. Job Condition within this Basin Material Description: Unadjusted Basin Mixed mater No adjustments	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applica	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000	0.625 min Source (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	O.830 Number els: Vis. Job Condition within this Basin Material Description: Unadjusted Basin Mixed mater No adjustment Common ow	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applications of trucks and	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	O.830 Number els: Vs. Job Condition within this Basis of Material Description: Unadjusted Basis of Mixed material No adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applications of trucks and cration -0.04	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	O.830 Number els: Vis. Job Condition within this Basin Material Description: Unadjusted Basin Mixed mater No adjustment Common ow	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applicate rership of trucks and certation -0.04 get 0.00	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	O.830 Number els: Vs. Job Condition within this Basis of Material Description: Unadjusted Basis of Mixed material No adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00 Net Cycle Tin	me (load, dump, n able 0.00 I loaders -0.04 me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) minutes	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	O.830 Number els: Vs. Job Condition within this Basis of Material Description: Unadjusted Basis of Mixed material No adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	O.830 Number els: Vs. Job Condition within this Basis of Material Description: Unadjusted Basis of Mixed material No adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, n able 0.00 d loaders -0.04 me Adjustment: ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	O.830 Number Els: Vs. Job Condition within this Basin Material Description: Unadjusted Basin Mixed matern No adjustment Common ow Constant open Nominal target.	on Rating: NA ic Rating: NA ription: NA ri	me (load, dump, n able 0.00 d loaders -0.04 me Adjustment: ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time	O.830 Number els: Vs. Job Condition within this Basis of Material Description: Unadjusted Basis of Mixed mater of No adjustment Common ow Constant open Nominal target: O.80	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applicate and reaction -0.04 get 0.00 Net Cycle Tin Adjusted Load Net Load T	me (load, dump, n able 0.00 I loaders -0.04 me Adjustment: ler Cycle Time: Cime per Truck: Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.800	utes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	O.830 Number Els: Vs. Job Condition within this Basis Material Description: Unadjusted Basis Mixed mater No adjustment Common ow Constant open Nominal targetter (Section 1988) Els: O.80 Els: O.80 Els: O.80 Els: O.80 Els: O.80	on Rating: NA ic Rating: NA ription: NA ri	me (load, dump, n able 0.00 d loaders -0.04 me Adjustment: ler Cycle Time: Time per Truck: Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4912.00	-0.10	3.00	2.90	2409	2.454

Haul Time: 2.454 minutes

Return Route:

recturn rec	Return Route.							
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)		
1	4912.00	0.10	3.00	3.10	3503	1.680		

Return Time: 1.680 minutes
Total Truck Cycle Time: 7.966 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour

Truck Unit Production

530.28 LCY/Hour Adjusted for job efficiency: 440.13 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,320.39 LCY/Hour Adjusted single truck/loader team production: 1,320.39 LCY/Hour Adjusted multiple truck/loader team production: 1,320.39 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **46.30** Hours

Unit cost: \$1.904 /LCY Total job cost: **\$116,439**

TRUCK/LOADER TEAM WORK

Task description:	E. Cress	son Mine Area - 7	Горsoil - Lift 5 -	Transport		
Site: Cresson Projec	t	Permit Action	2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE	NTIFICATION					
Task #:A04	07	State: Colora	ado	Ab	breviation: No	
Date: 6/29 User: ERR		County: Teller			Filename: A04	407
	or organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	Γ		Shift bas	is: <u>1 per day</u>	
		<u> </u>	Equipment Descri		<u> </u>	
Truck Loader Team - Truck: Cat 777F						
-Loader: CAT 992K Support Equipment -Load Area: Cat D10T - 10SU						
	-Di	ump Area: NA				
Road N	Maintenance –Mot -Wa		Γ 16M er Tanker, 7,000	Gal		
	***	iter fruck. Wat	ci Tunker, 7,000	Oui.		
Cost Breakdown:	Truck/Loa	ader Team Loader	Support l Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
0/				•		
%Utilization-machine: Ownership cost/hour:	100 \$199.47	100 \$270.75	\$257.39	NA NA	25 \$179.39	25 \$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team co	ost/hour: \$2,514.	68				
MATERIAL QU	J ANTITIES					
Initial volum	e: 90,226	CCY	Swell	factor: 1.215		
Loose volume						
S	ource of estimated	l volume:2022	CC&V Provided	Estimate		
Sourc	e of estimated swe		Iandbook			
	Material Purch	ase Cost: \$0.00 otal Cost: \$0.00				
	10		•			
HOURLY PRO	<u>ODUCTION</u>					
Truck Capacity:						
Truck Payload (we						
Material	weight: $\frac{1,600}{\text{Top So}}$	vi1	Pounds/LCY			
Rated F			Pounds			

Truck/Loader Worksheet Co	nt'd	Task # A040	7		Page 2 of 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	e Based on Number of	of Loader Passes:	70.40	LCY	
Loading Tool Capacity						
zouding root empurity			Ruck	et Size Class: N	A	
Rated Capacity:	16.000	LCY (heaped)	Duck	et Size Class.	A	_
Bucket Fill Factor:	1.100	Other - rock/di	rt mixtures (100-	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY	(100	120,0) 1.100		_
Job Condition Corrections	<u>:</u>	S	ite Altitude (ft.): 9	500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Numbe	er of Loading Tool Pa	asses Required to F	Fill Truck:	4 1	passes
Excavators and Front Shove		C	•			
Machine Cycle Time v	s. Job Conditio	on Rating: NA				
Selected Value						
Track Loaders –	Material Desc	ription:				
Cycle Time Elements (min.)	:					
Load: NA	N	Maneuver: NA		Dump: 0.100)	
Wheel and Track Loaders	- Unadjusted B	asic Loader Cycle Ti	me (load, dump, m	naneuver):0	.625 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed mater	rial 0.02		0.020	(Cat HB)	
Stockpile:	No adjustme	ent - factor not applica	able 0.00	0.000	(Cat HB)	
Truck Ownership:		nership of trucks and	l loaders -0.04	-0.040	(Cat HB)	_
Operation:	Constant ope			-0.040	(Cat HB)	_
Dump Target:	Nominal targ		A di	0.000	(Cat HB)	_
		•	ne Adjustment: _ ler Cycle Time:	-0.060 0.565	_ minutes	
			Time per Truck:	1.795	_ minutes minutes	
Truck Cycle Time:		Tiet Loud 1		11,70		
· · · · · · · · · · · · · · · · · · ·	0.00	M	A 11	C	0.000	1
Truck Exchange Time		Minutes	ū	for site altitude:	0.800	Minute
Truck Load Time		Minutes		for site altitude:	1.832	Minute
uck Maneuver and Dump Time	e: 1.20	Minutes	Adjusted	for site altitude:	1.200	Minute

Τrι

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

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Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	6407.00	-0.10	3.00	2.90	2409	3.075

Haul Time: **3.075** minutes Return Route: Total Res Travel Seg# Haul Distance Grade (%) Roll. Res Velocity Time (Ft) (%) (%) (fpm) (min) 6407.00 0.10 3.00 3.10 3503 2.106

Return Time: 2.106 minutes
Total Truck Cycle Time: 9.013 minutes

Loading Tool unit

Production Truck Unit Production

468.68 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour

Adjusted for job efficiency: 389.00 LCY/Hour

Optimal No. of Trucks: 3 Truck(s)

Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,167.00 LCY/Hour Adjusted single truck/loader team production: 1,167.00 LCY/Hour Adjusted multiple truck/loader team production: 1,167.00 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 93.94
 Hours

 Unit cost:
 \$2.155
 /LCY
 Total job cost:
 \$236,221

TRUCK/LOADER TEAM WORK

Task description:	E. Cres	son Mine Area - '	Topsoil - Lift 6 -	Transport			
Site: Cresson Project	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244	
PROJECT IDES Task #:	08	State: Colora County: Teller	ado	Ab	breviation: No. Filename: A0.		
Agency o	r organization nar	ne: DRMS					
HOURLY EQU	IPMENT COS	_			is: 1 per day		
Equipment Description Truck Loader Team -Truck: Cat 777F -Loader: CAT 992K Support Equipment -Load Area: Cat D10T - 10SU							
Road N	laintenance –Mot		Γ 16M ter Tanker, 7,000	Gal.			
Cost Breakdown:	Truck/Lo Truck	ader Team Loader	Support l Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck	
%Utilization-machine:	100	100	100	NA	25	25	
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42	
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80	
%Utilization-riper:	NA	0	NA to oo	NA	NA to oo	NA to oo	
Ripper own. cost/hour: Ripper op. cost/hour:	NA NA	\$0.00 \$0.00	\$0.00 \$0.00	NA NA	\$0.00 \$0.00	\$0.00 \$0.00	
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA NA	\$27.76	\$21.12	
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35	
Number of Units:	4	1	1	0	1	1	
Group Subtotals:	Work:	\$2,046.51	Support:	\$492.91	Maint:	\$352.41	
Total work team co	JANTITIES	83 CCY	Swell	factor: 1.215			
Loose volume		51 LCY l volume: 2022	CC&V Provided				
Source	e of estimated swe Material Purch To						
HOURLY PRO	<u>ODUCTION</u>						
Truck Payload (we Material Desc	weight: 1,600 ription: Top So		Pounds/LCY				
Rated P	ayload: <u>200,00</u>	U	Pounds				

Truck/Loader Worksheet Co	nt'd	Task # A0408			Page 2 of 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number of L	oader Passes:	70.40	LCY	
Loading Tool Capacity						
			Buck	et Size Class: N	Α	
Rated Capacity:	16.000	LCY (heaped)	2001			_
Bucket Fill Factor:	1.100	Other - rock/dirt n	nixtures (100-	120%) 1 100		=
Adjusted Capacity:	17.600	LCY	(100	120,0) 1.100		-
Job Condition Corrections	<u>:</u>	Site	Altitude (ft.): 9	500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB))		
Job Efficiency:	0.830	0.830	(CAT HB))		
Net Correction:	0.830	0.813				
Excavators and Front Shove Machine Cycle Time v Selected Value	s. Job Condition					
Track Loaders –	Material Descri	iption:				
Cycle Time Elements (min.)						
Load: NA	M	Ianeuver: NA		Dump: 0.100	<u> </u>	
Wheel and Track Loaders	· Unadjusted Ba	sic Loader Cycle Time	(load, dump, m	naneuver):0	.625 minu	ites
Cycle Time Factors				Factor (min.)	Source	_
Material:	Mixed materi			0.020	(Cat HB)	
Stockpile:		nt - factor not applicable		0.000	(Cat HB)	
Truck Ownership:		nership of trucks and lo	aders -0.04	-0.040	(Cat HB)	_
Operation:	Constant oper			-0.040	(Cat HB)	_
Dump Target:	Nominal targ		A 1:	0.000	(Cat HB)	_
		Net Cycle Time		-0.060	minutes	
		Adjusted Loader Net Load Tim		0.565 1.795	minutes minutes	
Truck Cycle Time:						
Truck Exchange Time	: 0.80	Minutes	Adjusted	for site altitude:	0.800	Minu
Truck Load Time	-	Minutes	· ·	for site altitude:	1.832	Minu
ck Maneuver and Dump Time		Minutes	· ·	for site altitude:	1.200	Minu
•		<u></u>	•	_		_

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

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Haul Route:

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	9080.00	-0.10	3.00	2.90	2409	4.184

Haul Time: 4.184 minutes Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	9080.00	0.10	3.00	3.10	3503	2.869

Return Time: 2.869 minutes Total Truck Cycle Time: 10.885 minutes

Loading Tool unit

1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Production

Truck Unit Production 388.07 LCY/Hour Adjusted for job efficiency: 322.10 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

> Adjusted hourly truck team production: 1,288.39 LCY/Hour Adjusted single truck/loader team production: 1,288.39 LCY/Hour Adjusted multiple truck/loader team production: LCY/Hour 1,288.39

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **85.18** Hours

Unit cost: \$2.245 /LCY Total job cost: **\$246,339**

BULLDOZER WORK

Cresson Project	!	Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
Cresson Troject	<u> </u>	_		W11380244	remm/300#.	W11900244
PROJECT IDE	NTIFICATIO	<u>N</u>				
Task #: A040)9	State:	Colorado		Abbreviation:	None
	2025	County:	Teller		Filename:	A0409
User: ERR		,			-	
Agency o	r organization r	name: DF	RMS			
HOURLY EQU	IPMENT CO	<u>ST</u>				
Basic Machine:	Cat D7R DS	Series II L	GP			
Horsepower:	240					
Blade Type:	Straight					
Attachment:	NA					
Shift Basis:	1 per day			<u></u>		
Data Source:	(CRG)					
Cost Breakdown:						
_				<u>Utilization %</u>		
Ownership Cost/H			\$90.24	NA		
Operating Cost/I			\$78.95	100		
Ripper own. Cost/I			\$0.00	NA 2.7		
Rinner on Cost/F	lour:		\$0.00	25		
Ripper op. Cost/I						
Operator Cost/Hor Total unit Cost/Hor Total Fleet Cost/Hor	Hour: \$207.7 our: \$207.7		\$38.59	NA NA		
Operator Cost/F Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU	Hour: \$207.7 pur: \$207.7 \$207.7					
Operator Cost/Hotal unit Cost/Hotal Fleet Flee	Hour: \$207.7 pur: \$207.7 \$207.7 JANTITIES 249,679					
Operator Cost/Ho Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor:	Hour: \$207.7 pur: \$207.7 \$207.7 \$207.7 \$249,679 1.215	8				
Operator Cost/Hotal unit Cost/Hotal Fleet Flee	Hour: \$207.7 pur: \$207.7 \$207.7 JANTITIES 249,679	8	\$38.59	NA		
Operator Cost/Ho Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor:	Hour: \$207.7 pur: \$207.7 \$207	8		NA		
Operator Cost/Hotal unit Cost/Hotal Fleet	Hour: \$207.7 pur: \$207.7 \$20	8	\$38.59	NA		
Operator Cost/F Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	Hour: \$207.7 \$2	2022 CCc	\$38.59	NA		
Operator Cost/Ho Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated	Hour: \$207.7 \$2	2022 CCc	\$38.59	NA		
Operator Cost/Ho Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	Hour: \$207.7 pur: \$207.7 Sur:	2022 CCc	\$38.59	NA		
Operator Cost/F Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	Hour: \$207.7 \$2	2022 CCc Cat Hand	\$38.59	NA		
Operator Cost/F Total unit Cost/Hot Total Fleet Cost/Hot MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista	Hour: \$207.7 \$2	2022 CC Cat Hand 220 feet 266.4 LCY	\$38.59	l Estimate		
Operator Cost/Ho Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consisten	Hour: \$207.7 \$2	2022 CC Cat Hand 220 feet 266.4 LCY	\$38.59 &V Provided blook	l Estimate		
Operator Cost/Ho Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consistent Average push grad	Hour: \$207.7 \$2	2022 CCc Cat Hand 220 feet 266.4 LCY	\$38.59 &V Provided blook	l Estimate		
Operator Cost/Ho Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consisten	Hour: \$207.7 \$2	2022 CCc Cat Hand 220 feet 266.4 LCY	\$38.59 &V Provided blook	l Estimate		
Operator Cost/Ho Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consistent Average push grad	Section Sect	2022 CCc Cat Hand 220 feet 266.4 LCY	\$38.59 &V Provided blook	l Estimate		
Operator Cost/Ho Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consistent Average push grad Average site altitude	Section Sect	2022 CC Cat Hand 220 feet 266.4 LCY Loose :	\$38.59 &V Provided blook	l Estimate		
Operator Cost/Ho Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consistent Average push grad Average site altitud Material weight: Weight description Job Condition Core	Section Factor	2022 CCc Cat Hand 220 feet 266.4 LCY/ Loose :	\$38.59 &V Provided book /hr stockpile 1.2	l Estimate Source		
Operator Cost/Ho Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL OU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consistent Average push grad Average site altitud Material weight: Weight description Job Condition Corr	Section Sect	2022 CCc Cat Hand 220 feet 266.4 LCY Loose : Ceet bs/LCY oil	\$38.59 &V Provided blook	l Estimate		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 366.51 LCY/hr
Adjusted fleet production: 366.51 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.567/LCY

Total job time: 827.70 Hours
Total job cost: \$171,975

BULLDOZER RIPPING WORK

Task description:	E. Cresson Mine Area	- Topsoil - Ripping	3		
Site: Cresson Project	Permit Ac	2025 Update M1980244		mit/Job#: M19	980244
PROJECT IDEN	TIFICATION				
Task #: A0410 Date: 6/29/2 User: ERR		orado er		viation: None A041	
Agency or	organization name: <u>DRMS</u>				
HOURLY EQUIT	PMENT COST				
Basic Ma	chine: Cat D7R DS Series II	LGP	Horsepower:	240	
Ripper Attach	ment: 3-Shank Ripper		Shift Basis:	1 per day	
			Data Source:	(CRG)	
Cost Breakdown:			1		
	1' C //I	Φ00.24	Utilization %		
	Ownership Cost/Hour: Operating Cost/Hour:	\$90.24 \$78.95	NA 100		
	Operating Cost/Hour: Ownership Cost/Hour:	¢0.25	NA		
	Operating Cost/Hour:	\$5.20	100		
	Operator Cost/Hour:	\$38.59	NA		
	Γotal Unit Cost/Hour:	\$222.23	_		
Т	Total Fleet Cost/Hour:	\$222.23	_		
MATERIAL QUA	ANTITIES	Salacted actimati	ng method: Area		
Alternate Methods:	<u> </u>	Selected estillation	ing memod. Area		
mic: NA	Bank Volu	ıme: NA	ВСҮ	NA	
area: 309.52	acres Rip Depth			248,397	BCY or
HOURLY PROD Seismic:		N/4	S /		
	Seismic Velocity:	NA	feet/secon	ıd	
Area:					
	Average Ripping Depth: Average Ripping Width:	2.45 6.50	feet/pass feet/pass		
	Average Ripping Length:	538.00	feet/pass		
	Average Dozer Speed:	88.00	feet/minut	te	
	Average Maneuver Time:	0.25	minutes/p		
	Production per unit area:	0.757	acres/hour	r	
Job Condition Corre	ction Factors				
Unadj	usted Hourly Unit Production:	0.757	Acres/hr		
	Site Altitude:	9,500	feet		
	Altitude Adj:	1.00	(CAT HB		
	Job Efficiency:	0.83	(1 shift/da	•	
	Net Correction:	11 2/3	multiplier	•	
	Adjusted Hourly Unit Produ Adjusted Hourly Fleet Produ	ction: 0.63	Acres/hr Acres/hr		
JOB TIME AND	Adjusted Hourly Unit Produ Adjusted Hourly Fleet Produ	ction: 0.63	Acres/hr		
JOB TIME AND Fleet size:	Adjusted Hourly Unit Produ Adjusted Hourly Fleet Produ	ction: 0.63	Acres/hr Acres/hr	2.67	Hours

TRUCK/LOADER TEAM WORK

Task description:	E. Cres	son Mine Area - 7	Горsoil - WHEX	- Transport				
Site: Cresson Projec	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244		
PROJECT IDE Task #: A04 Date: 6/29 User: ERR	11 /2025	State: Colora County: Teller	udo	Ab	breviation: No. A0.			
Agency o	or organization nar	ne: DRMS						
HOURLY EQU	IPMENT COS	<u>r</u>		Shift bas	is: 1 per day			
	Truck Loader Tea		Equipment Descri 777F	ption				
		-Loader: CAT	Г 992К					
Sup	port Equipment -I	Load Area: Cat ump Area: NA	D10T - 10SU					
Road N	Maintenance –Mot	or Grader: CA	Г 16М					
	-Wa	ater Truck: Wat	er Tanker, 7,000	Gal.				
Cost Breakdown:	Truck/Lo Truck	ader Team Loader	Support l Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck		
%Utilization-machine:	100	100	100	NA	25	25		
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42		
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80		
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	NA \$0.00	NA NA	\$0.00	\$0.00		
Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00		
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12		
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35		
Number of Units:	3	1	1	0	1	1		
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41		
Total work team co	<u>UANTITIES</u>	68	Swell	factor: 1.215				
Loose volume	e: 195,6	87 LCY						
	Source of estimated volume: Source of estimated swell factor: Material Purchase Cost: Total Cost: 2022 CC&V Provided Estimate Cat Handbook \$0.00 \$0.00							
HOURLY PRO	<u>ODUCTION</u>							
Truck Capacity:	:.1.0 P . :							
Truck Payload (we Material			Pounds/LCY					
	eription: Top So Payload: 200,00		Pounds					

Truck/Loader Worksheet Con	t´d	Task # A0411			Page 2 of 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:		LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80 I	LCY				
	Γruck Volume	Based on Number of Lo	ader Passes:	70.40	LCY	
<u>Loading Tool Capacity</u>			Ruck	tet Size Class: N	JA	
Rated Capacity:	16.000	LCY (heaped)	Buck	et Bize Class.	12.1	<u> </u>
Bucket Fill Factor:	1.100	Other - rock/dirt m	ixtures (100-	-120%) 1 100		=
Adjusted Capacity:	17.600	LCY	(100	12070) 1.100		_
Job Condition Corrections:		Site A	Altitude (ft.): 9	<u>9500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	of Loading Tool Passes	Required to I	Fill Truck:	4	passes
Excavators and Front Shovels	<u>s:</u>					
Machine Cycle Time vs Selected Value w						
Track Loaders – N						
Cycle Time Elements (min.):	viateriai Deseri	ption:				
Load: NA	Ma	aneuver: NA		Dump: 0.100	0	
Wheel and Track Loaders -	Unadjusted Bas	sic Loader Cycle Time (load, dump, n	naneuver): 0).625 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materia	al 0.02		0.020	(Cat HB)	<u></u> -
Stockpile:		t - factor not applicable	0.00	0.000	(Cat HB)	
Truck Ownership:		ership of trucks and loa		-0.040	(Cat HB)	_
Operation:	Constant oper	ation -0.04		-0.040	(Cat HB)	
Dump Target:	Nominal targe			0.000	(Cat HB)	_
		Net Cycle Time A	_	-0.060	minutes	
		Adjusted Loader C Net Load Time		0.565 1.795	minutes minutes	
Truck Cycle Time:			_		_	
Truck Exchange Time:	0.80	Minutes	Adjusted	for site altitude:	0.800	Minute
Truck Load Time:	1.795	Minutes	Adjusted	for site altitude:	1.832	_ Minute
ck Maneuver and Dump Time:		Minutes	•	for site altitude:	1.200	_ Minute
•		_	·	_		_

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

1506.00

Haul Route:

Huur Rou	ic.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1506.00	-8.60	3.00	-5.60	1870	0.959

Haul Time: 0.959 minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min)

3.00

8.60

Return Time: 1.048 minutes
Total Truck Cycle Time: 5.839 minutes

1628

1.048

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour

11.60

Truck Unit Production
723.46 LCY/Hour Adjusted for job efficiency: 600.47 LCY/Hour

Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,801.41 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **146.89** Hours

Unit cost: \$1.888 /LCY Total job cost: **\$369,375**

BULLDOZER WORK

: Cresson Project		Peri	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
DDATECT IDEX	TIEIC A TI) NI				
PROJECT IDEN						N.
Task #: A0412		State:	Colorado		Abbreviation:	None
Date: 6/29/2	.025	County:	Teller		Filename:	A0412
User: ERR						
Agency or	organization	name: DF	RMS			
HOURLY EQUI	PMENT CO	<u>OST</u>				
Basic Machine:	Cat D7R D	S Series II L	GP			
Horsepower:	240			<u> </u>		
Blade Type:	Straight			<u> </u>		
Attachment:	NA					
Shift Basis:	1 per day					
Data Source:	(CRG)			<u></u>		
Cost Breakdown:						
COSt Broakdown.				Utilization %		
Ownership Cost/H	our:		\$90.24	NA		
Operating Cost/H			\$78.95	100		
Ripper own. Cost/H			\$0.00	NA		
Ripper op. Cost/H			\$0.00	25		
Operator Cost/H			\$38.59	NA		
•	-			·		
Total unit Cost/Hou						
Total Fleet Cost/Ho	ar: \$207. '	78				
MATERIAL QU	<u>ANTITIES</u>					
Initial Volume:	161,059					
Swell factor:	1.215					
Loose volume:	195,687 LCY	<i>l</i>				
Source of estimated	volume:	2022 CC.	&V Provided	l Estimata		
Source of estimated		Cat Hand		1 Estillate		
Source of estimated	swell factor.	Cat Hand	UUUK			
HOURLY PROD	HCTION					
HOUKLIIKUL	0011011					
Average push distant		220 feet				
Unadjusted hourly p	roduction:	266.4 LCY/	'hr			
Materials consistence	y description	: Loose s	stockpile 1.2			
		-	•			
Average push gradie						
Average site altitude	e: <u>9,500</u>	feet				
Material weight:	1,600	lbs/LCY				
Weight description:	Top S	oil				
Job Condition Corre	ction Factor			Source		
	ator Skill:	0.	750	(AVG.)		
Material co		1.	200	(CAT HB)		
	a method:		000	(GEN)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 366.51 LCY/hr
Adjusted fleet production: 366.51 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.567/LCY

Total job time: 533.92 Hours
Total job cost: \$110,935

BULLDOZER RIPPING WORK

	Task description:	E. Cr	esson Mine Area - Top	soil - WHEX -	Ripping			
Site	: Cresson Proje	ct	Permit Action:	2025 Update M1980244	Per	mit/Job#:	M19802	44
	PROJECT IDE	ENTIFICATIO	<u>ON</u>					
	Task #: A04 Date: 6/29 User: ER	9/2025	State: Colorado County: Teller			eviation: lename:	None A0413	
	Agency	or organization i	name: DRMS					
	HOURLY EQU	JIPMENT CO	ST					
	Basic I Ripper Atta		D7R DS Series II LGP nank Ripper		Horsepower: _ Shift Basis: _ Data Source:	1 p	240 er day CRG)	
	Cost Breakdown:				_		- /	
	Cost Breakdown.	Ownership Co	st/Hour:	\$90.24	Utilization % NA			
	ъ.	Operating Co		\$78.95	100			
		er Ownership Co er Operating Co		\$9.25 \$5.20	NA 100			
	Кірр	Operator Co		\$38.59	NA			
		Total Unit Co	st/Hour:	\$222.23				
		Total Fleet Co	st/Hour: \$22	2.23				
	MATERIAL Q	UANTITIES	Sal	acted actimating	g method: Area			
	Alternate Method		SCI	ected estimating	g method. Area			
G . ' '		<u>s.</u>	D1. W. 1	NIA	DCV		NT A	
Seismic: Area:	NA 199.66	acres	Bank Volume: Rip Depth (ft):	NA 2.50	BCY 80)5,295	NA	BCY or CC
			nated quantity: 2022 (_	,		
	HOUDI H PD		2022 C	CC V I TOVIGO	Estimate			
	HOURLY PRO	<u>DDUCTION</u>						
	Seismic:	C		NIA	6 /	1		
		5	eismic Velocity:	NA	feet/secon	na		
	Area:	A	Dinning Donth	2.45	fact/mass			
			e Ripping Depth: • Ripping Width:	2.45 6.50	feet/pass feet/pass			
			Ripping Length:	300.00	feet/pass			
			ge Dozer Speed:	88.00	feet/minu	ite		
		Average	Maneuver Time:	0.25	minutes/p	oass		
		Producti	on per unit area:	0.734	acres/hou	ır		
	Job Condition Co	rrection Factors						
	Una	adjusted Hourly	Unit Production:	0.734	Acres/hr			
			Site Altitude:	9,500	feet			
			Altitude Adj:	1.00	(CAT HE	3)		
			Job Efficiency:	0.83	(1 shift/d	•		
			Net Correction:	0.83	multiplie	r		
		•	Hourly Unit Production: Hourly Fleet Production:		Acres/hr Acres/hr			
	JOB TIME AN	D COST						
	Fleet size:	1	Grader(s)	Total job tin	ne:	7.71	Но	urs
	Unit cost:	\$364 754	Per acre	Total job co	st· \$72	2.827		

TRUCK/LOADER TEAM WORK

Task description:	E. Cres	son Mine Area - '	Topsoil - Ironcla	d - Transport		
Site: Cresson Projec	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE: Task #:A04	14 /2025	State: Colora County: Teller	ado	Ab	breviation: No. Filename: A0.	
	or organization nar	ne: DRMS				
HOURLY EQU	IPMENT COS	_			is: <u>1 per day</u>	
Sup	Equipment Description Truck Loader Team -Truck: Cat 777F -Loader: CAT 992K Support Equipment -Load Area: -Dump Area: -Dump Area: NA Road Maintenance -Motor Grader: CAT 16M					
Cost Breakdown:		ater Truck: Wat ader Team Loader	Support I Load Area	Gal. Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour: %Utilization-riper:	\$152.44 NA	\$230.31	\$196.93 NA	NA NA	\$29.91 NA	\$20.80 NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
	UANTITIES e: 12,043	CCY		factor: <u>1.215</u>		
Source	Source of estimated volume: Source of estimated swell factor: Material Purchase Cost: Total Cost: Cat Handbook \$0.00 \$0.00					
Truck Capacity: Truck Payload (we	Stylhour: \$199.47 \$270.75 \$257.39 NA \$179.39 \$73.42					
Desc	eription: Top So					

Truck/Loader worksheet Co	nt a	1 ask # A0414			Page 2 01 3	1
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number of L	oader Passes:	70.40	LCY	
Loading Tool Capacity			Dual	rat Siga Classe M	Α.	
Data d Cama sitan	16,000	LCV (beared)	Buci	ket Size Class: N	A	_
Rated Capacity: Bucket Fill Factor:	16.000 1.100	LCY (heaped) Other - rock/dirt m	intumas (100	1200/) 1 100		_
Adjusted Capacity:	1.100 17.600	LCY	lixtures (100	-120%) 1.100		_
Aujusted Capacity.	17.000	LC1				
Job Condition Corrections	<u>:</u>	Site A	Altitude (ft.): 9	9500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB	3)		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:		of Loading Tool Passe	s Required to	Fill Truck:	4	passes
Excavators and Front Shove		D. C. MA				
Machine Cycle Time v Selected Value						
Track Loaders –	Material Descri	ption:				
Cycle Time Elements (min.)	:					
Load: NA	M	aneuver: NA		Dump: 0.100)	
Wheel and Track Loaders	- Unadjusted Ba	sic Loader Cycle Time	(load, dump, r	maneuver):0	.625 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materia			0.020	(Cat HB)	_
Stockpile: No adjustment - factor not applicable 0.0			0.000	(Cat HB)		
Truck Ownership:		Common ownership of trucks and loaders -0.04		-0.040	(Cat HB)	_
Operation:	Constant oper			-0.040	(Cat HB)	<u>—</u>
Dump Target:	Nominal targe		A dinates	0.000	(Cat HB)	_
		Net Cycle Time Adjusted Loader (_	-0.060 0.565	_ minutes minutes	
		Net Load Time		1.795	minutes	
Truck Cycle Time:						
Truck Exchange Time	e: 0.80	Minutes	Adjusted	for site altitude:	0.800	Minu
Truck Load Time	e: 1.795	Minutes	Adjusted	for site altitude:	1.832	_ Minu
ck Maneuver and Dump Time	: 1.20	— Minutes	Adiusted	for site altitude:	1.200	— Minu
ek ivianeuver and Dump 11me		wimutes —	Aujusted	ior site annude:	1.200	

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Hadi Rodic.						
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3892.00	-7.70	3.00	-4.70	1870	2.233

Task # A0414

Haul Time: 2.233 minutes

Return Route:

Return Route.						
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3892.00	7.70	3.00	10.70	1734	2.377

Return Time: 2.377 minutes
Total Truck Cycle Time: 8.442 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 500.38 LCY/Hour Adjusted for job efficiency: 415.31 LCY/Hour

Optimal No. of Trucks: _____ 3 ____ Truck(s) Selected Number of Trucks: _____ 3 ____ Truck(s)

Adjusted hourly truck team production: 1,245.94 LCY/Hour Adjusted single truck/loader team production: 1,245.94 LCY/Hour Adjusted multiple truck/loader team production: 1,245.94 LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____11.74 Hours

Unit cost: \$2.018 /LCY Total job cost: **\$29,532**

		ъ		2025 11 1		
Cresson Projec	t	Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
	-				_	
PROJECT IDE	NTIFICATIO	<u>N</u>				
Task #: A041	15	State:	Colorado		Abbreviation:	None
	/2025	County:	Teller		Filename:	A0415
User: ERR		County.			_	110 .10
	r organization r	name: DF	RMS			
HOURLY EQU	IPMENT CO	ST				
Basic Machine:	Cat D7R DS		.GP			
Horsepower:	240	201100 11 2	.01	<u>—</u>		
Blade Type:	Straight			<u> </u>		
Attachment:	NA					
Shift Basis:	1 per day			<u> </u>		
Data Source:	(CRG)			<u>—</u>		
Cost Breakdown:						
Cost Dicardowii.				Utilization %		
Ownership Cost/I	Hour:		\$90.24	NA		
Operating Cost/I			\$78.95	100		
Ripper own. Cost/I			\$0.00	NA		
Ripper op. Cost/I			\$0.00	25		
			D().()()			
Operator Cost/I Total unit Cost/Ho	Hour: \$207.7		\$38.59	NA NA		
	Hour: \$207.7 our: \$207.7					
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho	Hour: \$207.7 our: \$207.7					
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU	Hour: \$207.7 our: \$207.7 JANTITIES					
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume:	Hour: \$207.7 our: \$207.7 JANTITIES 12,043					
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume:	Hour: \$207.7 our: \$207.7 JANTITIES 12,043 1.215 14,632 LCY	8	\$38.59	NA		
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated	Hour: ur: \$207.7 pour: \$207.7 JANTITIES 12,043 1.215 14,632 LCY d volume:	2022 CC	\$38.59	NA		
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume:	Hour: ur: \$207.7 pour: \$207.7 JANTITIES 12,043 1.215 14,632 LCY d volume:	8	\$38.59	NA		
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated	Hour: ur: \$207.7 pur: \$207.7 \$207.7 JANTITIES 12,043 1.215 14,632 LCY d volume: d swell factor:	2022 CC	\$38.59	NA		
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	Hour: ur: \$207.7 pour: \$207.7 JANTITIES 12,043 1.215 14,632 LCY d volume: d swell factor: DUCTION	2022 CC Cat Hand	\$38.59	NA		
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated	Hour: ur: \$207.7 pur: \$207.7 \$207.7 JANTITIES 12,043 1.215 14,632 LCY d volume: d swell factor: DUCTION unce:	2022 CC	\$38.59	NA		
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PRO Average push dista Unadjusted hourly	Hour: ur: \$207.7 pur: \$207.7 JANTITIES 12,043 1.215 14,632 LCY d volume: d swell factor: DUCTION unce: production:	2022 CC Cat Hand 220 feet 266.4 LCY	\$38.59 &V Provided	l Estimate		
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PRO Average push dista	Hour: ur: \$207.7 pur: \$207.7 JANTITIES 12,043 1.215 14,632 LCY d volume: d swell factor: DUCTION unce: production:	2022 CC Cat Hand 220 feet 266.4 LCY	\$38.59	l Estimate		
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PRO Average push dista Unadjusted hourly	Hour: ur: \$207.7 pur: \$207.7 JANTITIES 12,043 1.215 14,632 LCY d volume: d swell factor: DUCTION unce: production: ncy description:	2022 CC Cat Hand 220 feet 266.4 LCY	\$38.59 &V Provided	l Estimate		
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PRO Average push dista Unadjusted hourly Materials consister	Hour: ur: \$207.7 pur: \$207.7 JANTITIES 12,043 1.215 14,632 LCY d volume: d swell factor: DUCTION unce: production: ncy description: ient: -30 %	2022 CC Cat Hand 220 feet 266.4 LCY Loose	\$38.59 &V Provided	l Estimate		
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PRO Average push dista Unadjusted hourly Materials consister Average push grad	Hour: ur: \$207.7 pour: \$207.7 JANTITIES 12,043 1.215 14,632 LCY d volume: d swell factor: DUCTION unce: production: production: ient: -30 %	2022 CC Cat Hand 220 feet 266.4 LCY Loose	\$38.59 &V Provided	l Estimate		
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho Total Fleet Cost/Ho MATERIAL QI Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PRO Average push dista Unadjusted hourly Materials consister Average push grad Average site altitude	Hour: ur: \$207.7 pur: \$207.7 JANTITIES 12,043 1.215 14,632 LCY d volume: d swell factor: DUCTION unce: production: cy description: de: 9,500 f 1,600 f	2022 CC Cat Hand 220 feet 266.4 LCY Loose	\$38.59 &V Provided	l Estimate		
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho Total Fleet Cost/Ho MATERIAL QI Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PRO Average push dista Unadjusted hourly Materials consister Average push grad Average site altitud Material weight: Weight description Job Condition Core	Hour: ur: \$207.7 pour: \$207.7 JANTITIES 12,043 1.215 14,632 LCY d volume: d swell factor: DUCTION unce: production: production: de: -30 % 9,500 feetion Factor Top Sofrection Factor	2022 CC Cat Hand 220 feet 266.4 LCY Loose	\$38.59 &V Provided book /hr stockpile 1.2	l Estimate Source		
Operator Cost/I Total unit Cost/Ho Total Fleet Cost/Ho MATERIAL QI Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PRO Average push dista Unadjusted hourly Materials consister Average push grad Average site altitud Material weight: Weight description Job Condition Corr	Hour: ur: \$207.7 pour: \$207.7 JANTITIES 12,043 1.215 14,632 LCY d volume: d swell factor: DUCTION unce: production: ncy description: ient:30 %	2022 CC Cat Hand 220 feet 266.4 LCY Loose	\$38.59 &V Provided	l Estimate		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 366.51 LCY/hr
Adjusted fleet production: 366.51 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.567/LCY

Total job time: 39.92 Hours
Total job cost: \$8,295

BULLDOZER RIPPING WORK

Task description:	E. Cresson Mine	: Area - Tops	soil - Ironclad	- Ripping		
Site: Cresson Project	Per	mit Action:	2025 Update M1980244	Per	mit/Job#:	M1980244
PROJECT IDENTIF	FICATION .					
Task #: A0416 Date: 6/29/2025 User: ERR	State: County:	Colorado Teller				None NO416
Agency or orga	anization name:DF	RMS				
HOURLY EQUIPM	ENT COST					
Basic Machin	ne: Cat D7R DS Sen	ries II LGP		Horsepower:	24	0
Ripper Attachmer	nt: 3-Shank Ripper		<u> </u>	Shift Basis:	1 per	
				Data Source: _	(CR	G)
Cost Breakdown:			I	TT: 11 o/		
Own	ership Cost/Hour:		\$90.24	Utilization % NA		
			\$78.95	100		
Ripper Own	ership Cost/Hour:		\$9.25	NA		
	erating Cost/Hour:		\$5.20	100		
-	perator Cost/Hour: al Unit Cost/Hour:		\$38.59 \$222.23	NA		
			\$222.23			
Tota	l Fleet Cost/Hour:	\$222	2.23			
MATERIAL QUAN	<u> FITIES</u>	Sele	ected estimating	method: Area		
Alternate Methods:						
mic: NA	Ban	k Volume:	NA	BCY	N	A
rea: 14.93 a	cres Rip l	Depth (ft):	2.50	Volume: 60),218	BCY o
HOURLY PRODUC	TION Seismic Velo	ocity:	NA	feet/seco	nd	
A	gersime vero		1,111			
<u>Area:</u>	Average Ripping Do	enth:	2.45	feet/pass		
	Average Ripping W		6.50	feet/pass		
	Average Ripping Lei		300.00	feet/pass		
	Average Dozer Sp		88.00	feet/minu		
	Average Maneuver T Production per unit		0.25 0.734	minutes/pacres/hou		
Job Condition Correction	-		0.751			
				A 71		
2 majust	d Hourly Unit Produc	tion:	0.734	Acres/hr		
	d Hourly Unit Produc	-	9.500	Acres/hr		
	Site Altit	tude:	9,500 1.00	feet	3)	
	Site Alti Altitude Job Efficie	tude:	9,500 1.00 0.83	feet (CAT HE (1 shift/d	ay)	
	Site Altit Altitude	tude:	9,500 1.00	feet (CAT HE	ay)	
	Site Alti Altitude Job Efficie	tude: Adj: ency: ction: Production:	9,500 1.00 0.83 0.83	feet (CAT HE (1 shift/d	ay)	
	Site Altitude Altitude Job Efficie Net Correc Adjusted Hourly Unit Adjusted Hourly Fleet	tude: Adj: ency: ction: Production:	9,500 1.00 0.83 0.83	feet (CAT HE (1 shift/d multiplie Acres/hr	ay)	
JOB TIME AND CO	Site Altitude Altitude Job Efficie Net Correc Adjusted Hourly Unit Adjusted Hourly Fleet	tude: Adj: ency: ction: Production:	9,500 1.00 0.83 0.83	feet (CAT HE (1 shift/d multiplie Acres/hr Acres/hr	ay)	Hours

Task description:	<u>E. Cr</u>	esson Mine	Area - 100	ft Lift - Mass Grading		
: Cresson Project		Per:	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDEN	TIFICATIO)N				
Task #: A041 Date: 6/29/2 User: ERR	7	State: County:	Colorado Teller		Abbreviation: Filename:	None A0417
Agency or	organization	name: DF	RMS			
HOURLY EQUI						
Basic Machine:	Cat D10T -	1080				
Horsepower:	574	1		<u> </u>		
Blade Type:	Semi-Unive	ersai		<u> </u>		
Attachment:	NA			<u> </u>		
Shift Basis:	1 per day			<u> </u>		
Data Source:	(CRG)					
Cost Breakdown:						
				Utilization %		
Ownership Cost/H	lour:		\$257.39	NA		
Operating Cost/H			\$196.93	100		
Ripper own. Cost/H			\$0.00	NA		
Ripper own. Cost/H			\$0.00	0		
			\$38.59			
Operator Cost/H	iour:		\$30.39	NA		
MATERIAL QU	ANTITIES					
Initial Volume:	672,099					
Swell factor:	1.000					
Loose volume:	672,099 LCY	7				
C C	1	2022 CC	0 X/ D	1 Estimate		
Source of estimated Source of estimated		Cat Hand	&V Provided book	1 Estimate		
HOURLY PROI	<u>DUCTION</u>					
Average push distar	nce:	105 feet				
Unadjusted hourly j	production:	1,665.1 LC	Y/hr			
Materials consisten	cy description:	Consol	idated stock	pile 1.0		
Average push gradi	ent: -20 %					
Average push gradi Average site altitud		feet	<u> </u>			
Material weight:	2,800	lbs/LCY			_	
Weight description:	Granit	e - Broken				
Job Condition Corre				Source		
	rator Skill: _		750	(AVG.)		
Material co	onsistency:	1.	000	(CAT HB)		
Dozi	ng method:	1	200	(S-RV-S)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.426	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6996

Adjusted unit production: 1,164.90 LCY/hr
Adjusted fleet production: 2329.8 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.423/LCY

Total job time: 288.48 Hours
Total job cost: \$284,386

	D	nit Astion.	2025 Undata		
Cresson Project	Peri	nit Action:	2025 Update M1980244	Permit/Job#:	M1980244
Cresson Project		:	111700244		1411700244
PROJECT IDENTIFICA	ATION				
		a			
Task #: A0418	State:	Colorado		Abbreviation:	None
Date: 6/29/2025	County:	Teller		Filename:	A0418
User: ERR					
Agency or organiza	tion name:DR	MS			
HOURLY EQUIPMENT	COST				
Basic Machine: Cat D7	R DS Series II Lo	GP.			
Horsepower: 240			<u></u>		
Blade Type: Straigh	t		<u>—</u>		
Attachment: NA					
Shift Basis: 1 per d	av		<u> </u>		
Data Source: (CRG)	uj				
			<u> </u>		
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/Hour:		\$90.24	NA		
Operating Cost/Hour:		\$78.95	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUANTIT	<u>IES</u>				
Initial Volume: 74,678					
Swell factor: 1.000					
Loose volume: 74,678 I	LCY				
Source of estimated volume:		&V Provided	l Estimate		
Source of estimated swell fac	ctor: Cat Hand	book			
HOURLY PRODUCTIO	N				
Average push distance: Unadjusted hourly production	105 feet 482.9 LCY/	h.			
onaujusted nourry production	u. <u>482.9 LC Y</u> /	111			
Materials consistency descrip	otion: Consol	dated stock	pile 1.0		
Average push gradient: -2	20 %				
	,500 feet	<u></u>			
	,800 lbs/LCY				
	Franite - Broken			_	
Job Condition Correction Fac			Source		
Operator Skil		750	(AVG.)		
Material consistency		000	(CAT HB)		
	v. I.	11.11.1	т паты		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.426	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5830

Adjusted unit production: 281.53 LCY/hr
Adjusted fleet production: 281.53 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.738/LCY

Total job time: 265.26 Hours
Total job cost: \$55,114

Task description:	M. Cı	resson Min	e Area - Pile	Leveling - Mass Grad	ing	
: Cresson Project		Per:	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENT Task #: A0500		N State:	Colorado		Abbreviation:	None
Date: 6/29/20	025	County:	Teller		Filename:	A0500
User: ERR						
Agency or o	organization r	name: DF	RMS			
HOURLY EQUIP	PMENT CO	ST				
Basic Machine:	Cat D10T -	10SU		<u></u>		
Horsepower:	574			<u> </u>		
Blade Type:	Semi-Univer	rsal				
Attachment: _ Shift Basis:	NA 1 per day					
Data Source:	(CRG)			<u> </u>		
Cost Breakdown:	,					
				<u>Utilization %</u>		
Ownership Cost/Ho			\$257.39	NA		
Operating Cost/Ho			\$196.93	100		
Ripper own. Cost/Ho			\$0.00	NA 0		
Ripper op. Cost/Ho			\$0.00	0		
Operator Cost/Ho	our:		\$38.59	NA		
	116,523 1.000					
_	116,523 LCY	•				
Source of estimated s		2022 CC Cat Hand	&V Provided	1 Estimate		
HOURLY PROD	<u>UCTION</u>					
Average push distance	ce:	50 feet				
Unadjusted hourly pr		2,748.7 LC	Y/hr			
Materials consistency	y description:	Loose	stockpile 1.2	,		
Average push gradie Average site altitude		feet				
Material weight:	2,800 1	lbs/LCY				
Weight description:	Granite	e - Broken				
Job Condition Correct Opera	ction Factor ator Skill:	0.	.750	Source (AVG.)		
Material con			.200	(CAT HB)		
	method:		200	(S-BY-S)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7212

Adjusted unit production: 1,982.36 LCY/hr
Adjusted fleet production: 3964.72 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.249/LCY

Total job time: 29.39 Hours
Total job cost: \$28,973

Cresson Project	Peri	nit Action:	2025 Update M1980244	Permit/Job#:	M1980244
STOSSOM I TOJECT			1.11700#11		111700277
PROJECT IDENTIFICA	TION				
Task #: A0501	State:	Colorado		Abbreviation:	None
Date: 6/29/2025	County:	Teller		Filename:	A0501
User: ERR				-	
Agency or organizat	ion name: DR	MS			
HOURLY EQUIPMENT	COST				
	R DS Series II Lo	3D			
Horsepower: 240	X D5 Selles II E	J1	<u>—</u>		
Blade Type: Straight			_		
Attachment: NA	·				
Shift Basis: 1 per da	V				
Data Source: (CRG)	· J		<u>—</u>		
			<u></u>		
Cost Breakdown:			Hilimotics 0/		
Ownership Cost/Hours		\$90.24	<u>Utilization %</u> NA		
Ownership Cost/Hour: Operating Cost/Hour:		\$90.24 \$78.95	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59			
Operator Cost/Hour.		\$30.37	NA		
MATERIAL QUANTITI Initial Volume: 12,947 Swell factor: 1.000	<u>ES</u>				
Loose volume: 12,947 L	CY	<u> </u>			
-		_			
Source of estimated volume:		&V Provided	l Estimate		
Source of estimated swell fact	or: Cat Hand	000K			
HOURLY PRODUCTIO	N				
Average push distance:	50 feet				
Unadjusted hourly production	: 800.0 LCY/	hr			
Materials consistency descrip	tion: Rock, p	oorly ripped	l or blasted 0.6		
Average push gradient: -1	0 %				
	500 feet				
Material weight: 2,	800 lbs/LCY			_	
Weight description: G	ranite - Broken				
Job Condition Correction Fac			Source		
Operator Skill		750	(AVG.)		
Material consistency		500	(CAT HB)		
Dozing method	. 1	200	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3005

Adjusted unit production: 240.40 LCY/hr
Adjusted fleet production: 240.4 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.864/LCY

Total job time: 53.86 Hours
Total job cost: \$11,190

: Cresson Project		Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENT	TIFICATIO	<u>N</u>				
Task #: A0502 Date: 6/29/20 User: ERR	25	State: County:	Colorado Teller		Abbreviation: _ Filename: _	None A0502
	rganization n	ame: DF	RMS			
HOURLY EQUIP						
	Cat D10T - 1					
_		1030				
1	574	1		<u></u>		
	Semi-Univer	rsal		<u> </u>		
_	NA					
Shift Basis:	1 per day					
Data Source:	(CRG)					
_						
Cost Breakdown:						
				<u>Utilization %</u>		
Ownership Cost/Hor	ur:		\$257.39	NA		
Operating Cost/Hor			\$196.93	100		
Ripper own. Cost/Hor			\$0.00	NA		
Ripper op. Cost/Hor			\$0.00	0		
Operator Cost/Hor	ur:		\$38.59	NA		
	.,958,360 000					
Swell factor: 1		V				
	,958,360 LC	. 1				
	olume: well factor:		— &V Provided book	1 Estimate		
Loose volume: 1 Source of estimated v Source of estimated s	olume: well factor:	2022 CCc Cat Hand		l Estimate		
Loose volume: 1 Source of estimated v Source of estimated s	olume: well factor: JCTION e:	2022 CC	book	l Estimate		
Loose volume: 1 Source of estimated v Source of estimated s HOURLY PRODU	olume: well factor: UCTION e: oduction:	2022 CCc Cat Hand 650 feet 350.0 LCY	book			
Loose volume: 1 Source of estimated v Source of estimated s HOURLY PRODU Average push distance Unadjusted hourly pro	olume: well factor: JCTION e: oduction: description:	2022 CCc Cat Hand 650 feet 350.0 LCY/	book Thr			
Loose volume: 1 Source of estimated v Source of estimated s HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien	olume: well factor: UCTION e: oduction: description: at: -30 % 9,500 f	2022 CCc Cat Hand 650 feet 350.0 LCY/	book Thr			
Loose volume: 1 Source of estimated v Source of estimated s HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien Average site altitude:	olume: well factor: UCTION e: oduction: description: at: -30 % 9,500 f 2,800 1	2022 CCc Cat Hand 650 feet 350.0 LCY Consol	book Thr			
Loose volume: 1 Source of estimated v Source of estimated s HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correct	olume: well factor: UCTION e: oduction: description: at: -30 % 9,500 f 2,800 l Granite tion Factor	2022 CCc Cat Hand 650 feet 350.0 LCY Consol Ceet bs/LCY e - Broken	book Thr idated stock	pile 1.0		
Loose volume: Source of estimated v Source of estimated s HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correct Opera	olume: well factor: UCTION e: oduction: description: at: -30 % 9,500 f 2,800 l Granite tion Factor tor Skill:	2022 CCc Cat Hand 650 feet 350.0 LCY/ Consol Ceet bs/LCY e - Broken 0.	book Thr idated stock 750	oile 1.0 Source (AVG.)		
Loose volume: Source of estimated v Source of estimated s HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien Average site altitude: Material weight: Weight description: Job Condition Correct Opera	olume: well factor: UCTION e: oduction: description: at: -30 % 9,500 f 2,800 l Granite tion Factor tor Skill:	2022 CCc Cat Hand 650 feet 350.0 LCY/ Consol Ceet bs/LCY e - Broken 0.	book Thr idated stock	pile 1.0		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7855

Adjusted unit production: 274.93 LCY/hr
Adjusted fleet production: 549.86 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$1.793/LCY

Total job time: 3,561.56 Hours
Total job cost: \$3,511,025

PROJECT IDENTIFICATION	Task description: M.	Cresson Mine Area - 50	- 650 ft Lift - Fine Grad	ling
Task #: A0503	: Cresson Project	Permit Action:	*	Permit/Job#: <u>M1980244</u>
Task #: A0503	PROJECT IDENTIFICAT	ION		
Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat D7R DS Series II LGP Horsepower: 240 Blade Type: Straight Attachment: NA Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Ownership Cost/Hour: \$90.24 NA Operating Cost/Hour: \$90.00 NA Ripper own. Cost/Hour: \$0.00 NA Ripper own. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$38.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL OUANTITIES Initial Volume: 377,595 Swell factor: 1.000 Loose volume: 377,595 LCY Source of estimated volume: Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 400 feet Unadjusted hourly production: Consolidated stockpile 1.0 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 2,800 lbs/LCY Weight description: Granite - Broken Job Condition Correction Factor Source	Task #:A0503 Date:6/29/2025	State: Colorado)	
Basic Machine:		n namel DDMC		
Basic Machine:	Agency or organizatio	n name: DRMS		
Horsepower: 240	HOURLY EQUIPMENT O	SOST		
Blade Type: Attachment: NA Shift Basis: 1 per day Otata Source: (CRG) Cost Breakdown: Utilization % Ownership Cost/Hour: \$90.24 NA Operating Cost/Hour: \$78.95 100 NA Ripper own. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$0.00 NA NA Ripper op. Cost/Hour: \$30.00 NA	Basic Machine: Cat D7R	DS Series II LGP		
Attachment: Shift Basis: 1 per day	Horsepower: 240			
Shift Basis: Data Source: CRG) Cost Breakdown: Ownership Cost/Hour: \$90.24 NA Operating Cost/Hour: \$90.00 NA Ripper own. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$0.00 NA Operator Cost/Hour: \$38.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL OUANTITIES Initial Volume: \$377.595 Newll factor: \$1.000 Loose volume: \$377.595 LCY Source of estimated volume: \$202.2 CC&V Provided Estimate Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 400 feet Unadjusted hourly production: \$180.4 LCY/hr Materials consistency description: Consolidated stockpile 1.0 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 2,800 lbs/LCY Weight description: Granite - Broken Job Condition Correction Factor: Source	Blade Type: Straight			
Data Source: (CRG)	Attachment: NA			
Cost Breakdown:	Shift Basis: 1 per day			
Ownership Cost/Hour: \$90.24 NA Operating Cost/Hour: \$78.95 100 Ripper own. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$0.00 O Operator Cost/Hour: \$38.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: \$377,595 Swell factor: 1.000 Loose volume: 377,595 LCY Source of estimated volume: Cat Handbook HOURLY PRODUCTION Average push distance: 400 feet Unadjusted hourly production: 180.4 LCY/hr Materials consistency description: Consolidated stockpile 1.0 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 2,800 lbs/LCY Weight description: Granite - Broken Job Condition Correction Factor Source	Data Source: (CRG)			
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Operating Cost/Hour: \$78.95 100 Ripper own. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$0.00 0 Operator Cost/Hour: \$38.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: 377.595 Swell factor: 1.000 Loose volume: 377,595 LCY Source of estimated volume: Cat Handbook HOURLY PRODUCTION Average push distance: 400 feet Loose total distance: 400 feet Loose t	Ownership Cost/Hour	\$90.24		
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Ripper op. Cost/Hour: Operator Cost/Hour: \$207.78 Total unit Cost/Hour: \$207.78 **Sunce of estimated volume: Source of estimated swell factor: Cat Handbook **HOURLY PRODUCTION** Materials consistency description: Materials consistency description: Consolidated stockpile 1.0 Average push gradient: Average site altitude: -30 % Average site altitude: -30 % Average site altitude: Material weight: 2,800 lbs/LCY Weight description: Granite - Broken Job Condition Correction Factor Source				
Operator Cost/Hour: \$38.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: 377,595 Swell factor: 1.000 Loose volume: 377,595 LCY Source of estimated volume: Cat Handbook HOURLY PRODUCTION Average push distance: 400 feet 180.4 LCY/hr Materials consistency description: Consolidated stockpile 1.0 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 2,800 lbs/LCY Weight description: Granite - Broken Job Condition Correction Factor Source				
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Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 400 feet 180.4 LCY/hr Materials consistency description: Consolidated stockpile 1.0 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 2,800 lbs/LCY Weight description: Granite - Broken Job Condition Correction Factor Source	Loose volume: 377,595 LO	CY		
Average push distance: 400 feet Unadjusted hourly production: 180.4 LCY/hr Materials consistency description: Consolidated stockpile 1.0 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 2,800 lbs/LCY Weight description: Granite - Broken Job Condition Correction Factor Source	Source of estimated volume: Source of estimated swell factor	-	ed Estimate	
Unadjusted hourly production: 180.4 LCY/hr Materials consistency description: Consolidated stockpile 1.0 Average push gradient: -30 % / 9,500 feet Material weight: 2,800 lbs/LCY Weight description: Granite - Broken Job Condition Correction Factor Source	HOURLY PRODUCTION			
Average push gradient:30 %	Average push distance: Unadjusted hourly production:			
Average site altitude: 9,500 feet Material weight: 2,800 lbs/LCY Weight description: Granite - Broken Job Condition Correction Factor Source	Materials consistency description	n: Consolidated stock	kpile 1.0	
Weight description: Granite - Broken Job Condition Correction Factor Source				
Job Condition Correction Factor Source	Material weight: 2,80	0 lbs/LCY		
	Weight description: Gran	nite - Broken		
Operator Skill: 0.750 (AVG.)		_		
			` ` `	
Material consistency: 1.000 (CAT HB) Dozing method: 1.000 (GEN)	•			

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6546

Adjusted unit production: 118.09 LCY/hr
Adjusted fleet production: 118.09 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.759/LCY

Total job time: 3,197.52 Hours
Total job cost: \$664,366

TRUCK/LOADER TEAM WORK

Site: Cresson Project	į.	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
			-			
PROJECT IDE	NTIFICATION	=				
Task #: A050		State: Colora		Ab	breviation: No.	
Date: <u>6/29/</u> User: ERR	2025	County: <u>Teller</u>			Filename: A0	504
	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST				is: 1 per day	
-	Truck Loader Tea		Equipment Descri 777F	ption		
	Truck Loader Tea		T 992K			
Supp	oort Equipment -I		D10T - 10SU			
		ump Area: NA				
Road M	Iaintenance – Mot		T 16M ter Tanker, 7,000	Gol		
	- ** 2	itel Truck. Wai	ter ranker, 7,000	Gai.		
Cost Breakdown:	Truck/Lo	ader Team	Support 1	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
% Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
% Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team co	ost/hour: \$2,514.	68				
14.555						
MATERIAL QU	<u>JANTITIES</u>					
Initial volume		CCY		factor: 1.215		
Loose volume	e: 81,5 4	LCY				
	ource of estimated		CC&V Provided	Estimate		
Source	e of estimated swe		Handbook			
	Material Purch	ase Cost: \$0.00 otal Cost: \$0.00				
	10	ψυ.υι	<u> </u>			
HOURLY PRO	DUCTION					
Truck Capacity:						
Truck Payload (we						
Material		••	Pounds/LCY	-		
Desc Rated P	ription: $\frac{\text{Top So}}{200,00}$		Pounds			
Kaled P	ay10au. <u>200,00</u>	10	F Oulius			

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number of	f Loader Passes:	70.40	LCY	
Loading Tool Capacity			Ruck	tet Size Class:	NΔ	
Rated Capacity:	16.000	LCY (heaped)	Duck	ct Size Class.	IVA	_
Bucket Fill Factor:	1.100		t mixtures (100-	-120%) 1 100		_
Adjusted Capacity:	17.600	LCY	t imatures (100	12070) 1.100		_
riajustea Capacity	17.000					
Job Condition Corrections			te Altitude (ft.): 9	2500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				

Loading Tool Cycle Time:	Numbe	r of Loading Tool Pas	sses Required to I	Fill Truck:	4 r	oasses
Loading Tool Cycle Time: Excavators and Front Shove			sses Required to I	Fill Truck:	4 F	oasses
	<u>ls:</u> s. Job Conditio	r of Loading Tool Pas on Rating: NA	sses Required to I	Fill Truck:	4r	oasses
Excavators and Front Shove Machine Cycle Time v	<u>ls:</u> s. Job Conditio within this Basi	r of Loading Tool Pas in Rating: <u>NA</u> ic Rating: <u>NA</u>	sses Required to I	Fill Truck:	4 r	oasses
Excavators and Front Shove Machine Cycle Time v Selected Value	ls: s. Job Conditio within this Basi Material Descr	r of Loading Tool Pas in Rating: <u>NA</u> ic Rating: <u>NA</u>	sses Required to I	Fill Truck:	4r	oasses
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders –	ls: s. Job Conditio within this Basi Material Descr	r of Loading Tool Pas in Rating: <u>NA</u> ic Rating: <u>NA</u>	sses Required to I		4 r	oasses
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	ls: s. Job Conditio within this Basi Material Descr	r of Loading Tool Pasen Rating: NA Rec Rating: NA Inpution: Maneuver: NA		Dump: 0.1		
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	ls: s. Job Conditio within this Basi Material Descr	r of Loading Tool Pasen Rating: NA Rec Rating: NA Inpution: Maneuver: NA		Dump: 0.1	100 0.625 minu	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders –	ls: s. Job Conditio within this Basi Material Descr	r of Loading Tool Pasen Rating: NA Ic Rating: NA Inpition: Maneuver: NA Assic Loader Cycle Times		Dump: 0.1	100 0.625 minu	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors	ls: s. Job Conditio within this Basi Material Descr M Unadjusted Basi Mixed mater	r of Loading Tool Pasen Rating: NA It Rating: NA It NA	ne (load, dump, n	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000	100 0.625 minu Source	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership:	s. Job Condition within this Basi Material Descr M Unadjusted Basi Mixed material No adjustment	r of Loading Tool Pasen Rating: NA Ic Rating: NA Idaneuver: NA Assic Loader Cycle Time ial 0.02 Int - factor not applications in the control of trucks and	ne (load, dump, n	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040	0.625 minu Source (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s. Job Condition within this Basi Material Descr M Unadjusted Basi Mixed mater No adjustment Common ow Constant ope	r of Loading Tool Pasen Rating: NA Rec Rating: NA Inpution: Maneuver: NA Assic Loader Cycle Time and 10.02 Int - factor not applicate the new part of trucks and ration -0.04	ne (load, dump, n	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040	0.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership:	s. Job Condition within this Basi Material Descr M Unadjusted Basi Mixed material No adjustment	r of Loading Tool Pasen Rating: NA Rec Rating: NA In Pasen NA In	me (load, dump, n	Dump:0.1 naneuver): Factor (min.)	0.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s. Job Condition within this Basi Material Descr M Unadjusted Basi Mixed mater No adjustment Common ow Constant ope	r of Loading Tool Pasen Rating: NA Rec Rating: NA Pription: Maneuver: NA Pasic Loader Cycle Time and 10.02 nt - factor not applicate nership of trucks and ration -0.04 pet 0.00 Net Cycle Time	me (load, dump, n ble 0.00 loaders -0.04	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s. Job Condition within this Basi Material Descr M Unadjusted Basi Mixed mater No adjustment Common ow Constant ope	r of Loading Tool Pasen Rating: NA Ic Rating: NA Inipition: Maneuver: NA Isial 0.02 Int - factor not application -0.04 Inipition: Net Cycle Time Adjusted Loader Loading Adjusted Loader	ne (load, dump, n ble 0.00 loaders -0.04 ne Adjustment: er Cycle Time:	Dump:0.1 naneuver): Factor (min.)	0.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	s. Job Condition within this Basi Material Descr M Unadjusted Basi Mixed mater No adjustment Common ow Constant ope	r of Loading Tool Pasen Rating: NA Ic Rating: NA Inipition: Maneuver: NA Isial 0.02 Int - factor not application -0.04 Inipition: Net Cycle Time Adjusted Loader Loading Adjusted Loader	me (load, dump, n ble 0.00 loaders -0.04	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	s. Job Condition within this Basis Material Describer Material Describer Material Describer Mixed Basis Mixed material No adjustment Common ow Constant open Nominal targ	r of Loading Tool Pase on Rating: Control Rating: Control Rating: Control Rating: Maneuver: Mane	ne (load, dump, n ble 0.00 loaders -0.04 ne Adjustment: er Cycle Time: ime per Truck:	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	ites
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time	s. Job Condition within this Basis Material Describe Material Describe Material Describe Mixed Material Basis Mixed material No adjustment Common ow Constant open Nominal targetics: 0.80	r of Loading Tool Pase on Rating: Control Rating: Maneuver: Maneuv	me (load, dump, no loaders -0.04 loaders -0.	Dump:	0.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes minutes 0.800	utes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	s. Job Condition within this Basis Material Description Material Description Material Description Mixed Mixed Material No adjustment Common ow Constant open Nominal targetter (1.795)	r of Loading Tool Pase on Rating: Control Rating: Control Rating: Control Rating: Maneuver: Mane	ne (load, dump, n ble 0.00 loaders -0.04 ne Adjustment: er Cycle Time: ime per Truck: Adjusted Adjusted	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.800 1.832	

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2595.00	1.80	3.00	4.80	1550	1.865

Haul Time: **1.865** minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min) 2595.00 -1.80 3.00 1.20 3503 0.939

Return Time: 0.939 minutes
Total Truck Cycle Time: 6.636 minutes

Selected Number of Trucks: 3 Truck(s)

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 636.56 LCY/Hour Adjusted for job efficiency: 528.35 LCY/Hour

Adjusted hourly truck team production: 1,585.04 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Optimal No. of Trucks: 3 Truck(s)

Fleet size: _____1 Team(s) Total job time: _____61.21 Hours

Unit cost: \$1.888 /LCY Total job cost: **\$153,922**

PROJECT IDENTIFICATION	Cresson Project	Perr	nit Action:	2025 Update M1980244	Permit/Job#:	M1980244
Task #: A0505	DOIECT INEXT	CICATION				
Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat D7R DS Series II LGP Horsepower: 240 Blade Type: Straight Attachment: NA Shift Basis: I per day Data Source: (CRG) Cost Breakdown: Ownership Cost/Hour: \$90.24 NA Operating Cost/Hour: \$90.24 NA Operating Cost/Hour: \$0.00 NA Ripper own. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$0.00 25 Operator Cost/Hour: \$383.59 NA Total unit Cost/Hour: \$207.78 Total unit Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: 67.115 Swell factor: 1.215 Loose volume: 81,545 LCY Source of estimated volume: Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 400 feet Unadjusted hourly production: 180.4 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1.600 lbs/LCY	Task #: A0505 Date: 6/29/20	State:			-	
Basic Machine: Cat D7R D8 Series II LGP Horsepower: 240 Blade Type: Straight Attachment: NA Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Cownership Cost/Hour: \$90.24 NA Operating Cost/Hour: \$90.00 NA Ripper own. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$38.59 NA Total unit Cost/Hour: \$207.78 Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: 67,115 Swell factor: 1.215 Loose volume: 81,545 LCY Source of estimated volume: Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 400 feet Unadjusted hourly production: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY) (G			
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Horsepower: 240 Blade Type: Straight Attachment: NA Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Ownership Cost/Hour: \$90.24 NA Operating Cost/Hour: \$90.00 NA Ripper own. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$0.00 S38.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL OUANTITIES Initial Volume: 67,115 Swell factor: 1.215 Loose volume: 81,545 LCY Source of estimated wolume: Cat Handbook HOURLY PRODUCTION Average push distance: 400 feet Unadjusted hourly production: Loose stockpile 1.2 Average push gradient: -30 % Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY	HOURLY EQUIP	ENT COST				
Blade Type: Attachment: NA NA Shift Basis: 1 per day Utilization % NA Shift Basis: Data Source: (CRG) Cost Breakdown: Ownership Cost/Hour: \$90.24	_		GP	<u> </u>		
Attachment: NA Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Ownership Cost/Hour: \$90.24 NA NA Operating Cost/Hour: \$78.95 100 Ripper own. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$0.00 25 Operator Cost/Hour: \$38.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 Initial Volume: 67,115 Swell factor: 1.215 Loose volume: 81,545 LCY Source of estimated volume: 2022 CC&V Provided Estimate Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 400 feet				_		
Shift Basis: Data Source: (CRG) Cost Breakdown: Ownership Cost/Hour: \$90.24 NA Operating Cost/Hour: \$78.95 100 Ripper own. Cost/Hour: \$0.00 NA Ripper own. Cost/Hour: \$0.00 25 Operator Cost/Hour: \$38.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: 67,115 Swell factor: 1.215 Loose volume: 81,545 LCY Source of estimated volume: Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 400 feet Unadjusted hourly production: 180.4 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY				_		
Data Source: CCRG) Cost Breakdown: Ownership Cost/Hour: \$90.24 NA Operating Cost/Hour: \$78.95 100 Ripper own. Cost/Hour: \$0.00 NA Ripper oyn. Cost/Hour: \$0.00 25 Operator Cost/Hour: \$38.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: 67,115 Swell factor: 1.215 Loose volume: 81,545 LCY Source of estimated volume: Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 400 feet Unadjusted hourly production: 400 feet Unadjusted hourly production: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY				_		
Cost Breakdown: Ownership Cost/Hour: \$90.24 NA Operating Cost/Hour: \$78.95 100 Ripper own. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$0.00 25 Operator Cost/Hour: \$338.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: 67,115 Swell factor: 1.215 Loose volume: 81,545 LCY Source of estimated volume: Cat Handbook HOURLY PRODUCTION Average push distance: 400 feet Unadjusted hourly production: Loose stockpile 1.2 Average push gradient: -30 % Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY	-					
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Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: S207.78 Total unit Cost/Hour: S207.78 MATERIAL QUANTITIES Initial Volume: Swell factor: Loose volume: Source of estimated volume: Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: Unadjusted hourly production: Materials consistency description: Loose stockpile 1.2 Average gush gradient: Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY	Ownership Cost/Ho	:		NA		
Ripper op. Cost/Hour: Operator Cost/Hour: \$38.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: 67,115 Swell factor: 1.215 Loose volume: 81,545 LCY Source of estimated volume: Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: Unadjusted hourly production: Materials consistency description: Loose stockpile 1.2 Average push gradient: Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY				100		
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Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTION Average push distance: Unadjusted hourly production: Materials consistency description: Loose stockpile 1.2 Average push gradient: Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY	Initial Volume: _6	,115				
Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 400 feet Unadjusted hourly production: 180.4 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY			_			
Average push distance: 400 feet Unadjusted hourly production: 180.4 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY				Estimate		
Unadjusted hourly production: 180.4 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY	HOURLY PRODU	CTION				
Average push gradient:30 %			hr			
Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY	Materials consistency	escription: Loose s	tockpile 1.2			
			<u></u>			
Weight description: Top Soil	Material weight:	1,600 lbs/LCY				
	Weight description:	Top Soil				
Job Condition Correction Factor Source						
Operator Skill: 0.750 (AVG.)				` ′		
Material consistency: 1.200 (CAT HB)		-		` ` `		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 248.19 LCY/hr
Adjusted fleet production: 248.19 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.837/LCY

Total job time: 328.56 Hours
Total job cost: \$68,266

BULLDOZER RIPPING WORK

	Task description:	M. Cresson Min	e Area - Top	soil - 10185 - F	Ripping			
Site	: Cresson Project	Per	rmit Action:	2025 Update M1980244	Pe	ermit/Job#:	M1980244	4
	PROJECT IDENT	<u>IFICATION</u>						
	Task #: A0506 Date: 6/29/202 User: ERR	State: County:	Colorado Teller				None A0506	
	Agency or or	rganization name:D	RMS					_
	HOURLY EQUIP	MENT COST						
	Basic Mach	nine: Cat D7R DS Se	eries II LGP		Horsepower:	24	40	
	Ripper Attachm	nent: 3-Shank Ripper	ſ	-	Shift Basis:		r day	
					Data Source:	(CI	RG)	_
	Cost Breakdown:				Utilization %			
	Ov	vnership Cost/Hour:		\$90.24	NA			
				\$78.95	100			
				\$9.25	NA			
		perating Cost/Hour: Operator Cost/Hour:		\$5.20 \$38.59	100 NA			
		otal Unit Cost/Hour:		\$222.23	IVA			
		=	\$222	<u> </u>				
		tal Fleet Cost/Hour:	\$22 2	2.23				
	MATERIAL QUA	<u>NTITIES</u>	Sele	ected estimating	method: Area			
	Alternate Methods:							
smic:	NA		nk Volume:	NA	BCY		ΙA	
Area:	83.20	acres Rip	Depth (ft):	2.50	Volume: 3	35,573	E	3CY or C
	HOURLY PRODU	arce of estimated quanti						
		Seismic Vel	ocity:	NA	feet/seco	ond		
	Area:							
		Average Ripping D		2.45	feet/pass			
		Average Ripping W Average Ripping Le		6.50 400.00	feet/pass feet/pass			
		Average Ripping Le Average Dozer S		88.00	feet/min			
		Average Maneuver		0.25	minutes			
		Production per unit	area:	0.747	acres/ho	ur		
	Job Condition Correct	ion Factors						
	Unadjus	sted Hourly Unit Produc	ction:	0.747	Acres/hr	•		
		Site Alt	itude:	9,500	feet			
		Altitude		1.00	(CAT H	B)		
		Job Effici		0.83	(1 shift/c	•		
		Net Corre	ction:	0.83	multiplie	er		
		Adjusted Hourly Unit Adjusted Hourly Flee		0.62 0.62	Acres/hr Acres/hr			
	JOB TIME AND C	SOST						
	Fleet size:	1 Grader(s)		Total job tim	ne: 13	34.23	Hour	'S
	Unit cost: \$3	358.524 Per acre		Total job cos	st: \$2	9,829		

TRUCK/LOADER TEAM WORK

Site: Cresson Project	,	Permit Action	2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	NTIFICATION	<u> </u>				
Task #:A050	07	State: Colora	ado	Ab	breviation: No	ne
Date: 6/29/	2025	County: Teller			Filename: A0	507
User: ERR						
Agency of	r organization nar	ne: DRMS				
HOURLY EQUI	PMENT COS	<u>r</u>		Shift bas	is: 1 per day	
]	Equipment Descri	ption		
r	Truck Loader Tea		777F			
Supr	oort Equipment -I		T 992K D10T - 10SU			
	-D	ump Area: NA				
Road M	Iaintenance – Mot		T 16M	C.1		
	- W 2	nter Truck: Wat	ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team	Support 1	Equipment		ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA NA	0	NA ©0.00	NA	NA ©0.00	NA ©0.00
Ripper own. cost/hour: Ripper op. cost/hour:	NA NA	\$0.00 \$0.00	\$0.00 \$0.00	NA NA	\$0.00 \$0.00	\$0.00 \$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team co	st/hour: \$2.514	68			<u> </u>	
Total Work team co	φ 2,21 1.	00				
MATERIAL QU	JANTITIES					
Initial volume	e: 81,481	CCY	Swell	factor: 1.215		
Loose volume	98,99	9 LCY				
Sc	ource of estimated	l volume:2022	CC&V Provided	Estimate		
Source	e of estimated swe		Handbook			
	Material Purch	ase Cost: \$0.00 otal Cost: \$0.00				
	10	ψο.οι	-			
HOURLY PRO	<u>DUCTION</u>					
Truck Capacity:						
Truck Payload (wei						
Material v	weight: $\frac{1,600}{\text{Top So}}$		Pounds/LCY			
Rated Pa	· — —		Pounds			

Payload Capacity: 125.00 LCY Truck Bed (volume) Basis: Struck Volume: 60.60 LCY Heaped Volume: 78.80 LCY Average Volume: 69.70 LCY Adjusted Volume: 78.80 LCY	
Struck Volume: 60.60 LCY Heaped Volume: 78.80 LCY Average Volume: 69.70 LCY	
Struck Volume: 60.60 LCY Heaped Volume: 78.80 LCY Average Volume: 69.70 LCY	
Average Volume: 69.70 LCY	
Average Volume: 69.70 LCY	
Adjusted Volume: 78.80 LCY	
Final Truck Volume Based on Number of Loader Passes: 70.40 L	CY
Loading Tool Capacity	
Bucket Size Class: NA	
Rated Capacity: 16.000 LCY (heaped)	
Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100	
Adjusted Capacity: 17.600 LCY	
Job Condition Corrections: Site Altitude (ft.): 9500 feet	
Truck Loader Source	
Altitude Adj: 1.000 0.980 (CAT HB)	
Job Efficiency: 0.830 0.830 (CAT HB)	
Net Correction: 0.830 0.813	
Loading Tool Cycle Time: Number of Loading Tool Passes Required to Fill Truck: 4	passes
Excavators and Front Shovels:	
Machine Cycle Time vs. Job Condition Rating: NA	
Selected Value within this Basic Rating: NA	
Track Loaders – Material Description:	
Track Loaders – Material Description: Cycle Time Elements (min.):	
· · · · · · · · · · · · · · · · · · ·	
Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100	
Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625	minutes
Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 Cycle Time Factors Factor (min.)	Source
Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 Cycle Time Factors Factor Factor Factor (min.) Sometime Material: Mixed material 0.02 0.020 (Compared to the compared to the compa	Source Cat HB)
Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 Cycle Time Factors Factors Factor (min.) S Material: Mixed material 0.02 0.020 (C Stockpile: No adjustment - factor not applicable 0.00 0.000 (C)	Source Cat HB)
Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 Cycle Time Factors Factor Factor Factor (min.) S Material: Mixed material 0.02 0.020 (C Stockpile: No adjustment - factor not applicable 0.00 0.000 (C Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (C)	Source Cat HB) Cat HB) Cat HB)
Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 Cycle Time Factors Factor Factor Factor (min.) S Material: Mixed material 0.02 0.020 (C Stockpile: No adjustment - factor not applicable 0.00 0.000 (C Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (C Operation: Constant operation -0.04 -0.040 (C	Source Cat HB) Cat HB) Cat HB) Cat HB)
Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 Cycle Time Factors Factors Factor (min.) S Material: Mixed material 0.02 0.020 (C Stockpile: No adjustment - factor not applicable 0.00 0.000 (C Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (C Operation: Constant operation -0.04 -0.040 (C Dump Target: Nominal target 0.00 0.000 (C)	Cat HB) Cat HB) Cat HB) Cat HB) Cat HB) Cat HB)
Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 Cycle Time Factors Factors Factor (min.) S Material: Mixed material 0.02 0.020 (C Stockpile: No adjustment - factor not applicable 0.00 0.000 (C Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (C Operation: Constant operation -0.04 -0.040 (C Dump Target: Nominal target 0.00 0.000 (C) Net Cycle Time Adjustment: -0.060 mr	Cat HB) Cin HB)
Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 Cycle Time Factors Factors Factor (min.) S Material: Mixed material 0.02 0.020 (C Stockpile: No adjustment - factor not applicable 0.00 0.000 (C Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (C Operation: Constant operation -0.04 -0.040 (C Dump Target: Nominal target 0.00 0.000 (C Net Cycle Time Adjustment: -0.060 m Adjusted Loader Cycle Time: 0.565 m	Cat HB) Cat HB) Cat HB) Cat HB) Cat HB) Cat HB)
Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 Cycle Time Factors Factors Factor (min.) Sometime of the factor of the factor (min.) Sometime of truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (COM) Operation: Constant operation -0.04 -0.040 (COM) Dump Target: Nominal target 0.00 -0.000 (COM) Net Cycle Time Adjustment: -0.060 maneur of the factor of the fact	Cat HB) cininutes cininutes
Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 Cycle Time Factors Factors Factor (min.) S Material: Mixed material 0.02 0.020 (C Stockpile: No adjustment - factor not applicable 0.00 0.000 (C Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (C Operation: Constant operation -0.04 -0.040 (C Dump Target: Nominal target 0.00 0.000 (C Net Cycle Time Adjustment: -0.060 m Adjusted Loader Cycle Time: 0.565 m Net Load Time per Truck: 1.795 m Truck Cycle Time:	Cat HB) cininutes cininutes
Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 Cycle Time Factors Factors Factor (min.) Sometime in the properties of trucks and loaders -0.04	Cat HB) Cat HB) Cat HB) Cat HB) Cat HB) Cat HB) Cininutes Can HB) Can

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

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Haul Route:

Seg	# Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	5001.00	-3.00	3.00	0.00	3503	1.806

Haul Time: **1.806** minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min) 5001.00 3.00 6.00 2853 3.00 2.048

Return Time: 2.048 minutes
Total Truck Cycle Time: 7.686 minutes

Loading Tool unit

Production Truck Unit Production

Truck Unit Production

549.60 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour

Adjusted for job efficiency: 456.17 LCY/Hour

Optimal No. of Trucks: 3 Truck(s)

Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,368.50 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 74.31 Hours

Unit cost: \$1.888 /LCY Total job cost: **\$186,870**

Cresson Project		Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDEN	TIFICATIO	N				
Task #: A050			Colorado		A h.h	None
Date: 6/29/2		State:	Teller		Abbreviation: Filename:	A0508
User: ERR	2023	County:	Tellel		rnename.	A0306
	organization n	omo: DI	OMC			
	organization n		avis			
HOURLY EQUI	PMENT CO	<u>ST</u>				
Basic Machine:	Cat D7R DS	Series II L	GP			
Horsepower:	240					
Blade Type:	Straight					
Attachment:	NA			<u></u>		
Shift Basis:	1 per day					
Data Source:	(CRG)			<u></u>		
Cost Breakdown:				TT. TT.		
0 11 0	.		φοο 2.4	<u>Utilization %</u>		
Ownership Cost/H			\$90.24	NA 100		
Operating Cost/H			\$78.95	100		
Ripper own. Cost/H			\$0.00	NA 25		
Ripper op. Cost/H			\$0.00	25		
Operator Cost/H	lour:		\$38.59	NA		
Total unit Cost/Hou Total Fleet Cost/Ho MATERIAL QU	sur: \$207.7					
Total Fleet Cost/Ho	aur: \$207.7 ANTITIES 81,481					
Total Fleet Cost/Ho MATERIAL QU	ANTITIES 81,481 1.215					
Total Fleet Cost/Ho MATERIAL QU Initial Volume:	aur: \$207.7 ANTITIES 81,481					
MATERIAL QU Initial Volume: Swell factor: Loose volume:	ANTITIES 81,481 1.215 98,999 LCY	8	 &V Provide	1 Estimate		
MATERIAL QU Initial Volume: Swell factor:	ANTITIES 81,481 1.215 98,999 LCY volume:	8	 &V Provided book	1 Estimate		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	ANTITIES 81,481 1.215 98,999 LCY volume: swell factor:	2022 CC		1 Estimate		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated	ANTITIES 81,481 1.215 98,999 LCY volume: swell factor:	2022 CC		l Estimate		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	ANTITIES 81,481 1.215 98,999 LCY volume: swell factor: DUCTION	2022 CC		l Estimate		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	ANTITIES 81,481 1.215 98,999 LCY volume: swell factor: DUCTION nce:	2022 CCc Cat Hand	book	1 Estimate		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar	### ### ##############################	2022 CCc Cat Hand 220 feet 266.4 LCY	book			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly p	ANTITIES 81,481 1.215 98,999 LCY volume: swell factor: DUCTION nce: production:	2022 CCc Cat Hand 220 feet 266.4 LCY	book /hr			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly p	ANTITIES 81,481 1.215 98,999 LCY volume: swell factor: DUCTION nce: cry description: ent: -30 %	2022 CCc Cat Hand 220 feet 266.4 LCY/ Loose s	book /hr			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly publication Materials consistence Average push gradie	### ### ##############################	2022 CCc Cat Hand 220 feet 266.4 LCY/ Loose s	book /hr			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly p Materials consistence Average push gradic Average site altitude	### ### ##############################	2022 CCc Cat Hand 220 feet 266.4 LCY/ Loose :	book /hr			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly p Materials consistence Average push gradic Average site altitude Material weight: Weight description: Job Condition Corre	### ### ### ### #### #### ############	2022 CCc Cat Hand 220 feet 266.4 LCY Loose :	book /hr stockpile 1.2	Source		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push distar Unadjusted hourly p Materials consistence Average push gradic Average site altitude Material weight: Weight description: Job Condition Correct Ope	### ### ##############################	2022 CCc Cat Hand 220 feet 266.4 LCY Loose :	book /hr			

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 366.51 LCY/hr
Adjusted fleet production: 366.51 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.567/LCY

Total job time: 270.11 Hours
Total job cost: \$56,123

BULLDOZER RIPPING WORK

Task description:	M. Cresson Mine Area -	Topsoil - Ruby Rd	- Ripping		
Site: Cresson Project	Permit Actio	on: 2025 Update M1980244	Peri	nit/Job#: M	1980244
PROJECT IDE	NTIFICATION				
Task #: A050 Date: 6/29/ User: ERR	/2025 County: Teller			viation: No ename: A0	ne 509
Agency o	or organization name: DRMS				
HOURLY EQU	IPMENT COST				
Basic M	Iachine: Cat D7R DS Series II L0	GP	Horsepower:	240	
Ripper Attac	chment: 3-Shank Ripper		Shift Basis:	1 per da	
			Data Source:	(CRG))
Cost Breakdown:		ı			
	O manufactor Contactor	¢00.24	Utilization %		
	Ownership Cost/Hour: Operating Cost/Hour:	\$90.24 \$78.95	NA 100		
Ripper	Ownership Cost/Hour:	Φ0.25	NA		
	er Operating Cost/Hour:	\$5.20	100		
	Operator Cost/Hour:	\$38.59	NA		
	Total Unit Cost/Hour:	\$222.23			
	Total Fleet Cost/Hour:	\$222.23			
MATERIAL QU	JANTITIES	Selected estimating	mathad: Araa		
Alternate Methods		Selected estimating	, memou. Area		
mic: NA	- Bank Volum	ne: NA	BCY	NA	
rea: 73.30	acres Rip Depth (fi			5,643	BCY or
HOURLY PRO		274	S /		
	Seismic Velocity:	NA	feet/secon	d	
Area:		2.47	0 /		
	Average Ripping Depth: Average Ripping Width:	2.45 6.50	feet/pass feet/pass		
	Average Ripping Width: Average Ripping Length:	300.00	feet/pass		
	Average Dozer Speed:	88.00	feet/minut	te	
	Average Maneuver Time:	0.25	minutes/p		
	Production per unit area:	0.734	acres/hour	r	
Job Condition Corr	rection Factors				
Unac	djusted Hourly Unit Production:	0.734	Acres/hr		
	Site Altitude:	9,500	feet		
	Altitude Adj:	1.00	(CAT HB		
	Job Efficiency:	0.83	(1 shift/da	•	
	Net Correction:	0.83	multiplier		
	Adjusted Hourly Unit Producti		Acres/hr Acres/hr		
	Adjusted Hourly Fleet Producti	ion: 0.61	ACICS/III		
JOB TIME ANI	· ·	ion:	Acres/iii		
JOB TIME ANI Fleet size:	· ·	Total job tim		.31	_ Hours

TRUCK/LOADER TEAM WORK

	Task description:	M. Cres	son Mine Area -	Topsoil - AJAX	- Transport		
Site	: Cresson Project		Permit Action	2025 Update M1980244		Permit/Job#: M	1980244
	PROJECT IDEN	NTIFICATION	[
	Task #: A051		State: Colora	ndo	Ab	breviation: No	
	Date: 6/29/	2025	County: Teller			Filename: A0	510
	User: ERR						
	Agency or	r organization nar	ne: DRMS				
	HOURLY EQUI	PMENT COST	<u>r</u>		Shift bas	is: 1 per day	
-				Equipment Descri	ption		
	-	Fruck Loader Tea		777F Г 992К			
-	Supr	oort Equipment -L		D10T - 10SU			
_		-Dı	ump Area: NA				
	Road M	laintenance –Mot		Γ 16M	Cal		
=		- vv a	ter Truck: Wat	er Tanker, 7,000	Gal.		
	Cost Breakdown:	Truck/Loa	ader Team	Support 1	Equipment	Maintenan	ce Equipment
		Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%U1	ilization-machine:	100	100	100	NA	25	25
Ow	nership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Oj	perating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
Ģ	%Utilization-riper:	NA	0	NA	NA	NA	NA
	er own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
	oper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
	Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
	Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
	Number of Units:	3	1	1	0	1	1
	Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
	Total work team co	st/hour: \$2,514.	68				
	MATERIAL QU	ANTITIES					
	Initial volume		CCY	Swell	factor: 1.215		
	Loose volume	59,40	LCY				
		ource of estimated		CC&V Provided	Estimate		
	Source	e of estimated swe Material Purch		Handbook			
			otal Cost: \$0.00				
	HOURLY PRO	<u>DUCTION</u>					
	Truck Capacity:						
	Truck Payload (wei						
	Material v	weight: $1,600$ ription: Top So	.:1	Pounds/LCY	-		

					_	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Fina	l Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Puol	xet Size Class: N	IΛ	
Potad Consoitus	16 000	LCY (heaped)	Buck	tet Size Class. N	IA .	
Rated Capacity: Bucket Fill Factor:	16.000 1.100	Other - rock/dirt	miyturos (100	120%) 1 100		_
Adjusted Capacity:	17.600	LCY	illixtures (100	-120%) 1.100		=
Aujusteu Capacity.	17.000	LCI				
Job Condition Corrections	<u>:</u>	Sit	e Altitude (ft.): 9	<u>9500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Loading Tool Cycle Times	Number	0.813 r of Loading Tool Pas	ses Required to l	Fill Truck:	4	passes
	Number		ses Required to l	Fill Truck:	4 1	passes
Loading Tool Cycle Times Excavators and Front Shove Machine Cycle Times	Number	r of Loading Tool Pas n Rating: NA	ses Required to l	Fill Truck:		passes
Loading Tool Cycle Times Excavators and Front Shove Machine Cycle Times	Number els: vs. Job Condition within this Basi	r of Loading Tool Pas n Rating: NA c Rating: NA	ses Required to l	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time Selected Value	Number Nu	r of Loading Tool Pas n Rating: NA c Rating: NA	ses Required to l	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders -	Number Pls: Vs. Job Condition Within this Basi Material Description	r of Loading Tool Pas n Rating: NA c Rating: NA	ses Required to l	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.)	Number Nu	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA		Dump: 0.100)	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA	Number Nu	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA		Dump: 0.100)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Number Pls: Vs. Job Condition Within this Basi Material Descript Unadjusted Basi Mixed material	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Times	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020) .625 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Number Pls: Vs. Job Condition within this Basi Material Descr : Moduli Mixed Material No adjustmen	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicab	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000) Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Pls: Vs. Job Condition within this Basi Material Descript Unadjusted Basi Mixed materi No adjustmer Common own	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicationship of trucks and in	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Pls: Vs. Job Condition within this Basi Material Descript Unadjusted Basi Mixed materi No adjustmer Common own Constant oper	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time alal 0.02 nt - factor not applicate nership of trucks and bration -0.04	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Pls: Vs. Job Condition within this Basi Material Descript Unadjusted Basi Mixed materi No adjustmer Common own	n Rating: NA	ole 0.00	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Pls: Vs. Job Condition within this Basi Material Descript Unadjusted Basi Mixed materi No adjustmer Common own Constant oper	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and I ration -0.04 et 0.00 Net Cycle Time	ole 0.00 loaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Pls: Vs. Job Condition within this Basi Material Descript Unadjusted Basi Mixed materi No adjustmer Common own Constant oper	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	ole 0.00 loaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Pls: Vs. Job Condition within this Basi Material Descript Unadjusted Basi Mixed materi No adjustmer Common own Constant oper	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	ne (load, dump, no loaders -0.04 loaders -0.04 loaders - Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Pls: Vs. Job Condition within this Basi Material Describ Unadjusted Basi Mixed materi No adjustmer Common own Constant open Nominal targ	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	e (load, dump, note of the 0.00 loaders -0.04 loaders -0.04 loaders r Cycle Time: me per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes — — —
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Pls: Vs. Job Condition within this Basi Material Describe Unadjusted Ba Mixed materi No adjustmer Common own Constant oper Nominal targ	n Rating: NA c Rating: NA iption: NA Ianeuver: NA isial 0.02 nt - factor not applicate nership of trucks and iration -0.04 et 0.00 Net Cycle Time Adjusted Loade Net Load Time	ne (load, dump, no loaders -0.04 loaders -0.04 loaders - Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time:	Number Pls: Vs. Job Condition within this Basi Material Descr Unadjusted Basi Mixed materi No adjustmer Common own Constant oper Nominal targ E: 0.80 E: 0.80 E: 1.795	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loade Net Load Time Minutes	ne (load, dump, no loaders -0.04 loaders -0.	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2525.00	5.00	3.00	8.00	985	2.654

Task # A0510

Haul Time: 2.654 minutes

Return Route:

iccum icc	rute.					
Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2525.00	-5.00	3.00	-2.00	3503	0.759

Return Time: 0.759 minutes
Total Truck Cycle Time: 7.245 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 583.05 LCY/Hour Adjusted for job efficiency: 483.93 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,451.80 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 44.59 Hours

Unit cost: \$1.888 /LCY Total job cost: **\$112,130**

Cresson Project	Perr	nit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENTIFICA	ATION				
Task #: A0511 Date: 6/29/2025	State: County:	Colorado Teller		Abbreviation: Filename:	None A0511
User: ERR					
Agency or organiza	ntion name: <u>DR</u>	MS			
HOURLY EQUIPMENT	Γ COST				
Basic Machine: Cat D7	R DS Series II LO	GP			
Horsepower: 240					
Blade Type: Straigh	nt				
Attachment: NA			<u> </u>		
Shift Basis: 1 per d			<u> </u>		
Data Source: (CRG)			<u>—</u>		
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/Hour:		\$90.24	NA		
Operating Cost/Hour:		\$78.95	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	25		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUANTIT Initial Volume: 48,892	<u>IES</u>				
Swell factor: 1.215 Loose volume: 59,404	LCY				
Source of estimated volume: Source of estimated swell fac		V Provided	l Estimate		
HOURLY PRODUCTION	<u>ON</u>				
Average push distance: Unadjusted hourly productio	50 feet 800.0 LCY/	hr			
Materials consistency descrip	ption: Loose s	tockpile 1.2			
	30 % 0,500 feet	<u> </u>			
Material weight:1	,600 lbs/LCY			_	
Weight description:	Cop Soil				
Job Condition Correction Far Operator Ski		750	Source (AVG.)		
Material consistence		200	(CAT HB)		
Dozing metho		000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 1,100.64 LCY/hr
Adjusted fleet production: 1100.64 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.189/LCY

Total job time: 53.97 Hours
Total job cost: \$11,214

BULLDOZER RIPPING WORK

Task description:	M. Cresson Mine	e Area - Top	soil - AJAX - 1	Ripping			
Site: Cresson Project	Peri	mit Action:	2025 Update M1980244	Pe	ermit/Job#:	M198024	4
PROJECT IDENTIF	<u>ICATION</u>						
Task #: A0512 Date: 6/29/2025 User: ERR	State: County:	Colorado Teller			reviation: _ Filename: _	None A0512	
Agency or orga	nization name: <u>DR</u>	RMS					
HOURLY EQUIPME	ENT COST						
Basic Machine	e: Cat D7R DS Sei	ries II LGP		Horsepower:	2	40	
Ripper Attachmen	t: 3-Shank Ripper		<u> </u>	Shift Basis:		r day	
				Data Source:	(C)	RG)	_
Cost Breakdown:			1	TT: 11 0/			
Owne	ership Cost/Hour:		\$90.24	Utilization % NA			
	· · · C · /II		\$78.95	100			
Ripper Owne	ership Cost/Hour:		\$9.25	NA			
	rating Cost/Hour:		\$5.20	100			
<u>*</u>	erator Cost/Hour: Unit Cost/Hour:		\$38.59 \$222.23	NA			
			\$222.23				
Total	Fleet Cost/Hour:	\$222	2.23				
MATERIAL QUANT	<u> TITIES</u>	Sele	ected estimating	g method: Area			
Alternate Methods:							
mic: NA	Banl	k Volume:	NA	BCY	N	NΑ	
		Depth (ft):	2.50		34,350		BCY or 0
HOURLY PRODUC'Seismic:	<u>FION</u> Seismic Velo	oitv:	NA	feet/seco	and		
	Scisific velo	City	IVA	100/800	mu		
Area:	Average Ripping De	enth:	2.45	feet/pass	2		
	Average Ripping W		6.50	feet/pass			
	Average Ripping Ler	ngth:	100.00	feet/pass			
	Average Dozer Sp		88.00	feet/min			
	Average Maneuver T Production per unit a		0.25 0.646	minutes, acres/ho			
Lab Com Palan Commenting	•	area	0.040	acres/no	uı		
Job Condition Correction			0.646	A /I.			
Unadjusted	l Hourly Unit Produc		0.646	Acres/hi	ſ		
	Site Altit Altitude		9,500 1.00	feet (CAT H	R)		
	Job Efficie	ncv:	0.83	(1 SH117)	uavi		
	Job Efficie Net Correc		0.83 0.83	(1 shift/o	•		
		tion: Production:			•		
	Net Corrected Hourly Unit djusted Hourly Fleet	tion: Production:	0.83	multiplic	•		
A	Net Correct Adjusted Hourly Unit djusted Hourly Fleet ST	tion: Production:	0.83	multiplic Acres/hr Acres/hr	•	Houi	rs

TRUCK/LOADER TEAM WORK

Site: Cresson Project	:	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	NTIFICATION]				
Task #:A051		State: Colora	ado	Ab	breviation: No	ne
Date: 6/29/	2025	County: <u>Teller</u>			Filename: A0	513
User: ERR		DDMC				
Agency o	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day	
	T1. I1		Equipment Descri	ption		
	Truck Loader Tea		777F T 992K			
Supp	oort Equipment -I	Load Area: Cat	D10T - 10SU			
Road M	-Di Iaintenance –Mot	ump Area: NA	T 16M			
			ter Tanker, 7,000	Gal.		
Coat Bussladoum	T1-/I	ader Team	C	C:	Maintanan	E
Cost Breakdown:	Truck	Loader	Load Area	Equipment Dump Area	Motor Grader	Ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour: Operator cost/hour:	NA \$25.24	\$0.00 \$36.85	\$0.00 \$38.59	NA NA	\$0.00 \$27.76	\$0.00 \$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA NA	\$27.76	\$115.35
Number of Units:	2	\$337.91 1	\$492.91 1	0	3237.00	1
Group Subtotals:	Work:	\$1,292.21	Support:	\$492.91	Maint:	\$352.41
-		<u>.</u>	Support.	ψ./ 2. /21	TVIAIIT.	Ф302.11
Total work team co	st/hour: \$2,137.	53				
MATERIAL QU	JANTITIES					
Initial volume	e: 48,892	CCY	Swell	factor: 1.215		
Loose volume				1.215		
Sc	ource of estimated	l volume: 2022	CC&V Provided	Estimate		
Source	e of estimated swe	ell factor: Cat I	Handbook			
	Material Purch					
	10	otal Cost:\$0.00)			
HOURLY PRO	<u>DDUCTION</u>					
Truck Capacity:						
Truck Payload (we						
Material		ડાં1	Pounds/LCY			
Rated P	· — —		Pounds			

					Page 2 01 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Fina	Truck Volume	Based on Number of I	Loader Passes:	70.40	LCY	
Loading Tool Capacity			D1	or Gira Channa N		
Data 1 Committee	16,000	I CW (harman)	Виск	tet Size Class: N	A	_
Rated Capacity: Bucket Fill Factor:	16.000 1.100	LCY (heaped) Other - rock/dirt i	mintumas (100	1200/) 1 100		_
Adjusted Capacity:	1.100 17.600	LCY	mixtures (100	-120%) 1.100		_
Aujusted Capacity.	17.000					
Job Condition Corrections	<u>:</u>	Site	Altitude (ft.): 9	<u>9500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Tier Correction.	0.020	0.013				
Loading Tool Cycle Times	Number	of Loading Tool Pass	es Required to l	Fill Truck:	4	passes
	Number		es Required to 1	Fill Truck:	4 1	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time:	Number	r of Loading Tool Pass n Rating: <u>NA</u>	es Required to I	Fill Truck:	4	passes
Excavators and Front Shove Machine Cycle Time Selected Value	Number Sels: Variable Condition Which within this Basic	n Rating: NA c Rating: NA	es Required to l	Fill Truck:	4	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time:	Number Nu	n Rating: NA c Rating: NA	es Required to I	Fill Truck:	4	passes
Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders –	Number Nu	n Rating: NA c Rating: NA	es Required to l	Fill Truck: Dump:0.100		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.)	Number Pls: Vs. Job Condition Within this Basic Material Descript M	n Rating: C Rating: NA Diption: NA Ianeuver: NA		Dump: 0.100)	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA	Number Pls: Vs. Job Condition Within this Basic Material Descript M	n Rating: C Rating: NA Diption: NA Ianeuver: NA		Dump: 0.100)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Number Pls: Vs. Job Condition Within this Basic Material Descript Mixed material	n Rating: C Rating: NA In Rating: NA In Rating: NA In NA	e (load, dump, n	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020	0 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Number Vest S. Job Condition Within this Basic Material Description Mixed material No adjustment	n Rating: n Rating: NA c Rating: NA iption: Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable	e (load, dump, n	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020 0.000	.625 min Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Pls: Vs. Job Condition Within this Basic Material Descript Unadjusted Basic Mixed materi No adjustmer Common own	n Rating: NA CRATING: NA	e (load, dump, n	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Pls: Vs. Job Condition within this Basic Material Description Unadjusted Basic Mixed materi No adjustmer Common own Constant open	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and loration -0.04	e (load, dump, n	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Pls: Vs. Job Condition Within this Basic Material Descript Unadjusted Basic Mixed materi No adjustmer Common own	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and location -0.04 et 0.00	e (load, dump, n	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Pls: Vs. Job Condition within this Basic Material Description Unadjusted Basic Mixed materi No adjustmer Common own Constant open	n Rating: NA c Rating: NA iption: NA laneuver: NA laneuver: NA lasic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and loration -0.04 et 0.00 Net Cycle Time	e (load, dump, n e 0.00 paders -0.04	Dump: 0.100 naneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Pls: Vs. Job Condition within this Basic Material Description Unadjusted Basic Mixed materi No adjustmer Common own Constant open	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and location -0.04 et 0.00	e (load, dump, no le 0.00 loaders -0.04 loaders -Cycle Time:	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Pls: Vs. Job Condition within this Basic Material Description Unadjusted Basic Mixed materi No adjustmer Common own Constant open	n Rating: NA c Rating: NA iption: NA isic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and loration -0.04 et 0.00 Net Cycle Time Adjusted Loader	e (load, dump, no le 0.00 loaders -0.04 loaders -Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Pls: Ps. Job Condition within this Basic Material Descript Unadjusted Basic Mixed materi No adjustmer Common own Constant open Nominal targe	n Rating: NA c Rating: NA iption: NA isic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and loration -0.04 et 0.00 Net Cycle Time Adjusted Loader	e (load, dump, no e 0.00 paders -0.04 Adjustment: Cycle Time: ne per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes — — —
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number Vs. Job Condition within this Basic Material Description Unadjusted Basic No adjustmer Common own Constant open Nominal target e: 0.80	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and loration -0.04 et 0.00 Net Cycle Time Adjusted Loader Net Load Tin	e (load, dump, no e 0.00 paders -0.04 Adjustment: _Cycle Time: _ne per Truck: _	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time: Truck Exchange Time	Number Pls: Tes. Job Condition within this Basic Material Description Unadjusted Basic Mixed materi No adjustmer Common own Constant oper Nominal targe E: 0.80 E: 1.795	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and leration -0.04 et 0.00 Net Cycle Time Adjusted Loader Net Load Tin Minutes	e (load, dump, note of the load of the load) Adjustment: Cycle Time: The per Truck: Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1308.00	3.70	3.00	6.70	1160	1.246

Haul Time: **1.246** minutes Return Route: Total Res Travel Seg# Haul Distance Grade (%) Roll. Res Velocity Time (Ft) (%) (%) (fpm) (min) 1308.00 -3.70 3.00 -0.70 3503 0.428

Return Time: 0.428 minutes
Total Truck Cycle Time: 5.506 minutes

Loading Tool unit

Production Truck Unit Production

Truck Unit Production

Truck Unit Production

Truck Unit Production

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Truck Unit

Adjusted hourly truck team production: 1,273.58 LCY/Hour Adjusted single truck/loader team production: 1,273.58 LCY/Hour Adjusted multiple truck/loader team production: 1,273.58 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 46.64
 Hours

 Unit cost:
 \$1.678
 /LCY
 Total job cost:
 \$99,701

Task description: M.	Cresson Min	e Area -Top	soil - Crusher - Dozer S	Spreading	
Cresson Project	Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENTIFICATI	ION				
		C-11-		A 1.1	M
Task #: A0514 Date: 6/29/2025	State:	Colorado Teller		Abbreviation: Filename:	None A0514
Date: <u>6/29/2025</u> User: ERR	County:	Teller		riiename:	A0514
Agency or organization	n name: <u>DI</u>	RMS			
HOURLY EQUIPMENT C	<u>OST</u>				
	OS Series II L	GP	<u> </u>		
Horsepower: 240					
Blade Type: Straight					
Attachment: NA			<u> </u>		
Shift Basis: 1 per day			<u>—</u>		
Data Source: (CRG)			<u> </u>		
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/Hour:		\$90.24	NA		
Operating Cost/Hour:		\$78.95	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	25		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUANTITIES	<u>S</u>				
Initial Volume: 48,892					
Swell factor: 1.215					
Loose volume: 59,404 LCY	Y				
Source of estimated volume:	2022 CC	— &V Provided	l Estimate		
Source of estimated swell factor			- Estimate		
HOURLY PRODUCTION					
Average push distance:	75 feet				
Unadjusted hourly production:	594.6 LCY	/hr			
Materials consistency descriptio	n: Loose	stockpile 1.2			
Average push gradient: -30 9	%				
<i>2</i> 1	0 feet				
Material weight: 1,60	0 lbs/LCY				
Weight description: Top	Soil				
Job Condition Correction Factor Operator Skill:		.750	Source (AVG.)		
Material consistency:	U.	130	(A vu.)		
Material consistency:	1	.200	(CAT HB)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 818.05 LCY/hr
Adjusted fleet production: 818.05 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.254/LCY

Total job time: 72.62 Hours
Total job cost: \$15,088

BULLDOZER RIPPING WORK

	Task description:	Wi. Ci Cosoni Willia	Aica - Iup	bon Crubiler	- Ripping		
Site:	: Cresson Project	Pern	mit Action:	2025 Update M1980244	Per	mit/Job#: M19	980244
	PROJECT IDENTIF	<u>ICATION</u>					
	Task #: A0515 Date: 6/29/2025 User: ERR	State: County:	Colorado Teller			viation: None A05	
	Agency or orga	nization name: <u>DF</u>	RMS				
	HOURLY EQUIPMI	ENT COST					
	Basic Machin	e: Cat D7R DS Sei	ries II LGP		Horsepower:	240	
	Ripper Attachmen	t: 3-Shank Ripper			Shift Basis:	1 per day	,
					Data Source:	(CRG)	
	Cost Breakdown:				Utilization %		
	Own	ership Cost/Hour:		\$90.24	NA		
				\$78.95	100		
		ership Cost/Hour: rating Cost/Hour:		\$9.25 \$5.20	NA 100		
		erator Cost/Hour:		\$3.20	NA		
	*	l Unit Cost/Hour:		\$222.23			
	Total	Fleet Cost/Hour:	\$222	2.23			
	MATERIAL QUANT	HHES	Sele	ected estimating	g method: Area		
	Alternate Methods:						
smic:	NA CO CO		k Volume:	NA 2.50	BCY	NA NA	DOV (
Area:	60.61 ac	eres Rip	Depth (ft): _	2.50	Volume: 24	14,460	BCY or C
	Sourc	e of estimated quantit	y: <u>2022 C</u>	C&V Provided	Estimate		
	HOURLY PRODUC	<u>TION</u>					
	Seismic:						
		Seismic Velo	city:	NA	feet/secor	ıd	
	Area:						
		Average Ripping De	enth:				
				2.45	feet/pass		
		Average Ripping I or	idth:	6.50	feet/pass		
		Average Ripping Lei	idth:	6.50 100.00	feet/pass feet/pass	te	
			idth: ngth:	6.50	feet/pass		
		Average Ripping Ler Average Dozer Sp	idth: ngth: need:	6.50 100.00 88.00	feet/pass feet/pass feet/minu	oass	
	Job Condition Correction	Average Ripping Ler Average Dozer Sp Average Maneuver T Production per unit	idth: ngth: need:	6.50 100.00 88.00 0.25	feet/pass feet/pass feet/minu minutes/p	oass	
		Average Ripping Ler Average Dozer Sp Average Maneuver T Production per unit	idth: ngth: need: ime: area:	6.50 100.00 88.00 0.25	feet/pass feet/pass feet/minu minutes/p	oass	
		Average Ripping Ler Average Dozer Sp Average Maneuver T Production per unit a 1 Factors d Hourly Unit Produc	idth:	6.50 100.00 88.00 0.25 0.646	feet/pass feet/pass feet/minu minutes/p acres/hou Acres/hr	oass	
		Average Ripping Ler Average Dozer Sp Average Maneuver T Production per unit and Factors	idth: ngth: need: ime: area: tion:	6.50 100.00 88.00 0.25 0.646	feet/pass feet/pass feet/minu minutes/p acres/hou	oass r	
		Average Ripping Let Average Dozer Sp Average Maneuver T Production per unit a Factors d Hourly Unit Produc Site Altit	idth: idth: ingth: peed: ime: area: tion: aude: Adj:	6.50 100.00 88.00 0.25 0.646 0.646	feet/pass feet/pass feet/minu minutes/p acres/hou Acres/hr feet	oass r	
		Average Ripping Let Average Dozer Sp Average Maneuver T Production per unit and Factors d Hourly Unit Product Site Altitude	idth:	6.50 100.00 88.00 0.25 0.646 0.646 9,500 1.00	feet/pass feet/pass feet/minu minutes/p acres/hou Acres/hr feet (CAT HB	oass r 3) ay)	
	Unadjuste	Average Ripping Let Average Dozer Sp Average Maneuver T Production per unit a 1 Factors d Hourly Unit Product Site Altity Altitude Job Efficie Net Correct Adjusted Hourly Unit	idth: ingth: ing	6.50 100.00 88.00 0.25 0.646 0.646 9,500 1.00 0.83 0.83	feet/pass feet/pass feet/pass feet/minu minutes/p acres/hou Acres/hr feet (CAT HB (1 shift/da multiplier Acres/hr	oass r 3) ay)	
	Unadjuste	Average Ripping Let Average Dozer Sp Average Maneuver T Production per unit a Factors d Hourly Unit Produc Site Altit Altitude Job Efficie Net Correc	idth: ingth: ing	6.50 100.00 88.00 0.25 0.646 0.646 9,500 1.00 0.83 0.83	feet/pass feet/pass feet/pass feet/minu minutes/p acres/hou Acres/hr feet (CAT HB (1 shift/da multiplier	oass r 3) ay)	
	Unadjuste	Average Ripping Ler Average Dozer Sp Average Maneuver T Production per unit a 1 Factors d Hourly Unit Produc Site Altitude Job Efficie Net Correct Adjusted Hourly Unit Adjusted Hourly Fleet	idth: ingth: ing	6.50 100.00 88.00 0.25 0.646 0.646 9,500 1.00 0.83 0.83	feet/pass feet/pass feet/pass feet/minu minutes/p acres/hou Acres/hr feet (CAT HB (1 shift/da multiplier Acres/hr	oass r 3) ay)	
	Unadjusted A JOB TIME AND CO	Average Ripping Ler Average Dozer Sp Average Maneuver T Production per unit a 1 Factors d Hourly Unit Produc Site Altitude Job Efficie Net Correct Adjusted Hourly Unit Adjusted Hourly Fleet	idth: ingth: ing	6.50 100.00 88.00 0.25 0.646 0.646 9,500 1.00 0.83 0.83	feet/pass feet/pass feet/pass feet/minu minutes/p acres/hou Acres/hr feet (CAT HB (1 shift/da multiplier Acres/hr Acres/hr	oass r 3) ay)	Hours

TRUCK/LOADER TEAM WORK

Task description:	M. Cres	sson Mine Area -	Topsoil - Pit Bot	tom - Transport		
Site: Cresson Project	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE Task #: A05 Date: 6/29/ User: ERR	16	State: Colora County: Teller	ado	Ab	breviation: No. Filename: A0.	
Agency o	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	_	F		is: <u>1 per day</u>	
	Truck Loader Tea	ım -Truck: Cat	Equipment Descri 777F	puon		
Supp	port Equipment -I		Г 992К D10T - 10SU			
Road N	laintenance –Mot	or Grader: CA	Γ 16M ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo Truck	ader Team Loader	Support l Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	8	1	1	0	1	1
Group Subtotals:	Work:	\$3,555.11	Support:	\$492.91	Maint:	\$352.41
Total work team co	JANTITIES	<u>43</u>	Swell	factor: 1.215		
	ource of estimated e of estimated swe Material Purch	l volume: 2022 ell factor: Cat H	CC&V Provided Handbook	Estimate		
HOURLY PRO	_					
	weight: 1,600 ription: Top So		Pounds/LCY			
Rated P	ayload: <u>200,00</u>	0	Pounds			

Payload Capacity:	125.00	LCY				
True als De d (control a) Design						
Truck Bed (volume) Basis: Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
	70.00	201				
	Truck Volume	e Based on Number of	of Loader Passes:	70.40	LCY	
Loading Tool Capacity			Ruck	tet Size Class: N	ĪΛ	
Rated Capacity:	16.000	LCY (heaped)			IA	_
Bucket Fill Factor:	1.100	Other - rock/di	rt mixtures (100-	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY				
Job Condition Corrections	<u>:</u>	S	lite Altitude (ft.): 9	2 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Net Correction: Loading Tool Cycle Time:		0.813 er of Loading Tool Pa	asses Required to F	Fill Truck:	4 ,	passes
	Numbe	ı	asses Required to F	Fill Truck:	4	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v	Numbe ls: s. Job Conditio	er of Loading Tool Pa	asses Required to F	Fill Truck:	41	passes
Excavators and Front Shove Machine Cycle Time v Selected Value	Numbe sls: s. Job Conditio within this Basi	on Rating: NA ic Rating: NA	asses Required to F	Fill Truck:	41	passes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders –	Numbe s. Job Conditio within this Basi Material Descr	on Rating: NA ic Rating: NA	asses Required to F	Fill Truck:	4	passes
Excavators and Front Shove Machine Cycle Time v Selected Value	Numbe ls: s. Job Conditio within this Basi Material Descr	on Rating: NA ic Rating: NA	asses Required to F	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	Numbe s. Job Conditio within this Basi Material Descr .	on Rating: NA ic Rating: NA ription: Maneuver: NA		Dump: 0.100	0	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	Numbe s. Job Conditio within this Basi Material Descr .	on Rating: NA ic Rating: NA ription: Maneuver: NA		Dump: 0.100		
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors	Numbe s. Job Conditio within this Basi Material Descr 	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Ti		Dump: 0.100	0 0.625 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Numbe lls: s. Job Conditio within this Basi Material Descr 	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Ti	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.)	0 0.625 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material:	Numbe ls: s. Job Conditio within this Basi Material Descr Unadjusted Basi Mixed mater	on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Ti	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020	0.625 minus Source (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time versus Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Ils: Is. Job Condition within this Basis Material Describer Illustration Material Describer Illustration Mixed M	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applic rership of trucks and eration -0.04	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	0.625 minumon Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number State Number State No. Adjustment No. Adjustment Common ow	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applic rership of trucks and eration -0.04 get 0.00	able 0.00 d loaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.625 minumon Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time versus Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Ils: Is. Job Condition within this Basis Material Describer Illustration Material Describer Illustration Mixed M	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applic rership of trucks and eration -0.04 get 0.00 Net Cycle Ti	able 0.00 d loaders -0.04 me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time versus Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Ils: Is. Job Condition within this Basis Material Describer Illustration Material Describer Illustration Mixed M	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applic rership of trucks and eration -0.04 get 0.00 Net Cycle Ti Adjusted Load	able 0.00 d loaders -0.04 me Adjustment: der Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time versus Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Ils: Is. Job Condition within this Basis Material Describer Illustration Material Describer Illustration Mixed M	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applic rership of trucks and eration -0.04 get 0.00 Net Cycle Ti Adjusted Load	able 0.00 d loaders -0.04 me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time versus Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Ils: Is. Job Condition within this Basis Material Describer Illustration Material Describer Illustration Mixed M	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applic rership of trucks and eration -0.04 get 0.00 Net Cycle Ti Adjusted Load	able 0.00 d loaders -0.04 me Adjustment: der Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Numbe ls: s. Job Conditio within this Basi Material Descr Unadjusted Basi Mixed mater No adjustmet Common ow Constant ope Nominal targ	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applic rership of trucks and eration -0.04 get 0.00 Net Cycle Ti Adjusted Load	able 0.00 d loaders -0.04 me Adjustment: der Cycle Time: Fime per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time via Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number State Numbe	on Rating: NA ic Rating: NA ription: NA maneuver: NA asic Loader Cycle Ti rial 0.02 nt - factor not applic rership of trucks and reration -0.04 get 0.00 Net Cycle Ti Adjusted Load Net Load	able 0.00 d loaders -0.04 me Adjustment: der Cycle Time: Fime per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	11669.00	6.60	3.00	9.60	795	14.733

Haul Time: **14.733** minutes Return Route: Total Res Travel Seg# Haul Distance Grade (%) Roll. Res Velocity Time (Ft) (%) (%) (fpm) (min) 11669.00 3.00 -3.60 3450 -6.60 3.487

Return Time: 3.487 minutes
Total Truck Cycle Time: 22.052 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 191.55 LCY/Hour Adjusted for job efficiency: 158.99 LCY/Hour

Optimal No. of Trucks: ______8 ____ Truck(s) Selected Number of Trucks: _____8 ____ Truck(s)

Adjusted hourly truck team production: 1,271.89 LCY/Hour Adjusted single truck/loader team production: 1,271.89 LCY/Hour Adjusted multiple truck/loader team production: 1,271.89 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 53.23
 Hours

 Unit cost:
 \$3.460
 /LCY
 Total job cost:
 \$234,245

Cresson Project	Perm	it Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENTIFICA	ATION				
Task #: A0517 Date: 6/29/2025 User: ERR	State:	Colorado Teller		Abbreviation: _ Filename: _	None A0517
Agency or organiza	ntion name: <u>DRN</u>	1S			
HOURLY EQUIPMENT	ΓCOST				
	R DS Series II LG	P			
Horsepower: 240					
Blade Type: Straigh	nt				
Attachment: NA			<u> </u>		
Shift Basis: 1 per d	lay				
Data Source: (CRG)					
Cost Proskdown					
Cost Breakdown:			Utilization %		
Ownership Cost/Hour:		\$90.24	NA		
Operating Cost/Hour:		\$78.95	100	<u></u>	
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	25	<u></u>	
Operator Cost/Hour:		\$38.59		<u></u>	
Operator Cost/Hour.		\$30.33	NA		
MATERIAL QUANTIT Initial Volume: 55,725 Swell factor: 1.215	<u>1ES</u>	-			
Loose volume: 1.213	LCY	-			
Source of estimated volume: Source of estimated swell fac			l Estimate		
HOURLY PRODUCTION)N				
Average push distance: Unadjusted hourly production	70 feet 613.3 LCY/h	r			
Materials consistency descrip	ption: Loose sto	ockpile 1.2			
	10 % 0,500 feet	_			
Material weight:1	,600 lbs/LCY				
Weight description:	Cop Soil				
Job Condition Correction Fa Operator Ski		50	Source (AVG.)		
Material consistenc			(CAT HB)		
Dozing metho	•		(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.0527

Adjusted unit production: 645.62 LCY/hr
Adjusted fleet production: 645.62 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.322/LCY

Total job time: 104.87 Hours
Total job cost: \$21,789

BULLDOZER RIPPING WORK

Site: Cres	sson Project	P	ermit Action:	2025 Update M1980244	Pe	ermit/Job#:	M1980244
<u>PROJ</u>	IECT IDENTIFI	CATION					
	A0518 Oate: 6/29/2025 User: ERR	State County					None A0518
	Agency or organ	nization name:I	DRMS				
HOUJ	RLY EQUIPME	NT COST					
	Basic Machine	: Cat D7R DS S	Series II LGP		Horsepower:	24	0
]	Ripper Attachment:	: 3-Shank Ripp	er	_	Shift Basis:	1 per	
~ ~					Data Source:	(CR	<u>G)</u>
Cost B	reakdown:				Utilization %		
	Owner	rship Cost/Hour:		\$90.24	NA		
				\$78.95	100		
		rship Cost/Hour: ating Cost/Hour:		\$9.25 \$5.20	NA 100		
		rator Cost/Hour:		\$38.59	NA		
		Unit Cost/Hour:	-	\$222.23		-	
	Total I	Fleet Cost/Hour:	\$222	2.23			
мат	ERIAL QUANT						
		<u>111E8</u>	Sele	ected estimating	g method: Area	l	
	ate Methods:	_					
mic: NA Area: 69.1	0 acr		ank Volume: p Depth (ft):	NA 2.50	BCY Volume: 2	Nz 278,703	A BCY or
				C 0-M Dunasi da d		·	
		of estimated quan	inty: <u>2022 C</u>	C&V Provided	Estimate		
<u>HOU</u>	RLY PRODUCT	<u>'ION</u>					
Seismi							
	<u>.c.</u>						
	<u>.c.</u>	Seismic Ve	elocity:	NA	feet/sec	ond	
Area:	_		·				
Area:		Average Ripping	Depth:	2.45	feet/pas	s	
Area:		Average Ripping Average Ripping	Depth:	2.45 6.50	feet/pas	s s	
Area:		Average Ripping Average Ripping Average Ripping I	Depth: Width:	2.45 6.50 300.00	feet/pas feet/pas feet/pas	s s s	
Area:	F	Average Ripping Average Ripping	Depth: Width: Length: Speed:	2.45 6.50	feet/pas	s s s uute	
<u>Area:</u>	 A	Average Ripping Average Ripping Average Ripping I Average Dozer	Depth: Width: Length: Speed:	2.45 6.50 300.00 88.00	feet/pas feet/pas feet/pas feet/mir	s s s nute /pass	
	 A	Average Ripping Average Ripping I Average Ripping I Average Dozer Average Maneuver Production per un	Depth: Width: Length: Speed:	2.45 6.50 300.00 88.00 0.25	feet/pas feet/pas feet/pas feet/mir minutes	s s s nute /pass	
	A ondition Correction	Average Ripping Average Ripping I Average Ripping I Average Dozer Average Maneuver Production per un	Depth: Width: Length: Speed: Time: it area:	2.45 6.50 300.00 88.00 0.25	feet/pas feet/pas feet/pas feet/mir minutes	s s s nute /pass our	
	A ondition Correction	Average Ripping Average Ripping I Average Ripping I Average Dozer Average Maneuver Production per un Factors Hourly Unit Prod	Depth: Width: Length: Speed: Time: it area:	2.45 6.50 300.00 88.00 0.25 0.734	feet/pas feet/pas feet/pas feet/mir minutes acres/ho	s s s nute /pass our	
	A ondition Correction	Average Ripping Average Ripping I Average Ripping I Average Dozer Average Maneuver Production per un Factors Hourly Unit Prod Site A	Depth: Width: Length: Speed: Time: it area: uction: ltitude: le Adj:	2.45 6.50 300.00 88.00 0.25 0.734 0.734 9,500 1.00	feet/pas feet/pas feet/pas feet/pas feet/mir minutes acres/hc Acres/h feet (CAT H	s s s nute /pass our r	
	A ondition Correction	Average Ripping Average Ripping I Average Ripping I Average Dozer Average Maneuver Production per un Factors Hourly Unit Prod Site Al Altitud Job Effic	Depth: Width: Length: Speed: Time: it area: uction: ltitude: de Adj: ciency:	2.45 6.50 300.00 88.00 0.25 0.734 0.734 9,500 1.00 0.83	feet/pas feet/pas feet/pas feet/pas feet/mir minutes acres/hc Acres/h feet (CAT H (1 shift/	s s s nute /pass our (B) day)	
	A ondition Correction	Average Ripping Average Ripping I Average Ripping I Average Dozer Average Maneuver Production per un Factors Hourly Unit Prod Site A	Depth: Width: Length: Speed: Time: it area: uction: ltitude: de Adj: ciency:	2.45 6.50 300.00 88.00 0.25 0.734 0.734 9,500 1.00	feet/pas feet/pas feet/pas feet/pas feet/mir minutes acres/hc Acres/h feet (CAT H	s s s nute /pass our (B) day)	
	ondition Correction Unadjusted	Average Ripping Average Ripping I Average Ripping I Average Dozer Average Maneuver Production per un Factors Hourly Unit Prod Site A Altitud Job Effic Net Corr djusted Hourly Ur	Depth: Width: Length: Speed: Time: it area: uction: ltitude: de Adj: ciency: rection: nit Production:	2.45 6.50 300.00 88.00 0.25 0.734 0.734 9,500 1.00 0.83 0.83	feet/pas feet/pas feet/pas feet/pas feet/mir minutes acres/hc Acres/h feet (CAT H (1 shift/ multipli Acres/hr	s s s nute /pass our (B) day)	
Job Co	ondition Correction Unadjusted Ad	Average Ripping Average Ripping I Average Ripping I Average Dozer Average Maneuver Production per un Factors Hourly Unit Prod Site Al Altitud Job Effic Net Corr djusted Hourly Ur	Depth: Width: Length: Speed: Time: it area: uction: ltitude: de Adj: ciency: rection: nit Production:	2.45 6.50 300.00 88.00 0.25 0.734 0.734 9,500 1.00 0.83 0.83	feet/pas feet/pas feet/pas feet/pas feet/mir minutes acres/hc Acres/h feet (CAT H (1 shift/ multipli	s s s nute /pass our (B) day)	
Job Co	ondition Correction Unadjusted	Average Ripping Average Ripping I Average Ripping I Average Dozer Average Maneuver Production per un Factors Hourly Unit Prod Site Al Altitud Job Effic Net Corr djusted Hourly Ur	Depth: Width: Length: Speed: Time: it area: uction: ltitude: de Adj: ciency: rection: nit Production:	2.45 6.50 300.00 88.00 0.25 0.734 0.734 9,500 1.00 0.83 0.83	feet/pas feet/pas feet/pas feet/pas feet/mir minutes acres/hc Acres/h feet (CAT H (1 shift/ multipli Acres/hr	s s s nute /pass our (B) day)	
Job Co	ondition Correction Unadjusted Ad	Average Ripping Average Ripping I Average Ripping I Average Dozer Average Maneuver Production per un Factors Hourly Unit Prod Site Al Altitud Job Effic Net Corr djusted Hourly Ur djusted Hourly Fle	Depth: Width: Length: Speed: Time: it area: uction: ltitude: de Adj: ciency: rection: nit Production: eet Production:	2.45 6.50 300.00 88.00 0.25 0.734 0.734 9,500 1.00 0.83 0.83	feet/pas feet/pas feet/pas feet/pas feet/mir minutes acres/hc Acres/h feet (CAT H (1 shift/ multipli Acres/hr Acres/hr	s s s nute /pass our (B) day)	Hours

TRUCK/LOADER TEAM WORK

Task description:	M. Cres	sson Mine Area -	Topsoil - S. Cres	sson HR - Transp	ort	
Site: _Cresson Projec	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE Task #: A05 Date: 6/29/ User: ERR	19 /2025	State: Colora County: Teller	ado	Ab	breviation: No. Filename: A0.	
Agency o	or organization nar	ne: DRMS				
HOURLY EQU	IPMENT COS	_			is: <u>1 per day</u>	
Sup	Maintenance – Mot	m -Truck: Cat -Loader: CA' Load Area: Cat ump Area: NA or Grader: CA'	Equipment Descri 777F Γ 992K D10T - 10SU Γ 16M ter Tanker, 7,000			
Cost Breakdown:		ader Team Loader		Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	4	1	1	0	1	1
Group Subtotals:	Work:	\$2,046.51	Support:	\$492.91	Maint:	\$352.41
MATERIAL QU Initial volume Loose volume	UANTITIES e: 24,265	CCY		factor: 1.215		
Sourc	ource of estimated e of estimated swe Material Purch	l volume: 2022 ell factor: Cat H		Estimate		
HOURLY PRO Truck Capacity: Truck Payload (we Material	eight) Basis:		Pounds/LCY			
	ription: Top So		Pounds/LC1			

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Duol	ket Size Class: N	Τ Λ	
Dotad Compaitry	16,000	I CV (based)	Buck	tet Size Class. N	iA.	<u> </u>
Rated Capacity: Bucket Fill Factor:	16.000 1.100	LCY (heaped)	t mixtures (100	120%) 1 100		_
Adjusted Capacity:	17.600	LCY	i illixtures (100	-120%) 1.100		=
Adjusted Capacity.	17.000	LCI				
Job Condition Corrections	<u>t</u>	Si	te Altitude (ft.): 9	<u>9500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB			
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	0.813 r of Loading Tool Pas	sses Required to l	Fill Truck:	4	passes
	Number		sses Required to l	Fill Truck:	1	passes
Loading Tool Cycle Time:	Number ls: s. Job Conditio	r of Loading Tool Pas n Rating: <u>NA</u>	sses Required to l	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time v Selected Value	Numbers: s. Job Condition within this Basi	r of Loading Tool Pas n Rating: <u>NA</u> c Rating: <u>NA</u>	sses Required to I	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v	Numbers Number	r of Loading Tool Pas n Rating: <u>NA</u> c Rating: <u>NA</u>	sses Required to I	Fill Truck:	4]	passes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders —	Numbers 1s: s. Job Condition within this Basin Material Description.	r of Loading Tool Pas n Rating: <u>NA</u> c Rating: <u>NA</u>	eses Required to I	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	Numbers S. Job Condition within this Basin Material Description Material Materia Material Material Material Material Material Material Material	r of Loading Tool Pase n Rating: NA NA c Rating: NA iption: NA		Dump: 0.100		
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA	Numbers S. Job Condition within this Basin Material Description Material Materia Material Material Material Material Material Material Material	r of Loading Tool Pase n Rating: NA NA c Rating: NA iption: NA		Dump: 0.100)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Number ls: s. Job Conditio within this Basi Material Descr	r of Loading Tool Pasen Rating: NA Rating:	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020).625 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Number ls: s. Job Conditio within this Basi Material Descr	r of Loading Tool Pasen Rating: n Rating: C Rating: NA iption: Ianeuver: NA asic Loader Cycle Tine ial 0.02 nt - factor not applica	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000) .625 min Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Cycle Time Factors Material: Stockpile: Truck Ownership:	Number ls: s. Job Conditio within this Basi Material Descr Unadjusted Basi Mixed materi No adjustmer Common own	n Rating: NA	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040) min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number ls: s. Job Conditio within this Basi Material Descr Unadjusted Basi Mixed material No adjustmer Common ow Constant ope	n Rating: NA	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Cycle Time Factors Material: Stockpile: Truck Ownership:	Number ls: s. Job Conditio within this Basi Material Descr Unadjusted Basi Mixed materi No adjustmer Common own	n Rating: NA c Rating: NA iption: Maneuver: NA asic Loader Cycle Tin ial 0.02 nt - factor not applica nership of trucks and ration -0.04 et 0.00	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number ls: s. Job Conditio within this Basi Material Descr Unadjusted Basi Mixed material No adjustmer Common ow Constant ope	n Rating: NA CRATING: NA	ne (load, dump, n ble 0.00 loaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number ls: s. Job Conditio within this Basi Material Descr Unadjusted Basi Mixed material No adjustmer Common ow Constant ope	n Rating: NA c Rating: NA iption: NA asic Loader Cycle Tin ial 0.02 nt - factor not applica nership of trucks and ration -0.04 et 0.00 Net Cycle Tin Adjusted Loader	ne (load, dump, noble 0.00 loaders -0.04 loa	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number ls: s. Job Conditio within this Basi Material Descr Unadjusted Basi Mixed material No adjustmer Common ow Constant ope	n Rating: NA c Rating: NA iption: NA asic Loader Cycle Tin ial 0.02 nt - factor not applica nership of trucks and ration -0.04 et 0.00 Net Cycle Tin Adjusted Loader	ne (load, dump, n ble 0.00 loaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number ls: s. Job Condition within this Basi Material Description Material Description Mixed Mixed Basi Mixed material No adjustment Common own Constant open Nominal targ	n Rating: NA c Rating: NA iption: NA asic Loader Cycle Tin ial 0.02 nt - factor not applica nership of trucks and ration -0.04 et 0.00 Net Cycle Tin Adjusted Loader	ble 0.00 loaders -0.04 le Adjustment: er Cycle Time: ime per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time:	Number ls: s. Job Conditio within this Basi Material Descr Unadjusted Ba Mixed material No adjustmer Common own Constant ope Nominal targ	n Rating: NA c Rating: NA iption: NA Masic Loader Cycle Tin ial 0.02 nt - factor not applica nership of trucks and ration -0.04 et 0.00 Net Cycle Tin Adjusted Loade Net Load Ti	ne (load, dump, noble 0.00 loaders -0.04 loaders -0.04 loaders -Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number ls: s. Job Condition within this Basi Material Describer Material Describer Mixed material No adjustment Common own Constant open Nominal targ	n Rating: NA c Rating: NA iption: NA Masic Loader Cycle Tine ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Tine Adjusted Loader Net Load Tine Net Load Tin	ble 0.00 loaders -0.04 e Adjustment: er Cycle Time: ime per Truck: Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

3917.00

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3917.00	9.30	3.00	12.30	675	5.861

Task # A0519

Haul Time: **5.861** minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min)

3.00

Return Time: 1.170 minutes
Total Truck Cycle Time: 10.863 minutes

3450

1.170

Loading Tool unit

Production ____1,605.09 LCY/Hour Adjusted for job efficiency: ____1,332.22 LCY/Hour

Truck Unit Production

-9.30

388.86 LCY/Hour Adjusted for job efficiency: 322.75 LCY/Hour

-6.30

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 1,291.00 LCY/Hour Adjusted single truck/loader team production: 1,291.00 LCY/Hour Adjusted multiple truck/loader team production: 1,291.00 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 22.84 Hours

Unit cost: \$2.240 /LCY Total job cost: \$66,039

Cresson Project	Perm	nit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENTIFIC	ATION				
Task #: A0520 Date: 6/29/2025 User: ERR	State: County: _	Colorado Teller		Abbreviation: Filename:	None A0520
Agency or organization	ation name: DR	MS			
HOURLY EQUIPMEN	ΓCOST				
	7R DS Series II LC	3P			
Horsepower: 240					
Blade Type: _ Straigl	nt				
Attachment: NA			<u> </u>		
Shift Basis: 1 per o			<u></u>		
Data Source: (CRG))		<u> </u>		
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/Hour:		\$90.24	NA		
Operating Cost/Hour:		\$78.95	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	25		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUANTIT Initial Volume: 24,265	<u>TES</u>				
Swell factor: 1.215 Loose volume: 29,482	LCY				
Source of estimated volume: Source of estimated swell fa		v Provided ook	l Estimate		
HOURLY PRODUCTION	<u>ON</u>				
Average push distance: Unadjusted hourly production	65 feet 650.0 LCY/h	nr	<u></u>		
Materials consistency descri	ption: Loose st	tockpile 1.2			
	30 % 0,500 feet	_			
Material weight:1	,600 lbs/LCY			_	
Weight description:	Top Soil				
Job Condition Correction Fa Operator Ski		7 50	Source (AVG.)		
Material consistence		200	(CAT HB)		
Dozing metho	•	000	(GFN)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 894.27 LCY/hr
Adjusted fleet production: 894.27 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.232/LCY

Total job time: 32.97 Hours
Total job cost: \$6,850

BULLDOZER RIPPING WORK

Task description:	M. Cresson Mine Area - To	opsoil - S. Cresson	HR - Ripping	
Site: Cresson Proje	Permit Action:	2025 Update M1980244	Permit	/Job#: M1980244
	ENTIFICATION			
Task #:A0	State: Colorado 9/2025 County: Teller)	Abbreviat	
Agency	or organization name: DRMS			
HOURLY EQ	UIPMENT COST			
Basic 1	Machine: Cat D7R DS Series II LGP		Horsepower:	240
Ripper Att	achment: 3-Shank Ripper	<u> </u>	Shift Basis:	1 per day
		<u> </u>	Data Source:	(CRG)
Cost Breakdown:		1	Itilization %	
	Ownership Cost/Hour:	\$90.24	NA	
	Operating Cost/Hour:		100	
	er Ownership Cost/Hour: per Operating Cost/Hour:	Φ = 3 0	NA 100	
Кірі	oer Operating Cost/Hour: Operator Cost/Hour:	\$38.59	NA	
	Total Unit Cost/Hour:	\$222.23		
	Total Fleet Cost/Hour: \$2	22.23		
MATERIAL C				
MATERIAL C		elected estimating m	ethod: Area	
Alternate Method				
smic: <u>NA</u> Area: 30.10	Bank Volume: acres Rip Depth (ft):	NA 2.50	BCY Volume: 121,4	NA BCY of
30.10				<u> </u>
	Source of estimated quantity: 2022	CC&V Provided Es	stimate	
HOURLY PRO	<u>DDUCTION</u>			
Seismic:				
	Seismic Velocity:	NA	feet/second	
Area:				
	Average Ripping Depth:	2.45	feet/pass	
	Average Ripping Width: Average Ripping Length:	6.50	feet/pass feet/pass	
	Average Dozer Speed:	88.00	feet/minute	
	Average Maneuver Time:	0.25	minutes/pass	
	Production per unit area:	0.734	acres/hour	
Job Condition Co	rrection Factors			
Un	adjusted Hourly Unit Production:	0.734	Acres/hr	
	Site Altitude:	9,500	feet	
	Altitude Adj:	1.00	(CAT HB)	
	Job Efficiency:	0.83	(1 shift/day)	
	Net Correction:	0.83	multiplier	
	Adjusted Hourly Unit Production Adjusted Hourly Fleet Production		Acres/hr Acres/hr	
JOB TIME AN	ID COST			
Fleet size: _	1 Grader(s)	Total job time:	49.40	Hours

TRUCK/LOADER TEAM WORK

Site:	Cresson Project		Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
F	PROJECT IDEN	NTIFICATION	Ī				
_	Task #: A052 Date: 6/29/		State: <u>Colora</u> County: Teller		Ab	breviation: No Filename: A0	ne 522
	User: ERR	2023	County. Tener			Thename. Ao	322
	Agency or	organization nar	ne: DRMS				
Į	IOURLY EQUI	PMENT COST	Γ		Shift bas	is: <u>1 per day</u>	
_			<u> </u>	Equipment Descri			
-	ŗ	Гruck Loader Tea	ım -Truck: Cat	777F	ption		
	Cune	ort Equipment -I		T 992K D10T - 10SU			
	Տարլ		ump Area: NA				
-	Road M	laintenance –Mot		T 16M			
-		-W2	nter Truck: Wa	ter Tanker, 7,000	Gal.		
(Cost Breakdown:	Truck/Loa	ader Team	Support 1	Equipment	Maintenan	ce Equipment
		Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utili	zation-machine:	100	100	100	NA	25	25
Owne	ership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
	rating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
	Jtilization-riper:	NA	0	NA	NA	NA	NA
	own. cost/hour:	NA NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
	er op. cost/hour: erator cost/hour:	NA \$25.24	\$0.00 \$36.85	\$0.00 \$38.59	NA NA	\$0.00 \$27.76	\$0.00 \$21.12
Ор	Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA NA	\$237.06	\$115.35
N	umber of Units:	7	1	1	0	1	1
	Group Subtotals:	Work:	\$3,177.96	Support:	\$492.91	Maint:	\$352.41
	otal work team co	et/hour: \$4.023		11		I	
1	otal work team co	st/110ti1. <u>\$4,023.</u>	20				
<u>N</u>	MATERIAL QU	ANTITIES					
	Initial volume	: 24,265	CCY	' Swell	factor: 1.215		
	Loose volume						
	So	ource of estimated	l volume: 2022	CC&V Provided	Estimate		
	Source	of estimated swe		Handbook			
		Material Purch	ase Cost: \$0.00 otal Cost: \$0.00				
		10	жи созг. <u>фо.о</u> б	<u> </u>			
		DUCTION					
<u>I</u>	HOURLY PRO	DUCTION					
_		DUCTION					
<u>1</u>	Truck Capacity: Truck Payload (we	ght) Basis:					
<u>1</u>	Yruck Capacity: Yruck Payload (wei Material v	ght) Basis:	.:1	Pounds/LCY			

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:		LCY				
	Truck Volume	e Based on Number of	of Loader Passes:	70.40	LCY	
Loading Tool Capacity			Ruck	tet Size Class: N	ΙΔ	
Rated Capacity:	16.000	LCY (heaped)			IA .	_
Bucket Fill Factor:	1.100		rt mixtures (100-	-120%) 1.100		=
Adjusted Capacity: _	17.600	LCY				
Job Condition Corrections	<u>i.</u>	S	ite Altitude (ft.): 9	500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Net Correction: Loading Tool Cycle Time:		0.813	asses Required to F	Fill Truck:	4 1	passes
	Numbe		asses Required to F	Fill Truck:	1	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v	Numbe lls: rs. Job Conditio	or of Loading Tool Pa	asses Required to F	Fill Truck:	1	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value	Numbe sls: s. Job Conditio within this Basi	on Rating: NA	asses Required to F	Fill Truck:	41	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders —	Numbe s. Job Conditio within this Basi Material Descr	on Rating: NA	asses Required to F	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value	Numbe ls: s. Job Conditio within this Basi Material Descr	on Rating: NA	asses Required to F	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA	Numbe s. Job Conditio within this Basi Material Descr	on Rating: NA ic Rating: NA ription: NA		Dump: 0.100)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Numbe s. Job Conditio within this Basi Material Descr	on Rating: NA ic Rating: NA ription: NA		Dump: 0.100) .625 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA	Numbe s. Job Conditio within this Basi Material Descr	or of Loading Tool Particle Rating: NA ription: Maneuver: NA asic Loader Cycle Ti		Dump: 0.100) .625 min Source	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors	Numbe lls: s. Job Conditio within this Basi Material Descr 	or of Loading Tool Particle Rating: NA ription: Maneuver: NA asic Loader Cycle Ti	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.)) .625 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material:	Numbe ls: s. Job Conditio within this Basi Material Descr Unadjusted Basi Mixed mater	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile:	Numbe ls: s. Job Conditio within this Basi Material Descr Unadjusted Basi Mixed mater	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applications of trucks and	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000) Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership:	Number State Number State No adjustment Common ow	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applications of trucks and ceration -0.04	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Ils: See Substitution of the Number Ils: See Substitution of the Number Ils See	on Rating: NA ic Rating: NA ription: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00 Net Cycle Tin	me (load, dump, mable 0.00 del loaders -0.04 del me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Ils: See Substitution of the Number Ils: See Substitution of the Number Ils See	on Rating: NA ic Rating: NA ription: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, n able 0.00 d loaders -0.04 me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Ils: See Substitution of the Number Ils: See Substitution of the Number Ils See	on Rating: NA ic Rating: NA ription: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, mable 0.00 del loaders -0.04 del me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Ils: See Substitution of the Number Ils: See Substitution of the Number Ils See	on Rating: NA ic Rating: NA ription: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, n able 0.00 d loaders -0.04 me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Numbe ls: s. Job Conditio within this Basi Material Descr Unadjusted Basi Mixed mater No adjustmet Common ow Constant ope Nominal targ	on Rating: NA ic Rating: NA ription: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, n able 0.00 d loaders -0.04 me Adjustment: der Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number State Numbe	on Rating: NA ic Rating: NA ription: NA ri	me (load, dump, mable 0.00 del loaders -0.04 del	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	9024.00	7.40	3.00	10.40	795	11.424

Haul Time: **11.424** minutes Return Route: Total Res Travel Haul Distance Grade (%) Roll. Res Velocity Seg# Time (Ft) (%) (%) (fpm) (min) -4.40 9024.00 -7.40 3.00 3450 2.697

Return Time: 2.697 minutes
Total Truck Cycle Time: 17.953 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 235.29 LCY/Hour Adjusted for job efficiency: 195.29 LCY/Hour

Optimal No. of Trucks: 7 Truck(s) Selected Number of Trucks: 7 Truck(s)

Adjusted hourly truck team production: 1,367.01 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 22.13
 Hours

 Unit cost:
 \$3.020
 /LCY
 Total job cost:
 \$89,035

Cresson Project	Peri	mit Action:	2025 Update M1980244	Permit/Job#: M1980244
PROJECT IDENTIFICA	ATION			
Task #: A0523 Date: 6/29/2025 User: ERR	State: County:	Colorado Teller		Abbreviation: None Filename: A0523
Agency or organiza	tion name: DR	MS		
HOURLY EQUIPMENT	COST			
	R DS Series II L	GP		
Horsepower: 240				
Blade Type: Straigh	ıt			
Attachment: NA				
Shift Basis: 1 per d	ay			
Data Source: (CRG)				
·				
Cost Breakdown:			Utilization %	
Ownership Cost/Hour:		\$90.24	NA	
Operating Cost/Hour:		\$78.95	100	
Ripper own. Cost/Hour:		\$0.00	NA	
Ripper op. Cost/Hour:		\$0.00	25	
Operator Cost/Hour:		\$38.59		
operator cost from:		Ψ30.37	NA	
MATERIAL QUANTITE Initial Volume: 24,265	<u>IES</u>			
Swell factor: 1.215 Loose volume: 29,4821	LCY			
Source of estimated volume:		&V Provided	l Estimate	
Source of estimated swell fac	ctor: <u>Cat Hand</u>	book		
HOURLY PRODUCTIO	<u>ON</u>			
Average push distance: Unadjusted hourly production	65 feet 650.0 LCY/	hr		
Materials consistency descrip	otion: Loose s	stockpile 1.2		
	30 % ,500 feet			
Material weight: 1	,600 lbs/LCY			
Weight description:	op Soil			
Job Condition Correction Fac Operator Skil		750	Source (AVG.)	
Material consistency		200	(CAT HB)	
•		200 000	(CAT III)	

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 894.27 LCY/hr
Adjusted fleet production: 894.27 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.232/LCY

Total job time: 32.97 Hours
Total job cost: \$6,850

BULLDOZER RIPPING WORK

,	Task description:	M. Cresson M	line Area - Top	osoil - Cresson	HR - Ripping		
Site:	Cresson Project		Permit Action:	2025 Update M1980244	Pe	ermit/Job#:N	11980244
	PROJECT IDENT	CIFICATION .					
	Task #: A0524 Date: 6/29/20 User: ERR	Stat 25 Count					one 0524
	Agency or o	rganization name: _	DRMS				
	HOURLY EQUIP	MENT COST					
	Basic Mac	hine: Cat D7R DS	Series II LGP		Horsepower:	240	
	Ripper Attachr	nent: 3-Shank Rip	per		Shift Basis:	1 per d	
	G . D . 1.1				Data Source:	(CRG	1)
	Cost Breakdown:				Utilization %		
		wnership Cost/Hour:		\$90.24	NA		
		Operating Cost/Hour:	-	\$78.95	100		
		wnership Cost/Hour: Operating Cost/Hour:		\$9.25 \$5.20	NA 100		
		Operator Cost/Hour:		\$38.59	NA		
	T	otal Unit Cost/Hour:		\$222.23			
	To	otal Fleet Cost/Hour:	\$22	2.23			
	MATERIAL QUA	NTITIES	Sol	acted estimating	g method: Area		
•	Alternate Methods:		SCI	ceted estimating	memou. Area		
smic:	NA	F	Bank Volume:	NA	BCY	NA	
Area:	30.10		ip Depth (ft):	2.50		21,403	BCY or
•	HOURLY PRODU	JCTION Seismic V	elocity:	NA	feet/seco	ond	
	A	geisine v		1111		, ind	
•	<u>Area:</u>	Average Ripping	Depth:	2.45	feet/pass	3	
		Average Ripping	Width:	6.50	feet/pass		
		Average Ripping		300.00	feet/pass		
		Average Dozen Average Maneuve		88.00 0.25	feet/min minutes/		
		Production per un		0.23	acres/ho	-	
	Job Condition Correc	-					
•		sted Hourly Unit Pro	duction:	0.734	Acres/hi	:	
	J	•	Altitude:	9,500	feet		
		Altitu	ıde Adj:	1.00	(CAT H		
			iciency:	0.83	(1 shift/d	•	
			rection:	0.83	multiplie	er	
		Adjusted Hourly U Adjusted Hourly Fl			Acres/hr Acres/hr		
:	JOB TIME AND (COST					
	Fleet size:	1 Grader	(s)	Total job tim	ne:4	9.40	Hours
				_			

G 75 4		_		2025 11		
: Cresson Project		Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
		=				
PROJECT IDEN	TIFICATIO	N				
			Calamada		A 1-1	Nama
Task #: A0600		State:	Colorado		Abbreviation:	None
Date: 6/29/20	025	County:	Teller		Filename:	A0600
User: ERR						
Agency or	organization n	ame: DF	RMS			
HOURLY EQUIP	PMENT CO	<u>ST</u>				
Basic Machine:	Cat D10T - 1	IOSU				
Horsepower:	574					
Blade Type:	Semi-Univer	sal				
Attachment:	NA					
Shift Basis:	1 per day					
Data Source:	(CRG)					
_	(0110)					
Cost Breakdown:				TT/TT - 1 O/		
01: 0 : 71			Φ Ω ΕΠ 20	<u>Utilization %</u>		
Ownership Cost/Ho			\$257.39	NA 100		
Operating Cost/Ho			\$196.93	100		
Ripper own. Cost/Ho			\$0.00	NA		
Ripper op. Cost/Ho			\$0.00	0		
Operator Cost/Ho	our:		\$38.59	NA		
MATERIAL QUA						
Initial Volume:	75,737					
Initial Volume:	75,737 1.000		_			
Initial Volume:	75,737					
Initial Volume: Swell factor: Loose volume: Source of estimated	75,737 1.000 75,737 LCY volume:		&V Providec	l Estimate		
Initial Volume: Swell factor: Loose volume:	75,737 1.000 75,737 LCY volume:	2022 CC Cat Hand		l Estimate		
Initial Volume: Swell factor: Loose volume: Source of estimated	75,737 1.000 75,737 LCY volume: swell factor:			l Estimate		
Initial Volume: Swell factor: Loose volume: Source of estimated source of estimated s	75,737 1.000 75,737 LCY volume: swell factor: UCTION			1 Estimate		
Initial Volume: Swell factor: Loose volume: Source of estimated so	75,737 1.000 75,737 LCY volume: swell factor: UCTION ce:	Cat Hand	lbook	1 Estimate		
Initial Volume: Swell factor: Loose volume: Source of estimated so	75,737 1.000 75,737 LCY volume: swell factor: UCTION ce: roduction:	Cat Hand 165 feet 1,141.9 LC	Y/hr	l Estimate		
Initial Volume: Swell factor: Loose volume: Source of estimated source of estimated source of estimated source of estimated source push distance Unadjusted hourly process.	75,737 1.000 75,737 LCY volume: swell factor: UCTION ce: roduction: y description:	Cat Hand 165 feet 1,141.9 LC	Y/hr			
Initial Volume: Swell factor: Loose volume: Source of estimated source of estimated source of estimated source push distance Unadjusted hourly promote Materials consistency	75,737 1.000 75,737 LCY volume: swell factor: UCTION ce: roduction: y description:	Cat Hand 165 feet 1,141.9 LC Rock, j	Y/hr			
Initial Volume: Swell factor: Loose volume: Source of estimated of Source of	75,737 1.000 75,737 LCY volume: swell factor: UCTION ce:	Cat Hand 165 feet 1,141.9 LC Rock, j	Y/hr			
Initial Volume: Swell factor: Loose volume: Source of estimated of Source of	75,737 1.000 75,737 LCY volume: swell factor: UCTION ce: roduction: y description: ent: 9,500 f 2,800 1	Cat Hand 165 feet 1,141.9 LC Rock, J	Y/hr			
Initial Volume: Swell factor: Loose volume: Source of estimated of Source of	75,737 1.000 75,737 LCY volume: swell factor: UCTION ce: roduction: y description: ent: 9,500 f 2,800 l Granite ction Factor	Cat Hand 165 feet 1,141.9 LC Rock, J eet bs/LCY	Y/hr poorly ripped	l or blasted 0.6		
Initial Volume: Swell factor: Loose volume: Source of estimated of Source of	75,737 1.000 75,737 LCY volume: swell factor: UCTION ce: roduction: y description: ent: 9,500 f 2,800 l Granite ction Factor rator Skill:	Cat Hand 165 feet 1,141.9 LC Rock, J eet bs/LCY - Broken 0.	Y/hr	or blasted 0.6		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4713

Adjusted unit production: 538.18 LCY/hr
Adjusted fleet production: 1076.36 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.916/LCY

Total job time: 70.36 Hours
Total job cost: \$69,366

	Perr	nit Action:	2025 Update	
Cresson Project	1 011	int 7 iction.	M1980244	Permit/Job#: M1980244
PROJECT IDENTIFICA	TION			
		Calamada		Alahanistian Nama
Task #: A0601	State:	Colorado		Abbreviation: None
Date: 6/29/2025	County:	Teller		Filename: A0601
User: ERR				
Agency or organizat	tion name: <u>DR</u>	MS		
HOURLY EQUIPMENT	COST			
Basic Machine: Cat D7	R DS Series II LO	GP		
Horsepower: 240				
Blade Type: Straigh	 †			
Attachment: NA	•			
Shift Basis: 1 per da	27/		<u> </u>	
Data Source: (CRG)	ıy		<u></u>	
Data Source: (CRG)			<u></u>	
Cost Breakdown:				
			<u>Utilization %</u>	
Ownership Cost/Hour:		\$90.24	NA	
Operating Cost/Hour:		\$78.95	100	
Ripper own. Cost/Hour:		\$0.00	NA	
Ripper op. Cost/Hour:		\$0.00	0	
Operator Cost/Hour:		\$38.59		
Operator Cost/Hour.		\$30.37	NA	
MATERIAL QUANTITI	ES			
Initial Volume: 8,415				
Swell factor: 1.000				
Loose volume: 8,415 LO	CY			
S	2022 CC	-17 D	1 Datimata	
Source of estimated volume:		V Provided	1 Estimate	
Source of estimated swell fac	tor: <u>Cat Handl</u>	ook		
HOURLY PRODUCTIO	<u>N</u>			
Average push distance:	165 feet			
Unadjusted hourly production		h.r.		
onaujusted nourry production	1. <u>343.7 LC 1/</u>	111		
Materials consistency descrip	tion: Rock, p	oorly ripped	d or blasted 0.6	
Average push gradient: -3	80 %			
		_		
Average site altitude: 9,	500 feet	_		
Material weight: 2,	800 lbs/LCY			
Weight description: G	ranite - Broken			
Job Condition Correction Fac	etor_		Source	
Operator Skill		750	(AVG.)	
Material consistency		500	(CAT HB)	
Dozing method		000	(GEN.)	

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3927

Adjusted unit production: 135.05 LCY/hr
Adjusted fleet production: 135.05 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.539/LCY

Total job time: 62.31 Hours
Total job cost: \$12,947

TRUCK/LOADER TEAM WORK

Task description:	Crusher	· Mine Area - To	psoil - Transpor	t		
Site: Cresson Project	·,	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	NTIFICATION	[
Task #:A060		State: Colora	ado	Ab	breviation: No	
Date: 6/29/	2025	County: <u>Teller</u>			Filename: A0	602
User: ERR						
Agency or	r organization nar	ne: DRMS				
HOURLY EQUI	IPMENT COST	_			is: 1 per day	
-	Truck Loader Tea		Equipment Descri 777F	ption		
	Truck Loader Tea		777 <u>г</u> Т 992 К			
Supp	oort Equipment -L		D10T - 10SU			
		ump Area: NA				
Road M	Iaintenance –Mot		T 16M ter Tanker, 7,000	Cal		
	- VV a	ner Truck: wa	ter Tanker, 7,000	Gai.		
Cost Breakdown:	Truck/Loa	ader Team	Support 1	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
% Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	4	1	1	0	1	1
Group Subtotals:	Work:	\$2,046.51	Support:	\$492.91	Maint:	\$352.41
Total work team co	st/hour: \$2,891.	83				
MATERIAL QU	JANTITIES					
Initial volume	e: 34,759	CCY	Swell	factor: 1.215		
Loose volume				1.213		
Sc	ource of estimated	volume: 2022	CC&V Provided	Estimate		
	e of estimated swe		Handbook	Estimate		
	Material Purch					
	To	otal Cost: \$0.00)			
HOURLY PRO	<u>DUCTION</u>					
Truck Capacity:						
Truck Payload (wei						
Material		•1	Pounds/LCY	•		
Descr Rated Pa	ription: $\frac{\text{Top So}}{200,00}$		Pounds			
Raied Pa	ay 10au. <u>200,00</u>	U	i ounus			

Truck/Loader Worksheet Cor	ıt'd	Task # A0602	2		Page 2 of 3	
Payload Capacity: _	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:		LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number o	f Loader Passes:	70.40	LCY	
Loading Tool Capacity						
			Ruc	ket Size Class: N	JΑ	
Rated Capacity:	16.000	LCY (heaped)	Buc	Ret Bize Class.	17.1	_
Bucket Fill Factor:	1.100	Other - rock/dia	rt mixtures (100	0-120%) 1.100		_
Adjusted Capacity:	17.600	LCY	t imatures (100	7 12070) 1.100		_
Job Condition Corrections:	_	S	ite Altitude (ft.):	9500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HE			
Job Efficiency:	0.830	0.830	(CAT HE			
Net Correction:	0.830	0.813				
			.			
Loading Tool Cycle Time:	Number	of Loading Tool Pa	sses Required to	Fill Truck:	4	passes
Excavators and Front Shovel	<u>s:</u>					
Machine Cycle Time vs Selected Value v						
Track Loaders –						
Cycle Time Elements (min.):	viacorar Boson	puon				
Load: NA	M	aneuver: NA		Dump: 0.10	0	
Wheel and Track Loaders -	- Unadiusted Ra	sic Loader Cycle Ti	me (load dumn i	maneuver). (0.625 min	utes
Cycle Time Factors	Chadjasted Ba	sie Louder Cycle III	line (roud, dump, r	Factor (min.)	Source	uces
Material:	Mixed materia	al 0.02		0.020	(Cat HB)	
Stockpile:	No adjustmen	t - factor not applica	able 0.00	0.000	(Cat HB)	_
Truck Ownership:	Common own	nership of trucks and	l loaders -0.04	-0.040	(Cat HB)	
Operation:	Constant oper			-0.040	(Cat HB)	
Dump Target:	Nominal targe			0.000	(Cat HB)	_
		•	ne Adjustment:	-0.060	minutes	
			ler Cycle Time: Time per Truck:	0.565 1.795	_ minutes minutes	
		Net Load 1	ime per Truck.	1.773	_ minutes	
Truck Cycle Time:						_
Truck Exchange Time:		Minutes		for site altitude:	0.800	Minut
Truck Load Time:	1.795	Minutes	Adjusted	for site altitude:	1.832	Minut
ck Maneuver and Dump Time:	1.20	Minutes	Adjusted	for site altitude:	1.200	Minut

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

5332.00

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	5332.00	4.50	3.00	7.50	985	5.490

Haul Time: **5.490** minutes Return Route: Roll. Res Total Res Travel Haul Distance Grade (%) Velocity Seg# Time (Ft) (%) (%) (fpm) (min)

3.00

-4.50

Return Time: 1.569 minutes
Total Truck Cycle Time: 10.891 minutes

3503

1.569

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

-1.50

_____387.86 LCY/Hour Adjusted for job efficiency: 321.92 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 1,287.68 LCY/Hour Adjusted single truck/loader team production: 1,287.68 LCY/Hour Adjusted multiple truck/loader team production: 1,287.68 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **32.80** Hours

Unit cost: \$2.246 /LCY Total job cost: **\$94,843**

Task description:	-	•	l - Dozer Spreading	
Cresson Project	Per	mit Action:	2025 Update M1980244	Permit/Job#: M1980244
PROJECT IDENTIF	ICATION			
Task #: A0603	State:	Colorado		Abbreviation: None
		Teller		
Date: <u>6/29/2025</u> User: ERR	County:	<u> Teller</u>		Filename: A0603
USEI. EKK				
Agency or organ	nization name: DI	RMS		
HOURLY EQUIPME	ENT COST			
Basic Machine: Cat	D7R DS Series II L	.GP		
Horsepower: 240)			
	aight			
Attachment: NA				
Shift Basis: 1 p	er day			
	RG)			
Cook Duralidania				
Cost Breakdown:			Utilization %	
Ownership Cost/Hour:		\$90.24	NA	
Operating Cost/Hour:		\$78.95	100	
Ripper own. Cost/Hour:		\$0.00	NA	
Ripper op. Cost/Hour:		\$0.00	25	
		\$38.59		
Operator Cost/Hour:		\$38.39	NA	
MATERIAL QUANT Initial Volume: 34,7				
Swell factor: 1.21	5			
Loose volume: 42,2	32 LCY			
Source of estimated volume		PrV Duoridos	1 Estimata	
Source of estimated world		&V Provided	1 Estilliate	
Source of estimated swer	racior. <u>Cai rianc</u>	IUUUK		
HOURLY PRODUCT	ΓΙΟΝ			
	 50 feet			
Average push distance: Unadjusted hourly produc		/hr		
Materials consistency des	scription: Loose	stockpile 1.2		
Average push gradient:	-30 %			
Average push gradient. Average site altitude:	9,500 feet			
Material weight:	1,600 lbs/LCY			_
Weight description:	Top Soil			
Job Condition Correction			Source	
Operator		.750	(AVG.)	
Material consist	ency:1	.200	(CAT HB)	
Dozina me	thod:	000	(GEN)	

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 1,100.64 LCY/hr
Adjusted fleet production: 1100.64 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.189/LCY

Total job time: 38.37 Hours
Total job cost: \$7,972

BULLDOZER RIPPING WORK

7	Task description:	Crusher Mine	Area - Topsoi	l - Ripping				
Site:	Cresson Project		Permit Action:	2025 Update M1980244	Per	mit/Job#: _	M1980244	
1	PROJECT IDENTIF	<u>ICATION</u>						
	Task #: A0604 Date: 6/29/2025 User: ERR	Stat Count					None A0604	
	Agency or organ	nization name: _	DRMS					_
1	HOURLY EQUIPME	ENT COST						
	Basic Machine	e: Cat D7R DS	Series II LGP		Horsepower:	24	10	
	Ripper Attachment	t: 3-Shank Ripp	per	<u> </u>	Shift Basis:		day	
					Data Source:	(CR	RG)	_
<u>(</u>	Cost Breakdown:				Utilization %			
	Owne	rship Cost/Hour:		\$90.24	NA			
		rating Cost/Hour:		\$78.95	100			
		rship Cost/Hour: rating Cost/Hour:		\$9.25 \$5.20	NA 100			
		erator Cost/Hour:		\$38.59	NA			
	*	Unit Cost/Hour:	-	\$222.23				
	Total	Fleet Cost/Hour:	\$222	2.23				
7			-					
_	MATERIAL QUANT Alternate Methods:	111ES	Sele	ected estimating	g method: Area			
		T-	1 37 1	NTA	DCW	3. 7		
mic: Area:	NA 43.09 ac		Sank Volume: ip Depth (ft):	NA 2.50	BCY Volume: 17	N 73,796		CY or
<u>]</u>	HOURLY PRODUCT	e of estimated qua <u>FION</u>		,	. Issumace			
5	Seismic:	Seismic V	alogitus	NA	feet/secoi	ad.		
		Seisinic v	elocity:	NA	leet/secoi	10		
<u> </u>	Area:	Average Ripping	Denth	2.45	feet/pass			
		Average Ripping		6.50	feet/pass			
		Average Ripping	Length:	100.00	feet/pass			
		Average Dozei	·	88.00	feet/minu			
	1	Average Maneuve Production per un		0.25 0.646	minutes/p acres/hou			
1	Job Condition Correction	•	<u></u>	0.010				
<u>=</u>								
	Onacjusted	l Hourly Unif Prod	luction:	0.646	Acres/hr			
		l Hourly Unit Proc		0.646	Acres/hr			
		Site A	Altitude:	9,500 1.00	feet	3)		
		Site A Altitu		9,500				
		Site A Altitu	de Adj:	9,500 1.00	feet (CAT HE	ay)		
		Site A Altitu Job Eff	de Adj: diciency: rection:	9,500 1.00 0.83 0.83	feet (CAT HE (1 shift/d:	ay)		
<u>J</u>		Site A Altitu Job Eff Net Cor djusted Hourly U djusted Hourly Fl	de Adj: diciency: rection:	9,500 1.00 0.83 0.83	feet (CAT HE (1 shift/damultiplier Acres/hr	ay)		
ĵ	A	Site A Altitu Job Eff Net Cor Adjusted Hourly U djusted Hourly Fl	de Adj: de Adj: de rection: de Production:	9,500 1.00 0.83 0.83	feet (CAT HE (1 shift/d: multiplier Acres/hr Acres/hr	ay)	Hours	S

: Cresson Project	Permit Action:	2025 Update M1980244	Permit/Job#: <u>M1980244</u>
PROJECT IDENTIFICATI	ON		
Task #: A0605 Date: 6/29/2025 User: ERR	State: Colorado County: Teller		Abbreviation: None Filename: A0605
Agency or organization	name: DRMS		
HOURLY EQUIPMENT C	<u>OST</u>		
Basic Machine: Horsepower: Blade Type: Semi-Univ NA Shift Basis: Data Source: Cost Breakdown: Cost Breakdown: Ownership Cost/Hour: Operating Cost/Hour: Ripper own. Cost/Hour: Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: \$492	\$257.39 \$196.93 \$0.00 \$0.00 \$38.59	Utilization % NA 100 NA 0 NA	
MATERIAL QUANTITIES	<u>.</u>		
Initial Volume: 8,867 Swell factor: 1.000 Loose volume: 8,867 LCY			
Swell factor: 1.000	2022 CC&V Provide Cat Handbook	d Estimate	
Swell factor: 1.000 Loose volume: 8,867 LCY Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTION	Cat Handbook	1 Estimate	
Swell factor: 1.000 Loose volume: 8,867 LCY Source of estimated volume: Source of estimated swell factor:	· ·	d Estimate	
Swell factor: 1.000 Loose volume: 8,867 LCY Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTION Average push distance:	Cat Handbook 165 feet 1,141.9 LCY/hr		
Swell factor: 1.000 Loose volume: 8,867 LCY Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTION Average push distance: Unadjusted hourly production:	Cat Handbook 165 feet 1,141.9 LCY/hr a: Rock, poorly rippe		
Swell factor: 1.000 Loose volume: 8,867 LCY Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTION Average push distance: Unadjusted hourly production: Materials consistency description Average push gradient: -30 % Average site altitude: 9,500	Cat Handbook 165 feet 1,141.9 LCY/hr a: Rock, poorly rippe		
Swell factor: 1.000 Loose volume: 8,867 LCY Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTION Average push distance: Unadjusted hourly production: Materials consistency description Average push gradient: -30 % Average site altitude: 9,500 Material weight: 2,800	Cat Handbook 165 feet 1,141.9 LCY/hr Rock, poorly rippe		
Swell factor: 1.000 Loose volume: 8,867 LCY Source of estimated volume: Source of estimated swell factor: HOURLY PRODUCTION Average push distance: Unadjusted hourly production: Materials consistency description Average push gradient: -30 % Average site altitude: 9,500 Material weight: 2,800	Cat Handbook 165 feet 1,141.9 LCY/hr Rock, poorly rippe 6 0 feet 0 lbs/LCY ite - Broken		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4713

Adjusted unit production: 538.18 LCY/hr
Adjusted fleet production: 1076.36 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.916/LCY

Total job time: 8.24 Hours
Total job cost: \$8,121

Task description:	Crusher Mine A	rea - Delive	ry Rd - Fine Grading		
: Cresson Project	Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENTIF	EICATION				
Task #: A0606 Date: 6/29/2025 User: ERR	State:	Colorado Teller		Abbreviation: Filename:	None A0606
Agency or orga	anization name: DI	RMS			
HOURLY EQUIPM	ENT COST				
Basic Machine: Ca	at D7R DS Series II L	.GP			
Horsepower: 24					
	raight				
Attachment: N					
Shift Basis: 1	per day				
Data Source: (C	CRG)		<u> </u>		
Coot Develodores			<u> </u>		
Cost Breakdown:			Utilization %		
Ownership Cost/Hour:		\$90.24	NA		
Operating Cost/Hour:		\$78.95	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59			
Operator Cost/Hour.	-	\$30.37	NA		
MATERIAL QUAN	5				
Swell factor: 1.00 Loose volume: 985	00 S LCY				
		<u> </u>			
Source of estimated volu Source of estimated swe		&V Provided lbook	l Estimate		
HOURLY PRODUC	<u>'TION</u>				
Average push distance:	165 feet				
Unadjusted hourly produ		/hr			
Materials consistency de	escription: Rock,	poorly ripped	l or blasted 0.6		
Average push gradient: Average site altitude:	-30 % 9,500 feet				
Material weight:	2,800 lbs/LCY			_	
Weight description:	Granite - Broken				
Job Condition Correctio			Source		
Operator		.750	(AVG.)		
Material consis		.600	(CAT HB)		
Dozina m	ethod: 1	000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3927

Adjusted unit production: 135.05 LCY/hr
Adjusted fleet production: 135.05 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.539/LCY

Total job time: 7.29 Hours
Total job cost: \$1,515

TRUCK/LOADER TEAM WORK

Task description:	Crusher	r Mine Area - To	psoil - Delivery I	Rd - Transport		
Site: Cresson Project	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE Task #: A060 Date: 6/29/ User: ERR	07 /2025	State: Colora County: Teller	ado	Ab	breviation: No. Filename: A0.	
Agency o	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	_			is: 1 per day	
-	Truck Loader Tea		Equipment Descri 777F	ption		
		-Loader: CA	Г 992К			
Sup	port Equipment -I D-	Load Area: Cat ump Area: NA	D10T - 10SU			
Road N	Maintenance – Mot	or Grader: CA	Г 16М			
	-Wa	nter Truck: Wat	ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team Loader	Support l Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA NA	0	NA so oo	NA NA	NA so oo	NA \$0.00
Ripper own. cost/hour: Ripper op. cost/hour:	NA NA	\$0.00 \$0.00	\$0.00 \$0.00	NA NA	\$0.00 \$0.00	\$0.00 \$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	2	1	1	0	1	1
Group Subtotals:	Work:	\$1,292.21	Support:	\$492.91	Maint:	\$352.41
Total work team co	UANTITIES					
Initial volume Loose volume		CCY LCY		factor: 1.215		
Source of estimated volume: Source of estimated swell factor: Material Purchase Cost: Total Cost: 2022 CC&V Provided Estimate Cat Handbook \$0.00 \$0.00						
HOURLY PRO	<u>ODUCTION</u>					
<u>Truck Capacity:</u> Truck Payload (we	ight) Racic					
Material			Pounds/LCY			
	ription: Top So		Pounds			

Truck/Loader Worksheet Cor	nt'd	Task # A0607			Page 2 of 3	
Payload Capacity: _	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity						
Educing Tool Capacity			Dual	rat Siza Classe N	Α.	
D : 10	1 6 000	I CIV (1 I)	Duck	tet Size Class: N	A	_
Rated Capacity:	16.000	LCY (heaped)	(100	1200() 1 100		-
Bucket Fill Factor:	1.100	Other - rock/dirt	mixtures (100-	-120%) 1.100		-
Adjusted Capacity: _	17.600	LCY				
Job Condition Corrections:	_	Sit	e Altitude (ft.): 9	0 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	of Loading Tool Pas	ses Required to I	Fill Truck:	4 r	oasses
Excavators and Front Shovel		or 2000ing 10011 us	oo roquire to r		r	
Machine Cycle Time vs Selected Value v						
Track Loaders –		<u> </u>				
Cycle Time Elements (min.):		puon				
Load: NA	M	aneuver: NA		Dump: 0.100)	
Wheel and Track Loaders -	– Unadiusted Ba	sic Loader Cycle Tim	e (load, dump, n	naneuver): 0	.625 minu	utes
Cycle Time Factors	j			Factor (min.)	Source	
Material:	Mixed materia	a1 0 02		0.020	(Cat HB)	_
Stockpile:		t - factor not applicat	le 0 00	0.020	(Cat HB)	_
Truck Ownership:		ership of trucks and l		-0.040	(Cat HB)	_
Operation:	Constant oper		0.04	-0.040	(Cat HB)	_
Dump Target:	Nominal targe			0.000	(Cat HB)	_
Dump Targett	Trommar targe	Net Cycle Time	e Adjustment:	-0.060	minutes	_
		Adjusted Loade	_	0.565	minutes	
			ne per Truck:	1.795	minutes	
Truck Cycle Time:						
Truck Exchange Time	0.80	Minutes	Adjusted	for site altitude:	0.800	Minu
Truck Load Time	-	 Minutes	ū	for site altitude:	1.832	_ Minu
ck Maneuver and Dump Time		Minutes	3	for site altitude:	1.200	Minu
or maneuver and Dump Time	1.20	Minutes	1 iujusicu	101 SILC HILLIAGE.	1.200	141111U

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	-3.60	3.00	-0.60	3503	0.213

Task # A0607

Haul Time: 0.213 minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	3.60	3.00	6.60	2398	0.394

Return Time: 0.394 minutes
Total Truck Cycle Time: 4.439 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour

Truck Unit Production

951.64 LCY/Hour Adjusted for job efficiency: ____789.86 LCY/Hour

Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 1,579.73 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 7.52 Hours

Unit cost: \$1.604 /LCY Total job cost: **\$16,071**

Task description:	Crush	er Mine A	rea -Topsoil	l - Delivery Road - Doze	r Spreading	
Cresson Project		Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDEN	TIFICATIO	N				
Task #:A0608	8	State:	Colorado Teller		Abbreviation:	None A0608
Date: <u>6/29/2</u> User: ERR	.025	County:	Teller		Filename:	A0008
	organization na	ame: DF	RMS			
HOURLY EQUI	PMENT COS	ST				
Basic Machine:	Cat D7R DS	— Series II L	GP			
Horsepower:	240			<u>—</u>		
Blade Type:	Straight					
Attachment:	NA					
Shift Basis:	1 per day					
Data Source:	(CRG)			<u></u>		
Cost Breakdown:				1		
				<u>Utilization %</u>		
Ownership Cost/H			\$90.24	NA		
Operating Cost/H			\$78.95	100		
Ripper own. Cost/H			\$0.00	NA		
Ripper op. Cost/H	· · · · · · · · · · · · · · · · · · ·		\$0.00	25		
Operator Cost/H	our:		\$38.59	NA		
MATERIAL QU	<u>ANTITIES</u>					
Initial Volume:	8,244					
Swell factor:	1.215					
Loose volume:	10,016 LCY					
Source of estimated	volume:	2022 CC	&V Provided	d Estimate		
Source of estimated	swell factor:	Cat Hand	lbook			
HOURLY PROD	UCTION					
Average push distant		50 feet				
Unadjusted hourly p	roduction: 8	800.0 LCY	/hr			
Materials consistence	y description:	Loose	stockpile 1.2			
Average push gradie	ent: -30 %					
Average site altitude		eet				
Material weight:	1,600 lt	os/LCY				
Weight description:	Top So	il				
Job Condition Corre Open	ection Factor rator Skill:	0.	.750	Source (AVG.)		
Material co			.200	(CAT HB)		
	ng method:		.000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 1,100.64 LCY/hr
Adjusted fleet production: 1100.64 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.189/LCY

Total job time: 9.10 Hours
Total job cost: \$1,891

BULLDOZER RIPPING WORK

			Area - Topsoi	·	11 0		
Site:	Cresson Project	P	ermit Action:	2025 Update M1980244	Pe	rmit/Job#: M1	1980244
	PROJECT IDENTII	FICATION	-				
	Task #: A0609 Date: 6/29/2025 User: ERR	State				eviation: Nor ilename: A06	
	Agency or orga	anization name:I	DRMS				
	HOURLY EQUIPM	ENT COST					
	Basic Machir	ne: Cat D7R DS S	Series II LGP		Horsepower:	240	
	Ripper Attachmen	nt: 3-Shank Rippe	er		Shift Basis:	1 per da	
					Data Source:	(CRG)	
	Cost Breakdown:			1			
	0	1: 6 //		¢00.24	Utilization %		
		nership Cost/Hour: erating Cost/Hour:		\$90.24 \$78.95	NA 100		
		1		\$9.25	NA		
		erating Cost/Hour:	=	\$5.20	100		
		perator Cost/Hour:		\$38.59	NA		
	Tota	al Unit Cost/Hour:		\$222.23			
	Tota	l Fleet Cost/Hour:	\$222	2.23			
	MATERIAL QUAN	TITIFS	C-1.	4 . 4 4 4			
	Alternate Methods:	<u> 1111ES</u>	Sele	ected estimating	g method: Area		
		D	ank Volume:	NT A	BCY	NI A	
mic: Area:	$\frac{\text{NA}}{10.22}$ a		p Depth (ft):	NA 2.50		NA 1,221	BCY or
	HOURLY PRODUC	ce of estimated quan	uity: <u>2022 C</u>	C& v Provided	Estimate		
	<u>Seismic:</u>						
	Seismic:	Seismic Ve	elocity:	NA	feet/seco	nd	
	Seismic: Area:		elocity:	NA	feet/seco	nd	
		Seismic Ve Average Ripping	Depth:	2.45	feet/pass		
		Seismic Ve Average Ripping Average Ripping	Depth:	2.45 6.50	feet/pass feet/pass		
		Seismic Ve Average Ripping Average Ripping Average Ripping I	Depth:	2.45 6.50 300.00	feet/pass feet/pass feet/pass		
		Seismic Ve Average Ripping Average Ripping I Average Dozer	Depth: Width: Length:	2.45 6.50 300.00 88.00	feet/pass feet/pass feet/mini	ute	
		Seismic Ve Average Ripping Average Ripping Average Ripping I	Depth: Width: Length: Speed:	2.45 6.50 300.00	feet/pass feet/pass feet/pass	ite pass	
		Seismic Ve Average Ripping Average Ripping I Average Dozer Average Maneuver Production per un	Depth: Width: Length: Speed:	2.45 6.50 300.00 88.00 0.25	feet/pass feet/pass feet/mini minutes/	ite pass	
	Area: Job Condition Correction	Seismic Ve Average Ripping Average Ripping I Average Dozer Average Maneuver Production per un	Depth: Width: Length: Speed: Time: it area:	2.45 6.50 300.00 88.00 0.25	feet/pass feet/pass feet/mini minutes/	ite pass	
	Area: Job Condition Correction	Seismic Ve Average Ripping Average Ripping I Average Dozer Average Maneuver Production per un on Factors ed Hourly Unit Production	Depth: Width: Length: Speed: Time: it area: uction:	2.45 6.50 300.00 88.00 0.25 0.734	feet/pass feet/pass feet/pass feet/mini minutes/ acres/hou	ite pass	
	Area: Job Condition Correction	Seismic Ve Average Ripping Average Ripping I Average Dozer Average Maneuver Production per un on Factors ed Hourly Unit Prod	Depth: Width: Length: Speed: Time: it area:	2.45 6.50 300.00 88.00 0.25 0.734 0.734 9,500 1.00	feet/pass feet/pass feet/pass feet/mini minutes/ acres/hor	ute pass ur	
	Area: Job Condition Correction	Seismic Ve Average Ripping Average Ripping I Average Ripping I Average Dozer Average Maneuver Production per un on Factors ed Hourly Unit Prod Site Al Altituc Job Effic	Depth: Width: Length: Speed: Time: it area: uction: ltitude: de Adj: ciency:	2.45 6.50 300.00 88.00 0.25 0.734 0.734 9,500 1.00 0.83	feet/pass feet/pass feet/pass feet/mini minutes/ acres/ho Acres/hr feet (CAT H) (1 shift/d)	ite pass ir 3) ay)	
	Area: Job Condition Correction	Seismic Ve Average Ripping Average Ripping I Average Dozer Average Maneuver Production per un on Factors ed Hourly Unit Production Site Al	Depth: Width: Length: Speed: Time: it area: uction: ltitude: de Adj: ciency:	2.45 6.50 300.00 88.00 0.25 0.734 0.734 9,500 1.00	feet/pass feet/pass feet/pass feet/mini minutes/ acres/hor Acres/hr feet (CAT H)	ite pass ir 3) ay)	
	Area: Job Condition Correctio Unadjuste	Seismic Ve Average Ripping Average Ripping I Average Ripping I Average Dozer Average Maneuver Production per un on Factors ed Hourly Unit Prod Site Al Altituc Job Effic	Depth: Width: Length: Speed: Time: it area: uction: ltitude: de Adj: ciency: rection: nit Production:	2.45 6.50 300.00 88.00 0.25 0.734 0.734 9,500 1.00 0.83	feet/pass feet/pass feet/pass feet/mini minutes/ acres/ho Acres/hr feet (CAT H) (1 shift/d)	ite pass ir 3) ay)	
	Area: Job Condition Correctio Unadjuste	Seismic Ve Average Ripping Average Ripping I Average Ripping I Average Dozer Average Maneuver Production per un on Factors ed Hourly Unit Prod Site Al Altitud Job Effic Net Corr Adjusted Hourly Un	Depth: Width: Length: Speed: Time: it area: uction: ltitude: de Adj: ciency: rection: nit Production:	2.45 6.50 300.00 88.00 0.25 0.734 0.734 9,500 1.00 0.83 0.83	feet/pass feet/pass feet/pass feet/mini minutes/ acres/ho Acres/hr feet (CAT H) (1 shift/c multiplie Acres/hr	ite pass ir 3) ay)	
	Area: Job Condition Correction Unadjuste JOB TIME AND CO	Seismic Ve Average Ripping Average Ripping I Average Ripping I Average Dozer Average Maneuver Production per un on Factors ed Hourly Unit Prod Site Al Altitud Job Effic Net Corr Adjusted Hourly Un	Depth: Width: Length: Speed: Time: it area: uction: ltitude: de Adj: ciency: rection: nit Production: eet Production:	2.45 6.50 300.00 88.00 0.25 0.734 0.734 9,500 1.00 0.83 0.83	feet/pass feet/pass feet/pass feet/min minutes/ acres/hor Acres/hr feet (CAT H) (1 shift/d multiplie Acres/hr Acres/hr	ite pass ir 3) ay)	_ Hours

TRUCK/LOADER TEAM WORK

Site: Cresson Project	et	Permit Ac	2025 Updat M1980244		Permit/Job#: M	11980244
PROJECT IDE	NTIFICATION					
Task #: <u>A07</u>			orado	Ab	breviation: No	
Date: 6/29 User: ERF		County: Tell	er		Filename: A0	0700
	-	DDMC				
Agency	or organization nan	ne: DRMS				
HOURLY EQU	IPMENT COST	<u> </u>		Shift bas	is: 1 per day	
		T. 1 0	Equipment Descri	iption		
	Truck Loader Tea		at 777F AT 992K			
Sup	port Equipment -L		at D10T - 10SU			
		imp Area: N				
Road I	Maintenance –Moto		AT 16M Vater Tanker, 7,000	Gal		
-	- vv a	ter fruck.	ater ranker, 7,000	Gai.		
Cost Breakdown				Equipment		nce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75		NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31		NA	\$29.91	\$20.80
%Utilization-riper:	NA NA	()		NA NA	NA \$0.00	NA \$0.00
ipper own. cost/hour: Ripper op. cost/hour:	NA NA	\$0.00 \$0.00		NA NA	\$0.00 \$0.00	\$0.00 \$0.00
Operator cost/hour:	\$25.24	\$36.85		NA NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91		NA	\$237.06	\$115.35
Number of Units:	2	1		0	1	1
Group Subtotals:	Work:	\$1,292.21	Support:	\$492.91	Maint:	\$352.41
Total work team c	ost/hour: \$2,137. 5	53	·			
Total Wolli Call	φ 2,12					
MATERIAL Q	<u>UANTITIES</u>					
Initial volum	e: 3,228	CC	Y Swell	factor: 1.215		
Loose volum	e: 3,92 2	LC	Y			
S	ource of estimated	volume: 202	22 CC&V Provided	Estimate		
Sourc	ce of estimated swe		t Handbook			
	Material Purcha	ase Cost: \$0. otal Cost: \$0.				
	10					
HOURLY PR	<u>ODUCTION</u>					
Truck Capacity:						
Truck Capacity.						
Truck Payload (we				_		
Truck Payload (we Material		;1	Pounds/LCY	,		

					_	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Fina	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Duol	rat Siga Classe N	Γ.Α.	
Datad Canasitan	16,000	LCV (because)	Биск	tet Size Class: N	A	_
Rated Capacity: Bucket Fill Factor:	16.000 1.100	LCY (heaped) Other - rock/dirt	miyturos (100	120%) 1 100		_
Adjusted Capacity:	17.600	LCY	illixtures (100-	-120%) 1.100		_
Aujusted Capacity.	17.000	LCI				
Job Condition Corrections	<u>:</u>	Sit	e Altitude (ft.): 9	0 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
	1	0.013				
Loading Tool Cycle Times	Number	r of Loading Tool Pas	ses Required to I	Fill Truck:	4	passes
Loading Tool Cycle Time: Excavators and Front Shove	Numbei	r of Loading Tool Pas	ses Required to I	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time:	Numbei	r of Loading Tool Pas n Rating: NA	ses Required to I	Fill Truck:	4 1	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time:	Number vs. Job Condition within this Basi	r of Loading Tool Pas n Rating: NA c Rating: NA	ses Required to I	Fill Truck:	4	passes
Excavators and Front Shove Machine Cycle Time Selected Value	Number S. Job Condition Within this Basic Material Description	r of Loading Tool Pas n Rating: NA c Rating: NA	ses Required to I	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders –	Numbernels: Test of Condition within this Basin Material Description.	r of Loading Tool Pas n Rating: NA c Rating: NA	ses Required to I	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.)	Number S. Job Condition Within this Basic Material Description M	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA		Dump: 0.100)	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA	Number S. Job Condition Within this Basic Material Description M	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA		Dump: 0.100)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material:	Number S. Job Condition Within this Basic Material Description Muster Material Material Mixed material	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Times	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Number Sels: Test Job Condition Within this Basic Material Descript Muster Material Mixed material No adjustmen	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time (al 0.02 nt - factor not applicable)	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000	.625 min Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Sels: No adjustmer Common own	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Times al 0.02 nt - factor not applications and increasing of trucks and increasing the content of the content	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: S	n Rating: NA c Rating: NA iption: NA laneuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicate hership of trucks and bration -0.04	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Sels: Sels: Sels: Sels: Sels: Sels: Material Description: Mixed material Mixed material No adjustmer Common own	n Rating: NA c Rating: NA iption: NA laneuver: NA laneuve	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: S	n Rating: NA c Rating: NA iption: NA laneuver: NA laisic Loader Cycle Time laid 0.02 nt - factor not applicable nership of trucks and lation -0.04 et 0.00 Net Cycle Time	e (load, dump, note of the 0.00 oaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: S	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Ial 0.02 Int - factor not applicate Inership of trucks and I Iration -0.04 et 0.00 Net Cycle Time Adjusted Loade	e (load, dump, note of the 0.00 oaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Sels: S	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Ial 0.02 Int - factor not applicate Inership of trucks and I Iration -0.04 et 0.00 Net Cycle Time Adjusted Loade	e (load, dump, noale 0.00 oaders -0.04 e Adjustment: r Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number of the Nu	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Ial 0.02 Int - factor not applicate Inership of trucks and I Iration -0.04 et 0.00 Net Cycle Time Adjusted Loade	e (load, dump, noaders -0.04) e Adjustment: r Cycle Time: me per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes — — — —
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number Sels: Test Job Condition within this Basis Material Description: - Unadjusted Basis Mixed material No adjustmer Common own Constant open Nominal targets: - Unadjusted Basis Mixed material No adjustmer Common own Constant open Nominal targets: - Unadjusted Basis Mixed material No adjustmer Common own Constant open Nominal targets: - Unadjusted Basis Mixed Mixed Mixed Material No adjustmer Common own Constant open Nominal targets: - Unadjusted Basis Mixed Mix	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Ial 0.02 Int - factor not applicate Intership of trucks and I Iration -0.04 et 0.00 Net Cycle Time Adjusted Loade Net Load Time	e (load, dump, noble 0.00 oaders -0.04 e Adjustment: r Cycle Time: me per Truck: _	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time: Truck Exchange Time	Number Number Sels: Test Job Condition within this Basic Material Description: Mixed material No adjustment Common own Constant open Nominal target 1.795	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicate nership of trucks and pration -0.04 et 0.00 Net Cycle Time Adjusted Loade Net Load Time Minutes	e (load, dump, noaders -0.04 e Adjustment: r Cycle Time: me per Truck: Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	-3.60	3.00	-0.60	3503	0.213

Haul Time: 0.213 minutes

Return Route:

IXCUITI IXC	Juic.						
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	500.00	3.60	3.00	6.60	2398	0.394	

Return Time: 0.394 minutes
Total Truck Cycle Time: 4.439 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

951.64 LCY/Hour Adjusted for job efficiency: 789.86 LCY/Hour

Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 1,579.73 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 2.94 Hours

Unit cost: \$1.604 /LCY Total job cost: \$6,293

Task description:	Chica	igo Mine A	rea - ropson			
: Cresson Project		Per	mit Action:	2025 Update M1980244	_ Permit/Job#:	M1980244
PROJECT IDEN	JTIFICATIO	N				
Task #: A070 Date: 6/29/2 User: ERR	1	State: County:	Colorado Teller		Abbreviation: Filename:	None A0701
	organization r	name: DI	RMS			
			CIVIS			
HOURLY EQUI	PMENT CO	<u>ST</u>				
Basic Machine:	Cat D7R DS	Series II L	GP	<u></u>		
Horsepower:	240					
Blade Type:	Straight					
Attachment:	NA					
Shift Basis:	1 per day					
Data Source:	(CRG)					
Cost Breakdown:						
Cost Dicardown.				Utilization %		
Ownership Cost/H	lour:		\$90.24	NA		
Operating Cost/H			\$78.95	100		
Ripper own. Cost/H			\$0.00	NA		
Ripper op. Cost/H			\$0.00	25		
Operator Cost/H			\$38.59	NA		
MATERIAL QU						
Initial Volume:	3,228					
Swell factor:	1.215					
Loose volume:	3,922 LCY					
Source of estimated Source of estimated		2022 CCc Cat Hand	&V Provided	l Estimate		
HOURLY PROI	<u>OUCTION</u>					
Average push distar Unadjusted hourly		55 feet 800.0 LCY	/hr			
	production:	800.0 LCY	/hr stockpile 1.2			
Unadjusted hourly p	production:cy description:ent:30 %	Loose				
Unadjusted hourly p Materials consistence Average push gradi	er:	Loose				
Unadjusted hourly p Materials consistence Average push gradi Average site altitud	ent:30 % e:1,600	Loose : tell to be seen to be se				
Unadjusted hourly p Materials consistence Average push gradi Average site altitud Material weight: Weight description: Job Condition Corre	ent:30 %	Loose : Loose : tell to be lettered to be lettere	stockpile 1.2	Source		
Unadjusted hourly p Materials consistence Average push gradic Average site altitude Material weight: Weight description: Job Condition Corrections Ope	ent:	Loose : Loose : State of the control of the contr				

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 1,100.64 LCY/hr
Adjusted fleet production: 1100.64 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.189/LCY

Total job time: 3.56 Hours
Total job cost: \$740

BULLDOZER RIPPING WORK

	Task description:	Chicago Mine Ar	ea - Topsoi	l - Ripping				
Site	: Cresson Project	Perm	nit Action:	2025 Update M1980244	F	Permit/Job#:	M198024	44
	PROJECT IDENTII	FICATION .						
	Task #: A0702 Date: 6/29/2025 User: ERR	State: _ County: _	Colorado Teller			oreviation: Filename:	None A0702	
	Agency or org	anization name:DR	MS					
	HOURLY EQUIPM	ENT COST						
	Basic Machin		es II LGP		Horsepower:	-	240	
	Ripper Attachme	nt: 3-Shank Ripper			Shift Basis: Data Source:		er day CRG)	
	Cost Breakdown:							
	O	anchin Coat/Houns		\$90.24	Utilization %			
		ership Cost/Hour:erating Cost/Hour:		\$90.2 4 \$78.95	NA 100	_		
		1.1 C4/II		\$9.25	NA	=		
		erating Cost/Hour:		\$5.20	100	-		
	-	perator Cost/Hour:		\$38.59	NA	=		
	Tota	al Unit Cost/Hour:		\$222.23				
	Tota	l Fleet Cost/Hour:	\$222	2.23				
	MATERIAL QUAN	<u>TITIES</u>	Sele	ected estimating	g method: Are	a		
	Alternate Methods:							
leismic:	NA	Bank	Volume:	NA	BCY		NA	
Area:		cres Rip D	epth (ft):	2.50	Volume:	16,537		BCY or CO
	HOURLY PRODUC	<u>TTION</u>						
		Seismic Veloc	ity:	NA	feet/sec	cond		
	Area:							
		Average Ripping Dep		2.45	feet/pa			
		Average Ripping Wie Average Ripping Length		6.50 150.00	feet/pa feet/pa			
		Average Dozer Spe		88.00	feet/mi			
		Average Maneuver Ti		0.25	minute			
		Production per unit a	rea:	0.687	acres/h	our		
	Job Condition Correction	n Factors						
	Unadjuste	d Hourly Unit Producti	ion:	0.687	Acres/l	nr		
		Site Altitu	ıde:	9,500	feet			
		Altitude A	-	1.00	(CAT I			
		Job Efficier		0.83	(1 shift	•		
		Net Correcti	ion:	0.83	multipl	1er		
		Adjusted Hourly Unit F Adjusted Hourly Fleet F		0.57 0.57	Acres/hr Acres/hr			
	JOB TIME AND CO	<u>OST</u>						
	Fleet size:	1 Grader(s)		Total job tim	ne:	7.19	Но	ırs
	Unit cost: \$38	9.675 Per acre		Total job co	st:	51,598		

TRUCK/LOADER TEAM WORK

Task description:	TR133	WHEX Clay Bor	row Area - Tops	oil - Transport		
Site: Cresson Project		Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN Task #: A070 Date: 6/29/ User: ERR)3	State: Colora County: Teller	do	Ab	breviation: No. Filename: A0	
Agency of	r organization nar	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>r</u>		Shift bas	is: <u>1 per day</u>	
	Fruck Loader Tea		Equipment Descri	ption		
		-Loader: CAT	Г 988Н			
Supp	oort Equipment -I D:	Load Area: Cat ump Area: NA	D8T - 8SU			
Road M	Iaintenance –Mot	or Grader: CAT	Г 16М			
	-Wa	nter Truck: Wat	er Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo Truck	ader Team Loader	Support I Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$108.25	\$131.26	\$173.32	NA	\$179.39	\$73.42
Operating cost/hour:	\$79.54	\$100.12	\$109.71	NA	\$29.91	\$20.80
% Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	NA \$0.00	NA NA	NA \$0.00	NA \$0.00
Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$213.03	\$268.23	\$321.62	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$907.32	Support:	\$321.62	Maint:	\$352.41
Total work team co	<u>JANTITIES</u>	35 CCY	Swell	factor: 1.215		
Loose volume		6 LCY		<u> </u>		
	e of estimated swe Material Purch	ell factor: Cat H	Iandbook			
HOURLY PRO	<u>DUCTION</u>					
Truck Capacity: Truck Payload (we Material			Pounds/LCY			
	ription: Top So		Pounds			

Payload Capacity:	54.38	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	24.20	LCY				
Heaped Volume:	31.40	LCY				
Average Volume:	27.80	LCY				
Adjusted Volume:	31.40	LCY				
Fina	l Truck Volume	e Based on Number o	f Loader Passes:	30.36	LCY	
Loading Tool Capacity			ъ	a: a: v		
Rated Capacity:	9.200	LCY (heaped)	Buck	tet Size Class: N	A	
Bucket Fill Factor:	1.100		rt mixtures (100-	-120%) 1.100		_
Adjusted Capacity:	10.120	LCY	(100	120,0) 11100		_ ,
Job Condition Corrections	•	S	ite Altitude (ft.): 9	0500 feet		
300 Condition Corrections		Loader	` / =	<u> </u>		
Altitude Adj:	Truck 0.820	0.950	Source (CAT HB	1		
Job Efficiency:	0.820	0.930	(CAT HB			
	0.050	0.030	(C/11 IID	,		
Net Correction:	0.681	0.789				
		0.789 er of Loading Tool Pa	usses Required to F	Fill Truck:	3 1	passes
Net Correction:	Numbe	ı	usses Required to F	Fill Truck:	31	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time:	Numbe els: vs. Job Conditio	er of Loading Tool Pa	usses Required to F	Fill Truck:	31	passes
Net Correction: Loading Tool Cycle Time Excavators and Front Shove Machine Cycle Time Selected Value	Number Nu	on Rating: NA ic Rating: NA	asses Required to F	Fill Truck:	3 1	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Show Machine Cycle Time: Selected Value Track Loaders -	Number Nu	on Rating: NA ic Rating: NA	asses Required to F	Fill Truck:	3	passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Show Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.)	Number Nu	on Rating: NA ic Rating: NA ription:	asses Required to F			passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Show Machine Cycle Time: Selected Value Track Loaders -	Number Nu	on Rating: NA ic Rating: NA	asses Required to F	Fill Truck: Dump:0.100		passes
Net Correction: Loading Tool Cycle Time: Excavators and Front Show Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.)	Numberles: vs. Job Condition within this Basin Material Descript M	on Rating: NA ic Rating: NA ription: Maneuver: NA		Dump:0.100		
Net Correction: Loading Tool Cycle Time Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA	Numberles: vs. Job Condition within this Basin Material Descript M	on Rating: NA ic Rating: NA ription: Maneuver: NA		Dump: 0.100)	
Net Correction: Loading Tool Cycle Time: Excavators and Front Show Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Numberles: vs. Job Condition within this Basin Material Descript M	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Ti		Dump:0.100) .575 min	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors	Number Nu	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Ti rial 0.02 nt - factor not applica	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.)) 0.575 min Source	
Net Correction: Loading Tool Cycle Time Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Number Number No. Job Condition within this Basis Material Description: - Unadjusted Basis Mixed mater No. adjustment Common ow	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the ricks and	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040).575 min Source (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and ceration -0.04	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Number Number No. Job Condition within this Basis Material Description: - Unadjusted Basis Mixed mater No. adjustment Common ow	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and certation -0.04 get 0.00	me (load, dump, mable 0.00	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00 Net Cycle Tir	me (load, dump, mable 0.00 loaders -0.04 me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Net Correction: Loading Tool Cycle Time Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and the restriction of the restriction of trucks and the restri	me (load, dump, mable 0.00 loaders -0.04 loaders -0.04 ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.515	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Net Correction: Loading Tool Cycle Time Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and the restriction of the restriction of trucks and the restri	me (load, dump, mable 0.00 loaders -0.04 me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Net Correction: Loading Tool Cycle Time Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and the restriction of the restriction of trucks and the restri	me (load, dump, mable 0.00 loaders -0.04 loaders -0.04 ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.515	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Number Number No. Job Condition within this Basis Material Description: - Unadjusted Basis Mixed mater No. adjustmer Common ow Constant open Nominal targetage.	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and the restriction of the restriction of trucks and the restri	me (load, dump, mable 0.00 loaders -0.04 loaders -0.04 ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.515	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Number Number No. Job Condition within this Basis Material Description: - Unadjusted Basis Mixed mater No. adjustment Common ow Constant open Nominal targetter (Common Nominal targetter).	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction -0.04 get 0.00 Net Cycle Tir Adjusted Load Net Load T	me (load, dump, mable 0.00 loaders -0.04 loaders -0.04 ler Cycle Time: Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.515 1.130	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2800.00	0.00	3.00	3.00	3005	1.724

Task # A0703

Haul Time: 1.724 minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2800.00	0.00	3.00	3.00	3005	1.099

Return Time: 1.099 minutes
Total Truck Cycle Time: 5.964 minutes

Loading Tool unit

Production 948.17 LCY/Hour Adjusted for job efficiency: 786.98 LCY/Hour Truck Unit Production

305.45 LCY/Hour Adjusted for job efficiency: 253.52 LCY/Hour

Optimal No. of Trucks: _____ 3 ____ Truck(s) Selected Number of Trucks: _____ 3 ____ Truck(s)

Adjusted hourly truck team production: 760.57 LCY/Hour Adjusted single truck/loader team production: 760.57 LCY/Hour Adjusted multiple truck/loader team production: 760.57 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **6.08** Hours

Unit cost: \$2.079 /LCY Total job cost: **\$9,617**

BULLDOZER RIPPING WORK

	Task description:	TR133 WH	EX Clay Bori	ow Area - Topso	il - Ripping			
Site	: Cresson Project		Permit Actio	on: 2025 Update M1980244	I	Permit/Job#:	M19802	44
	PROJECT IDENT	IFICATION						
	Task #: A0704 Date: 6/29/202 User: ERR		tate: Colora nty: Teller	do		oreviation: Filename:	None A0704	
	Agency or or	ganization name:	DRMS					
	HOURLY EQUIPM	MENT COST						
	Basic Mach	ine: Cat D7R D	S Series II LC	δP	Horsepower:		240	
	Ripper Attachm	ent: 3-Shank R	ipper		Shift Basis:		er day	
					Data Source:	((CRG)	
	Cost Breakdown:				Utilization %			
	Ow	nership Cost/Hou	r:	\$90.24	NA			
	O	perating Cost/Hou	r:	\$78.95	100	_		
		nership Cost/Hou			NA 100	_		
		perating Cost/Hou Operator Cost/Hou		\$5.20 \$38.59	100 NA	_		
		otal Unit Cost/Hou		\$222.23	11/1	_		
	То	tal Fleet Cost/Hou	<i></i>	\$222.23				
			1	P444.43				
	MATERIAL QUAI	NTTTIES _		Selected estimating	g method: Are	a		
	Alternate Methods:							
mic:			Bank Volume		BCY _		NA	D GIV
Area:	4.70	acres	Rip Depth (ft)): 2.50	Volume:	18,957		BCY or 0
	Sou	rce of estimated q	uantity: <u>TR</u>	133				
	HOURLY PRODU	<u>CTION</u>						
	Seismic:							
		Seismic	Velocity:	NA	feet/sec	cond		
	Area:							
		Average Rippi		2.45	feet/pa			
		Average Rippi Average Rippir		6.50	feet/pa			
		Average Rippii Average Do		245.00 88.00	feet/pa feet/mi			
		Average Maneu		0.25	minute			
		Production per		0.723	acres/h	-		
	Job Condition Correct	ion Factors						
	Unadjus	ted Hourly Unit P	roduction:	0.723	Acres/l	hr		
	v	Site	Altitude:	9,500	feet			
			itude Adj:	1.00	(CAT	HB)		
			Efficiency:	0.83	(1 shift			
		Net C	Correction:	0.83	multip	lier		
		Adjusted Hourly			Acres/hr			
		Adjusted Hourly	rieet Producti	on: 0.60	Acres/hr			
	JOB TIME AND C							
	Fleet size:	1 Grad	er(s)	Total job tin	me:	7.83	Но	urs
	Unit cost: \$3	70.348 Per a	cre	Total job co	oct.	\$1,741		

Cresson	Project		Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
₽₽⊜≀Ե⊘ո	r inexia	TETCATIO	N				
		TIFICATIO		a			
Task #:	A0705		State:	Colorado		Abbreviation:	None
Date:	6/29/20	25	County:	Teller		Filename:	2025 Update
User:	ERR					=	M1980244
Ag	gency or o	rganization 1	name: DF	RMS			
HOURLY	FOLUP	MENT CO	ST				
Basic Ma		Cat D7R DS		CD			
		240	Series II L	Ur	<u></u>		
		Straight					
		NA					
		1 per day					
		(CRG)					
	_	(CRO)					
Cost Breakd	down:				1		
					<u>Utilization %</u>		
Ownership				\$90.24	NA		
	g Cost/Ho			\$78.95	100		
Ripper own.	Cost/Hor	ur:		\$0.00	NA		
Ripper op		ur:		\$0.00	25		
Ripper op	Cost/Hour:	\$207.7		\$0.00 \$38.59	NA NA		
Ripper op Operator Total unit C Total Fleet C MATERIA Initial Vol Swell fa	Cost/Hour: Cost/Hour: Cost/Hour AL QUA	\$207.7 \$207.7 \$207.7 NTITIES 3,807 215					
Ripper op Operator Total unit C Total Fleet (MATERIA Initial Vol	Cost/Hour: Cost/Hour: Cost/Hour AL QUA	\$207.7 \$207.7 \$207.7 NTITIES 8,807					
Ripper op Operator Total unit C Total Fleet (MATERIA Initial Vol Swell fa Loose vol	Cost/Hour: Cost/Hour: Cost/Hour: AL QUA Cost/Houre: Cost	\$207.7 \$207.7 \$207.7 NTITIES 3,807 .215 4,626 LCY	8				
Ripper op Operator Total unit C Total Fleet C MATERIA Initial Vol Swell fa Loose vol Source of es	Cost/Hour: Cost/Hour: Cost/Hour AL QUA clume: 3 cactor: 1 clume: 4 stimated v	\$207.7 \$207.7 \$207.7 NTITIES 3,807 .215 1,626 LCY olume:	TR133	\$38.59			
Ripper op Operator Total unit C Total Fleet C MATERIA Initial Vol Swell fa Loose vol Source of es	Cost/Hour: Cost/Hour: Cost/Hour AL QUA clume: 3 cactor: 1 clume: 4 stimated v	\$207.7 \$207.7 \$207.7 NTITIES 3,807 .215 1,626 LCY olume:	8	\$38.59			
Ripper op. Operator Total unit C Total Fleet C MATERIA Initial Vol Swell fa Loose vol Source of es Source of es	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour AL QUA Cactor: 1 Cost/Hour AL QUA Cactor: 2 Cactor: 4 Cost/Hour Cost/Hour Cost/Hour Cost/Hour Cost/Hour AL QUA Cost/Hour AL QUA Cost/Hour AL QUA Cost/Hour Cost/Hour AL QUA Cost/Hour AL QUA Cost/Hour Cost/Hour Cost/Hour Cost/Hour Cost/Hour Cost/Hour AL QUA Cost/Hour Cost/Hour AL QUA Cost/Hour Cost/Hour Cost/Hour Cost/Hour Cost/Hour Cost/Hour Cost/Hour Cost/Hour AL QUA Cost/Hour Cost/Hou	\$207.7 \$207.7 \$207.7 NTITIES 3,807 .215 4,626 LCY olume: well factor:	TR133	\$38.59			
Ripper op. Operator Total unit C Total Fleet C MATERIA Initial Vol Swell fa Loose vol Source of es Source of es	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour AL QUA Cactor: 1 Cost/Hour AL QUA Cactor: 2 Cactor: 4 Cost/Hour Cost/Hour Cost/Hour Cost/Hour Cost/Hour AL QUA Cost/Hour AL QUA Cost/Hour AL QUA Cost/Hour Cost/Hour AL QUA Cost/Hour AL QUA Cost/Hour Cost/Hour Cost/Hour Cost/Hour Cost/Hour Cost/Hour AL QUA Cost/Hour Cost/Hour AL QUA Cost/Hour Cost/Hour Cost/Hour Cost/Hour Cost/Hour Cost/Hour Cost/Hour Cost/Hour AL QUA Cost/Hour Cost/Hou	\$207.7 \$207.7 \$207.7 NTITIES 3,807 .215 4,626 LCY olume: well factor:	TR133	\$38.59			
Ripper op. Operator Total unit C Total Fleet C MATERIA Initial Vol Swell fa Loose vol Source of es Source of es HOURLY Average pus	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: AL QUA lume: _3 factor: _1 lume: _4 stimated v stimated s PRODU sh distance	\$207.7 \$207.7 \$207.7 \$207.7 \$3,807 215 \$4,626 LCY olume: well factor: \$JCTION e:	TR133 Cat Hand	\$38.59			
Ripper op Operator Total unit C Total Fleet C MATERIA Initial Vol Swell fa	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: AL QUA lume: _3 factor: _1 lume: _4 stimated v stimated s PRODU sh distance	\$207.7 \$207.7 \$207.7 \$207.7 \$3,807 215 \$4,626 LCY olume: well factor: \$JCTION e:	TR133 Cat Hand	\$38.59			
Ripper op. Operator Total unit C Total Fleet (MATERIA Initial Vol Swell fa Loose vol Source of es Source of es HOURLY Average pus Unadjusted	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: AL QUA clume: 3 Cactor: 1 clume: 4 stimated v stimated s Y PRODU sh distance hourly pro	\$207.7 \$207.7 \$207.7 \$207.7 \$3,807 215 \$4,626 LCY olume: well factor: \$JCTION e:	TR133 Cat Hand 200 feet 289.3 LCY	\$38.59	NA		
Ripper op Operator Total unit C Total Fleet (MATERIA Initial Vol Swell fa Loose vol Source of es Source of es HOURLY Average pus Unadjusted Materials co	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: AL QUA Cost/Hour: All Quantity Cost/Hour: Co	\$207.7 \$207.7 \$207.7 \$207.7 \$1,807 \$207.7 \$1,807 \$207.7 \$2	TR133 Cat Hand 200 feet 289.3 LCY	\$38.59 book	NA		
Ripper op Operator Total unit C Total Fleet (MATERIA Initial Volume Swell fare Loose volume of essential Source of essentia	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: AL QUA Cost/Hour: Alume: Alum	\$207.7 \$207.7 \$207.7 \$207.7 \$1,807 \$207.7 \$1,807 \$1,807 \$1,626 LCY \$1,626 LCY \$201 description: \$207.7 \$207	TR133 Cat Hand 200 feet 289.3 LCY Loose	\$38.59 book	NA		
Ripper op Operator Total unit C Total Fleet (MATERIA Initial Vol Swell fa Loose vol Source of es Source of es Source of es Unadjusted Materials co	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: AL QUA Cost/Hour: Alume: Alum	\$207.7 \$207.7 \$207.7 \$207.7 \$1,807 \$207.7 \$1,807 \$207.7 \$2	TR133 Cat Hand 200 feet 289.3 LCY Loose	\$38.59 book	NA		
Ripper op. Operator Total unit C Total Fleet C MATERIA Initial Vol Swell fa Loose vol Source of es HOURLY Average pus Unadjusted Materials co Average pus Average site	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: AL QUA lume: _3 Factor: _1 lume: _4 stimated v stimated s PRODU sh distance hourly pro- consistency sh gradien e altitude:	\$207.7 \$207.7 \$207.7 \$207.7 \$207.7 \$1711ES \$3,807 .215 \$4,626 LCY olume: well factor: UCTION e: oduction: description: at: -30 % 9,500	TR133 Cat Hand 200 feet 289.3 LCY Loose	\$38.59 book	NA		
Ripper op. Operator Total unit C Total Fleet (MATERIA Initial Vol Swell fa Loose vol Source of es Source of es HOURLY Average pus Unadjusted Materials co Average pus Average site Material we	Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: AL QUA clume:	\$207.7 \$207.7 \$207.7 \$207.7 \$207.7 \$1711ES \$3,807 .215 \$4,626 LCY olume: well factor: UCTION e: oduction: description: at: -30 % 9,500	TR133 Cat Hand 200 feet 289.3 LCY Loose :	\$38.59 book	NA		
Ripper op. Operator Total unit C Total Fleet C MATERIA Initial Vol Swell fa Loose vol Source of es Source of es HOURLY Average pus Unadjusted Materials co Average pus Average site Material we Weight desc	Cost/Hour:	\$207.7 \$207.7 \$207.7 \$207.7 \$207.7 \$171TIES \$3,807 .215 \$4,626 LCY olume: well factor: UCTION e: oduction: description: at:	TR133 Cat Hand 200 feet 289.3 LCY Loose :	\$38.59 book	NA		
Ripper op Operator Total unit C Total Fleet (MATERIA Initial Vol Swell fa Loose vol Source of es Source of es HOURLY Average pus Unadjusted Materials co	Cost/Hour:	\$207.7 \$207.7 \$207.7 \$207.7 \$207.7 \$171TIES \$3,807 .215 \$4,626 LCY olume: well factor: UCTION e: oduction: description: at:	TR133 Cat Hand 200 feet 289.3 LCY Loose feet	\$38.59 book	NA		

Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 398.02 LCY/hr
Adjusted fleet production: 398.02 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.522/LCY

Total job time: 11.62 Hours
Total job cost: \$2,415

			Dan	mit Action:	2025 Undata		
Cresson Pro	oject		Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT I	DEN'	FIFICA	<u> FION</u>				
Task #:	A 0706		State:	Colorado		Abbreviation:	None
Date: 6	5/29/20)25	County:	Teller		Filename:	A0706
User: H	ERR		_ •			-	
Agen	cy or o	organizati	on name: DI	RMS			
HOURLY E	QUIF	PMENT	COST				
Basic Mach			DS Series II L	GP			
Horsepov	_	240	Do octics II L	OI .	<u></u>		
Blade Ty		Straight					
Attachm		NA					
Shift Ba	_	1 per day	V				
Data Sou	_	(CRG)	/		<u> </u>		
	_	(-210)			<u> </u>		
Cost Breakdow	<u>vn</u> :				11411		
Over 2	0.04/TT			¢00.24	<u>Utilization %</u>		
Ownership Co				\$90.24 \$78.95	NA 100		
				\$78.95			
Ripper own. Co				\$0.00	NA 0		
				\$38.59			
Operator Co	OST/HC			318 79	NA		
1	050110	·u1.		Ψ30.37	IVA		
•		-	07.78	Ψ30.27	IVA	<u> </u>	
Total unit Cost	/Hour	: \$20	07.78 07.78	Ψ30.37	NA .		
•	/Hour	: \$20	07.78 07.78	ψ30.37			
Total unit Cost	:/Hour st/Hou	: \$20 r: \$2 0	07.78	ψ30.37			
Total unit Cost Total Fleet Cos	:/Hour st/Hou	: \$20 r: \$2 0	07.78	ψ30.57			
Total unit Cost Total Fleet Cos MATERIAL Initial Volum	t/Hour st/Hou . QU / ne:	: \$20 r: \$20 ANTITII	07.78	ψ30.37			
Total unit Cost Total Fleet Cos MATERIAL Initial Volum Swell factor	t/Hour st/Hou v QUA ne: or:	: \$20 r: \$20 ANTITH 1,870 1,000	07.78 ES	ψ30.27			
Total unit Cost Total Fleet Cos MATERIAL Initial Volum Swell facto Loose volum	/Hourst/H	: \$20 r: \$20 ANTITII 1,870 1.000 1,870 LC	07.78 ES Y	ψ30.27			
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Total unit Cost Total Fleet Cos MATERIAL Initial Volum Swell facto Loose volum	A QUA ne: or: ne: nated v	: \$20 r: \$20 ANTITII 1,870 1.000 1,870 LC volume:	07.78 ES Y				
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Total unit Cost Total Fleet Cos MATERIAL Initial Volum Swell fact Loose volum Source of estin Source of estin	ne:nated shated standard st	: \$20 \$20 \$20 \$20 \$1,870 1,000 1,870 LC volume: swell factor	07.78 ES Y TR137 Cat Hance 100 feet	lbook			
Total unit Cost Total Fleet Cos MATERIAL Initial Volum Swell facto Loose volum Source of estin Source of estin HOURLY Pl Average push of	Mour st/Hour s	: \$20 r: \$20 ANTITU 1,870 1.000 1,870 LC volume: swell factor ee: roduction:	7	lbook			
Total unit Cost Total Fleet Cost MATERIAL Initial Volum Swell facto Loose volum Source of estin Source of estin HOURLY Pl Average push of Unadjusted hou	Mour st/Hour s	: \$20 STANTITI 1,870 1.000 1,870 LC volume: swell factor UCTION ce: roduction:	07.78 Y TR137 Cat Hance 100 feet 496.4 LCY ion:Consol	lbook /hr			
Total unit Cost Total Fleet Cost MATERIAL Initial Volum Swell facto Loose volum Source of estin Source of estin HOURLY Pl Average push of Unadjusted hou Materials consi	MODING STANDING STAND	: \$20 xNTITII 1,870 1,000 1,870 LC volume: swell factor ce: roduction: y description: -30	77.78 Y TR137 Cat Hance 100 feet 496.4 LCY ion: Consol	lbook /hr			
Total unit Cost Total Fleet Cost MATERIAL Initial Volum Swell facto Loose volum Source of estin Source of estin HOURLY Pl Average push of Unadjusted hou	MODING STANDING STAND	: \$20 xNTITII 1,870 1,000 1,870 LC volume: swell factor ce: roduction: y description: -30	07.78 Y TR137 Cat Hance 100 feet 496.4 LCY ion:Consol	lbook /hr			
Total unit Cost Total Fleet Cost MATERIAL Initial Volum Swell facto Loose volum Source of estin Source of estin HOURLY Pl Average push of Unadjusted hou Materials consi	ne:	\$20 \$20	77.78 Y TR137 Cat Hance 100 feet 496.4 LCY ion: Consol	lbook /hr			
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Total unit Cost Total Fleet Cost MATERIAL Initial Volum Swell facts Loose volum Source of estin Source of estin HOURLY Pl Average push of Unadjusted hor Materials const Average push of Average site al Material weight Weight descrip	r/Hourst/	\$20 \$20	100 feet 496.4 LCY ion: Consol 0 % 00 feet 00 lbs/LCY anite - Broken	lbook /hr	pile 1.0		
Total unit Cost Total Fleet Cos MATERIAL Initial Volum Swell facto Loose volum Source of estin Source of estin HOURLY Pl Average push of Unadjusted hou Materials considerate and Material weigh	r/Hourst/	\$20 \$20	100 feet 496.4 LCY ion: Consol 0 % 100 lbs/LCY anite - Broken or	lbook /hr lidated stock	pile 1.0		
Total unit Cost Total Fleet Cos MATERIAL Initial Volum Swell facto Loose volum Source of estin Source of estin HOURLY Pl Average push of Unadjusted hou Materials considerable and Material weight Weight descrip Job Condition	r/Hourst/	\$20 \$20	77.78 Y TR137 Cat Hance 100 feet 496.4 LCY ion: Consol 0 % 100 feet	lbook /hr	pile 1.0		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6546

Adjusted unit production: 324.94 LCY/hr
Adjusted fleet production: 324.94 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.639/LCY

Total job time: 5.75 Hours
Total job cost: \$1,196

TRUCK/LOADER TEAM WORK

Task description:	TR137	WHEX Clay Bor	row Area Expan	sion - Topsoil - T	'ransport	
Site: Cresson Project	;	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN Task #: A070 Date: 6/29/ User: ERR)7	State: Colora County: Teller	ado	Ab	breviation: No. A0'	
Agency of	r organization nar	ne: DRMS				
HOURLY EQUI	IPMENT COST	<u>r</u>		Shift bas	is: <u>1 per day</u>	
	T 1 T 1 T		Equipment Descri	ption		
	Truck Loader Tea		740 Γ 988Η			
Supp	oort Equipment -I	Load Area: Cat	D8T - 8SU			
Road M	-Di Iaintenance –Mot	ump Area: NA	Г 16М			
			er Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team Loader	Support l Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$108.25	\$131.26	\$173.32	NA	\$179.39	\$73.42
Operating cost/hour:	\$79.54	\$100.12	\$109.71	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour: Operator cost/hour:	NA \$25.24	\$0.00 \$36.85	\$0.00 \$38.59	NA NA	\$0.00 \$27.76	\$0.00 \$21.12
Unit Subtotals:	\$23.24	\$268.23	\$321.62	NA NA	\$27.76	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$907.32	Support:	\$321.62	Maint:	\$352.41
-		,	zupporu	ψυ21.02	1,1011101	φυσ Ξ 1
MATERIAL QU	JANTITIES		C11	1.215		
Initial volume Loose volume	7,98			factor: 1.215		
	ource of estimated e of estimated swe Material Purch To	ell factor: Cat H	Iandbook)			
HOURLY PRO	<u>DDUCTION</u>					
Truck Capacity:	. 1.0 D					
Truck Payload (we Material v		nil	Pounds/LCY			
Rated P			Pounds			

				707			C	e 2 of 3	
Payload Capacity	7: 54.38		LC	CY					
Truck Bed (volume) Basi	is:								
Struck Volume:		LC	Y						
Heaped Volume:		LC'	Y						
Average Volume:		LC	Y						
Adjusted Volume:	31.40	LC	Y						
F	inal Truck Vo	lume Bas	ed on Numbe	r of Loader Pa	sses:	30.36	LC	Y	
Loading Tool Capacity									
					Buck	et Size Class:	NA		
Rated Capacity	v: 9.20	Λ I	LCY (heape	4)	Duck	et bize class.	11/1		=
Bucket Fill Factor				/dirt mixtures	(100_	120%) 1.100			
Adjusted Capacity	-		LCY	dirt illixtures	(100-	120/0) 1.100			
Job Condition Correction	ons:			Site Altitude	(ft.): <u>9</u>	<u>500</u> feet			
	Truck		Loader	Se	ource				
Altitude Adj:	0.820		0.950		T HB)			
Job Efficiency:	0.830		0.830		T HB				
Net Correction:	0.681		0.789						
_									
Loading Tool Cycle Tir	ne: Nu	mber of	Loading Tool	Passes Requir	ed to F	ill Truck:	3	p	asses
Excavators and Front Sh	ovels:								
	no ve Joh Con	dition De	oting: NA						
Machine Cycle Tin									
Machine Cycle Tin Selected Val	lue within this	Basic Ra	nting: NA						
Machine Cycle Tin Selected Val	lue within this rs – Material I	Basic Ra	nting: NA						
Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (m	lue within this rs – Material I	Basic Ra Description	nting: NA				100		
Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (minus) Load: NA	lue within this rs – Material I in.):	Basic Ra Description Mane	uver: NA			Dump: 0.	100		
Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (m	lue within this rs – Material I in.):	Basic Ra Description Mane	uver: NA			Dump: 0.	100 0.575	 minu	ıtes
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (min Load: NA Wheel and Track Loader Cycle Time Factor	lue within this rs – Material I in.): ers - Unadjuste ors	Basic Ra Description Mane ed Basic	uver: NA Loader Cycle			Dump: 0. naneuver): Factor (min.)	0.575	urce	ites
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mit Load: NA Wheel and Track Loader Cycle Time Factor Materia	lue within this rs – Material I in.): ers - Unadjuste ors al: Mixed n	Mane ed Basic laterial 0	uver: NA Loader Cycle	Time (load, du		Dump: 0. naneuver): Factor (min.) 0.020	0.575 So (Car	urce t HB)	ites
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mit Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil	lue within this rs – Material I in.): ers - Unadjuste ors al: Mixed n le: No adjus	Mane ed Basic l naterial 0 stment - f	uver: NA Loader Cycle actor not appl	Time (load, du	ump, m	Dump: 0. naneuver): Factor (min.) 0.020 0.000	0.575 So (Ca (Ca	urce t HB) t HB)	ites - -
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi	lue within this rs – Material I in.): ers - Unadjuste ors al: Mixed n le: No adjuste p: Common	Mane Material 0 stment - fn owners	uver: NA Loader Cycle O2 Factor not applinip of trucks a	Time (load, du	ump, m	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040	0.575 So (Ca (Ca (Ca	urce t HB) t HB)	ites - - -
Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi	lue within this rs – Material I in.): ers - Unadjuste ors al: Mixed n le: No adjuste p: Common	Mane Mane Material 0 Stment - f n owners t operation	uver: NA Loader Cycle Cactor not applhip of trucks and 1-0.04	Time (load, du	ump, m	Dump:0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040	0.575 So (Ca (Ca (Ca	urce t HB) t HB) t HB) t HB)	ites - - -
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi	lue within this rs – Material I in.): ers - Unadjuste ors al: Mixed n le: No adjuste p: Common	Mane Material 0 stment - fn owners	uver: NA Loader Cycle 202 Cactor not apple hip of trucks a on -0.04 00	Time (load, du licable 0.00 and loaders -0.	04	Dump:0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.575 So (Ca) (Ca) (Ca) (Ca) (Ca) (Ca) (Ca)	urce t HB) t HB) t HB) t HB) t HB)	tes - - - -
Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi	lue within this rs – Material I in.): ers - Unadjuste ors al: Mixed n le: No adjuste p: Common	Mane Mane Material 0 Stment - f n owners t operation	uver: NA Loader Cycle O2 Sactor not applhip of trucks a on -0.04 O0 Net Cycle	Time (load, du licable 0.00 and loaders -0.	ump, m	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.575 So (Ca (Ca (Ca (Ca (Ca	urce t HB) t HB) t HB) t HB) t HB) t HB) nutes	ites - - - -
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi	lue within this rs – Material I in.): ers - Unadjuste ors al: Mixed n le: No adjuste p: Common	Mane Mane Material 0 Stment - f n owners t operation	uver: NA Loader Cycle actor not applhip of trucks applhip of trucks apple on -0.04 OO Net Cycle Adjusted Lo	Time (load, du licable 0.00 and loaders -0.	oump, m	Dump:0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.575 So (Ca (Ca (Ca (Ca min	urce t HB) t HB) t HB) t HB) t HB)	tes - - - -
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi	lue within this rs – Material I in.): ers - Unadjuste ors al: Mixed n le: No adjuste p: Common	Mane Mane Material 0 Stment - f n owners t operation	uver: NA Loader Cycle actor not applhip of trucks applhip of trucks apple on -0.04 OO Net Cycle Adjusted Lo	Time (load, du licable 0.00 and loaders -0. Time Adjustm pader Cycle Ti	oump, m	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.515	0.575 So (Ca (Ca (Ca (Ca min	urce t HB) nutes nutes	ites - - - - -
Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi Operatio Dump Targe	lue within this rs – Material I in.): ers - Unadjuste ors al: Mixed n le: No adjuste p: Common on: Constan et: Nomina	Mane ed Basic laterial 0 stment - fin owners t operation t target 0.	uver: NA Loader Cycle actor not applhip of trucks applhip of trucks apple on -0.04 OO Net Cycle Adjusted Lo	Time (load, du licable 0.00 and loaders -0. Time Adjustm pader Cycle Ti d Time per Tru	od ent: _ me: _ ick: _	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.515	0.575 So (Ca (Ca (Ca (Ca min	urce t HB) t HB) t HB) t HB) t HB) t HB) nutes nutes nutes	ites
Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (min Load: NA Nateria Stockpill Truck Ownershi Operatio Dump Target	lue within this rs – Material I in.): ers - Unadjuste ors al: Mixed n le: No adjuste on: Common on: Constan et: Nomina	Mane ed Basic I naterial 0 stment - f n owners t operation target 0.	uver: NA Loader Cycle actor not apple hip of trucks actor -0.04 00 Net Cycle 'Adjusted Loader Cycle 'Net Cycle 'Net Loader Cycle 'Net Loa	Time (load, du licable 0.00 and loaders -0. Time Adjustm bader Cycle Tid Time per Tru Ad	ent:me:iusted i	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.515 1.130	0.575 So (Ca (Ca (Ca (Ca min	urce t HB) t HB) t HB) t HB) t HB) t HB) nutes nutes nutes	- - - -

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

TT 1	D .
Hanl	Route:
Haui	NOUIC.

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2800.00	0.00	3.00	3.00	3005	1.724

Haul Time: _____ 1.724 ____ minutes

Return Route:

1tetam 1te	rate.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2800.00	0.00	3.00	3.00	3005	1.099

Return Time: 1.099 minutes
Total Truck Cycle Time: 5.964 minutes

Loading Tool unit

Production 948.17 LCY/Hour Adjusted for job efficiency: 786.98 LCY/Hour

Truck Unit Production

305.45 LCY/Hour Adjusted for job efficiency: 253.52 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 760.57 LCY/Hour Adjusted single truck/loader team production: 760.57 LCY/Hour Adjusted multiple truck/loader team production: 760.57 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 10.50 Hours

Unit cost: \$2.079 /LCY Total job cost: **\$16,610**

BULLDOZER RIPPING WORK

	Task description	: <u>TR13</u>		•	Area Expansi	on - Topsoil -	Ripping		
Site:	Cresson Proj	ect		it Action:	2025 Update M1980244		Permit/Job#:	: M19802	244
	PROJECT ID	ENTIFICATIO	<u>ON</u>						
	Task #: A0)708	State:	Colorado		Д	Abbreviation:	None	
		29/2025	County:	Teller			Filename:	A0708	
	User: ER								
	Agency	or organization r	name: DRM	MS					
	HOURLY EQ	UIPMENT CO	ST						
	Basic	Machine: Cat l	D7R DS Serie	es II LGP		Horsepowe	er:	240	
	Ripper At	tachment: 3-Sh	nank Ripper			Shift Basi		er day	
			• •			Data Sourc	e: (CRG)	
	Cost Breakdown	<u>.</u>							
		0 11 0			400.24	Utilization 9	6		
		Ownership Co			\$90.24	NA 100			
	Pinn	Operating Coser Ownership Cos			\$78.95 \$9.25	100 NA			
		per Operating Co			\$5.20	100			
	Tup.	Operator Cos			\$38.59	NA			
		Total Unit Cos			\$222.23				
		Total Float Co.		\$222	2 22				
		Total Fleet Co	SUMOUL.	\$44 .	2.23				
	MATERIAL (Sele	ected estimating	g method: A	Area		
	Alternate Method	ds:							
mic:	NA			Volume:	NA	BCY		NA	
rea:	8.20	acres	Rip D	epth (ft):	2.50	Volume:	33,073		BCY or
		Source of estim	nated quantity	: TR137					
	HOURLY PR	ODUCTION							
	Seismic:								
		S	eismic Veloc	ity:	NA	feet/	second		
	A								
	Area:	Average	Ripping Dep	nth:	2.45	feet/	ีกลรร		
		_	Ripping Wic		6.50		pass		
			Ripping Leng		245.00		pass		
			ge Dozer Spe		88.00		minute		
			Maneuver Tii		0.25		utes/pass		
			on per unit ar	rea:	0.723	acres	s/hour		
	Job Condition Co	orrection Factors							
	Ur	nadjusted Hourly	Unit Producti	on:	0.723	Acre	es/hr		
			Site Altitu		9,500	feet	T. 110:		
			Altitude A		1.00 0.83		T HB)		
			Job Efficien Net Correcti	-	0.83		nift/day) tiplier		
				·			•		
		•	Hourly Unit P		0.60	Acres/hi			
	IOD TO TO	,	Hourly Fleet P	roduction:	0.60	Acres/hi	I		
	JOB TIME AN	ND COST							
	Fleet size:	1	Grader(s)		Total job tim	ne:	13.67	Но	ours
	Unit cost:	\$370.348	Per acre		Total job co	st·	\$3,037		

Task description: TR13'	7 WHEX Clay Borro	w Area Expansion - Top	soil - Dzr Spread	
e: Cresson Project	Permit Action	: 2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENTIFICATIO)N			
Task #: A0709	— State: Colorado	0	Abbreviation:	None
Date: 6/29/2025	County: Teller	<u> </u>	Filename:	A0709
User: ERR	-	_		
Agency or organization n	name: DRMS			
HOURLY EQUIPMENT CO	<u>ST</u>			
Basic Machine: Cat D7R DS	Series II LGP			
Horsepower: 240				
Blade Type: Straight				
Attachment: NA				
Shift Basis: 1 per day				
Data Source: (CRG)				
Cost Breakdown:				
		<u>Utilization %</u>		
Ownership Cost/Hour:	\$90.24			
Operating Cost/Hour:	\$78.95			
Ripper own. Cost/Hour:	\$0.00			
Ripper op. Cost/Hour:	\$0.00			
Operator Cost/Hour:	\$38.59	NA NA		
MATERIAL QUANTITIES Initial Volume: 6,575 Swell factor: 1.215 Lagge volume: 7,080 LGV				
Loose volume: 7,989 LCY				
Source of estimated volume: Source of estimated swell factor:	TR137 Cat Handbook			
HOURLY PRODUCTION				
	200 feet 289.3 LCY/hr			
Materials consistency description:	Loose stockpile 1	.2		
Average push gradient: -30 % Average site altitude: 9,500 f	eet			
Material weight: 1,600 l	bs/LCY		<u> </u>	
Weight description: Top So	il			
Job Condition Correction Factor	a -	Source		
Operator Skill:	0.750	(AVG.)		
Material consistency:	1.200	(CAT HB)		
Dozing method:	1.000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 398.02 LCY/hr
Adjusted fleet production: 398.02 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.522/LCY

Total job time: 20.07 Hours
Total job cost: \$4,170

TRUCK/LOADER TEAM WORK

Task description:	TR142 S	South Cresson B	ackfill - Topsoil -	Transport		
Site: Cresson Project		Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN Task #:		State: Colora	ado	Ab	breviation: No	ne
Date: <u>6/29/2</u> User: ERR	2025	County: Teller			Filename: M2	244-A0710
	organization nar	ne: DRMS				
HOURLY EQUI	PMENT COST				is: 1 per day	
	Гruck Loader Tea		Equipment Descri 740	ption		
		-Loader: CA	T 988H			
Supp	oort Equipment -L		D8T - 8SU			
Road M	ום- laintenance –Mot	ump Area: NA or Grader: CA'	T 16M			
	-Wa	ter Truck: Wa	ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team	Support 1	Equipment	Maintenan	ice Equipment
Cost Breakdown.	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$108.25	\$131.26	\$173.32	NA	\$179.39	\$73.42
Operating cost/hour:	\$79.54	\$100.12	\$109.71	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Ripper op. cost/hour: Operator cost/hour:	NA \$25.24	\$0.00 \$36.85	\$0.00 \$38.59	NA NA	\$0.00 \$27.76	\$0.00 \$21.12
Unit Subtotals:	\$23.24	\$268.23	\$321.62	NA NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$907.32	Support:	\$321.62	Maint:	\$352.41
Total work team co	st/hour: \$1.581.	35				
10441 (10111 004111 00	<u> </u>					
MATERIAL QU	ANTITIES					
Initial volume		CCY		factor: 1.215		
Loose volume	: 10,58	LCY				
	ource of estimated					
Source	of estimated swe Material Purch		Handbook			
		otal Cost: \$0.00				
HOUDI WAR						
HOURLY PRO	<u>DUCTION</u>					
Truck Capacity:	-1.4) D1					
<u>Truck Payload (wei</u> Material v			Pounds/LCY			
Desci	ription: Top So					
Rated Pa	ayload: <u>87,000</u>		Pounds			

					Page 2 01 3	
Payload Capacity:	54.38	LCY				
Truck Bed (volume) Basis:						
Struck Volume:		LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	31.40	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	30.36	LCY	
Loading Tool Capacity			Ruck	tet Size Class:	NΔ	
Rated Capacity:	9.200	LCY (heaped)	Buch	et bize class.	1471	
Bucket Fill Factor:	1.100	Other - rock/dirt	mixtures (100	-120%) 1 100		=
Adjusted Capacity:	10.120	LCY	mixtures (100	12070) 1.100		=
riajustea Capacity.	10.120					
Job Condition Corrections			e Altitude (ft.): 9	9 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	0.820	0.950	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.681	0.789				
	0.001	0.7.05				
Loading Tool Cycle Time:		r of Loading Tool Pas	□ ses Required to l	Fill Truck:	<u> </u>	passes
	Numbe		ses Required to l	Fill Truck:	3 F	oasses
Loading Tool Cycle Time:	Numbe	r of Loading Tool Pas n Rating: NA	ses Required to l	Fill Truck:	<u>3</u> " "	oasses
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v	Numbe <u>els:</u> s. Job Conditio within this Basi	r of Loading Tool Pas n Rating: NA c Rating: NA	ses Required to l	Fill Truck:	3	passes
Excavators and Front Shove Machine Cycle Time v Selected Value	Numbe vs. Job Conditio within this Basi Material Descr	r of Loading Tool Pas n Rating: NA c Rating: NA	ses Required to l	Fill Truck:	3	oasses
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders –	Numbers Substitution Numbers Substitution (Numbers Substitution (N	r of Loading Tool Pas n Rating: NA c Rating: NA	ses Required to l		3 p	oasses
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	Numbersels: Test of Conditions Within this Basins Material Descript Material Material Descript Material Material Descript Material M	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA		Dump: 0.	·	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	Numbersels: Test of Conditions Within this Basins Material Descript Material Material Descript Material Material Descript Material M	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA		Dump: 0.	100 0.575 minu	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Numbersels: Test of Conditions Within this Basins Material Descript Material Material Descript Material Material Descript Material M	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA Ianeuver: NA		Dump: 0.3	100 0.575 minu	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors	Numbers See Number	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicate	ne (load, dump, n	Dump: 0.2 naneuver): Factor (min.) 0.020 0.000	100 0.575 minu Source	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbersels: Test Job Conditions within this Basis Material Describes: Muster Material Describes: Muster Mixed Mixed material No adjustment Common ow	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA faneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicab nership of trucks and b	ne (load, dump, n	Dump: 0.2 naneuver): Factor (min.) 0.020 0.000 -0.040	0.575 minu Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: Se	n Rating: NA c Rating: NA iption: NA asic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and bration -0.04	ne (load, dump, n	Dump: 0.3 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040	0.575 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbersels: Test Job Conditions within this Basis Material Describes: Muster Material Describes: Muster Mixed Mixed material No adjustment Common ow	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and I ration -0.04 et 0.00	ole (load, dump, noble 0.00	Dump:0 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.575 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: Se	n Rating: NA CRATING: NA	ole (load, dump, not ole 0.00 oaders -0.04	Dump:	100 Source (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Sels: Se	n Rating: NA c Rating: NA iption: NA iption: NA isic Loader Cycle Time ial 0.02 nt - factor not application ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	e (load, dump, not le 0.00 oaders -0.04 e Adjustment: r Cycle Time:	Dump: 0.2 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.515	0.575 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Sels: Se	n Rating: NA c Rating: NA iption: NA Maneuver: NA ial 0.02 nt - factor not applicate nership of trucks and leating ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	ole (load, dump, not ole 0.00 oaders -0.04	Dump:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time versus Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number Sels: Test Job Condition within this Basis Material Describing: When Wise Mixed Basis Mixed material No adjustment Common ow Constant open Nominal target.	n Rating: NA c Rating: NA iption: NA Masic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and interesting of trucks and int	e (load, dump, not oble 0.00 oaders -0.04 e Adjustment: r Cycle Time: me per Truck:	Dump: 0.20 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.515 1.130	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time	Number Sels: Se	n Rating: NA c Rating: NA iption: NA Masic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and pration -0.04 et 0.00 Net Cycle Time Adjusted Loade Net Load Time Minutes	e Adjustment: r Cycle Time: me per Truck: Adjusted	Dump:	0.575 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes minutes	utes _ _ _ _ Minute
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time versus Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number Sels: Test Job Condition within this Basis Material Describing: Unadjusted Basis Mixed material No adjustment Common ow Constant open Nominal targetter (1.130)	n Rating: NA c Rating: NA iption: NA Masic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and interesting of trucks and int	e (load, dump, not le 0.00 le 0.00 le 0.04 le Adjustment: r Cycle Time: le per Truck: le Adjusted Adjusted	Dump: 0.20 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.515 1.130	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Haul Route:

Huur Rou	ic.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4900.00	0.00	3.00	3.00	3005	2.423

Task # A0710

Haul Time: 2.423 minutes

Return Route:

ixctuiii ix	Return Route.							
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)		
1	4900.00	0.00	3.00	3.00	3005	1.798		

Return Time: 1.798 minutes
Total Truck Cycle Time: 7.362 minutes

Loading Tool unit

Production 948.17 LCY/Hour Adjusted for job efficiency: 786.98 LCY/Hour Truck Unit Production

_____247.44 LCY/Hour Adjusted for job efficiency: ____205.38 LCY/Hour

Optimal No. of Trucks: _____ 4 ___ Truck(s) Selected Number of Trucks: ____ 3 ___ Truck(s)

Adjusted hourly truck team production:
Adjusted single truck/loader team production:
Adjusted multiple truck/loader team production:

616.13

LCY/Hour

Adjusted multiple truck/loader team production:

616.13

LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____17.18 Hours

Unit cost: \$2.567 /LCY Total job cost: \$27,167

BULLDOZER RIPPING WORK

	Task description:	TR142 South	Cresson Backf	ïll - Topsoil - F	Ripping			
Site	: Cresson Project		Permit Action:	2025 Update M1980244	Pe	ermit/Job#: _	M1980244	
	PROJECT IDENT	<u>IFICATION</u>						
	Task #: A0711 Date: 6/29/202 User: ERR	Stat 25 Count					None M244-A0711	
	Agency or or	rganization name: _	DRMS					
	HOURLY EQUIP	MENT COST						
	Basic Mach	nine: Cat D7R DS	Series II LGP		Horsepower:	24	40	
	Ripper Attachm	nent: 3-Shank Rip	per		Shift Basis:		r day	
					Data Source:	(CF	RG)	
	Cost Breakdown:			ı	TT: 11			
	Ov	wnership Cost/Hour:		\$90.24	Utilization % NA			
		perating Cost/Hour:		\$78.95	100			
	Ripper Ov	wnership Cost/Hour:		\$9.25	NA			
		perating Cost/Hour:			100			
		Operator Cost/Hour: otal Unit Cost/Hour:		\$38.59 \$222.23	NA			
			-	<u> </u>				
	To	otal Fleet Cost/Hour:	\$22	2.23				
	MATERIAL QUA	<u>NTITIES</u>	Sele	ected estimating	g method: Area			
	Alternate Methods:							
ismic:	NA	J	Bank Volume:	NA	BCY	N	ΙA	
Area:	10.80		Rip Depth (ft):	2.50		3,560	BCY	or C
	Sou	urce of estimated qua	nntity: TR142					
	HOURLY PRODU	ICTION						
		<u></u>						
	Seismic:	Seismic V	elocity:	NA	feet/seco	ond		
	A							
	Area:	Average Ripping	Denth:	2.45	feet/pass	3		
		Average Ripping		6.50	feet/pass			
		Average Ripping		245.00	feet/pass			
		Average Doze		88.00	feet/min			
		Average Maneuve Production per u		0.25 0.723	minutes/ acres/ho	•		
	I.I. C. a. I'd a a C. a. a.	-	iiit aica.	0.723	acres/110	uı		
	Job Condition Correct							
	Unadjus	sted Hourly Unit Pro	duction:	0.723	Acres/hi	•		
			Altitude:	9,500	feet			
			ıde Adj:	1.00	(CAT H			
			riciency:	0.83 0.83	(1 shift/o	•		
		Adjusted Hourly U Adjusted Hourly Fl			Acres/hr Acres/hr			
	JOB TIME AND C							
	Fleet size:	1 Grader	(c)	Total job tin	na: 1	8.00	Hours	
	1 100t SIZE	Grader	(5)	10tal Job IIII	ic. <u>1</u>	0.00	110u18	
	Unit cost: \$3	370.348 Per acr	e	Total job co	st: \$4	1,000		

: Cresson Project	I	Permit Action:	2025 Update M1980244	Permit/Job#:	M1980244
Cressum riuject			1,11700477		1111700277
PROJECT IDENT	<u>IFICATION</u>				
Task #: A0712	Stat	e: Colorado		Abbreviation:	None
Date: $\frac{760712}{6/29/202}$				Filename:	A0712
User: ERR	25 Count	y. <u>rener</u>		i nename.	710712
		DDI 10			
Agency or or	ganization name:	DRMS			
HOURLY EQUIPM	MENT COST				
Basic Machine:	Cat D7R DS Series I	I LGP			
Horsepower:	240		<u> </u>		
Blade Type:	Straight		_		
Attachment:	NA				
	l per day				
Data Source:((CRG)		<u> </u>		
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hou	r:	\$90.24	NA		
Operating Cost/Hou		\$78.95	100		
Ripper own. Cost/Hou	r:	\$0.00	NA		
Ripper op. Cost/Hou	r:	\$0.00	25		
Operator Cost/Hou	r:	\$38.59	NA		
m 1 1 G m	Φ207.70				
Total unit Cost/Hour:	\$207.78				
Total Fleet Cost/Hour:	\$207.78				
MATEDIAL OHAN	NTITIEC				
MATERIAL QUAN					
	712				
	215				
Loose volume: 10),585 LCY				
Source of estimated vo	olume: TR142	2			
Source of estimated sy		andbook			
HOURLY PRODU	CTION				
Average push distance		337/1			
Unadjusted hourly pro	duction: 289.3 LC	y/hr			
Materials consistency	description: Loo	se stockpile 1.2			
Average push gradient	: -30 %				
Average push gradient Average site altitude:	9,500 feet				
Average site attitude:	2,500 leet				
Material weight:	1,600 lbs/LCY				
Weight description:	Top Soil				
Job Condition Correct	on Factor		Source		
	or Skill:	0.750	(AVG.)		
Material cons		1.200	(CAT HB)		
Dozing		1.000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 398.02 LCY/hr
Adjusted fleet production: 398.02 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.522/LCY

Total job time: 26.59 Hours
Total job cost: \$5,526

Permit Action: 2025 U M19802		None
Task #: A1000 State: Colorado Date: 6/29/2025 County: Teller User: ERR		
Task #: A1000 State: Colorado Date: 6/29/2025 County: Teller User: ERR		
Date: 6/29/2025 County: Teller User: ERR		
User: ERR		A1000
A ganary on angonization DDMC		
Agency or organization name: <u>DRMS</u>		
HOURLY EQUIPMENT COST		
Basic Machine: Cat D10T - 10SU		
Horsepower: 574		
Blade Type: Semi-Universal		
Attachment: NA		
Shift Basis: 1 per day		
Data Source: (CRG)		
Cost Breakdown:	T. 11.	
	<u>Jtilization %</u>	
Ownership Cost/Hour: \$257.39 Operating Cost/Hour: \$196.93	NA 100	
Ripper own. Cost/Hour: \$190.93	NA	
Ripper op. Cost/Hour: \$0.00	0	
Operator Cost/Hour: \$38.59	NA	
MATERIAL QUANTITIES		
Initial Volume: 31,765		
Swell factor: 1.000 Loose volume: 31,765 LCY		
Source of estimated volume: 2022 CC&V Provided Estimated Source of estimated swell factor: Cat Handbook	<u>e</u>	
HOURLY PRODUCTION		
Average push distance: 50 feet		
Unadjusted hourly production: 2,748.7 LCY/hr		
Materials consistency description: Loose stockpile 1.2		
Average push gradient:10 %		
Average site altitude: 9,500 feet		
Material weight: 2,800 lbs/LCY		
Weight description: Granite - Broken		
Job Condition Correction Factor	Source	
Operator Skill: 0.750	(AVG.)	
Material consistency: 1.200 Dozing method: 1.200	(CAT HB) (S-BY-S)	

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7212

Adjusted unit production: 1,982.36 LCY/hr
Adjusted fleet production: 3964.72 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.249/LCY

Total job time: 8.01 Hours
Total job cost: \$7,898

: <u>C</u>	Cresson P	roject		I	Permit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PR	OIFCT	IDEN	TIFICA	TION				
Ί	Γask #: _	A1001		_ State			Abbreviation:	None
	Date: _	6/29/2	025	_ County	y: <u>Teller</u>		Filename:	A1001
	User: _	ERR		_				
	Age	ency or	organizati	on name:	DRMS			
<u>HO</u>	URLY I	EQUII	PMENT	COST				
В	Basic Mac	hine:	Cat D7F	R DS Series I	I LGP			
	Horsepo	ower:	240					
	Blade 7	Гуре:	Straight					
	Attachr	ment:	NA					
	Shift E	Basis:	1 per da	y				
	Data So	urce:	(CRG)					
Cos	t Breakdo	wn.						
Cos	t Dicardo	<u> </u>				Utilization %		
Ov	wnership (Cost/H	our.		\$90.24	NA		
	perating (\$78.95	100		
	per own.				\$0.00	NA		
	ipper op. (\$0.00	0		
	Operator (\$38.59	NA		
Tota	al Fleet C	ost/Ho	r: \$2 ar: \$2	07.78				
MA	TERIA	L QU ıme: _	ar: \$2 ANTITI 3,529					
MA In	TERIA	L QUA	ır: \$2	<u>ES</u>				
MA In L	ATERIA nitial Volu Swell factors	L QUA	3,529 1.000 3,529 LC	ES Y	 CC&V Provide	d Estimate		
MA In L	ATERIA itial Volu Swell factors oose volu rce of esti	L QUA	3,529 1.000 3,529 LC volume:	Y 2022 (CC&V Provide	d Estimate		
MA In L	ATERIA itial Volu Swell factors oose volu rce of esti	L QUA	3,529 1.000 3,529 LC	Y 2022 (CC&V Provided	d Estimate		
MA In L Sour	ATERIA itital Volu Swell factorize of esti	L QUA	3,529 1.000 3,529 LC volume: swell fact	Y 2022 C Cat Ha		d Estimate		
MA In L Sour	ATERIA itital Volu Swell fac oose volu rce of esti ce of esti	L QUA	3,529 1.000 3,529 LC volume: swell fact	Y or: 2022 C Cat Ha		d Estimate		
MA In L Sour	ATERIA itital Volu Swell factorize of estimate of es	L QUA	3,529 1.000 3,529 LC volume: swell fact UCTION	Y or: 2022 C Cat Ha 50 feet	andbook	d Estimate		
MA In L Sour	ATERIA itital Volu Swell factorize of estimate of es	L QUA	3,529 1.000 3,529 LC volume: swell fact	Y or: 2022 C Cat Ha 50 feet	andbook	d Estimate		
MA In L Sour	itial Volu Swell factoose volu rce of estince of estince of estince of estince of estince purchased here.	L QUA Ime: ime: imated imated PROD n distan ourly p	3,529 1.000 3,529 LC volume: swell fact UCTION	Y 2022 (Cat Ha N 50 feet 800.0 LC	andbook			
MA In L Sour	ATERIA itial Volu Swell factors oose volu ree of estire of estire OURLY I erage push adjusted hereials con	L QUA	3,529 1.000 3,529 LC volume: swell fact UCTION ce: roduction y descript	Y 2022 C or: Cat Ha N 50 feet 800.0 LC ion: Loo	endbook CY/hr			
MA In L Sour	itial Volu Swell factoose volu rce of estince of estince of estince of estince of estince purchased here.	L QUA Ime: ctor: ime: imated imated imated PROD In distant ourly p Insistence In gradie	3,529 1.000 3,529 LC volume: swell fact UCTION ce: roduction y descript ent: -10	Y 2022 (Cat Ha N 50 feet 800.0 LC	endbook CY/hr			
MA In L Sour Sour HO Ave Una Mat Ave	ATERIA ititial Volu Swell factors oose volu rece of estire of estire DURLY I erage push djusted hererials con	L QUA	3,529 1,000 3,529 LC volume: swell fact UCTION ce: roduction y descript ent: -10 9,5	Y or: 2022 C Cat Ha N 50 feet 800.0 LC ion: Loo	endbook CY/hr			
MA In L Sour Sour HO Ave Una Mat Ave Ave	ATERIA ititial Volu Swell factors oose volu ree of estirate of estirate of estirate push djusted hereials con erage push erage site a	L QUA	3,529 1.000 3,529 LC volume: swell fact UCTION ce: roduction y descript ent: -1(-2,8)	Y or: 2022 C Cat Ha Solution: Loo 0 % 500 feet	CY/hr se stockpile 1.2			
MA In L Sour Sour HO Ave Una Mat Ave Ave Wei	ATERIA ititial Volu Swell factors oose volu ree of estire of estire PURLY I erage push djusted herage site a erage site a erage site a erage site a	L QUA	3,529 1.000 3,529 LC volume: swell fact UCTION ce: roduction y descript ent: -1(-2,8)	Y or: 2022 C Cat Ha N 50 feet 800.0 LC ion: Loo 0 % 500 feet 800 lbs/LCY anite - Broke	CY/hr se stockpile 1.2			
MA In L Sour Sour HO Ave Una Mat Ave Ave Wei	ATERIA ititial Volu Swell factors oose volu ree of estire of estire PURLY I erage push djusted herage site a erage site a erage site a erage site a	L QUA Ime: ctor: _ Ime: _ Imated imated PROD distan ourly p asistence altitude ght: iption: n Corre	3,529 1,000 3,529 LC volume: swell fact UCTION ce: roduction y descript ent: -10 5; -2,8 Gr	Y or: 2022 C Cat Ha N 50 feet 800.0 LC ion: Loo 0 % 500 feet 800 lbs/LCY ranite - Broke or	CY/hr se stockpile 1.2	<u> </u>		
MA In L Sour Sour HO Ave Una Mat Ave Ave Wei	ATERIA itital Volu Swell factors oose volu ree of estire of estire DURLY I erage push adjusted herage push erage site in erag	L QUA Ime: ctor: ime: imated imated imated PROD In distant ourly p In distant ourly p	\$2	Y or: 2022 (Cat Ha N 50 feet 800.0 LC ion: Loo 0 % 600 feet 800 lbs/LCY anite - Broke or	CY/hr se stockpile 1.2	Source		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6010

Adjusted unit production: 480.80 LCY/hr
Adjusted fleet production: 480.8 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.432/LCY

Total job time: 7.34 Hours
Total job cost: \$1,525

Task description:	AGVI	LF - 20 - 20	00 ft face - N	Iass Gradin	g		
: Cresson Project		Per	mit Action:	2025 Upda M1980244		Permit/Job#:	M1980244
PROJECT IDEN	<u> FIFICATIO</u>	<u>N</u>					
Task #: A1002 Date: 6/29/20	025	State: County:	Colorado Teller			Abbreviation: _ Filename: _	None A1002
User: ERR							
Agency or o	organization n	ame: <u>DI</u>	RMS				
HOURLY EQUIP	MENT CO	<u>ST</u>					
Basic Machine:	Cat D10T - 1	l0SU					
Horsepower:	574			_			
Blade Type:	Semi-Univer	sal					
Attachment:	NA						
Shift Basis:	1 per day						
Data Source:	(CRG)						
Cost Breakdown:							
				Utili	ization %		
Ownership Cost/Ho	our:		\$257.39		NA		
Operating Cost/Ho	our:		\$196.93		100		
Ripper own. Cost/Ho	our:		\$0.00		NA		
Ripper op. Cost/Ho	our:		\$0.00		0		
Operator Cost/Ho	our:		\$38.59		NA		
Swell factor:	2,395,752 1.000		<u> </u>				
Loose volume:	2,395,752 LC	Y					
Source of estimated source of estimated s		2022 CC Cat Hand	&V Provided	d Estimate			
HOURLY PROD	<u>UCTION</u>						
Average push distance	ee:	165 feet					
Unadjusted hourly pr		1,141.9 LC	Y/hr				
Materials consistency	description:	Consol	idated stock	pile 1.0			
Average push gradie	nt: -30 %						
Average site altitude		eet					
Material weight:	2,800 1	bs/LCY				_	
Weight description:	Granite	e - Broken					
Job Condition Correct		_	750	İ	Source		
	ator Skill:		.750		(AVG.)		
Material con			.000		(CAT HB)		
Dozing	g method:	1	.200		(S-BY-S)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7855

Adjusted unit production: 896.96 LCY/hr
Adjusted fleet production: 1793.92 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.550/LCY

Total job time: 1,335.48 Hours
Total job cost: \$1,316,535

BULLDOZER WORK

Task description:	AGVLF - 20 - 20	0 ft face - F	ine Grading		
: Cresson Project	Peri	nit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENTIFIC	<u>CATION</u>				
Task #: A1003	State:	Colorado		Abbreviation:	None
Date: <u>6/29/2025</u>	County:	Teller		Filename:	A1003
User: ERR					
Agency or organiz	zation name:DR	RMS			
HOURLY EQUIPMEN	TT COST				
	77R DS Series II L	GP			
Horsepower: 240			<u> </u>		
Blade Type: Straig	ght				
Attachment: NA			<u> </u>		
Shift Basis: 1 per			<u> </u>		
Data Source: (CRG	i)		<u> </u>		
Cost Breakdown:					
<u>Coor Brownia wii</u> .			Utilization %		
Ownership Cost/Hour:		\$90.24	NA		
Operating Cost/Hour:		\$78.95	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUANTITY Initial Volume: 266,19					
Swell factor: 1.000	06 LCY				
Source of estimated volume Source of estimated swell fa		&V Provided book	l Estimate		
HOURLY PRODUCTION	<u>ON</u>				
Average push distance: Unadjusted hourly producti	on: 165 feet 343.9 LCY/	hr			
Materials consistency descr	ription: Consol	idated stock	pile 1.0		
Average push gradient:	-30 %				
	9,500 feet	<u> </u>			
Material weight:	2,800 lbs/LCY				
Weight description:	Granite - Broken				
Job Condition Correction F		5 50	Source		
Operator Sk		750	(AVG.)		
Material consisten		000	(CAT HB)		
Dozing methor	od: 1.	000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6546

Adjusted unit production: 225.12 LCY/hr
Adjusted fleet production: 225.12 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.923/LCY

Total job time: 1,182.46 Hours
Total job cost: \$245,687

Task description:	_AGVLF	- Topsoil - T	Tran	sport				-
Site: Cresson Project	<u>t</u>	Permit	Actio	2025 Update M1980244		Permit/Job#: _	M1980244	
PROJECT IDE	NTIFICATION							
Task #: A10	Task #: A1004 State: _0				Ab	breviation:	None	
Date: 6/29	/2025		eller'				A1004	
User: ERR								
Agency of	or organization nar	ne: DRMS	S					
HOURLY EQU	IPMENT COST	<u>r</u>			Shift bas	is: 1 per day		
		T-		Equipment Descri	ption			
	Truck Loader Tea	<u> </u>		777F				
Sun	port Equipment -L	-Loader:		Γ 992K D10T - 10SU				
•	-Dı	ımp Area:	NA	2101 1050				
Road I	Maintenance –Mot	_		Г 16М				
	-Wa	ter Truck:	Wat	er Tanker, 7,000	Gal.			
Cost Breakdown:	Truck/Lo	ader Team		Support I	Equipment	Mainte	nance Equipm	ent
Cost Di tanta wii	Truck	Loader		Load Area	Dump Area	Motor Grade		
% Utilization-machine:	100	1	100	100	NA		25	25
Ownership cost/hour:	\$199.47	\$270		\$257.39	NA	\$179.3		73.42
Operating cost/hour:	\$152.44	\$230		\$196.93	NA	\$29.9		20.80
%Utilization-riper:	NA		0	NA	NA		ſA	NA
Ripper own. cost/hour:	NA	\$0	.00	\$0.00	NA	\$0.0	00 9	\$0.00
Ripper op. cost/hour:	NA	\$0	.00	\$0.00	NA	\$0.0	00	\$0.00
Operator cost/hour:	\$25.24	\$36	.85	\$38.59	NA	\$27.7	76 \$2	21.12
Unit Subtotals:	\$377.15	\$537	.91	\$492.91	NA	\$237.0)6 \$1	15.35
Number of Units:	2		1	1	0		1	1
Group Subtotals:	Work:	\$1,292.21		Support:	\$492.91	Mair	nt: \$352.41	
Total work team c		53						
MATERIAL Q	<u>UANTITIES</u>							
Initial volum			CCY		factor: 1.215			
Loose volum	e: 32,26	7	LCY					
	ource of estimated			CC&V Provided	Estimate			
Sourc	e of estimated swe Material Purch		Cat E \$0.00	Handbook				
			\$0.00 \$0.00					
******		<u> </u>						
HOURLY PRO	<u>ODUCTION</u>							
Truck Capacity:								
Truck Payload (we				Dougla / CV				
Material Desc	weight: 1,600 Top So	oil		Pounds/LCY				
	Payload: 200,00			Pounds				

Truck/Loader Worksheet C						
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume: _	78.80	LCY				
	l Truck Volume	e Based on Number of	of Loader Passes:	70.40	LCY	
<u>Loading Tool Capacity</u>						
		1	Buck	ket Size Class: N	IA .	_
Rated Capacity:	16.000	LCY (heaped)		1200() 1 100		=
Bucket Fill Factor:	1.100		rt mixtures (100-	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY				
Job Condition Correction	<u>:</u>	S	ite Altitude (ft.): 9	0 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB	_		
Job Efficiency:	0.830	0.830	(CAT HB)		
j						
Net Correction:	0.830	0.813				
Net Correction: Loading Tool Cycle Time	. Numbe	0.813	asses Required to I	Fill Truck:	4	passes
Net Correction:	: Numbe	er of Loading Tool Pa	asses Required to I	Fill Truck:	4 I	passes
Net Correction: Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value	Number Nu	or of Loading Tool Pa on Rating: <u>NA</u> ic Rating: <u>NA</u>	asses Required to I	Fill Truck:	4 I	oasses
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders	Number Nu	or of Loading Tool Pa on Rating: <u>NA</u> ic Rating: <u>NA</u>	asses Required to I		4 I	oasses
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.	Number Nu	on Rating: NA ic Rating: NA ription:				passes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders	Number Nu	or of Loading Tool Pa on Rating: <u>NA</u> ic Rating: <u>NA</u>				passes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.	Numberels: vs. Job Condition within this Basic Material Descript:	on Rating: NA ic Rating: NA ription: NA		Dump:0.100		
Net Correction: Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors	Number els: vs. Job Condition within this Basic Material Descript: M - Unadjusted Basic	or of Loading Tool Parting: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Ti		Dump: 0.100 naneuver): 0 Factor (min.)) 0.625 minu Source	
Net Correction: Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material:	Number els: vs. Job Condition within this Basing Material Descript: Unadjusted Basing Mixed mater	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020) 0.625 minu Source (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Number els: vs. Job Condition within this Basing Material Description: - Unadjusted Basing Mixed mater No adjustme	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applica	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000	Source (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applications of trucks and	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Number Number No. Job Condition within this Basis Material Description: - Unadjusted Basis Mixed mater No. adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applications of trucks and cration -0.04	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Nu	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applicate rership of trucks and certation -0.04 get 0.00	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Number Number No. Job Condition within this Basis Material Description: - Unadjusted Basis Mixed mater No. adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00 Net Cycle Tin	me (load, dump, n able 0.00 I loaders -0.04 me Adjustment:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) minutes	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Number Number No. Job Condition within this Basis Material Description: - Unadjusted Basis Mixed mater No. adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Number Number No. Job Condition within this Basis Material Description: - Unadjusted Basis Mixed mater No. adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA ription: NA asic Loader Cycle Ti rial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00 Net Cycle Tin Adjusted Load	me (load, dump, n able 0.00 d loaders -0.04 me Adjustment: ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Net Correction: Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Sels: vs. Job Condition within this Basis Material Descript: Unadjusted Basis Mixed mater No adjustmer Common ow Constant open Nominal targets.	on Rating: NA ic Rating: NA ription: NA ri	me (load, dump, n able 0.00 d loaders -0.04 me Adjustment: ler Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time	Number Sels: vs. Job Condition within this Basis Material Description: Unadjusted Basis Mixed mater No adjustment Common ow Constant open Nominal target: 0.80	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti ial 0.02 nt - factor not applicate and reaction -0.04 get 0.00 Net Cycle Tin Adjusted Load Net Load T	me (load, dump, n able 0.00 I loaders -0.04 me Adjustment: ler Cycle Time: Cime per Truck: Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.800	utes
Net Correction: Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Sels: vs. Job Condition within this Basis Material Descript: Unadjusted Basis Mixed mater No adjustme Common ow Constant open Nominal target: e: 0.80 e: 1.795	on Rating: NA ic Rating: NA ription: NA ri	me (load, dump, n able 0.00 d loaders -0.04 me Adjustment: ler Cycle Time: Time per Truck: Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2000.00	-0.60	3.00	2.40	3328	1.578

Task # A1004

Haul Time: 1.578 minutes

Return Route:

1 CCC COLLIN TO	rate.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2000.00	0.60	3.00	3.60	3411	0.874

Return Time: 0.874 minutes
Total Truck Cycle Time: 6.284 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

_____672.22 LCY/Hour Adjusted for job efficiency: ____557.94 LCY/Hour

Optimal No. of Trucks: _____ 2 Truck(s) Selected Number of Trucks: ____ 2 Truck(s)

Adjusted hourly truck team production: 1,115.89 LCY/Hour Adjusted single truck/loader team production: 1,115.89 LCY/Hour Adjusted multiple truck/loader team production: 1,115.89 LCY/Hour

JOB TIME AND COST

Fleet size: _____ 1 ____ Team(s) Total job time: _____ 28.92 ____ Hours

Unit cost: \$1.916 /LCY Total job cost: **\$61,808**

BULLDOZER RIPPING WORK

	Task description:	AGVL	F - Topsoil - Ripping					
Site	Cresson Proje	ct	Permit Action:	2025 Update M1980244	Per	mit/Job#:	M198024	44
	PROJECT IDE	ENTIFICATIO	<u>N</u>					
	Task #:A10 Date:6/29 User:ER1	9/2025	State: Colorado County: Teller			viation: ename:	None A1006	
	Agency	or organization n	ame: DRMS					
	HOURLY EQU	JIPMENT COS	<u>ST</u>					
	Basic N Ripper Atta		D7R DS Series II LGP ank Ripper		Horsepower: Shift Basis: Data Source:	1 p	240 er day CRG)	<u> </u>
	Cost Breakdown:				_			
		Ownership Cos		\$90.24	Utilization % NA			
	Pinne	Operating Cos or Ownership Cos		\$78.95 \$9.25	100 NA			
		er Operating Cos		\$5.20	100			
	11	Operator Cos		\$38.59	NA			
		Total Unit Cos	t/Hour:	\$222.23				
		Total Fleet Cos	t/Hour: \$22	2.23				
	MATERIAL Q	UANTITIES	Sel	ected estimating	g method: Area			
	Alternate Method			octod ostilitatilis	<u> </u>			
Seismic:	NA	<u> </u>	Bank Volume:	NA	BCY		NA	
Area:	32.93	acres	Rip Depth (ft):	2.50		2,818	INA	BCY or CC
		Source of estima	ated quantity: 2022 C	C&V Provided	 l Estimate			
	HOURLY PRO			200 1 110 1100				
		DUCTION						
	Seismic:	Se	ismic Velocity:	NA	feet/secor	nd		
		50	isine velocity.	IIA	1000 30001	Iu		
	Area:	Average	Ripping Depth:	2.45	feet/pass			
			Ripping Width:	6.50	feet/pass			
			Ripping Length:	350.00	feet/pass			
			e Dozer Speed:	88.00	feet/minu	te		
			Ianeuver Time:	0.25	minutes/p			
		Production	on per unit area:	0.741	acres/hou	r		
	Job Condition Co	rrection Factors						
	Una	adjusted Hourly U	Init Production:	0.741	Acres/hr			
			Site Altitude:	9,500	feet			
			Altitude Adj:	1.00	(CAT HB			
			Job Efficiency:	0.83	(1 shift/da	•		
			Net Correction:	0.83	multiplier	•		
		•	ourly Unit Production: ourly Fleet Production:		Acres/hr Acres/hr			
	JOB TIME AN	D COST						
	Fleet size:		Grader(s)	Total job tim	ne: 53	.52	Но	ırs
	Unit cost:	\$361 194	Per acre	Total job co	st· \$11	894		

Task description:	_AGVLF	F - Topsoil - Lift 1	l - Transport			
Site: Cresson Projec	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE Task #: A100 Date: 6/29 User: ERR	07 /2025	State: Colora County: Teller	ado	Ab	breviation: No. Filename: A10	
Agency o	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	_			is: 1 per day	
	Truck Loader Tea		Equipment Descri 777F	ption		
		-Loader: CA	Г 992К			
Sup	port Equipment -I Di-	Load Area: Cat ump Area: NA	D10T - 10SU			
Road N	Maintenance – Mot	or Grader: CA	Г 16М			
-	-W	nter Truck: Wat	ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team Loader	Support I Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	NA \$0.00
Ripper own. cost/hour: Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team co	<u>JANTITIES</u>					
Initial volume Loose volume		CCY LCY		factor: 1.215		
	ource of estimated e of estimated swo Material Purch To	ell factor: Cat H		Estimate		
HOURLY PRO	<u>ODUCTION</u>					
Truck Capacity: Truck Payload (we Material	weight: 1,600		Pounds/LCY			
Desc Rated P	eription: Top So Payload: 200,00		Pounds			

Payload Capaci							
	ty: 1	25.00	LCY				
Truck Bed (volume) Ba		60.60	LCV				
Struck Volume Heaped Volume	-	78.80	LCY LCY				
Average Volume		69.70	LCY				
Adjusted Volume		78.80	LCY				
J							
Loading Tool Capacity	Final T	ruck Volume	e Based on Number of	f Loader Passes:	70.40	LCY	
Loading 1001 Capacity				Buck	tet Size Class: N	NA	
Rated Capaci	t y :	16.000	LCY (heaped)				
Bucket Fill Factor	or:	1.100		t mixtures (100-	-120%) 1.100		_
Adjusted Capaci	y:	17.600	LCY				
Job Condition Correct	ions:		Si	te Altitude (ft.): 9	<u>1500</u> feet		
		Truck	Loader	Source			
Altitude Adj:		1.000	0.980	(CAT HB)		
Job Efficiency:		0.830	0.830	(CAT HB)		
Net Correction:		0.830	0.813				
Loading Tool Cycle T	ime:	Numbe	er of Loading Tool Pa	sses Required to I	Fill Truck:	4 1	passes
Loading Tool Cycle T Excavators and Front S			er of Loading Tool Pa	sses Required to I	Fill Truck:	4 1	passes
Excavators and Front S Machine Cycle Ti	hovels: me vs.	<u>:</u> Job Conditio	on Rating: <u>NA</u>	sses Required to I	Fill Truck:		passes
Excavators and Front S Machine Cycle Ti Selected V	hovels: me vs. alue wi	Job Conditio thin this Basi	on Rating: NA NA	sses Required to I	Fill Truck:		passes
Excavators and Front S Machine Cycle Ti Selected V Track Load	hovels: me vs. alue wi ers – M	<u>:</u> Job Conditio	on Rating: NA NA	sses Required to I		4	passes
Excavators and Front S Machine Cycle Ti Selected V	hovels: me vs. alue wi ers – M	Job Conditio thin this Basi Iaterial Descr	on Rating: NA ic Rating: NA iription:				passes
Excavators and Front S Machine Cycle Ti Selected V Track Load Cycle Time Elements (r	hovels: me vs. alue wi ers – M	Job Conditio thin this Basi Iaterial Descr	on Rating: NA		Dump: 0.10	00	passes
Excavators and Front S Machine Cycle Ti Selected V Track Load Cycle Time Elements (r	hovels: me vs. alue wi ers – M nin.):	Job Conditio thin this Basi Iaterial Descr	on Rating: NA	·	Dump: 0.10		
Excavators and Front S Machine Cycle Ti Selected V Track Load Cycle Time Elements (r Load: NA	me vs. alue wi ers – M nin.):	Job Conditio thin this Basi Iaterial Descr	on Rating: NA	·	Dump: 0.10	00	
Excavators and Front S Machine Cycle Ti Selected V Track Load Cycle Time Elements (r Load: NA Wheel and Track Load Cycle Time Fact Mater	me vs. alue wi ers – M nin.): ders - U tors	Job Condition thin this Basin Interial Description Municipal Basin Mixed mater	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tir ial 0.02	me (load, dump, n	Dump: 0.10	0.625 min Source (Cat HB)	
Excavators and Front S Machine Cycle Ti Selected V Track Load Cycle Time Elements (r Load: NA Wheel and Track Load Cycle Time Fact Mater Stocks	me vs. alue wi ers – M nin.): ders - U tors ial:	Job Condition thin this Basin Interial Description Mused Mixed mater No adjustments	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tir ial 0.02 nt - factor not applica	ne (load, dump, n	Dump: 0.10 naneuver): (Factor (min.) 0.020 0.000	0.625 min Source (Cat HB) (Cat HB)	
Excavators and Front S Machine Cycle Ti Selected V Track Load Cycle Time Elements (r Load: NA Wheel and Track Load Cycle Time Fact Mater Stockp	me vs. alue wi ers – M nin.): ders - Utors ial: iile: inip: 0	Job Condition thin this Basin Interial Description Manager Basin Mixed mater No adjustment Common ow	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tir ial 0.02 nt - factor not applica nership of trucks and	ne (load, dump, n	Dump: 0.10 naneuver): 0.10 Factor (min.) 0.020 0.000 -0.040	00 0.625 min Source (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front S Machine Cycle Ti Selected V Track Load Cycle Time Elements (r Load: NA Wheel and Track Load Cycle Time Fact Mater Stockp Truck Ownerst Operati	me vs. alue wi ers – M nin.): ders - Utors rial:	Job Condition thin this Basil Interial Description Manager Basil Mixed mater No adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tir ial 0.02 nt - factor not applica nership of trucks and eration -0.04	ne (load, dump, n	Dump: 0.10 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	00	
Excavators and Front S Machine Cycle Ti Selected V Track Load Cycle Time Elements (r Load: NA Wheel and Track Load Cycle Time Fact Mater Stockp	me vs. alue wi ers – M nin.): ders - Utors rial:	Job Condition thin this Basin Interial Description Manager Basin Mixed mater No adjustment Common ow	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tir ial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00	me (load, dump, n	Dump: 0.10 naneuver): 0.00 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	00	
Excavators and Front S Machine Cycle Ti Selected V Track Load Cycle Time Elements (r Load: NA Wheel and Track Load Cycle Time Fact Mater Stockp Truck Ownerst Operati	me vs. alue wi ers – M nin.): ders - Utors rial:	Job Condition thin this Basil Interial Description Manager Basil Mixed mater No adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tir ial 0.02 nt - factor not applicate the restriction of trucks and cration -0.04 get 0.00 Net Cycle Tin	me (load, dump, n ble 0.00 loaders -0.04	Dump: 0.10 naneuver): 0.20 0.000 -0.040 -0.040 0.000 -0.060	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Excavators and Front S Machine Cycle Ti Selected V Track Load Cycle Time Elements (r Load: NA Wheel and Track Load Cycle Time Fact Mater Stockp Truck Ownerst Operati	me vs. alue wi ers – M nin.): ders - Utors rial:	Job Condition thin this Basil Interial Description Manager Basil Mixed mater No adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tir ial 0.02 nt - factor not applica nership of trucks and eration -0.04 get 0.00 Net Cycle Tin Adjusted Loader	me (load, dump, n ble 0.00 loaders -0.04	Dump: 0.10 naneuver): 0.00 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	00	
Excavators and Front S Machine Cycle Ti Selected V Track Load Cycle Time Elements (r Load: NA Wheel and Track Load Cycle Time Fact Mater Stockp Truck Ownerst Operati	me vs. alue wi ers – M nin.): ders - Utors rial:	Job Condition thin this Basil Interial Description Manager Basil Mixed mater No adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tir ial 0.02 nt - factor not applica nership of trucks and eration -0.04 get 0.00 Net Cycle Tin Adjusted Loader	me (load, dump, n ble 0.00 loaders -0.04 me Adjustment: er Cycle Time:	Dump: 0.10 naneuver): 0.20 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front S Machine Cycle Ti Selected V Track Load Cycle Time Elements (r Load: NA Wheel and Track Load Cycle Time Fact Mater Stockp Truck Ownersl Operati Dump Tar	me vs. alue wi ers – M nin.): ders - Utors ial: iile: inip: on: oget:	Job Condition thin this Basil Interial Description Manager Basil Mixed mater No adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tir ial 0.02 nt - factor not applica nership of trucks and eration -0.04 get 0.00 Net Cycle Tin Adjusted Loader	me (load, dump, n ble 0.00 loaders -0.04 me Adjustment: er Cycle Time: ime per Truck:	Dump: 0.10 naneuver): 0.20 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front S Machine Cycle Ti Selected V Track Load Cycle Time Elements (r Load: NA Wheel and Track Load Cycle Time Fact Mater Stockp Truck Owners Operati Dump Tar	me vs. alue wi ers – M nin.): ders - Utors ital: ital	Job Condition thin this Basis Interial Description Interial Description Interial Description Interial Description Interial Description Interial Description Interial	on Rating: NA ic Rating: NA ic Rating: NA ic Rating: NA ic Properties NA in the second	me (load, dump, no loaders -0.04 loaders -0.	Dump: 0.10 naneuver): 0.20 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Excavators and Front S Machine Cycle Ti Selected V Track Load Cycle Time Elements (r Load: NA Wheel and Track Load Cycle Time Fact Mater Stockp Truck Ownerst Operati Dump Tar	me vs. alue wi ers – M nin.): ders - Utors ial: iile: iinp: oon: oget: Time:	Job Condition thin this Basil Interial Description Interial Description Interial Description Interial Description Interial Description Interial Int	on Rating: NA ic Rating: NA ription: NA ription: NA asic Loader Cycle Tir ial 0.02 nt - factor not applicate the reship of trucks and ration -0.04 get 0.00 Net Cycle Tin Adjusted Loade Net Load T Minutes	ble 0.00 loaders -0.04 me Adjustment: er Cycle Time: ime per Truck: Adjusted Adjusted	Dump: 0.10 naneuver): 0.20 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.800	utes

Optimal No. of Trucks: 3 Truck(s)

JOB TIME AND COST

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3087.00	3.90	3.00	6.90	1160	2.789

Haul Time: 2.789 minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min) -0.90 3087.00 -3.90 3.00 3503 0.916

Return Time: 0.916 minutes
Total Truck Cycle Time: 7.537 minutes

Selected Number of Trucks: 3 Truck(s)

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 560.46 LCY/Hour Adjusted for job efficiency: 465.18 LCY/Hour

Adjusted hourly truck team production: 1,395.55 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

Fleet size: 1 Team(s) Total job time: 21.18 Hours

Unit cost: \$1.888 /LCY Total job cost: \$53,260

Site: Cresson Project Permit Action: 2025 Update M1980244 Permit/Job#: M19802	244
PROJECT IDENTIFICATION	
Task #: A1008 State: Colorado Abbreviation: None Date: 6/29/2025 County: Teller Filename: A1008	
Date: 6/29/2025 County: Teller Filename: A1008 User: ERR	
Agency or organization name: DRMS	
HOURLY EQUIPMENT COST Shift basis: 1 per day	
Equipment Description	
Truck Loader Team -Truck: Cat 777F	
-Loader: CAT 992K Support Equipment -Load Area: Cat D10T - 10SU	
-Dump Area: NA	
Road Maintenance – Motor Grader: CAT 16M	
-Water Truck: Water Tanker, 7,000 Gal.	
Cost Breakdown: Truck/Loader Team Support Equipment Maintenance Ed	uipment
	ter Truck
%Utilization-machine: 100 100 100 NA 25	25
Ownership cost/hour: \$199.47 \$270.75 \$257.39 NA \$179.39	\$73.42
Operating cost/hour: \$152.44 \$230.31 \$196.93 NA \$29.91	\$20.80
%Utilization-riper: NA 0 NA NA NA	NA
Ripper own. cost/hour: NA \$0.00 \$0.00 NA \$0.00	\$0.00
Ripper op. cost/hour: NA \$0.00 \$0.00 NA \$0.00	\$0.00
Operator cost/hour: \$25.24 \$36.85 \$38.59 NA \$27.76 Unit Subtotals: \$377.15 \$537.91 \$492.91 NA \$237.06	\$21.12 \$115.35
Unit Subtotals: \$377.15 \$537.91 \$492.91 NA \$237.06 Number of Units: 3 1 1 0 1	1
	52.41
A A A A A A A A A A A A A A A A A A A	2.41
Total work team cost/hour: \$2,514.68	
MATERIAL QUANTITIES	
Initial volume: 30,224 CCY Swell factor: 1.215 LCY	
Source of estimated volume: 2022 CC&V Provided Estimate	
Source of estimated volume. Source of estimated swell factor: Cat Handbook	
Material Purchase Cost: \$0.00	
Total Cost:\$0.00	
HOURLY PRODUCTION	
Truck Capacity:	
Truck Payload (weight) Basis:	
Material weight: 1,600 Pounds/LCY	
Description: Top Soil Rated Payload: 200,000 Pounds	

Loading Tool Cycle Time: Number of Loading Tool Passes Required to Fill Truck: 4 passes	Truck/Loader Worksheet Co.	nt'd	Task # A1008			Page 2 of 3	
Struck Volume	Payload Capacity: _	125.00	LCY				
Struck Volume	Truck Bed (volume) Basis:						
Heaped Volume: 78.80		60.60 I	LCY				
Average Volume: 69.70 Adjusted Volume: 78.80 LCY							
Adjusted Volume: 78.80 LCY							
Rated Capacity: 16.000 LCY (heaped) Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100 Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100 Job Condition Corrections: Site Altitude (ft.): 9500 feet Truck Loader Source		78.80 I	LCY.				
Rated Capacity: 16.000 LCY (heaped) Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100 Adjusted Capacity: 17.600 LCY Indicate	Final	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Rated Capacity: 16.000 LCY (heaped) Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100 Adjusted Capacity: 17.600 LCY Indicate	Loading Tool Canacity			•			
Rated Capacity: 16.000 LCY (heaped) Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100 Adjusted Capacity: 17.600 LCY Job Condition Corrections: Site Altitude (ft.): 9500 feet	Loading 1001 Capacity			D 1	, a: a: a	A.T. A	
Bucket Fill Factor: Adjusted Capacity: 17.600 LCY Site Altitude (ft.): 9500 feet		4 4 9 9 9	1	Buck	et Size Class:	NA	_
Adjusted Capacity: Site Altitude (ft.): 9500 feet				(100	1000() 1 100		-
Site Altitude (ft.): 9500 feet	_			mixtures (100-	120%) 1.100		=-
Truck Loader Source	Adjusted Capacity: _	17.600	LCY				
Altitude Adj: 1.000 0.980 (CAT HB) Job Efficiency: 0.830 0.830 (CAT HB) Net Correction: 0.830 0.813 Loading Tool Cycle Time: Number of Loading Tool Passes Required to Fill Truck: 4 passes Excavators and Front Shove s: NA Selected Value within this Basic Rating: NA NA NA NA NA NA NA NA	Job Condition Corrections:	_	Sit	e Altitude (ft.): 9	500 feet		
Net Correction: 0.830 0.813							
Net Correction: Number of Loading Tool Passes Required to Fill Truck: 4 passes				,			
Number of Loading Tool Passes Required to Fill Truck: 4 passes	Job Efficiency:	0.830	0.830	(CAT HB)		
Excavators and Front Shovels: Machine Cycle Time vs. Job Condition Rating: NA Selected Value within this Basic Rating: NA Track Loaders - Material Description: Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 minutes Cycle Time Factors Factor (min.) Source Material: Mixed material 0.02 0.020 (Cat HB) Stockpile: No adjustment - factor not applicable 0.00 0.000 (Cat HB) Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (Cat HB) Dump Target: Nominal target 0.00 0.000 (Cat HB) Net Cycle Time Adjustment: -0.060 minutes Adjusted Loader Cycle Time: 0.565 minutes Net Load Time per Truck: 1.795 minutes Truck Cycle Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes Adjusted for site altitude: 1.832 Minutes Adjusted for site altit	Net Correction:	0.830	0.813				
Excavators and Front Shovels: Machine Cycle Time vs. Job Condition Rating: NA Selected Value within this Basic Rating: NA Track Loaders - Material Description: Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 minutes Cycle Time Factors Factor (min.) Source Material: Mixed material 0.02 0.020 (Cat HB) Stockpile: No adjustment - factor not applicable 0.00 0.000 (Cat HB) Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (Cat HB) Dump Target: Nominal target 0.00 0.000 (Cat HB) Net Cycle Time Adjustment: -0.060 minutes Adjusted Loader Cycle Time: 0.565 minutes Net Load Time per Truck: 1.795 minutes Truck Cycle Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes Adjusted for site altitude: 1.832 Minutes Adjusted for site altit							
Machine Cycle Time vs. Job Condition Rating: Selected Value within this Basic Rating: Track Loaders – Material Description: Cycle Time Elements (min.): Load: NA	Loading Tool Cycle Time:	Number	of Loading Tool Pas	ses Required to F	Fill Truck:	p	asses
Machine Cycle Time vs. Job Condition Rating: Selected Value within this Basic Rating: Track Loaders – Material Description: Cycle Time Elements (min.): Load: NA	Excavators and Front Shove	ls:					
Selected Value within this Basic Rating: NA Track Loaders – Material Description: Cycle Time Elements (min.): Load: NA		<u></u>	Dating NA				
Track Loaders – Material Description: Cycle Time Elements (min.): Load: NA	•						
Cycle Time Elements (min.): Load: NA							
Load: NA Maneuver: NA Dump: 0.100		•	otion:				
Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): O.625	Cycle Time Elements (min.):						
Cycle Time Factors Factor (min.) Source	Load: NA	Ma	aneuver: NA		Dump: 0.10	00	
Cycle Time Factors Factor (min.) Source	Wheel and Tuest Leadens	—	is I and an Carala Tim	(1		0.625	-4
Material: Mixed material 0.02 0.020 (Cat HB) Stockpile: No adjustment - factor not applicable 0.00 0.000 (Cat HB) Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (Cat HB) Operation: Constant operation -0.04 -0.040 (Cat HB) Dump Target: Nominal target 0.00 0.000 (Cat HB) Net Cycle Time Adjustment: -0.060 minutes Adjusted Loader Cycle Time: 0.565 minutes Net Load Time per Truck: 1.795 minutes Truck Cycle Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes Truck Load Time: 1.795 Minutes Adjusted for site altitude: 1.832 Minutes		 	ic Loader Cycle IIII	ie (10au, dump, 11		1	nes
Stockpile: No adjustment - factor not applicable 0.00 0.000 (Cat HB) Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (Cat HB) Operation: Constant operation -0.04 -0.040 (Cat HB) Dump Target: Nominal target 0.00 0.000 (Cat HB) Net Cycle Time Adjustment: -0.060 minutes Adjusted Loader Cycle Time: 0.565 minutes Net Load Time per Truck: 1.795 minutes Truck Cycle Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes Truck Load Time: 1.795 Minutes Adjusted for site altitude: 1.832 Minutes	•	Miyad mataria	1.0.02				_
Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (Cat HB) Operation: Constant operation -0.04 -0.040 (Cat HB) Dump Target: Nominal target 0.00 0.000 (Cat HB) Net Cycle Time Adjustment: -0.060 minutes Adjusted Loader Cycle Time: 0.565 minutes Net Load Time per Truck: 1.795 minutes Truck Cycle Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes Truck Load Time: 1.795 Minutes Adjusted for site altitude: 1.832 Minutes				ale 0.00			_
Operation: Constant operation -0.04							_
Dump Target: Nominal target 0.00 0.000 (Cat HB) Net Cycle Time Adjustment: -0.060 minutes Adjusted Loader Cycle Time: 0.565 minutes Net Load Time per Truck: 1.795 minutes Truck Cycle Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes Truck Load Time: 1.795 Minutes Adjusted for site altitude: 1.832 Minutes				0.01			_
Net Cycle Time Adjustment: -0.060 minutes Adjusted Loader Cycle Time: 0.565 minutes Net Load Time per Truck: 1.795 minutes Truck Cycle Time: Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes Truck Load Time: 1.795 Minutes Adjusted for site altitude: 1.832 Minutes	•						<u> </u>
Adjusted Loader Cycle Time: Net Load Time per Truck: 1.795 Truck Cycle Time: Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: 0.800 Mirutes Adjusted for site altitude: 1.832 Mirutes	Dump Target.	1 tollilliar targe		e Adiustment:			_
Net Load Time per Truck: 1.795 minutes Truck Cycle Time: Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes Truck Load Time: 1.795 Minutes Adjusted for site altitude: 1.832 Minutes Adjusted for site altitude: 1.83			•	_			
Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes Truck Load Time: 1.795 Minutes Adjusted for site altitude: 1.832 Minutes Adjuste							
Truck Load Time: 1.795 Minutes Adjusted for site altitude: 1.832 Minutes	Truck Cycle Time:						
	Truck Exchange Time	: 0.80	Minutes	Adjusted	for site altitude:	0.800	Min
k Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes	Truck Load Time	: 1.795	Minutes	Adjusted	for site altitude:	1.832	Minu
	-1. Manassan and Dama Time		_		<u>. </u>		

S	eg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1		3196.00	-0.70	3.00	2.30	3328	1.867

Haul Time: 1.867 minutes

Return Route:

Ketuiii Ke	Juic.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3196.00	0.70	3.00	3.70	3411	1.231

Return Time: 1.231 minutes
Total Truck Cycle Time: 6.930 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 609.56 LCY/Hour Adjusted for job efficiency: 505.93 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,517.79 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 27.56
 Hours

 Unit cost:
 \$1.888
 /LCY
 Total job cost:
 \$69,316

Task description:	AGVLF	- Topsoil - Lift 3	3 - Transport			
Site: Cresson Project		Permit Actio	on: 2025 Updat M1980244		Permit/Job#: M	1980244
PROJECT IDEN	TIFICATION					
Task #: A100 Date: 6/29/2 User: ERR		State: Colora County: Teller	do	Ab	breviation: No. All	ne 009
Agency or	organization nan	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>1</u>		Shift bas	is: 1 per day	
	ruck Loader Tea		Equipment Descri	iption		
1	ruck Loader Tea		777F Γ992K			
Supp	ort Equipment -L		D10T - 10SU			
Road M	-Du aintenance –Moto	imp Area: NA	Г 16М			
			er Tanker, 7,000	Gal.		
Coat Decalate	T 1 /I	. 1 T	C	F	Malatanan	
Cost Breakdown:	Truck/Loa Truck	Loader	Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
6Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	NA \$0.00	NA NA	NA \$0.00	NA \$0.00
Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team cos	st/hour: \$2,514.6	58				
MATERIAL QU	<u>ANTITIES</u>					
Initial volume Loose volume		CCY LCY	Swell	factor: 1.215		
	urce of estimated of estimated swe Material Purcha To	ell factor: Cat H		Estimate		
HOURLY PRO	DUCTION					
Truck Capacity: Truck Payload (wei	ght) Basis:					
Material v Descr	veight: 1,600 iption: Top So		Pounds/LCY	,		
Rated Pa	yload: 200,00	0	Pounds			

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Puol	rot Siza Class	NΑ	
Dated Compaitry	16,000	LCV (based)	Биск	tet Size Class:	NA	_
Rated Capacity: _ Bucket Fill Factor:	16.000 1.100	LCY (heaped)	t mixtures (100-	120%) 1 100		_
Adjusted Capacity:	17.600	LCY	i illixtures (100-	-120%) 1.100		_
Aujusteu Capacity.	17.000					
Job Condition Corrections	<u>L</u>	Sit	te Altitude (ft.): 9	2 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
		0.012				
Loading Tool Cycle Time:		r of Loading Tool Pas	sses Required to I	Fill Truck:	4 1	passes
Loading Tool Cycle Time: Excavators and Front Shove	Numbe		sses Required to I	Fill Truck:	4	oasses
	Numbe ls: s. Job Conditio	r of Loading Tool Pasn Rating: NA	sses Required to I	Fill Truck:	4 I	oasses
Excavators and Front Shove Machine Cycle Time v	Numbe ls: s. Job Conditio within this Basi	r of Loading Tool Pas n Rating: NA c Rating: NA	sses Required to I	Fill Truck:	4I	passes
Excavators and Front Shove Machine Cycle Time v Selected Value	Numbers Number	r of Loading Tool Pas n Rating: NA c Rating: NA	sses Required to I	Fill Truck:	4I	oasses
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders –	Numbers S. Job Condition Within this Basin Material Descr	r of Loading Tool Pas n Rating: NA c Rating: NA	sses Required to I		100 I	passes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.)	Numbersels: s. Job Condition within this Basi Material Descr	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA		Dump: 0.2		
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	Numbersels: s. Job Condition within this Basi Material Descr	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA		Dump: 0.2	100 0.625 min	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders –	Numbersels: s. Job Condition within this Basi Material Descr	r of Loading Tool Pas n Rating: NA c Rating: NA iption: Ianeuver: NA asic Loader Cycle Tin		Dump: 0.3	100 0.625 min	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile:	Numbers See Numbers See No Condition within this Basir Material Description Material Description Mixed Mixed material No adjustments	r of Loading Tool Pasen Rating: NA Rating:	ne (load, dump, n	Dump: 0.2 naneuver): Factor (min.) 0.020 0.000	0.625 minus Source (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbers 1s: s. Job Condition within this Basis Material Description Material Description Mixed Basis Mixed material No adjustment Common ow	r of Loading Tool Pasen Rating: NA c Rating: NA iption: Maneuver: NA asic Loader Cycle Tin ial 0.02 at - factor not applical nership of trucks and	ne (load, dump, n	Dump: 0.2 naneuver): Factor (min.) 0.020 0.000 -0.040	0.625 minus Source (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbers ls: s. Job Condition within this Basi Material Descr M Unadjusted Basi Mixed material No adjustment Common ow Constant ope	n Rating: NA c Rating: NA iption: NA asic Loader Cycle Tin ial 0.02 nt - factor not applical nership of trucks and ration -0.04	ne (load, dump, n	Dump: 0.3 naneuver):	0.625 minus Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbers 1s: s. Job Condition within this Basis Material Description Material Description Mixed Basis Mixed material No adjustment Common ow	r of Loading Tool Pasen Rating: NA c Rating: NA iption: Maneuver: NA asic Loader Cycle Tine ial 0.02 at - factor not applicate nership of trucks and ration -0.04 et 0.00	ne (load, dump, n	Dump: 0 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.625 minus Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbers ls: s. Job Condition within this Basi Material Descr M Unadjusted Basi Mixed material No adjustment Common ow Constant ope	n Rating: NA CRATING: NA	ne (load, dump, n ble 0.00 loaders -0.04	Dump: 0.3 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.625 minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbers ls: s. Job Condition within this Basi Material Descr M Unadjusted Basi Mixed material No adjustment Common ow Constant ope	n Rating: NA c Rating: NA iption: NA ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loader	ne (load, dump, n ble 0.00 loaders -0.04	Dump: 0 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.625 minus Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbers ls: s. Job Condition within this Basi Material Descr M Unadjusted Basi Mixed material No adjustment Common ow Constant ope	n Rating: NA c Rating: NA iption: NA ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loader	ne (load, dump, n ble 0.00 loaders -0.04 ne Adjustment:	Dump: 0.2 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Numbers States Numbers States	n Rating: NA c Rating: NA iption: NA ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loader	ne (load, dump, noble 0.00 loaders -0.04 loa	Dump: 0.20 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	O.625 minutes minutes	utes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time: Truck Exchange Time	Numbers ls: s. Job Condition within this Basis Material Description Material Description Mixed material No adjustment Common ow Constant open Nominal targetics: 0.80	n Rating: NA c Rating: NA iption: NA Maneuver: NA asic Loader Cycle Tin ial 0.02 nt - factor not applical nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loade Net Load Ti Minutes	ne (load, dump, noble 0.00 loaders -0.04 loaders -0.04 loaders -Truck:	Dump:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes minutes	utes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number ls: s. Job Condition within this Basi Material Description Material Description Mixed material No adjustment Common own Constant open Nominal targetics: s. 0.80 s. 1.795	n Rating: NA c Rating: NA iption: NA asic Loader Cycle Tin ial 0.02 nt - factor not applicat nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loade Net Load Ti	ne (load, dump, noble 0.00 loaders -0.04 loaders -0.04 loaders -me Adjustment:	Dump: 0.20 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.800 1.832	

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4268.00	-3.30	3.00	-0.30	3503	1.291

Return Route:

Seg # Haul Distance Grade (%) Roll. Res Total Res Velocity Travel

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4268.00	3.30	3.00	6.30	2853	1.818

Return Time: 1.818 minutes
Total Truck Cycle Time: 6.941 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

608.59 LCY/Hour Adjusted for job efficiency: 505.13 LCY/Hour

Optimal No. of Trucks: _____ 3 ____ Truck(s) Selected Number of Trucks: _____ 3 ____ Truck(s)

Adjusted hourly truck team production: 1,515.39 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____36.57 Hours

Unit cost: \$1.888 /LCY Total job cost: \$91,954

Task description:	AGVLE	- Topsoil - Lift 4	- Transport			
Site: Cresson Project	t	Permit Actio	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE	NTIFICATION					
Task #:A10	/2025	State: Colora County: Teller	do	Ab	breviation: No. All	ne 010
Agency o	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	<u> </u>			is: 1 per day	
	Truck Loader Tea	m -Truck: Cat -Loader: CAT Load Area: Cat	Equipment Descri 777F Γ992K D10T - 10SU	ption		
Road N	laintenance –Mot		Γ 16M er Tanker, 7,000	Gal.		
<u>Cost Breakdown:</u>	Truck/Loa Truck	ader Team Loader	Support I Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour: %Utilization-riper:	\$152.44 NA	\$230.31 0	\$196.93 NA	NA NA	\$29.91 NA	\$20.80 NA
Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team co		68				
Initial volume Loose volume		CCY LCY	Swell	factor: 1.215		
	ource of estimated e of estimated swe Material Purch To	ell factor: Cat H		Estimate		
HOURLY PRO						
<u>Truck Payload (we</u> Material Desc		oil	Pounds/LCY			
Rated P			Pounds			

		1 ask # A1010			Page 2 01 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Fina	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			D1	or Classes N	T.A.	
D. (. 1 C	16,000	LCW (bases 1)	Виск	tet Size Class: N	A	_
Rated Capacity: Bucket Fill Factor:	16.000 1.100	LCY (heaped) Other - rock/dirt	mintumas (100	1200/) 1 100		_
Adjusted Capacity:	1.100 17.600	LCY	mixtures (100	-120%) 1.100		_
Aujusteu Capacity.	17.000	LCI				
Job Condition Corrections	<u>:</u>	Site	e Altitude (ft.): 9	<u>9500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Net Correction.	0.030	0.013				
Loading Tool Cycle Time:	Number	r of Loading Tool Pass	ses Required to l	Fill Truck:	4 1	passes
	Number		ses Required to l	Fill Truck:		passes
Loading Tool Cycle Time:	Number	r of Loading Tool Pass n Rating: <u>NA</u>	ses Required to l	Fill Truck:	4	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v	Numberness: Solution of the second of the se	r of Loading Tool Pass n Rating: NA c Rating: NA	ses Required to l	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time v Selected Value	Numberness: S. Job Condition Within this Basi Material Descr	r of Loading Tool Pass n Rating: NA c Rating: NA	ses Required to l	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders –	Numberness. Job Conditions within this Basi Material Descript	r of Loading Tool Pass n Rating: NA c Rating: NA	ses Required to l	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	Number S. Job Condition Within this Basi Material Descript Material Material	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA		Dump: 0.100		
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA	Number S. Job Condition Within this Basi Material Descript Material Material	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA		Dump: 0.100)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Number Is: S. Job Condition Within this Basi Material Descri Unadjusted Ba	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Tim	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Number Is: S. Job Condition Within this Basi Material Descr Muster Material Mixed material No adjustmer	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicab	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000	.625 min Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number les: s. Job Condition within this Basi Material Describes: Unadjusted Basi Mixed materi No adjustmer Common own	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time Ial 0.02 nt - factor not applicable nership of trucks and I	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number lls: s. Job Condition within this Basi Material Describes: Unadjusted Basi Mixed material No adjustmer Common own Constant open	n Rating: NA c Rating: NA iption: NA asic Loader Cycle Time all 0.02 nt - factor not applicable nership of trucks and I ration -0.04	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number les: s. Job Condition within this Basi Material Describes: Unadjusted Basi Mixed materi No adjustmer Common own	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time of the control of the	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number lls: s. Job Condition within this Basi Material Describes: Unadjusted Basi Mixed material No adjustmer Common own Constant open	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicable nership of trucks and I ration -0.04 et 0.00 Net Cycle Time	e (load, dump, no le 0.00 oaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number lls: s. Job Condition within this Basi Material Describes: Unadjusted Basi Mixed material No adjustmer Common own Constant open	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicabe nership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	e (load, dump, no le 0.00 oaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number lls: s. Job Condition within this Basi Material Describes: Unadjusted Basi Mixed material No adjustmer Common own Constant open	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicabe nership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	e (load, dump, noaders -0.04) e Adjustment: r Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number lls: Test Job Condition within this Basi Material Describe. Unadjusted Basi Mixed material No adjustmer Common own Constant oper Nominal targ	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicabe nership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	e (load, dump, noaders -0.04) e Adjustment: r Cycle Time: me per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes — — —
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time via Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number les: S. Job Condition within this Basi Material Describing: Unadjusted Basi Mixed material No adjustmer Common own Constant open Nominal targ	n Rating: NA c Rating: NA iption: NA Ianeuver: NA isial 0.02 nt - factor not applicabenership of trucks and leation -0.04 et 0.00 Net Cycle Time Adjusted Loaden Net Load Time Net Lo	e (load, dump, noaders -0.04 e Adjustment: r Cycle Time: me per Truck: Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time: Truck Exchange Time	Number lls: Test Job Condition within this Basi Material Describe. Unadjusted Basi Mixed material No adjustmer Common own Constant open Nominal targ	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicabenership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loader Net Load Time Minutes	e (load, dump, noaders -0.04 e Adjustment: r Cycle Time: me per Truck: Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	6312.00	-5.50	3.00	-2.50	3450	1.926

Return Route:

Seg # Haul Distance Grade (%) Roll. Res Total Res Velocity Travel Time

(%) (%) (%) (free) Time

 Seg #
 Haul Distance (Ft)
 Grade (%)
 Roll. Res (%)
 Total Res (%)
 Velocity (fpm)
 Travel Time (min)

 1
 6312.00
 5.50
 3.00
 8.50
 2327
 2.985

Return Time: 2.985 minutes
Total Truck Cycle Time: 8.743 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour

Truck Unit Production
483.15 LCY/Hour Adjusted for job efficiency: 401.01 LCY/Hour

Optimal No. of Trucks: _____ 3 ___ Truck(s) Selected Number of Trucks: ____ 3 ___ Truck(s)

Adjusted hourly truck team production: 1,203.04 LCY/Hour Adjusted single truck/loader team production: 1,203.04 LCY/Hour Adjusted multiple truck/loader team production: 1,203.04 LCY/Hour LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____ 60.10 Hours

Unit cost: \$2.090 /LCY Total job cost: \$151,126

Task description:	AGVLF	F - Topsoil - Lift 5	5 - Transport			
Site: Cresson Project	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN Task #: A101 Date: 6/29/ User: ERR	2025	State: Colora County: Teller	ado	Ab	breviation: No. A10	
Agency o	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: <u>1 per day</u>	
	Truck Loader Tea	m -Truck: Cat -Loader: CA	Equipment Descri 777F Γ992K	ption		
	1aintenance –Mot	ump Area: NA or Grader: CA	D10T - 10SU Γ 16M			
Cost Breakdown:		ater Truck: Wat ader Team Loader	Support l Load Area	Gal. Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour: %Utilization-riper:	\$152.44 NA	\$230.31 0	\$196.93 NA	NA NA	\$29.91 NA	\$20.80 NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour: Operator cost/hour:	NA \$25.24	\$0.00 \$36.85	\$0.00 \$38.59	NA NA	\$0.00 \$27.76	\$0.00 \$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA NA	\$27.76	\$115.35
Number of Units:	4	1	1	0	1	1
Group Subtotals:	Work:	\$2,046.51	Support:	\$492.91	Maint:	\$352.41
Total work team co	JANTITIES		0 11	S		
Initial volume Loose volume	73,6 4			factor: 1.215		
	ource of estimated e of estimated swe Material Purch To	ell factor: Cat I		Estimate		
HOURLY PRO	_					
	weight: 1,600 ription: Top So		Pounds/LCY			
Rated P	ayload: 200,00	U	Pounds			

Payload Capacity								
	125.00		LCY					
Truck Bed (volume) Basi Struck Volume:	<u>s:</u> 60.60	LCY						
Heaped Volume:		LCY						
Average Volume:		LCY						
Adjusted Volume:		LCY						
F	inal Truck Vo	olume Based	l on Number of	Loader Passes:	70.40	1	LCY	
Loading Tool Capacity				D	1 . C' . C1	NTA		
Rated Capacity			CY (heaped)			NA		_
Bucket Fill Factor			Other - rock/dir	t mixtures (100)-120%) 1.100			<u> </u>
Adjusted Capacity	: 17.6	00 L	.CY					
Job Condition Correction	ons:		Si	te Altitude (ft.):	9500 feet			
	Truck		Loader	Source				
Altitude Adj:	1.000		0.980	(CAT HI	3)			
Job Efficiency:	0.830		0.830	(CAT HI	3)			
Not Compation	0.830		0.813					
Net Correction:	0.050		0.013					
Loading Tool Cycle Tin	ne: Nı	umber of Lo		sses Required to	Fill Truck:	4		passes
Loading Tool Cycle Tin Excavators and Front Sh	ne: Nu		oading Tool Pas	sses Required to	Fill Truck:	4		passes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val	ne: Nuovels: ne vs. Job Cor ue within this	ndition Ration Basic Ration	ng: NA	sses Required to	Fill Truck:	4		passes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val	ne: Nu ovels: ne vs. Job Cor	ndition Ration Basic Ration	ng: NA	sses Required to	Fill Truck:	4		passes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val	ne: Nuovels: ne vs. Job Cor ue within this rs – Material I	ndition Ration Basic Ration	ng: NA	sses Required to	Fill Truck:	4		passes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val Track Loader	ne: Nuovels: ne vs. Job Cor ue within this rs – Material I	ndition Ration Basic Ration	ng: NA NA	sses Required to		0.100		passes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (m	ne: Noovels: ne vs. Job Corue within this rs — Material I	ndition Ration Basic Ration: Description: Maneuv	ng: NA NA NA Per: NA		Dump: _(passes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (m. Load: NA	ne: Nuovels: ne vs. Job Cor ue within this rs – Material I in.): ers - Unadjust	ndition Ration Basic Ration: Description: Maneuv	ng: NA NA NA Per: NA		Dump: _(0.625		
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Factor Materia	ne: Nuovels: ne vs. Job Cor ue within this rs – Material I in.): ers - Unadjust rs al: Mixed r	ndition Rations Basic Rations Description: Maneuved Basic Lo	oading Tool Paseng: NA NA Per: NA Pader Cycle Tin	ne (load, dump,	Dump: _(maneuver): _ Factor (min 0.020	0.100	mir Source Cat HB)	
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Factor Materia Stockpii	ne: Nuovels: ne vs. Job Cor ue within this rs – Material I in.): ers - Unadjust rs al: Mixed r e: No adju	ndition Ration Basic Ration: Description: Maneuved Basic Location	oading Tool Paseng: NA NA Per: NA Pader Cycle Ting Stor not applica	ne (load, dump, s	Dump:(maneuver): Factor (min 0.020 0.000	0.625	mir Source Cat HB) Cat HB)	
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (m Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpii Truck Ownershi	ne: Nuovels: ne vs. Job Cor ue within this rs – Material I in.): ers - Unadjust rs al: Mixed r e: No adju p: Commo	Maneuved Basic Lo	ng: NA ng: NA rer: NA pader Cycle Tin	ne (load, dump, s	Dump:(maneuver): Factor (min	0.100	mir Source Cat HB) Cat HB) Cat HB)	
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (m Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpii Truck Ownershi Operation	ne: Nuovels: ne vs. Job Cor ue within this rs – Material I in.): ers - Unadjust rs al: Mixed r e: No adju p: Commo n: Constan	Maneuv ed Basic Lo material 0.02 stment - facon ownership	ng: NA ng: NA ng: NA pader Cycle Tin 2 etor not applica p of trucks and -0.04	ne (load, dump, s	Dump:(maneuver): Factor (min	0.625	mir Source Cat HB) Cat HB) Cat HB) Cat HB)	
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (m Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpii Truck Ownershi	ne: Nuovels: ne vs. Job Cor ue within this rs – Material I in.): ers - Unadjust rs al: Mixed r e: No adju p: Commo n: Constan	Maneuved Basic Lo	ng: NA ng: NA rer: NA pader Cycle Tin 2 ctor not applica p of trucks and -0.04	ne (load, dump, solution) ble 0.00 loaders -0.04	Dump:(maneuver): Factor (min	0.625	mir Source Cat HB) Cat HB) Cat HB) Cat HB)	
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (m Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpii Truck Ownershi Operation	ne: Nuovels: ne vs. Job Cor ue within this rs – Material I in.): ers - Unadjust rs al: Mixed r e: No adju p: Commo n: Constan	Maneuv ed Basic Lo material 0.02 stment - fac on ownership t operation l target 0.00	ng: NA ng: NA ver: NA vader Cycle Tim 2 ctor not applicate of trucks and -0.04) Net Cycle Tim	ne (load, dump, solution) ble 0.00 loaders -0.04 ne Adjustment:	Dump:(maneuver): Factor (min	0.625	mir Source Cat HB) Cat HB) Cat HB) Cat HB) minutes	
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (m Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpii Truck Ownershi Operation	ne: Nuovels: ne vs. Job Cor ue within this rs – Material I in.): ers - Unadjust rs al: Mixed r e: No adju p: Commo n: Constan	Maneuv ed Basic Lo material 0.02 stment - fac on ownership t operation l target 0.00	ng: NA ng: NA rer: NA ver: NA	ble 0.00 loaders -0.04 me Adjustment: er Cycle Time:	Dump:(maneuver): Factor (min	0.625	mir Source Cat HB) Cat HB) Cat HB) Cat HB)	
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (m Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpii Truck Ownershi Operation	ne: Nuovels: ne vs. Job Cor ue within this rs – Material I in.): ers - Unadjust rs al: Mixed r e: No adju p: Commo n: Constan	Maneuv ed Basic Lo material 0.02 stment - fac on ownership t operation l target 0.00	ng: NA ng: NA rer: NA ver: NA	ne (load, dump, solution) ble 0.00 loaders -0.04 ne Adjustment:	Dump: (maneuver):	0.625	mir Source Cat HB) Cat HB) Cat HB) Cat HB) minutes minutes	
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (m Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpii Truck Ownershi Operatio Dump Targe	ne: Nuovels: ne vs. Job Cor ue within this rs – Material I in.): ers - Unadjust ers Mixed r e: No adju p: Commo n: Constan et: Nomina	Maneuved Basic Lo	ng: NA ng: NA rer: NA ver: NA	ble 0.00 loaders -0.04 me Adjustment: er Cycle Time: ime per Truck:	Dump: (maneuver):	0.625	mir Source Cat HB) Cat HB) Cat HB) Cat HB) minutes minutes	nutes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Val Track Loader Cycle Time Elements (m Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpii Truck Ownershi Operation Dump Targer	ne: Nuovels: ne vs. Job Cor ue within this rs – Material I in.): ers - Unadjust rs al: Mixed r e: No adju p: Commo n: Constan et: Nomina	Maneuv ed Basic Lo material 0.02 stment - factor ownership toperation ll target 0.00	ng: NA ng: NA rer: NA reader Cycle Time 2 ctor not applicate p of trucks and -0.04) Net Cycle Time Adjusted Loade Net Load Time	ble 0.00 loaders -0.04 ne Adjustment: er Cycle Time: ime per Truck:	Dump:(0.625 .) (((((((((((((((((((((((((((((((((((mir Source Cat HB) Cat HB) Cat HB) Cat HB) minutes minutes minutes	

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	7462.00	-6.20	3.00	-3.20	3450	2.277

Haul Time: 2.277 minutes

Return Route:

1 CCC COLLIN TO	rate.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	7462.00	6.20	3.00	9.20	2134	3.723

Return Time: 3.723 minutes
Total Truck Cycle Time: 9.832 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 429.63 LCY/Hour Adjusted for job efficiency: 356.60 LCY/Hour

Optimal No. of Trucks: _____ 4 ____ Truck(s) Selected Number of Trucks: _____ 4 ____ Truck(s)

Adjusted hourly truck team production: 1,426.38 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____ 55.28 Hours

Unit cost: \$2.171 /LCY Total job cost: **\$159,867**

Task description:	AGVLE	- Topsoil - Lift (6 - Transport			
Site: Cresson Project	<u>.</u>	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	NTIFICATION	<u>I</u>				
Task #: <u>A101</u>				Ab		
	2025	County: Teller			Filename: A1	012
		DD146				
Agency of	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: <u>1 per day</u>	
]	Equipment Descri	ption		
,	Truck Loader Tea			-		
Supr	oort Fauinment -I					
		ump Area: NA				
Road M				G 1		
	-W2	iter Truck: Wat	ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Loa	ader Team	Support 1	Equipment	Maintenan	
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
•						
		· ·				
		· ·	· ·		·	
•		· ·				
	<u> </u>	1	1		1	
	Work:	\$2,423.66	Support:	\$492.91	Maint:	\$352.41
Total work team co	oct/hour: \$3.268	98			I	
Total work team co	φ 3,200.	70				
MATERIAL QU	JANTITIES					
Initial volume	e: 77,411	CCY	Swell	factor: 1.215		
Loose volume	94,05	LCY				
Sc	ource of estimated	l volume: 2022	CC&V Provided	Estimate		
Source						
	Equipment Description					
	State Colorado Abbreviation: Mone Mone					
HOURLY PRO	DUCTION					
Truck Capacity:	Equipment Description					
Truck Payload (we						
	User: ERR					
	· — ·		Pounds			

Truck/Loader Worksheet Co	nt'd	Task # A1012			Page 2 of 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number of Loa	ader Passes:	70.40	LCY	
Loading Tool Capacity						
Educing Tool Capacity			Dual	tet Size Class:	NA	
Detail Consult	16,000	I CW (barred)	Duck	let Size Class1	NA	=
Rated Capacity:	16.000	LCY (heaped)	(100	1200/ \ 1 100		=
Bucket Fill Factor: _Adjusted Capacity: _	1.100 17.600	Other - rock/dirt mix LCY	xtures (100-	-120%) 1.100		-
Job Condition Corrections		Site A	ltitude (ft.): <u>9</u>	500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB			
Job Efficiency.	0.030	0.030	(CITI III)	<i>)</i>		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	of Loading Tool Passes	Required to F	Fill Truck:	p	asses
Excavators and Front Shove	ls:					
Machine Cycle Time v		n Rating: NA				
Selected Value						
Track Loaders –						
Cycle Time Elements (min.)						
•						
Load: NA	M	Ianeuver: NA	<u></u>	Dump: 0.10	00	
Wheel and Track Loaders	Unadjusted Ba	sic Loader Cycle Time (l	oad, dump, m	naneuver):	0.625 minu	ites
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materi	al 0.02		0.020	(Cat HB)	_
Stockpile:	No adjustmen	nt - factor not applicable (0.00	0.000	(Cat HB)	
Truck Ownership:	Common own	nership of trucks and load	lers -0.04	-0.040	(Cat HB)	_
Operation:	Constant oper			-0.040	(Cat HB)	_
Dump Target:	Nominal targe			0.000	(Cat HB)	_
		Net Cycle Time A	_	-0.060	minutes	
		Adjusted Loader C		0.565	minutes	
		Net Load Time	per Truck: _	1.795	minutes	
Truck Cycle Time:						
Truck Exchange Time	: 0.80	Minutes	Adjusted	for site altitude:	0.800	Minu
Truck Load Time	: 1.795	Minutes	Adjusted	for site altitude:	1.832	Minu
ck Maneuver and Dump Time	: 1.20	Minutes	Adjusted	for site altitude:	1.200	Minu

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	8747.00	-6.80	3.00	-3.80	2545	3.618

Haul Time: **3.618** minutes

Return Route:

IXCUITI IXC	Juic.						Return Route.							
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)								
1	8747.00	6.80	3.00	9.80	1789	5.013	ĺ							

5.013 minutes Return Time: Total Truck Cycle Time: 12.463 minutes

Selected Number of Trucks: 5 Truck(s)

Loading Tool unit

Production ___ 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 338.93 LCY/Hour Adjusted for job efficiency: 281.31 LCY/Hour

> Adjusted hourly truck team production: 1,406.57 LCY/Hour Adjusted single truck/loader team production: _____1,332.22 LCY/Hour LCY/Hour 1,332.22

Adjusted multiple truck/loader team production:

JOB TIME AND COST

Optimal No. of Trucks: 5 Truck(s)

Fleet size: 1 Team(s) Total job time: **70.60** Hours

Unit cost: \$2.454 /LCY Total job cost: **\$230,789**

Task description:	AGVLF	' - Topsoil - Lift 7	7 - Transport			
Site: Cresson Project		Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
		•		A.1.	1 · · · · N	
			ado	Ab		
User: ERR	2023	county. <u>Tener</u>			7 Hendine	013
Agency or	organization nar	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>r</u>		Shift bas	is: <u>1 per day</u>	
				ption		
	Truck Loader Tea					
Supp	ort Equipment -L					
	-Dı	ımp Area: NA				
Road M				Cal		
	- vv a	ner fruck: wai	ter Tanker, 7,000	Gai.		
Cost Breakdown:	Truck/Loa	ader Team Loader	Support Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
% Utilization-machine:	100	100	100	NΔ	25	25
-		· · · · · · · · · · · · · · · · · · ·			· ·	·
	NA	0	NA		NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	5	1	1	0	1	1
Group Subtotals:	Work:	\$2,423.66	Support:	\$492.91	Maint:	\$352.41
		98				
Initial volume	: 104,752			factor: 1.215		
	of estimated swe Material Purch	ell factor: Cat Hase Cost: \$0.00	Handbook)	Estimate		
Agency or organization name: DRMS						
	ght) Basis:					
Material v	weight: 1,600	oil	Pounds/LCY	·		
Rated Pa			Pounds			

Truck/Loader Worksheet Co	ont'd	Task # A101;	3		Page 2 of 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume: _	78.80	LCY				
	l Truck Volume	Based on Number of	f Loader Passes:	70.40	LCY	
Loading Tool Capacity						
			Buck	ket Size Class: N	A	
Rated Capacity:	16.000	LCY (heaped)				_
Bucket Fill Factor:	1.100		t mixtures (100	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY				
Job Condition Corrections	<u>s:</u>	Si	te Altitude (ft.): 9	9 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB			
Net Correction:	0.830	0.813				
Loading Tool Cycle Time Excavators and Front Shov	_	r of Loading Tool Pa	sses Required to l	Fill Truck:	4	passes
Machine Cycle Time		on Rating: NA				
	within this Basi					
Track Loaders - Cycle Time Elements (min.)		ription:				
Load: NA		Maneuver: NA		Dump: 0.100)	
Wheel and Track Loaders	— Unadjusted Re	osia Londor Cycla Tir	ma (lood dump n	·		utes
	- Onadjusted Da	asic Loader Cycle III	ine (load, dump, n		1	lutes
Cycle Time Factors	Minadonatan	:-1.0.02		Factor (min.)	Source	<u>—</u>
Material: Stockpile:	Mixed mater	nt - factor not applica	blo 0 00	0.020	(Cat HB) (Cat HB)	_
Truck Ownership:	•	nership of trucks and		-0.040	(Cat HB)	
Operation:	Constant ope		1044613 0.04	-0.040	(Cat HB)	
Dump Target:	Nominal targ			0.000	(Cat HB)	_
			ne Adjustment:	-0.060	minutes	
		Adjusted Load	er Cycle Time:	0.565	minutes	
		Net Load T	ime per Truck:	1.795	minutes	
Truck Cycle Time:						
Truck Exchange Tim	e: 0.80	Minutes	Adjusted	for site altitude:	0.800	Minute
Truck Load Tim	-	Minutes		for site altitude:	1.832	_ Minutes
					· -	
ck Manellver and Fillimn Fim	e· 1 20	Minutes	Adjusted	for site altitude	1 200	_ Minutes
ck Maneuver and Dump Tim	e: 1.20	Minutes	Adjusted	for site altitude:	1.200	

	Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
Ī	1	10490.00	-6.80	3.00	-3.80	2545	4.339

Haul Time: 4.339 minutes

Return Route:

1tetam 1te	rate.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	10490.00	6.80	3.00	9.80	1789	5.987

Return Time: 5.987 minutes
Total Truck Cycle Time: 14.158 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 298.35 LCY/Hour Adjusted for job efficiency: 247.63 LCY/Hour

Optimal No. of Trucks: 5 Truck(s) Selected Number of Trucks: 5 Truck(s)

Adjusted hourly truck team production: 1,238.17 LCY/Hour Adjusted single truck/loader team production: 1,238.17 LCY/Hour Adjusted multiple truck/loader team production: 1,238.17 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 102.79
 Hours

 Unit cost:
 \$2.640
 /LCY
 Total job cost:
 \$336,023

Task description:	AGVLF	- Topsoil - Lift 8	- Transport			
Site: Cresson Project		Permit Actio	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	TIFICATION					
Task #: A1014 Date: 6/29/2 User: ERR		State: Colora County: Teller	do	Ab	breviation: No. All	ne 014
Agency or	organization nan	ne: DRMS				
HOURLY EQUI	PMENT COST	<u> </u>		Shift bas	is: <u>1 per day</u>	
			Equipment Descri	ption		
Т	ruck Loader Tea		777F Г 992 K			
Supp	ort Equipment -L		D10T - 10SU			
DoodM	-Du aintenance –Moto	imp Area: NA	Γ 16M			
Road M			er Tanker, 7,000	Gal.		
G (P 11	T 1.7		g		3.6.1	.
Cost Breakdown:	Truck/Loa Truck	Loader Loader	Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
6Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
% Utilization-riper:	NA NA	\$0.00	NA \$0.00	NA NA	NA \$0.00	NA \$0.00
Ripper own. cost/hour: Ripper op. cost/hour:	NA NA	\$0.00	\$0.00 \$0.00	NA NA	\$0.00	\$0.00 \$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team cos	st/hour: \$2,514. 0	<u> </u>				
MATERIAL QU	ANTITIES					
Initial volume: Loose volume:		CCY LCY	Swell	factor: 1.215		
	urce of estimated of estimated swe Material Purcha	ll factor: Cat H		Estimate		
HOURLY PRO	DUCTION					
Truck Capacity: Truck Payload (weight)	oht) Basis					
Material w Descri	veight: 1,600	il	Pounds/LCY			
Rated Pa			Pounds			

Truck/Loader Worksheet Con	t´d	Task # A1014			Page 2 of 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:		LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80 I	LCY				
	Γruck Volume	Based on Number of Lo	oader Passes:	70.40	LCY	
<u>Loading Tool Capacity</u>			Ruck	tet Size Class: N	[A	
Rated Capacity:	16.000	LCY (heaped)	Buck	et bize class.	11	<u> </u>
Bucket Fill Factor:	1.100	Other - rock/dirt m	ixtures (100-	-120%) 1 100		_
Adjusted Capacity:	17.600	LCY	mares (100	12070) 1.100		_
Job Condition Corrections:		Site A	Altitude (ft.): 9	2 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB	<i>'</i>		
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	of Loading Tool Passes	Required to I	Fill Truck:	4	passes
Excavators and Front Shovels	<u>s:</u>					
Machine Cycle Time vs Selected Value w						
Track Loaders – N						
Cycle Time Elements (min.):	viatoriai Bescri					
Load: NA	Ma	aneuver: NA		Dump: 0.100)	
Wheel and Track Loaders -	Unadjusted Bas	sic Loader Cycle Time	(load, dump, n	naneuver): 0	.625 min	utes
Cycle Time Factors			1	Factor (min.)	Source	
Material:	Mixed materia	al 0.02		0.020	(Cat HB)	_
Stockpile:		t - factor not applicable	0.00	0.000	(Cat HB)	
Truck Ownership:	Common own	ership of trucks and loa	ders -0.04	-0.040	(Cat HB)	_
Operation:	Constant oper	ation -0.04		-0.040	(Cat HB)	
Dump Target:	Nominal targe			0.000	(Cat HB)	
		Net Cycle Time A	_	-0.060	minutes	
		Adjusted Loader (Net Load Time		0.565 1.795	_ minutes minutes	
Truck Cycle Time:			_		_	
Truck Exchange Time:	0.80	Minutes	Adjusted	for site altitude:	0.800	Minut
Truck Load Time:	1.795	Minutes	·	for site altitude:	1.832	_ Minut
ck Maneuver and Dump Time:		Minutes	·	for site altitude:	1.200	Minute
•		_	·	_		_

Page 3 of 3

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2805.00	-9.10	3.00	-6.10	1870	1.656

Haul Time: 1.656 minutes Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2805.00	9.10	3.00	12.10	1628	1.862

Return Time: 1.862 minutes Total Truck Cycle Time: 7.350 minutes

Loading Tool unit

Production ___ 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

574.72 LCY/Hour Adjusted for job efficiency: 477.02 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

> Adjusted hourly truck team production: 1,431.06 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: LCY/Hour 1,332.22

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **54.61** Hours

Unit cost: \$1.888 /LCY Total job cost: \$137,327

Task description:	AGVLF	' - Topsoil - Lift 9) - Transport			
Site: Cresson Project	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE	NTIFICATION	[
Task #: A101	15	State: Colora	ado	Ab	breviation: No	ne
Date: 6/29/		County: Teller				015
User: ERR						
Agency o	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day	
			Equipment Descri	ption		
	Truck Loader Tea		777F			
Supi	-Loader: CAT 992K Support Equipment -Load Area: Cat D10T - 10SU					
•	-Di	ump Area: NA				
Road M	Iaintenance –Mot		Γ 16M ter Tanker, 7,000	Gal		
	- ** 2	uci iiuck. wat	ter Taliker, 7,000	Gai.		
Cost Breakdown:		ader Team		Equipment		ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA to oo	NA	NA ©0.00	NA to oo
Ripper own. cost/hour: Ripper op. cost/hour:	NA NA	\$0.00 \$0.00	\$0.00 \$0.00	NA NA	\$0.00 \$0.00	\$0.00 \$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA NA	\$237.06	\$115.35
Number of Units:	2	1	1	0	1	1
Group Subtotals:	Work:	\$1,292.21		\$492.91	Maint:	\$352.41
Total work team co	ost/hour: \$2 137	•	11			·
Total work team ee	92,137.	<u> </u>				
MATERIAL QU	JANTITIES					
Initial volume	e: 41,737	CCY	CY Swell factor: 1.215			
Loose volume						
So	ource of estimated	l volume: 2022	CC&V Provided	Estimate		
Source	e of estimated swe		Handbook			
	Material Purch	ase Cost: \$0.00 otal Cost: \$0.00				
	10	лаг Соят. <u> фо.ос</u>	,			
HOURLY PRO	<u>DDUCTION</u>					
Truck Capacity:						
Truck Payload (we						
Material		<u>.:1</u>	Pounds/LCY			
Rated P	ription: $\frac{\text{Top So}}{200,00}$		Pounds			

Truck/Louder Worksheet Col	it d	1 ask # 711015			1 age 2 of 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity				a. a.		
Rated Capacity:	16.000	LCY (heaped)	Buck	ket Size Class: _	NA	_
Bucket Fill Factor:	1.100	Other - rock/dirt	mixtures (100	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY				=
Job Condition Corrections:		Site	Altitude (ft.): 9	9500 feet		
		Loader	· ·			
Altitude Adj:	Truck 1.000	0.980	Source (CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB			
-			(0.11.112	<i>,</i>		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	of Loading Tool Pass	es Required to l	Fill Truck:	1	passes
Excavators and Front Shove	<u>ls:</u>					
Machine Cycle Time von Selected Value von Selected						
Track Loaders –						
Cycle Time Elements (min.):						
Load: NA	M	aneuver: NA		Dump: 0.1	00	
Wheel and Track Loaders -	Unadjusted Ba	sic Loader Cycle Time	e (load, dump, n	naneuver):	0.625 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materi	al 0.02		0.020	(Cat HB)	_
Stockpile:	No adjustmen	t - factor not applicab	e 0.00	0.000	(Cat HB)	<u> </u>
Truck Ownership:	Common owr	nership of trucks and le	oaders -0.04	-0.040	(Cat HB)	_
Operation:	Constant open			-0.040	(Cat HB)	_
Dump Target:	Nominal targe			0.000	(Cat HB)	_
		Net Cycle Time	-	-0.060	minutes	
		Adjusted Loader Net Load Tir		0.565 1.795	minutes	
		net Load III	ic per fruck.	1./95	minutes	
Truck Cycle Time:						
Truck Exchange Time	: 0.80	Minutes	Adjusted	for site altitude:	0.800	Minute
Truck Load Time	: 1.795	Minutes	Adjusted	for site altitude:	1.832	Minutes
ck Maneuver and Dump Time	: 1.20	Minutes	Adjusted	for site altitude:	1.200	Minute
		_	ŭ			_

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1859.00	-8.00	3.00	-5.00	1870	1.140

Haul Time: 1.140 minutes

Return Route:

Return Route.						
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1859.00	8.00	3.00	11.00	1734	1.214

Return Time: 1.214 minutes
Total Truck Cycle Time: 6.186 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

_____682.87 LCY/Hour Adjusted for job efficiency: ____566.78 LCY/Hour

Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 1,133.57 LCY/Hour Adjusted single truck/loader team production: 1,133.57 LCY/Hour Adjusted multiple truck/loader team production: 1,133.57 LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____44.74 Hours

Unit cost: \$1.886 /LCY Total job cost: **\$95,623**

BULLDOZER WORK

Task #: A1016	Task description: AG	<u>'LF -Topsoi</u>	l - Lift 1 - 9	- Dozer Spreading		
Task #: A1016	: Cresson Project	Per	mit Action:		Permit/Job#:	M1980244
Task #: A1016	DDOIECT IDENTIFICATI	ON				
Agency or organization name: _DRMS HOURLY EQUIPMENT COST Basic Machine: _Cat D7R DS Series II LGP	Task #: A1016 Date: 6/29/2025	State:			-	
Basic Machine:		D.				
Basic Machine:	Agency or organization	name: DF	RMS			
Horsepower: 240	HOURLY EQUIPMENT CO	<u>OST</u>				
Horsepower: 240	Basic Machine: Cat D7R D	S Series II L	GP			
Blade Type: NA NA Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Sy0.24 NA NA NA NA NA NA NA N		5 541145 11 2	<u> </u>	<u>—</u>		
Attachment:				<u>—</u>		
Shift Basis: 1 per day (CRG)						
Data Source: CRG Cost Breakdown: Ownership Cost/Hour: \$90.24 NA Operating Cost/Hour: \$78.95 100 Ripper own. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$0.00 25 Operator Cost/Hour: \$38.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: \$497,443 Swell factor: 1.215 Loose volume: \$604,393 LCY Source of estimated volume: Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: Unadjusted hourly production: 210 feet 277.8 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY Weight description: Top Soil Job Condition Correction Factor Operator Skill: 0.750 Source (AVG.)				<u> </u>		
Cost Breakdown:						
Ownership Cost/Hour: \$90.24 NA Operating Cost/Hour: \$78.95 100 Ripper own. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$0.00 25 Operator Cost/Hour: \$38.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: 497,443 Swell factor: 1.215 Loose volume: 604,393 LCY Source of estimated volume: Cat Handbook HOURLY PRODUCTION Average push distance: 210 feet Unadjusted hourly production: 277.8 LCY/hr Materials consistency description: Loose stockpile 1.2 Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY Weight description: Top Soil Job Condition Correction Factor Operator Skill: 0.750 Source (AVG.)	Data Source. (CRG)					
Ownership Cost/Hour: \$90.24 NA Operating Cost/Hour: \$78.95 100 Ripper own. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$0.00 25 Operator Cost/Hour: \$38.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: \$497,443 Swell factor: \$604,393 LCY Source of estimated volume: \$2022 CC&V Provided Estimate Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: \$210 feet	<u>Cost Breakdown</u> :			Í		
Operating Cost/Hour: \$78.95 100 Ripper own. Cost/Hour: \$0.00 NA Ripper op. Cost/Hour: \$0.00 25 Operator Cost/Hour: \$38.59 NA Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: \$497,443 1.215 604,393 LCY Source of estimated volume: \$202 CC&V Provided Estimate Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 210 feet 277.8 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY Weight description: Top Soil Job Condition Correction Factor Operator Skill: 0.750 Source (AVG.)						
Ripper own. Cost/Hour: Ripper op. Cost/Hour: S0.00 S0.00 S25 Operator Cost/Hour: S207.78 Total unit Cost/Hour: S207.78 Total Fleet Cost/Hour: S207.78 MATERIAL QUANTITIES Initial Volume: 497,443 Swell factor: 1.215 Loose volume: G04,393 LCY Source of estimated volume: Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: Unadjusted hourly production: Materials consistency description: Loose stockpile 1.2 Average push gradient: Average push gradient: -30 % Source Operator Skill: -30 Source Operator Skill: -30 Source Operator Skill: -30 Source						
Ripper op. Cost/Hour: Operator Cost/Hour: S207.78 Total unit Cost/Hour: S207.78 MATERIAL QUANTITIES Initial Volume: Swell factor: Loose volume: Source of estimated volume: Source of estimated volume: Cat Handbook HOURLY PRODUCTION Average push distance: Unadjusted hourly production: Materials consistency description: Average push gradient: Average push gradient: Average site altitude: Average site altitude: Material weight: I,600 lbs/LCY Weight description: Top Soil Job Condition Correction Factor Operator Skill: O.750 NA S000 S25 NA NA NA S000 S25 NA NA S000 S25 NA NA NA S000 S25 S000 S25 S000 S000 S000 S000	Operating Cost/Hour:		\$78.95	100		
Operator Cost/Hour: S207.78 Total unit Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: Swell factor: Loose volume: Source of estimated volume: Cat Handbook HOURLY PRODUCTION Average push distance: Unadjusted hourly production: Materials consistency description: Materials consistency description: Loose stockpile 1.2 Average site altitude: 9,500 feet Material weight: Intial Volume: Surre description: Loose volume: Source of estimated volume: Cat Handbook Loose stockpile 1.2 Average push distance: Unadjusted hourly production: Loose stockpile 1.2 Average push gradient: Average site altitude: 9,500 feet Material weight: Intial Volume: Surre Source Source Source Source Source (AVG.)	Ripper own. Cost/Hour:		\$0.00	NA		
Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: 497,443 Swell factor: 1.215 Loose volume: 604,393 LCY Source of estimated volume: 2022 CC&V Provided Estimate Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 210 feet Unadjusted hourly production: 277.8 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY Weight description: Top Soil Job Condition Correction Factor Operator Skill: 0.750 Source Operator Skill: 0.750 (AVG.)	Ripper op. Cost/Hour:		\$0.00	25		
Total unit Cost/Hour: \$207.78 Total Fleet Cost/Hour: \$207.78 MATERIAL QUANTITIES Initial Volume: 497,443 Swell factor: 1.215 Loose volume: 604,393 LCY Source of estimated volume: 2022 CC&V Provided Estimate Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 210 feet Unadjusted hourly production: 277.8 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY Weight description: Top Soil Job Condition Correction Factor Operator Skill: 0.750 Source Operator Skill: 0.750 (AVG.)	Operator Cost/Hour:		\$38.59	NA		
Loose volume: 2022 CC&V Provided Estimate Source of estimated volume: Cat Handbook HOURLY PRODUCTION Average push distance: 210 feet 277.8 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY Weight description: Top Soil Job Condition Correction Factor Operator Skill: 0.750 Source (AVG.)						
Loose volume: 2022 CC&V Provided Estimate Source of estimated volume: Cat Handbook HOURLY PRODUCTION Average push distance: 210 feet 277.8 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY Weight description: Top Soil Job Condition Correction Factor Operator Skill: 0.750 Source (AVG.)		-				
Source of estimated swell factor: Cat Handbook HOURLY PRODUCTION Average push distance: 210 feet 277.8 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % 9,500 feet Material weight: 1,600 lbs/LCY Weight description: Top Soil Job Condition Correction Factor Operator Skill: 0.750 Source (AVG.)	Loose volume: 604,393 LC	Y				
HOURLY PRODUCTION Average push distance: 210 feet 277.8 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY Weight description: Top Soil Job Condition Correction Factor Operator Skill: 0.750 Source (AVG.)	Source of estimated volume:	2022 CC	— &V Provideo	l Estimate		
Average push distance: 210 feet Unadjusted hourly production: 277.8 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY Weight description: Top Soil Job Condition Correction Factor Operator Skill: 0.750 Source (AVG.)	Source of estimated swell factor:	Cat Hand	lbook			
Average push distance: 210 feet Unadjusted hourly production: 277.8 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY Weight description: Top Soil Job Condition Correction Factor Operator Skill: 0.750 Source (AVG.)	HOURLY PRODUCTION					
Unadjusted hourly production: 277.8 LCY/hr Materials consistency description: Loose stockpile 1.2 Average push gradient: -30 % Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY Weight description: Top Soil Job Condition Correction Factor Operator Skill: 0.750 Source (AVG.)		210 f				
Average push gradient:30 % Average site altitude:9,500 feet Material weight:1,600 lbs/LCY Weight description:Top Soil Job Condition Correction Factor	Unadjusted hourly production:		/hr			
Average site altitude: 9,500 feet Material weight: 1,600 lbs/LCY Weight description: Top Soil Job Condition Correction Factor Operator Skill: 0.750 Source (AVG.)	Materials consistency description	: Loose	stockpile 1.2			
Weight description: Top Soil Job Condition Correction Factor Source Operator Skill: 0.750 (AVG.)						
Job Condition Correction Factor Operator Skill: 0.750 Source (AVG.)	Material weight: 1,600	lbs/LCY				
Operator Skill: 0.750 (AVG.)	Weight description: Top S	oil				
	Job Condition Correction Factor	0	750			
				` '		
Material consistency: 1.200 (CAT HB) Dozing method: 1.000 (GEN.)	Material consistency:			(CAT HB)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 382.20 LCY/hr
Adjusted fleet production: 382.2 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.544/LCY

Total job time: 1,581.35 Hours
Total job cost: \$328,566

BULLDOZER RIPPING WORK

	Task description:	AGVLF - Topsoi	l - Lift 1 - 9	- Ripping				
Site	: Cresson Project	Perr	mit Action:	2025 Update M1980244		Permit/Job#:	M19802	44
	PROJECT IDENTI	FICATION						
	Task #: A1017 Date: 6/29/2025 User: ERR	State: County:	Colorado Teller		Ab	breviation: Filename:	None A1017	
	Agency or org	anization name: DR	MS					
	HOURLY EQUIPM	ENT COST						
	Basic Machin	ne: Cat D7R DS Ser	ies II LGP		Horsepower:		240	
	Ripper Attachme	nt: 3-Shank Ripper		_	Shift Basis:		er day	
	~ ~				Data Source:	((CRG)	
	Cost Breakdown:			ĺ	Utilization %			
	Owr	nership Cost/Hour:		\$90.24	NA			
				\$78.95	100	_		
		nership Cost/Hour: erating Cost/Hour:		\$9.25 \$5.20	NA 100	_		
		perator Cost/Hour:		\$38.59	NA	_		
		al Unit Cost/Hour:		\$222.23		_		
	Tota	al Fleet Cost/Hour:	\$222	2.23				
	MATERIAL QUAN							
	Alternate Methods:	TITIES	Sele	ected estimating	g method: Are	ea		
		D1	X7 - 1	NT A	DCW		NT A	
smic: Area:	NA 616.66 a		CVolume: _ Depth (ft):	NA 2.50	BCY Volume:	2,487,195	NA	BCY or C
	Sour	ce of estimated quantit	y:2022 C	C&V Provided	l Estimate			
	HOURLY PRODUC	<u>CTION</u>						
	Seismic:							
		Seismic Velo	city:	NA	feet/se	econd		
	Area:							
		Average Ripping De		2.45	feet/pa			
		Average Ripping Windows Average Ripping Len		6.50 442.00	feet/pa			
		Average Dozer Sp		88.00	feet/m			
		Average Maneuver T	ime:	0.25		es/pass		
		Production per unit a	area:	0.751	acres/l	hour		
	Job Condition Correction	on Factors						
	Unadjuste	ed Hourly Unit Product	tion:	0.751	Acres/	/hr		
		Site Altit	ude:	9,500	feet			
		Altitude		1.00	(CAT			
		Job Efficie Net Correct		0.83 0.83	(1 shif multip	•		
			·			1101		
		Adjusted Hourly Unit Adjusted Hourly Fleet		0.62 0.62	Acres/hr Acres/hr			
	JOB TIME AND CO		- 10 000 11011.	U.U2	7 10103/111			
		1 Grader(s)		Total job tin	ne:	989.93	Ho	urs
				ū				
	Unit cost: \$35	6.747 Per acre		Total job co	st:\$	219,992		

BULLDOZER WORK

				Grading		
: Cresson Project	t	Per	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDEN	NTIFICATIO	N				
Task #: A110 Date: 6/29/	2025	State: County:	Colorado Teller		Abbreviation: Filename:	None A1100
User: ERR						
Agency o	r organization n	iame: DF	RMS			
HOURLY EQU	IPMENT CO	<u>ST</u>				
Basic Machine:	Cat D10T - 1	10SU				
Horsepower:	574					
Blade Type:	Semi-Univer	rsal				
Attachment:	NA					
Shift Basis:	1 per day					
Data Source:	(CRG)					
Cost Breakdown:						
				Utilization %		
Ownership Cost/H	Hour:		\$257.39	NA		
Operating Cost/H			\$196.93	100		
Ripper own. Cost/H	Hour:		\$0.00	NA		
Ripper op. Cost/I			\$0.00	0		
Operator Cost/H	· · · · · · · · · · · · · · · · · · ·		\$38.59	NA		
Total unit Cost/Hor Total Fleet Cost/Ho	our: \$985.8					
	our: \$985.8		_			
MATERIAL OU Initial Volume:	\$985.8 JANTITIES 1,797,311	1				
MATERIAL QU Initial Volume: Swell factor:	yANTITIES 1,797,311 1.000 1,797,311 LCdd volume:	1 'Y	&V Provideo	1 Estimate		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI	JANTITIES 1,797,311 1.000 1,797,311 LCdd volume: d swell factor: DUCTION	1 Y 		1 Estimate		
MATERIAL OU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	JANTITIES 1,797,311 1.000 1,797,311 LCdd volume: dd swell factor: DUCTION nnce:	1 Y 	lbook	l Estimate		
MATERIAL OU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista	JANTITIES 1,797,311 1.000 1,797,311 LCdd volume: dd swell factor: DUCTION nnce: production:	2022 CC Cat Hand 145 feet 1,284.6 LC	lbook			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly	### Space	2022 CC Cat Hand 145 feet 1,284.6 LC	Y/hr			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consisten	### Spanson	1 2022 CC Cat Hand 145 feet 1,284.6 LC Consol	Y/hr			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consistent Average push grade	\$985.8 1,797,311 1,000 1,797,311 LC d volume: d swell factor: DUCTION	1 2022 CC Cat Hand 145 feet 1,284.6 LC Consol	Y/hr			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consisten Average push gradia	\$985.8 \$985.8 \$1,797,311 1.000 1,797,311 LC d volume: d swell factor: DUCTION	1 2022 CC Cat Hand 145 feet 1,284.6 LC Consol	Y/hr			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consistent Average push grade Average site altitude Material weight: Weight description Job Condition Corre	\$985.8 \$985.8 \$1,797,311 1,000 1,797,311 LC d volume: d swell factor: \$1,797,311 LC d volume: d swell factor: \$1,797,311 LC d volume: d swell factor: \$1,797,311 LC d volume: d swell factor: \$1,000 d \$1,797,311 LC d volume: d vol	1 2022 CC Cat Hand 145 feet 1,284.6 LC Consol Eeet bs/LCY	Y/hr idated stock	pile 1.0		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consistent Average push gradi Average site altitud Material weight: Weight description Job Condition Corr	\$985.8 \$985.8 \$1,797,311 1.000 1,797,311 LC d volume: d swell factor: \$DUCTION	1 2022 CC Cat Hand 145 feet 1,284.6 LC Consol Ceet bs/LCY e - Broken	Y/hr	pile 1.0		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7855

Adjusted unit production: 1,009.05 LCY/hr
Adjusted fleet production: 2018.1 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.488/LCY

Total job time: 890.60 Hours
Total job cost: \$877,959

BULLDOZER WORK

Task description:	SGVL	F - 100 ft	face - Fine C	Grading			
Cresson Project		Per	mit Action:	2025 Upda M1980244		Permit/Job#:	M1980244
PROJECT IDENT	IFICATIO	N					
Task #: A1101 Date: 6/29/20		State: County:	Colorado Teller			Abbreviation: Filename:	None A1101
User: ERR							
Agency or o	rganization n	ame: DI	RMS				
HOURLY EQUIP	MENT CO	ST					
Basic Machine:	Cat D7R DS	Series II L	GP				
—	240						
	Straight						
	NA						
_	1 per day						
_	(CRG)						
	(====)						
<u>Cost Breakdown</u> :				11.11	··		
O1: - C/II			¢00.24	Util	ization %		
Ownership Cost/Hou			\$90.24 \$78.95		NA 100		
Operating Cost/Hou							
Ripper own. Cost/Hou			\$0.00		NA		
Ripper op. Cost/Hou			\$0.00		0		
Operator Cost/Hou	ır:		\$38.59		NA		
Swell factor: 1	99,701						
Loose volume: 1	99,701 LCY						
Source of estimated volume Source of estimated sy		2022 CC Cat Hand	&V Provided lbook	d Estimate			
HOURLY PRODU	CTION						
Average push distance Unadjusted hourly pro		145 feet 381.4 LCY	/hr				
Materials consistency	description:	Consol	idated stock	pile 1.0			
Average push gradien	t: -30 %						
Average site altitude:	9,500 f	eet					
Material weight:	2,800 1	bs/LCY				_	
Weight description:	Granite	e - Broken					
Job Condition Correct		-	750	ı	Source		
	or Skill:		.750		(AVG.)		
Material con			.000		(CAT HB)		
Dozing	method:	1.	.000		(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6546

Adjusted unit production: 249.66 LCY/hr
Adjusted fleet production: 249.66 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.832/LCY

Total job time: 799.89 Hours
Total job cost: \$166,198

Task description:	SGVLF	- Topsoil - Lift 1	- Transport			
Site: Cresson Project	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE	NTIFICATION	<u>[</u>				
Task #: <u>A110</u>		State: Colora		Ab	breviation: No	
Date: <u>6/29/</u> User: ERR		County: Teller			Filename: A1	102
	r organization nar	ne: DRMS				
				G1 16 1		
HOURLY EQU	IPMENT COS.	<u> </u>			is: 1 per day	
-	Truck Loader Tea		Equipment Descri 777F	ption		
		-Loader: CA	T 992K			
Supp	port Equipment -L	Load Area: Cat ump Area: NA	D10T - 10SU			
Road N	Taintenance –Mot		T 16M			
	-Wa	nter Truck: Wat	ter Tanker, 7,000	Gal.		
Cost Breakdown:	Tmiels/Lo	ader Team	Support l	Equipment	Maintanan	ce Equipment
Cost Breakdown:	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Ripper op. cost/hour: Operator cost/hour:	NA \$25.24	\$0.00 \$36.85	\$0.00 \$38.59	NA NA	\$0.00 \$27.76	\$0.00 \$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA NA	\$27.76	\$115.35
Number of Units:	5	1	1	0	1	1
Group Subtotals:	Work:	\$2,423.66	Support:	\$492.91	Maint:	\$352.41
			Support.	ψ1,52.51	TVIAIIT.	Ψ332.11
Total work team co	ost/nour: \$3,268.	98				
MATERIAL QU	JANTITIES					
Initial volume		CCY	Swell	factor: 1.215		
Loose volume				1actor. 1.213		
Sc	ource of estimated	L volume: 2022	CC&V Provided	Estimate		
	e of estimated swe		Handbook			
	Material Purch					
	10	otal Cost: \$0.00)			
HOURLY PRO	DUCTION					
Truck Capacity:						
Truck Payload (we						
Material		.: 1	Pounds/LCY	•		
Rated P	ription: Top So ayload: 200,00		Pounds			

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis: Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Fina	al Truck Volum	e Based on Number of	of Loader Passes:	70.40	LCY	
Loading Tool Capacity			D. I		NI A	
Rated Capacity:	16.000	LCY (heaped)		ket Size Class:	NA	_
Bucket Fill Factor:	1.100		irt mixtures (100	-120%) 1.100		=
Adjusted Capacity:	17.600	LCY				
Job Condition Correction	<u>s:</u>	S	Site Altitude (ft.): 9	9500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HE	3)		
Job Efficiency:	0.830	0.830	(CAT HE	3)		
Net Correction:	0.830	0.813				
		33333				
Loading Tool Cycle Time	: Numbe	er of Loading Tool Pa	asses Required to	Fill Truck:	41	passes
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time	: Numberels: vs. Job Condition	er of Loading Tool Pa	asses Required to	Fill Truck:	1	passes
Excavators and Front Show Machine Cycle Time Selected Value	els: Numberels: vs. Job Condition within this Bas	er of Loading Tool Pa on Rating: NA ic Rating: NA	asses Required to	Fill Truck:	1	passes
Excavators and Front Show Machine Cycle Time Selected Value	els: vs. Job Condition within this Base Material Desc	er of Loading Tool Pa on Rating: NA ic Rating: NA	asses Required to	Fill Truck:		passes
Excavators and Front Show Machine Cycle Time Selected Value Track Loaders	vs. Job Condition within this Base – Material Desc	er of Loading Tool Pa on Rating: NA ic Rating: NA	asses Required to	Fill Truck:		passes
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min.)	E: Numberels: vs. Job Condition within this Base Material Desc):	on Rating: NA		Dump: 0.1		
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min.) Load: NA	vs. Job Condition within this Base Material Desc): - Unadjusted B	on Rating: NA		Dump: 0.1	00	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material:	vs. Job Condition within this Base Material Desc): - Unadjusted B Mixed material	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti	ime (load, dump, r	Dump: 0.10 maneuver): Factor (min.) 0.020	00 0.625 min Source (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (minimal Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	vs. Job Condition within this Base Material Desc): - Unadjusted B Mixed material No adjustme	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti	ime (load, dump, r	Dump: 0.10 maneuver): Factor (min.) 0.020 0.000	00 0.625 min Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	vs. Job Condition within this Base Material Desc): - Unadjusted B Mixed material No adjustme Common ow	on Rating: NA ic Rating: NA ription: NA asic Loader Cycle Ti rial 0.02 ent - factor not applic vnership of trucks and	ime (load, dump, r	Dump: 0.10 maneuver): Factor (min.) 0.020 0.000 -0.040	00 min Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	vs. Job Condition within this Base Material Desc):	on Rating: NA	ime (load, dump, r	Dump: 0.1 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040	00	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	vs. Job Condition within this Base Material Desc): - Unadjusted B Mixed mater No adjustme Common ow Constant ope	on Rating: On Rating: NA NA ription: Maneuver: NA asic Loader Cycle Ti rial 0.02 ent - factor not applicy rership of trucks and eration -0.04 get 0.00	ime (load, dump, r able 0.00 d loaders -0.04	Dump: 0.14 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	vs. Job Condition within this Base Material Desc):	on Rating: NA on Rating: NA on Rating: NA on Rating: NA on NA ription: Maneuver: NA asic Loader Cycle Ti on Tial 0.02 on - factor not applicy onership of trucks and oneration -0.04 get 0.00 Net Cycle Tial	ime (load, dump, r able 0.00 d loaders -0.04 me Adjustment:	Dump: 0.10 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	00	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	vs. Job Condition within this Base Material Desc):	on Rating: NA on Rating: NA on Rating: NA on Rating: NA on N	able 0.00 d loaders -0.04 me Adjustment: der Cycle Time:	Dump: 0.10 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	vs. Job Condition within this Base Material Desc):	on Rating: NA on Rating: NA on Rating: NA on Rating: NA on N	ime (load, dump, r able 0.00 d loaders -0.04 me Adjustment:	Dump: 0.10 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	00	
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	vs. Job Condition within this Base Material Desc : - Unadjusted B Mixed mater No adjustme Common ow Constant ope Nominal targ	on Rating: NA on Rating: NA on Rating: NA on Rating: NA on N	able 0.00 d loaders -0.04 me Adjustment: der Cycle Time: Time per Truck:	Dump: 0.10 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time	vs. Job Condition within this Base Material Desc :	on Rating: On Rating: NA Nic Rating: Maneuver: Maneuver: NA asic Loader Cycle Ti rial 0.02 ent - factor not applic vnership of trucks and eration -0.04 get 0.00 Net Cycle Ti Adjusted Load Net Load Minutes	ime (load, dump, rable 0.00 d loaders -0.04 d loaders -0.04 der Cycle Time: Fime per Truck:	Dump: 0.16 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.800	utes
Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	ws. Job Condition within this Base Material Descential	on Rating: NA on Rating: NA on Rating: NA on Rating: NA on N	ime (load, dump, rable 0.00 d loaders -0.04 d loaders -0.04 d loaders -Truck:	Dump: 0.10 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	6269.00	7.10	3.00	10.10	795	7.950

Haul Time: 7.950 minutes Return Route: Roll. Res Total Res Travel Haul Distance Grade (%) Velocity Seg# Time (Ft) (%) (%) (fpm) (min) 6269.00 -7.10 3.00 -4.10 3450 1.873

Return Time: 1.873 minutes
Total Truck Cycle Time: 13.655 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 309.35 LCY/Hour Adjusted for job efficiency: 256.76 LCY/Hour

Optimal No. of Trucks: _____ 5 ___ Truck(s) Selected Number of Trucks: ____ 5 ___ Truck(s)

Adjusted hourly truck team production: 1,283.78 LCY/Hour Adjusted single truck/loader team production: 1,283.78 LCY/Hour Adjusted multiple truck/loader team production: 1,283.78 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 12.74
 Hours

 Unit cost:
 \$2.546
 /LCY
 Total job cost:
 \$41,631

Task description:	SGVLF	- Topsoil - Lift 2	- Transport			
Site: Cresson Project		Permit Actio	on: 2025 Updat M1980244		Permit/Job#: M	1980244
PROJECT IDEN	TIFICATION					
Task #: A110 Date: 6/29/2 User: ERR		State: Colora County: Teller	do	Ab	breviation: No. A1	ne 103
Agency or	organization nan	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>r</u>		Shift bas	is: <u>1 per day</u>	
			Equipment Descri	iption		
7	Truck Loader Tea		777F Г 992K			
Supp	ort Equipment -L		D10T - 10SU			
		imp Area: NA	F 1 (2) (
Road M	aintenance –Mot Wa-		Γ 16M er Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Loa Truck	ader Team Loader	Support Load Area	Equipment Dump Area	Maintenan Motor Grader	Water Truck
6Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA to oo	NA	NA co.oo	NA
tipper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00 \$0.00	\$0.00 \$0.00
Ripper op. cost/hour: Operator cost/hour:	\$25.24	\$0.00 \$36.85	\$0.00 \$38.59	NA NA	\$0.00	\$0.00
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA NA	\$27.76	\$115.35
Number of Units:	4	1	1	0	1	1
Group Subtotals:	Work:	\$2,046.51	Support:	\$492.91	Maint:	\$352.41
Total work team cos	st/hour: \$2,891.	83	11		I	
MATERIAL QU	ANTITIES					
Initial volume Loose volume		CCY LCY	Swell	factor: 1.215		
	urce of estimated of estimated swe Material Purch To	ell factor: Cat H		Estimate		
HOURLY PRO	DUCTION					
Truck Capacity: Truck Payload (wei	ght) Basis:					
	ription: Top So		Pounds/LCY			
Rated Pa	ayload: <u>200,00</u>	0	Pounds			

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Ruck	tet Size Class:	NΔ	
Rated Capacity:	16.000	LCY (heaped)	Duck	et Size Class.	NA	_
Bucket Fill Factor:	1.100		t mixtures (100-	-120%) 1 100		_
Adjusted Capacity:	17.600	LCY	i illixtures (100	120/0) 1.100		_
Adjusted Capacity.	17.000	LC I				
Job Condition Corrections	<u>L</u>	Sit	te Altitude (ft.): 9	2500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
		0.012				
Loading Tool Cycle Time:		r of Loading Tool Pas	sses Required to I	Fill Truck:	4 1	passes
Loading Tool Cycle Time: Excavators and Front Shove	Numbe		sses Required to I	Fill Truck:	4I	passes
	Numbe ls: s. Job Conditio	r of Loading Tool Pasn Rating: NA	sses Required to I	Fill Truck:	4I	passes
Excavators and Front Shove Machine Cycle Time v	Numbe ls: s. Job Conditio within this Basi	r of Loading Tool Pas n Rating: NA c Rating: NA	sses Required to I	Fill Truck:	4I	passes
Excavators and Front Shove Machine Cycle Time v Selected Value	Numbers Number	r of Loading Tool Pas n Rating: NA c Rating: NA	sses Required to I	Fill Truck:	4I	passes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders –	Numbers S. Job Condition Within this Basin Material Descr	r of Loading Tool Pas n Rating: NA c Rating: NA	sses Required to I		100	passes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.)	Numbersels: s. Job Condition within this Basi Material Descr	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA		Dump: 0.		
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	Numbersels: s. Job Condition within this Basi Material Descr	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA		Dump: 0.	100 0.625 min	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders –	Numbersels: s. Job Condition within this Basi Material Descr	r of Loading Tool Pas n Rating: NA c Rating: NA iption: Ianeuver: NA asic Loader Cycle Tin		Dump: 0.	100 0.625 min	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors	Numbersels: s. Job Condition within this Basi Material Descr Muture Material Descr Muture Material Descr Mixed material Descr	r of Loading Tool Pasen Rating: NA Rating:	ne (load, dump, n	Dump: 0. naneuver): Factor (min.) 0.020 0.000	100 0.625 minu Source	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbers 1s: s. Job Condition within this Basis Material Description Material Description Mixed Basis Mixed material No adjustment Common ow	r of Loading Tool Pasen Rating: NA c Rating: NA iption: Maneuver: NA asic Loader Cycle Tin ial 0.02 at - factor not applical nership of trucks and	ne (load, dump, n	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040	0.625 minus (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbers ls: s. Job Condition within this Basis Material Description Material Description Mixed Basis Mixed material No adjustment Common ow Constant ope	n Rating: NA	ne (load, dump, n	Dump: 0. naneuver):	0.625 minum (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbers 1s: s. Job Condition within this Basis Material Description Material Description Mixed Basis Mixed material No adjustment Common ow	r of Loading Tool Pasen Rating: NA c Rating: NA iption: Maneuver: NA asic Loader Cycle Tin all 0.02 at - factor not applical nership of trucks and ration -0.04 et 0.00	ne (load, dump, n	Dump:0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.625 minute Source	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbers ls: s. Job Condition within this Basis Material Description Material Description Mixed Basis Mixed material No adjustment Common ow Constant ope	n Rating: NA CRATING: NA	ne (load, dump, n ble 0.00 loaders -0.04	Dump:0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.625 minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbers ls: s. Job Condition within this Basis Material Description Material Description Mixed Basis Mixed material No adjustment Common ow Constant ope	n Rating: NA c Rating: NA iption: NA ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loader	ne (load, dump, n ble 0.00 loaders -0.04 ne Adjustment:	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	0.625 minutes minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Numbers ls: s. Job Condition within this Basis Material Description Material Description Mixed Basis Mixed material No adjustment Common ow Constant ope	n Rating: NA c Rating: NA iption: NA ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loader	ne (load, dump, n ble 0.00 loaders -0.04	Dump:0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.625 minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Numbers States Numbers States	n Rating: NA c Rating: NA iption: NA asic Loader Cycle Tin ial 0.02 nt - factor not applicat nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loade Net Load Ti	ne (load, dump, noble 0.00 loaders -0.04 loa	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	O.625 minutes minutes	utes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time	Numbers ls: s. Job Condition within this Basis Material Description Material Description Mixed material No adjustment Common ow Constant open Nominal targetics: s. 0.80	n Rating: NA c Rating: NA iption: NA Maneuver: NA asic Loader Cycle Tin ial 0.02 nt - factor not applical nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loade Net Load Ti Minutes	ne (load, dump, noble 0.00 loaders -0.04 loaders -0.04 loaders -Truck:	Dump:	0.625 minutes minutes 0.800	utes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number ls: s. Job Condition within this Basi Material Description Material Description Mixed material No adjustment Common own Constant open Nominal targetics: s. 0.80 s. 1.795	n Rating: NA c Rating: NA iption: NA asic Loader Cycle Tin ial 0.02 nt - factor not applicat nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loade Net Load Ti	ne (load, dump, noble 0.00 loaders -0.04 loaders -0.04 loaders -me Adjustment:	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	0.625 minutes minutes minutes minutes 0.800 1.832	

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4774.00	5.40	3.00	8.40	985	4.952

Haul Time: 4.952 minutes
Return Route:

Keturn Ke	Return Route:							
Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)		
1	4774.00	-5.40	3.00	-2.40	3503	1.405		

Return Time: 1.405 minutes
Total Truck Cycle Time: 10.189 minutes

Loading Tool unit

Production ____1,605.09 LCY/Hour Adjusted for job efficiency: ____1,332.22 LCY/Hour

Truck Unit Production
414.58 LCY/Hour Adjusted for job efficiency: 344.10 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 1,376.40 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 11.57 Hours

Unit cost: \$2.171 /LCY Total job cost: \$33,458

Task description:	SGVLF	- Topsoil - Lift 3	3 - Transport			
Site: Cresson Project	;	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE	NTIFICATION	[
Task #: A110		State: Colors		Ab	breviation: No	
Date: 6/29/	2025	County: Teller			Filename: A1	104
User: ERR		DDMC				
Agency of	r organization nar	ne: DRMS				
HOURLY EQUI	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day	
	T1. I 1 T		Equipment Descri	ption		
	Truck Loader Tea		777F T 992K			
Supr	oort Equipment -L		D10T - 10SU			
		ump Area: NA				
Road M	Iaintenance –Mot		T 16M			
	-Wa	ter Truck: Wa	ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team	Support 1	Equipment	Maintenan	nce Equipment
Cost Breakdown.	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team co	st/hour: \$2,514.	68				
MATERIAL QU	IANTITIES					
'		COV				
Initial volume		2 CCY LCY		factor: 1.215		
Loose volume						
	ource of estimated		CC&V Provided	Estimate		
Source	e of estimated swe Material Purch		Handbook			
		otal Cost: \$0.00				
HOURLY PRO	<u>DDUCTION</u>					
Truck Capacity:						
Truck Payload (we			.			
Material		.:1	Pounds/LCY			
Rated P	ription: $\frac{\text{Top So}}{200,00}$		Pounds			
raica i	200,00	~	1 Julius			

Rated Capacity: 16.000 LCY (heaped) Bucket Size Class: NA	Truck/Loader Worksheet C	ont'd	Task # A1104			Page 2 of 3	i
Struck Volume: 60.60	Payload Capacity:	125.00	LCY				
Heaped Volume: 78.80		60.60	LCV				
Average Volume: 69.70	-						
Adjusted Volume 78.80 LCY							
Final Truck Volume Based on Number of Loader Passes: 70.40 Loading Tool Capacity: 16.000 LCY (heaped) Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100 Adjusted Capacity: 17.600 LCY Site Altitude (ft.): 9500 feet	Ŭ,						
Bucket Size Class: NA	<u>, </u>						
Rated Capacity: 16.000 LCY (heaped) Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100 Double		al Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100 Adjusted Capacity: 17.600 LCY Interpretation Inte	Loading 1001 Capacity			Buck	ket Size Class: N	ΙA	
Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100 Adjusted Capacity: 17.600 LCY Interpretation Inte	Rated Capacity:	16.000	LCY (heaped)				
Site Altitude (ft.): 9500 feet	Bucket Fill Factor:		Other - rock/dirt	mixtures (100	-120%) 1.100		
Net Correction: 0.830 0.830 (CAT HB)	Adjusted Capacity:	17.600	LCY				
Altitude Adj: 1.000 0.980 (CAT HB) Job Efficiency: 0.830 0.830 (CAT HB) Net Correction: 0.830 0.813 Loading Tool Cycle Time: Number of Loading Tool Passes Required to Fill Truck: 4 Excavators and Front Shovels: NA Selected Value within this Basic Rating: NA NA	Job Condition Correction	s:_	Sit	e Altitude (ft.): 9	9 <u>500</u> feet		
Altitude Adj: 1.000 0.980 (CAT HB) Job Efficiency: 0.830 0.830 (CAT HB) Net Correction: 0.830 0.813 Loading Tool Cycle Time: Number of Loading Tool Passes Required to Fill Truck: 4 Excavators and Front Shovels: Machine Cycle Time vs. Job Condition Rating: NA Selected Value within this Basic Rating: NA Track Loaders – Material Description: Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 Cycle Time Factors Factors Factor (min.) Material: Mixed material 0.02 0.020 (Stockpile: No adjustment - factor not applicable 0.00 0.000 (Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (Operation: Constant operation -0.04 -0.040 (Dump Target: Nominal target 0.00 Net Cycle Time Adjustment: -0.060 Adjusted Loader Cycle Time: 0.565 Net Load Time per Truck: 1.795 Truck Cycle Time: Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: Truck Load Time: 1.795 Minutes Adjusted for site altitude:		Truck	Loader	Source			
Net Correction: Number of Loading Tool Passes Required to Fill Truck: 4	Altitude Adj:	1.000	0.980		5)		
Number of Loading Tool Passes Required to Fill Truck: 4	Job Efficiency:	0.830	0.830	(CAT HB			
Machine Cycle Time vs. Job Condition Rating: Selected Value within this Basic Rating: NA NA	Net Correction:	0.830	0.813				
Machine Cycle Time vs. Job Condition Rating: Selected Value within this Basic Rating: NA NA	Loading Tool Cycle Time	: Number	of Loading Tool Pas	ses Required to 1	Fill Truck:	4	passes
Selected Value within this Basic Rating: NA Track Loaders – Material Description: Cycle Time Elements (min.): Load: NA		_	C	•			•
Track Loaders – Material Description: Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 Cycle Time Factors Factors Factor (min.) Material: Mixed material 0.02 0.020 (Stockpile: No adjustment - factor not applicable 0.00 0.000 (Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (Operation: Constant operation -0.04 -0.040 (Operation: Nominal target 0.00 0.000 (Net Cycle Time Adjustment: -0.060 Adjusted Loader Cycle Time: 0.565 Net Load Time per Truck: 1.795 Truck Cycle Time: 1.795 Minutes Adjusted for site altitude: Truck Load Time: 1.795 Minutes Adjusted for site altitude:							
Cycle Time Elements (min.): Load: NA Maneuver: NA Dump: 0.100 Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.625 Cycle Time Factors Factor (min.) Material: Mixed material 0.02 0.020 0 Stockpile: No adjustment - factor not applicable 0.00 0.000 0 Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 0 Operation: Constant operation -0.04 -0.040 0 Dump Target: Nominal target 0.00 0.000 0 Net Cycle Time Adjustment: -0.060 Adjusted Loader Cycle Time: 0.565 Net Load Time per Truck: 1.795 Truck Cycle Time: Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: Truck Load Time: 1.795 Minutes Adjusted for site altitude:							
Load: NA Maneuver: NA Dump: 0.100			ipuon				
Cycle Time Factors Factor (min.) Material: Mixed material 0.02 0.020 (Stockpile: No adjustment - factor not applicable 0.00 0.000 (Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (Operation: Constant operation -0.04 -0.040 (Dump Target: Nominal target 0.00 0.000 (Net Cycle Time Adjustment: -0.060 Adjusted Loader Cycle Time: 0.565 Net Load Time per Truck: 1.795 Truck Cycle Time: 0.80 Minutes Adjusted for site altitude: Truck Load Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.02 (Net Cycle Time: 0.80 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes 1.795	•		laneuver: NA		Dump: 0.10	0	
Cycle Time Factors Factor (min.) Material: Mixed material 0.02 0.020 (Stockpile: No adjustment - factor not applicable 0.00 0.000 (Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (Operation: Constant operation -0.04 -0.040 (Dump Target: Nominal target 0.00 0.000 (Net Cycle Time Adjustment: -0.060 Adjusted Loader Cycle Time: 0.565 Net Load Time per Truck: 1.795 Truck Cycle Time: 0.80 Minutes Adjusted for site altitude: Truck Load Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.02 (Net Cycle Time: 0.80 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes Adjusted for site altitude: Constant operation -0.04 (Net Cycle Time: 1.795 Minutes 1.795	Wheel and Track Loaders	 s - Unadiusted Ba	sic Loader Cycle Tin	ne (load dump n	naneuver). () 625 min	utes
Material: Mixed material 0.02 0.020 (Stockpile: No adjustment - factor not applicable 0.00 0.000 (Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (Operation: Constant operation -0.04 -0.040 (Dump Target: Nominal target 0.00 0.000 (Net Cycle Time Adjustment: -0.060 Adjusted Loader Cycle Time: Net Load Time per Truck: 1.795 Truck Cycle Time: 0.80 Minutes Adjusted for site altitude: Truck Load Time: 1.795 Minutes Adjusted for site altitude:				(10 46, 661	,	1	
Stockpile: No adjustment - factor not applicable 0.00 0.000 (Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (Operation: Constant operation -0.04 -0.040 (Dump Target: Nominal target 0.00 0.000 (Net Cycle Time Adjustment: -0.060 Adjusted Loader Cycle Time: O.565 Net Load Time per Truck: 1.795 Truck Cycle Time: 0.80 Minutes Adjusted for site altitude: Truck Load Time: 1.795 Minutes Adjusted for site altitude:	•		al 0 02			Source (Cat HB)	_
Truck Ownership: Common ownership of trucks and loaders -0.04 -0.040 (Operation: Constant operation -0.04 -0.040 (Operation: Nominal target 0.00 Operation: Nominal target 0.00 Operation: Operation: Operation -0.040 Operation: Operation -0.040 Operation: Operation: Operation -0.040 Operation -0.040 Operation:				ole 0.00		(Cat HB)	_
Operation: Constant operation -0.04						(Cat HB)	
Net Cycle Time Adjustment: -0.060 Adjusted Loader Cycle Time: 0.565 Net Load Time per Truck: 1.795 Truck Cycle Time: Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: Truck Load Time: 1.795 Minutes Adjusted for site altitude:						(Cat HB)	
Adjusted Loader Cycle Time: Net Load Time per Truck: 1.795 Truck Cycle Time: Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: Truck Load Time: 1.795 Minutes Adjusted for site altitude:	Dump Target:	Nominal targe			0.000	(Cat HB)	
Net Load Time per Truck: 1.795 Truck Cycle Time: Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: Truck Load Time: 1.795 Minutes Adjusted for site altitude:						minutes	
Truck Cycle Time: Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: Truck Load Time: 1.795 Minutes Adjusted for site altitude:						minutes	
Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: Adjusted for site altitude: Adjusted for site altitude:			Net Load Ti	me per Truck: _	1.795	minutes	
Truck Load Time: 1.795 Minutes Adjusted for site altitude:	Truck Cycle Time:						
	Truck Exchange Tin	ne: 0.80	Minutes	Adjusted	for site altitude:	0.800	Minute
ck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude:	Truck Load Tin	ne: 1.795	Minutes	Adjusted	for site altitude:	1.832	Minute
	ck Maneuver and Dump Tin	ne: 1.20	Minutes		_	1.200	 Minute
			<u> </u>	. .	<u> </u>		_

1.092

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3710.00

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3710.00	3.90	3.00	6.90	1160	3.326

Haul Time: **3.326** minutes Return Route: Total Res Travel Seg# Haul Distance Grade (%) Roll. Res Velocity Time (Ft) (%) (%) (fpm) (min)

3.00

-3.90

Return Time: 1.092 minutes
Total Truck Cycle Time: 8.250 minutes

3503

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour

-0.90

Truck Unit Production
512.02 LCY/Hour Adjusted for job efficiency: 424.98 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,274.94 LCY/Hour Adjusted single truck/loader team production: 1,274.94 LCY/Hour Adjusted multiple truck/loader team production: 1,274.94 LCY/Hour LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **16.00** Hours

Unit cost: \$1.972 /LCY Total job cost: **\$40,241**

Task description:	SGVLF	- Topsoil - Lift 4	l - Transport			
Site: Cresson Project	;	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN		•				
Task #: A110		State: Colora		Ab	breviation: No	
Date: <u>6/29/2</u> User: ERR	2025	County: <u>Teller</u>			Filename: A1	105
	r organization nar	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>r</u>		Shift bas	is: <u>1 per day</u>	
			Equipment Descri			
	Fruck Loader Tea		777F			
Supr	oort Equipment -L		T 992K D10T - 10SU			
Supp		imp Area: NA				
Road M	laintenance –Mot		T 16M			
	-Wa	ter Truck: Wat	ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team	Support 1	Equipment	Maintenan	ice Equipment
Cost Breakdown.	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
% Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team co	st/hour: \$2,514.	68				
MATERIAL QU	<u> JANTITIES</u>					
Initial volume	e: 25,752	CCY	Swell	factor: 1.215		
Loose volume	31,28	9 LCY		-		
Sc	ource of estimated	volume: 2022	CC&V Provided	Estimate		
Source	e of estimated swe		Handbook			
	Material Purch					
	10	otal Cost: \$0.00	J			
HOURLY PRO	DUCTION					
Truck Capacity:						
Truck Payload (wei						
Material v			Pounds/LCY	•		
Descr Rated Pa	ription: $\frac{\text{Top So}}{200,00}$		Pounds			
Kated Pa	ay10au:200,00	U	rounus			

Truck Louder Worksheet Con	ı u	1 d s k // 111103			1 age 2 of 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis: Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:		LCY				
Final 7	Γruck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity						
Rated Capacity:	16.000	LCY (heaped)	Buck	ket Size Class: N	NA	_
Bucket Fill Factor:	1.100	Other - rock/dirt	mixtures (100	-120%) 1.100		=
Adjusted Capacity:	17.600	LCY		,		_
Job Condition Corrections:		 Sit	e Altitude (ft.): <u>9</u>	9500 feet		
gos condition corrections.			<u> </u>	<u> </u>		
Alaire de Adie	Truck	Loader	Source			
Altitude Adj: Job Efficiency:	1.000 0.830	0.980 0.830	(CAT HB (CAT HB			
-			(CITI IID			
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	of Loading Tool Pas	ses Required to l	Fill Truck:	4 1	passes
Excavators and Front Shovels	<u>s:</u>					
Machine Cycle Time vs Selected Value w						
Track Loaders – I	Material Descri	ption:				
Cycle Time Elements (min.):						
Load: NA	M	aneuver: NA		Dump: 0.10	0	
Wheel and Track Loaders -	Unadjusted Ba	sic Loader Cycle Tim	ne (load, dump, n	maneuver):(0.625 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materi			0.020	(Cat HB)	
Stockpile:		t - factor not applicat		0.000	(Cat HB)	_
Truck Ownership:		nership of trucks and	loaders -0.04	-0.040	(Cat HB)	_
Operation:	Constant oper			-0.040	(Cat HB)	_
Dump Target:	Nominal targe	Net Cycle Tim	a Adiustment	-0.060	(Cat HB) minutes	_
		Adjusted Loade	_	0.565	minutes	
			me per Truck: _	1.795	minutes	
Truck Cycle Time:						
Truck Exchange Time:	0.80	Minutes	Adjusted	for site altitude:	0.800	Minute
Truck Load Time:	1.795	Minutes	Adjusted	for site altitude:	1.832	Minute
ck Maneuver and Dump Time:	1.20	Minutes	Adjusted	for site altitude:	1.200	Minute
	-			-		_

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3178.00	1.90	3.00	4.90	1550	2.249

Return Route:
Seg # Haul Distance Grade (%) Roll. Res Total Res Velocity Travel

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3178.00	-1.90	3.00	1.10	3503	1.103

Return Time: 1.103 minutes
Total Truck Cycle Time: 7.184 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour

Truck Unit Production

588.00 LCY/Hour Adjusted for job eff.

Adjusted for job efficiency: 488.04 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,464.13 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____23.49 Hours

Unit cost: \$1.888 /LCY Total job cost: \$59,060

Site: Cresson Proje	ct	Permit Act	2025 Updat M1980244		Permit/Job#: <u>M</u>	1980244
PROJECT IDI	ENTIFICATION	<u>[</u>				
Task #: <u>A1</u>		State: Color		Ab	breviation: No	
Date: $6/2$ User: ER		County: Telle	r		Filename: A1	106
	or organization na	ne: DRMS				
Agency	of organization har	ile. DRMS				
HOURLY EQ	UIPMENT COS	<u>r</u>		Shift bas	is: 1 per day	
			Equipment Descri	iption		
	Truck Loader Tea		t 777F T 992K			
Su	pport Equipment -I		t D10T - 10SU			
Dood	-D Maintenance –Mot	ump Area: NA	T 16M			
Road			iter Tanker, 7,000	Gal.		
-						
Cost Breakdown	Truck/Lo Truck	ader Team Loader	Support Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:		\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA © 00	NA	NA © 00	NA ©0.00
ipper own. cost/hour: Ripper op. cost/hour:	NA NA	\$0.00 \$0.00	\$0.00 \$0.00	NA NA	\$0.00 \$0.00	\$0.00 \$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	2	1	1	0	1	1
Group Subtotals:	Work:	\$1,292.21	Support:	\$492.91	Maint:	\$352.41
Total work team	cost/hour: \$2,137.	53				
MATERIAL Q	<u>UANTITIES</u>					
Initial volur	ne: 41,227	CCY	Y Swell	factor: 1.215		
Loose volur	ne: 50,0 9	D1 LCY	7			
;	Source of estimated	l volume: 2022	2 CC&V Provided	Estimate		
Sour	ce of estimated sw		Handbook			
	Material Purch	tase Cost: $\frac{$0.0}{$0.0}$				
HOURLY PR	ODUCTION					
Truck Capacity:						
Truck Payload (w	veight) Basis:		D	,		
	l weight: $1,600$ scription: Top So	nil	Pounds/LCY	•		
Des	жирион. <u>тор х</u> о	/11	Pounds			

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Dural	sat Siga Classe N	Τ Λ	
Datad Camanitan	16,000	LCV (beared)	Биск	ket Size Class: N	(A	<u>—</u>
Rated Capacity: Bucket Fill Factor:	16.000 1.100	LCY (heaped) Other - rock/dirt	miyturos (100	120%) 1 100		_
Adjusted Capacity:	17.600	LCY	illixtures (100-	-120%) 1.100		_
Adjusted Capacity.	17.000	LC1				
Job Condition Corrections	<u>t</u>	Sit	e Altitude (ft.): 9	<u>9500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB			
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	0.813	ses Required to I	Fill Truck:	4 1	passes
	Number		ses Required to I	Fill Truck:	4i	passes
Loading Tool Cycle Time:	Number ls: s. Job Condition	r of Loading Tool Pas	ses Required to I	Fill Truck:	4	passes
Excavators and Front Shove Machine Cycle Time v Selected Value	Number ls: s. Job Condition within this Basic	n Rating: NA c Rating: NA	ses Required to I	Fill Truck:	4	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v	Number ls: s. Job Condition within this Basic Material Descri	n Rating: NA c Rating: NA	ses Required to I	Fill Truck:		passes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders —	Number ls: s. Job Condition within this Basi Material Descr	n Rating: NA c Rating: NA	ses Required to I	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	Number ls: s. Job Condition within this Basi Material Descri	n Rating: NA		Dump: 0.100		
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA	Number ls: s. Job Condition within this Basi Material Descri	n Rating: NA		Dump: 0.100	0	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Number ls: s. Job Condition within this Basic Material Descript M Unadjusted Ba	n Rating: NA	ne (load, dump, n	Dump: 0.100	0 0.625 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile:	Number ls: s. Job Condition within this Basic Material Descript M Unadjusted Ba Mixed materi No adjustmer	n Rating: NA c Rating: NA iption: NA laneuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicab	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000	0 Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Cycle Time Factors Material: Stockpile: Truck Ownership:	Number ls: s. Job Condition within this Basi Material Descri	n Rating: NA c Rating: NA iption: NA laneuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicate hership of trucks and laneures.	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	0	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number ls: s. Job Condition within this Basi Material Descri M Unadjusted Ba Mixed materi No adjustmer Common own Constant open	n Rating: NA c Rating: NA iption: NA laneuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicate the ration -0.04	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	0 .625 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Cycle Time Factors Material: Stockpile: Truck Ownership:	Number ls: s. Job Condition within this Basi Material Descri	n Rating: NA c Rating: NA iption: NA laneuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicate nership of trucks and laneuton -0.04 et 0.00	ole (load, dump, noble 0.00	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number ls: s. Job Condition within this Basi Material Descri M Unadjusted Ba Mixed materi No adjustmer Common own Constant open	n Rating: NA c Rating: NA iption: NA laneuver: NA laneuve	ole 0.00 oaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number ls: s. Job Condition within this Basi Material Descri M Unadjusted Ba Mixed materi No adjustmer Common own Constant open	n Rating: NA c Rating: NA iption: NA laneuver: NA lasic Loader Cycle Time al 0.02 nt - factor not applicate nership of trucks and laneuring of trucks	e (load, dump, noble 0.00 oaders -0.04 e Adjustment: r Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number ls: s. Job Condition within this Basi Material Descri M Unadjusted Ba Mixed materi No adjustmer Common own Constant open	n Rating: NA c Rating: NA iption: NA laneuver: NA lasic Loader Cycle Time al 0.02 nt - factor not applicate nership of trucks and laneuring of trucks	ole 0.00 oaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number ls: s. Job Condition within this Basic Material Descript M Unadjusted Basic Mixed materi No adjustmer Common own Constant open Nominal targ	n Rating: NA c Rating: NA iption: NA laneuver: NA lasic Loader Cycle Time al 0.02 nt - factor not applicate nership of trucks and laneuring of trucks	e (load, dump, noaders -0.04) e Adjustment: r Cycle Time: me per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number ls: s. Job Condition within this Basi Material Descri M Unadjusted Ba Mixed materi No adjustmer Common own Constant open Nominal targ	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicate nership of trucks and interesting of tr	e Adjustment: The Cycle Time: The per Truck: Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	O.625 min Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders— Cycle Time Elements (min.) Load: NA Wheel and Track Loaders— Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time:	Number ls: s. Job Condition within this Basic Material Description Unadjusted Basic Mixed materi No adjustment Common own Constant open Nominal targe 1.795	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicate nership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loade Net Load Time Minutes	e (load, dump, noaders -0.04 e Adjustment: r Cycle Time: me per Truck: Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	

	Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
ſ	1	2868.00	-2.00	3.00	1.00	3503	1.348

Haul Time: 1.348 minutes

Return Route:

Ketuiii Ke	Return Route.								
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)			
1	2868.00	2.00	3.00	5.00	3296	1.240			

Return Time: 1.240 minutes
Total Truck Cycle Time: 6.420 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 657.98 LCY/Hour Adjusted for job efficiency: 546.12 LCY/Hour

Optimal No. of Trucks: _____ 2 ___ Truck(s) Selected Number of Trucks: ____ 2 ___ Truck(s)

Adjusted hourly truck team production: 1,092.25 LCY/Hour

Adjusted hourly truck team production: 1,092.25 LCY/Hour Adjusted single truck/loader team production: 1,092.25 LCY/Hour Adjusted multiple truck/loader team production: 1,092.25 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 45.86 Hours

Unit cost: \$1.957 /LCY Total job cost: **\$98,028**

Task description:	SGVLF	- Topsoil - Lift 6	- Transport			
Site: Cresson Projec	t	Permit Actio	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE	NTIFICATION	I				
Task #:A110	07	State: <u>Colora</u> County: Teller	do	Ab	breviation: No. A1	ne 107
User: ERR						
Agency of	or organization nar	me: DRMS				
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: <u>1 per day</u>	
	Truck Loader Tea		Equipment Descri 777F	ption		
	Truck Loader Tea	-Loader: CAT	Г 992К			
Sup	port Equipment -I	Load Area: Cat : NA	D10T - 10SU			
Road N	ط- Maintenance –Mot		Γ 16M			
-	-Wa	ater Truck: Wat	er Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team	Support I	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	NA \$0.00	NA NA	NA \$0.00	NA \$0.00
Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3	1	1	0	1	1
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team co	ost/hour: \$2,514.	68				
MATERIAL QI	UANTITIES					
Initial volume Loose volume		CCY LCY	Swell	factor: 1.215		
	ource of estimated		CC&V Provided Iandbook	Estimate		
Source	Material Purch					
	To	otal Cost: \$0.00				
HOURLY PRO	<u>ODUCTION</u>					
Truck Capacity:						
Truck Payload (we			.			
Material Desc	weight: 1,600 cription: Top So	nil	Pounds/LCY			
	Payload: 200,00		Pounds			

	ni a				Page 2 01 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Fina	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Puol	xet Size Class: N	Γ.Δ.	
Potad Conscitus	16 000	LCY (heaped)	Buck	tet Size Class. N	A	
Rated Capacity: Bucket Fill Factor:	16.000 1.100	Other - rock/dirt	miyturos (100	120%) 1 100		_
Adjusted Capacity:	17.600	LCY	illixtures (100	-120%) 1.100		_
Aujusteu Capacity.	17.000	LCI				
Job Condition Corrections	<u>:</u>	Site	e Altitude (ft.): 9	<u>9500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
N. G.	0.020	0.012				
Net Correction:	0.830	0.813				
Loading Tool Cycle Times	Number	r of Loading Tool Pas	ses Required to l	Fill Truck:	4	passes
	Number		ses Required to l	Fill Truck:	4	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time:	Number	r of Loading Tool Pass	ses Required to l	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time of Selected Value	Number vs. Job Condition within this Basi	r of Loading Tool Pass n Rating: NA c Rating: NA	ses Required to l	Fill Truck:	4	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time:	Number vs. Job Condition within this Basi Material Descr	r of Loading Tool Pass n Rating: NA c Rating: NA	ses Required to l	Fill Truck:	4	passes
Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders –	Number Nu	r of Loading Tool Pass n Rating: NA c Rating: NA	ses Required to l	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.)	Number vs. Job Condition within this Basi Material Descr :	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA		Dump: 0.100)	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA	Number vs. Job Condition within this Basi Material Description Material Material	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA		Dump: 0.100)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Number Ves. Job Condition Within this Basi Material Description Material Description Unadjusted Ba	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Number Version Services Version Services Version Services Version Services Version Services Note The Normal	r of Loading Tool Passon Rating: NA c Rating: NA iption: Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicab	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000	.625 min Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Ves. Job Condition Within this Basi Material Descr Unadjusted Basi Mixed materi No adjustmer Common own	n Rating: NA c Rating: NA iption: NA Maneuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicab nership of trucks and I	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Ves. Job Condition within this Basi Material Describe Unadjusted Basi Mixed materi No adjustmer Common own Constant oper	n Rating: NA c Rating: NA iption: NA asic Loader Cycle Time ial 0.02 nt - factor not applicabenership of trucks and I ration -0.04	ne (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Ves. Job Condition Within this Basi Material Descr Unadjusted Basi Mixed materi No adjustmer Common own	n Rating: NA	ole 0.00	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Ves. Job Condition within this Basi Material Describe Unadjusted Basi Mixed materi No adjustmer Common own Constant oper	n Rating: NA c Rating: NA iption: NA Maneuver: NA ial 0.02 nt - factor not applicability of trucks and I ration -0.04 et 0.00 Net Cycle Time	ole 0.00 loaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Ves. Job Condition within this Basi Material Describe Unadjusted Basi Mixed materi No adjustmer Common own Constant oper	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicable nership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	ole 0.00 loaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Ves. Job Condition within this Basi Material Describe Unadjusted Basi Mixed materi No adjustmer Common own Constant oper	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicable nership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	ne (load, dump, no loaders -0.04 loaders -0.04 loaders - r Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Sels: Ves. Job Condition within this Basi Material Describing: Unadjusted Basi Mixed material No adjustmer Common own Constant open Nominal targ	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicable nership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	e (load, dump, note of the 0.00 loaders -0.04 loaders -0.04 loaders r Cycle Time: me per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes — — —
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number Number Number No. Job Condition within this Basi Material Describing Material Describing No. Mixed material No. adjustment Common own Constant open Nominal targetics.	n Rating: NA c Rating: NA iption: NA Masic Loader Cycle Time ial 0.02 nt - factor not applicable nership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loade Net Load Time	ne (load, dump, no loaders -0.04 loaders -0.04 loaders - Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time:	Number Sels: 7s. Job Condition within this Basi Material Describes: - Unadjusted Basi Mixed material No adjustment Common own Constant open Nominal targ	n Rating: NA c Rating: NA iption: NA Masic Loader Cycle Time ial 0.02 nt - factor not applicabe nership of trucks and I ration -0.04 et 0.00 Net Cycle Time Adjusted Loade Net Load Time Minutes	ne (load, dump, no loaders -0.04 loaders -0.	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3821.00	-4.20	3.00	-1.20	3503	1.174

Haul Time: 1.174 minutes

Return Route:

1 CCC COLLIN TO	Return Route.							
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)		
1	3821.00	4.20	3.00	7.20	2398	1.806		

Return Time: 1.806 minutes
Total Truck Cycle Time: 6.812 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

620.12 LCY/Hour Adjusted for job efficiency: 514.70 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,544.09 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **64.57** Hours

Unit cost: \$1.888 /LCY Total job cost: **\$162,374**

Site: Cresson Project		Permit Acti	on: 2025 Update M1980244		Permit/Job#: <u>M</u>	1980244
PROJECT IDEN	TIFICATION					
Task #: <u>A1108</u>		State: Color		Ab	breviation: No	
Date: <u>6/29/2</u> User: ERR	025	County: Teller	•		Filename: A1	108
	organization nan	ne: DRMS				
Agency of	organization nan	ic. DKWIS				
HOURLY EQUI	PMENT COST	<u> </u>		Shift bas	is: 1 per day	
			Equipment Descri	ption		
Т	ruck Loader Tea		: 777F .T 992K			
Suppo	ort Equipment -L		D10T - 10SU			
		imp Area: NA				
Road Ma	aintenance –Moto -Wa		T 16M ter Tanker, 7,000	Gal.		
		77.0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Cost Breakdown:	Truck/Loa Truck	der Team Loader	Support Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
6 Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
ipper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	3 W. 1.	<u></u>	1	0	1	0252.41
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team cos	t/hour: \$2,514. 6	<u> </u>				
MATERIAL QU	ANTITIES					
Initial volume:		CCY	/ Swell	factor: 1.215		
Loose volume:				<u> 1.215</u>		
Soi	arce of estimated	volume: 2022	2 CC&V Provided	Estimate		
	of estimated swe	ll factor: Cat	Handbook			
	Material Purcha					
	10	tal Cost:\$0.0	U			
HOURLY PRO	DUCTION					
Truck Capacity:						
Truck Payload (weight	ght) Basis:					
Material w		**	Pounds/LCY	-		
Descri Rated Pa	·		Pounds			
Raieu Fa	y10au. 200,00	J	roulius			

					Page 2 01 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Fina	l Truck Volume	Based on Number of l	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Dual	tet Size Class: N	Α.	
Patad Canacity	16 000	LCY (heaped)	Buck	let Size Class. N	A	
Rated Capacity: Bucket Fill Factor:	16.000 1.100	Other - rock/dirt	mivtures (100	120%) 1 100		_
Adjusted Capacity:	17.600	LCY	illixtures (100	-120%) 1.100		_
Aujusted Capacity.	17.000					
Job Condition Corrections	<u>:</u>	Site	Altitude (ft.): 9	2500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
			1			
Loading Tool Cycle Time	<u>-</u> '	r of Loading Tool Pass	es Required to l	Fill Truck:	41	passes
Excavators and Front Shove	els:	r of Loading Tool Pass	es Required to l	Fill Truck:	4	passes
Excavators and Front Shove Machine Cycle Time	els:	r of Loading Tool Pass n Rating: <u>NA</u>	es Required to l	Fill Truck:		passes
Excavators and Front Shove Machine Cycle Time	els: vs. Job Condition within this Basi	r of Loading Tool Pass n Rating: NA c Rating: NA	es Required to l	Fill Truck:	4	passes
Excavators and Front Shove Machine Cycle Time Selected Value	els: vs. Job Condition within this Basi Material Descr	r of Loading Tool Pass n Rating: NA c Rating: NA	es Required to l	Fill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders -	els: ys. Job Condition within this Basi Material Descript:	r of Loading Tool Pass n Rating: NA c Rating: NA	es Required to l	Fill Truck: Dump:0.100		passes
Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.)	els: vs. Job Condition within this Basi Material Descr :	n Rating: NA		Dump: 0.100		
Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors	els: vs. Job Condition within this Basi Material Descr : M Unadjusted Ba	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA Ianeuver: NA		Dump: 0.100		
Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material:	els: vs. Job Condition within this Basi Material Descr : M - Unadjusted Ba Mixed materi	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time	e (load, dump, n	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020	.625 min Source (Cat HB)	
Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	els: vs. Job Condition within this Basi Material Descr : M - Unadjusted Ba Mixed materi No adjustmer	n Rating: NA c Rating: NA iption: NA Isic Loader Cycle Time Ial 0.02 nt - factor not applicab	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000	.625 min Source (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	els: ys. Job Condition within this Basi Material Descr : M - Unadjusted Ba Mixed materi No adjustmer Common own	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicab nership of trucks and le	e (load, dump, n	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	els: ys. Job Condition within this Basi Material Describe Unadjusted Basi Mixed materi No adjustmer Common own Constant oper	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and learation -0.04	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	els: ys. Job Condition within this Basi Material Descr : M - Unadjusted Ba Mixed materi No adjustmer Common own	n Rating: NA c Rating: NA iption: NA laneuver: NA laneuve	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	els: ys. Job Condition within this Basi Material Describe Unadjusted Basi Mixed materi No adjustmer Common own Constant oper	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Ial 0.02 Int - factor not applicable Inership of trucks and legation -0.04 et 0.00 Net Cycle Time	le 0.00 Daders -0.04 Adjustment:	Dump: 0.100 naneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	els: ys. Job Condition within this Basi Material Describe Unadjusted Basi Mixed materi No adjustmer Common own Constant oper	n Rating: NA c Rating: NA iption: NA laneuver: NA laneuve	e (load, dump, no le 0.00 paders -0.04 le Adjustment: Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	els: ys. Job Condition within this Basi Material Describe Unadjusted Basi Mixed materi No adjustmer Common own Constant oper	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time al 0.02 nt - factor not applicab nership of trucks and le ration -0.04 et 0.00 Net Cycle Time Adjusted Loader	e (load, dump, no le 0.00 paders -0.04 le Adjustment: Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	els: vs. Job Condition within this Basi Material Descr : Unadjusted Ba Mixed materi No adjustmer Common own Constant oper Nominal targ	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time al 0.02 nt - factor not applicab nership of trucks and le ration -0.04 et 0.00 Net Cycle Time Adjusted Loader	e (load, dump, no le 0.00 le 0.04 le Adjustment: Cycle Time: le per Truck:	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes — — —
Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	els: /s. Job Condition within this Basi Material Description: Modulated Basi Mixed materi No adjustment Common own Constant open Nominal targ	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Ial 0.02 Int - factor not applicable Intership of trucks and le Intership of truc	e (load, dump, no le 0.00 paders -0.04 le Adjustment: Cycle Time: ne per Truck: Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	
Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time: Truck Exchange Time	els: vs. Job Condition within this Basi Material Describing: Unadjusted Basi Mixed material No adjustmer Common own Constant oper Nominal targ	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and le ration -0.04 et 0.00 Net Cycle Time Adjusted Loader Net Load Time Minutes	e (load, dump, note of the load, dump, note of the loa	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2908.00	-8.90	3.00	-5.90	1870	1.713

Return Route:

Seg # Haul Distance Grade (%) Roll. Res Total Res Velocity Travel

Time

 Seg #
 Haul Distance (Ft)
 Grade (%)
 Roll. Res (%)
 Total Res (%)
 Velocity (fpm)
 Travel Time (min)

 1
 2908.00
 8.90
 3.00
 11.90
 1628
 1.918

Return Time: 1.918 minutes
Total Truck Cycle Time: 7.463 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

566.02 LCY/Hour Adjusted for job efficiency: 469.80 LCY/Hour

Optimal No. of Trucks: _____ 3 ___ Truck(s) Selected Number of Trucks: ____ 3 ___ Truck(s)

Adjusted hourly truck team production: 1,409.39 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

Total job cost: \$126,190

JOB TIME AND COST

Unit cost: \$1.888 /LCY

Fleet size: _____1 Team(s) Total job time: _____50.18 Hours

Task description:	SGVLF	- Topsoil - Lift 8	3 - Transport			
Site: Cresson Project		Permit Action	2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN		•		A.1.	1	
Task #: <u>A110</u> Date: 6/29/2	<u> </u>	State: <u>Colora</u> County: Teller	ado	Ab	breviation: No Filename: A1	ne 109
User: ERR	2023	County. Tener			Thename. At	109
Agency or	organization nar	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>r</u>		Shift bas	is: <u>1 per day</u>	
			Equipment Descri	ption		
7	Гruck Loader Tea		777F Г 992K			
Supr	ort Equipment -L		D10T - 10SU			
		ump Area: NA				
Road M	Iaintenance –Mot		Т 16М			
	-Wa	ter Truck: Wat	ter Tanker, 7,000	Gal.		
Cost Breakdown:		ader Team		Equipment		ice Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
% Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
% Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA *25.24	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Operator cost/hour: Unit Subtotals:	\$25.24	\$36.85	\$38.59	NA NA	\$27.76 \$237.06	\$21.12
Number of Units:	\$377.15	\$537.91	\$492.91	NA 0		\$115.35
	Waster	\$1,660.26	1	0	1 Maint:	6252.41
Group Subtotals:	Work:	\$1,669.36	Support:	\$492.91	Maint:	\$352.41
Total work team co	st/hour: \$2,514.	68				
MATERIAL QU	ANTITIES					
Initial volume	: 48,228	CCY	Swell	factor: 1.215		
Loose volume	: 58,59	7 LCY				
So	ource of estimated	volume: 2022	CC&V Provided	Estimate		
Source	e of estimated swe		Handbook			
	Material Purch					
	10	otal Cost:\$0.00)			
HOURLY PRO	DUCTION					
Truck Capacity:						
Truck Payload (wei						
Material v			Pounds/LCY	-		
	ription: Top So		Dougda			
Rated Pa	ayload: <u>200,00</u>	U	Pounds			

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Puol	rot Siza Class	NΑ	
Rated Capacity:	16.000	LCY (heaped)	Виск	tet Size Class: _	NA	_
Bucket Fill Factor:	1.100		t mixtures (100-	120%) 1 100		=
Adjusted Capacity:	17.600	LCY	t illixtures (100	-120/0) 1.100		-
Adjusted Capacity.	17.000	LC1				
Job Condition Corrections	<u>:</u>	Sit	te Altitude (ft.): 9	<u>1500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
		I				
Loading Tool Cycle Time:	Numbe	r of Loading Tool Pas	sses Required to I	Fill Truck:	4 r	oasses
Loading Tool Cycle Time: Excavators and Front Shove		r of Loading Tool Pas	sses Required to I	Fill Truck:	4 F	oasses
	<u>ls:</u> s. Job Conditio	on Rating: <u>NA</u>	sses Required to I	Fill Truck:	4 F	asses
Excavators and Front Shove Machine Cycle Time v	ls: s. Job Conditio within this Basi	on Rating: NA NA NA	sses Required to I	Fill Truck:	4 r	oasses
Excavators and Front Shove Machine Cycle Time v Selected Value	ls: s. Job Conditio within this Basi Material Descr	on Rating: NA NA NA	sses Required to I	Fill Truck:	4F	oasses
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders –	ls: s. Job Conditio within this Basi Material Descr	on Rating: NA NA NA	sses Required to I		100	passes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	ls: s. Job Conditio within this Basi Material Descr	on Rating: NA		Dump: 0.1		
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	ls: s. Job Conditio within this Basi Material Descr	on Rating: NA		Dump: 0.1	100 0.625 minu	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders –	ls: s. Job Conditio within this Basi Material Descr	on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Tin		Dump: 0.1	100 0.625 minu	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors	ls: s. Job Conditio within this Basi Material Descr M Unadjusted Basi Mixed mater	on Rating: NA ic Rating: NA ic Rating: NA iription: NA is asic Loader Cycle Tinuial 0.02 it - factor not applical	ne (load, dump, n	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000	100 0.625 minu Source	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership:	s. Job Condition within this Basis Material Description Mutual Description Unadjusted Basis Mixed mater No adjustment Common ow	on Rating: NA	ne (load, dump, n	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040	0.625 minu Source (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s. Job Conditions within this Basis Material Description Material Description Material Description Mixed Basis Mixed material No adjustment Common ow Constant ope	on Rating: NA ic Rating: NA ic Rating: NA in Italian ic Rating: NA in Italian ic Rating: NA ic Ration ic R	ne (load, dump, n	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040	0.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership:	s. Job Condition within this Basis Material Description Mutual Description Unadjusted Basis Mixed mater No adjustment Common ow	on Rating: NA ic Rating: NA ic Rating: NA ic Rating: NA inpution: NA i	ne (load, dump, n	Dump:0.1 naneuver): Factor (min.)	0.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s. Job Conditions within this Basis Material Description Material Description Material Description Mixed Basis Mixed material No adjustment Common ow Constant ope	on Rating: NA	ne (load, dump, n ble 0.00 loaders -0.04	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s. Job Conditions within this Basis Material Description Material Description Material Description Mixed Basis Mixed material No adjustment Common ow Constant ope	on Rating: NA	ne (load, dump, n ble 0.00 loaders -0.04 ne Adjustment:	Dump:0.1 naneuver): Factor (min.)	0.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	s. Job Conditions within this Basis Material Description Material Description Material Description Mixed Basis Mixed material No adjustment Common ow Constant ope	on Rating: NA	ne (load, dump, n ble 0.00 loaders -0.04	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	s. Job Conditions within this Basis Material Description Material Description Material Description Mixed Basis Mixed mater No adjustment Common ow Constant open Nominal targets.	on Rating: NA ic Rating: NA iption: Maneuver: NA asic Loader Cycle Tin ial 0.02 nt - factor not applical nership of trucks and ration -0.04 get 0.00 Net Cycle Tim Adjusted Loade Net Load Ti	ne (load, dump, n ble 0.00 loaders -0.04 ne Adjustment: er Cycle Time: ime per Truck:	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	iites
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time	s. Job Condition within this Basis Material Description Material Description Material Description Mixed Material Mixed Material Mixed Material Common ow Constant open Nominal targetics:	on Rating: NA	ne (load, dump, no loaders -0.04 loaders -0.	Dump:	0.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes minutes 0.800	ites
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	s. Job Condition within this Basis Material Description Material Description Material Description Mixed mater No adjustment Common ow Constant open Nominal targetter 1.795	on Rating: NA ic Rating: NA iption: Maneuver: NA asic Loader Cycle Tin ial 0.02 nt - factor not applical nership of trucks and ration -0.04 get 0.00 Net Cycle Tim Adjusted Loade Net Load Ti	ne (load, dump, n ble 0.00 loaders -0.04 ne Adjustment: er Cycle Time: ime per Truck: Adjusted Adjusted	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.800 1.832	utes

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4903.00	-7.30	3.00	-4.30	2545	2.028

Task # A1109

Haul Time: 2.028 minutes

Return Route:

IXCUITI IXC	Juic.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4903.00	7.30	3.00	10.30	1789	2.878

Return Time: 2.878 minutes
Total Truck Cycle Time: 8.738 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production

_____483.43 LCY/Hour Adjusted for job efficiency: ____401.24 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 1,203.73 LCY/Hour Adjusted single truck/loader team production: 1,203.73 LCY/Hour Adjusted multiple truck/loader team production: 1,203.73 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 48.68 Hours

Unit cost: \$2.089 /LCY Total job cost: **\$122,413**

Task description:	SGVLF	- Topsoil - Lift 9	- Transport			
Site: Cresson Project		Permit Actio	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	TIFICATION					
Task #: A1110 Date: 6/29/2 User: ERR		State: Colora County: Teller	do	Ab	breviation: No. A1	ne 110
Agency or	organization nan	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>r</u>		Shift bas	is: 1 per day	
			Equipment Descri	ption		
I	Truck Loader Tea		777F Г 992 К			
Supp	ort Equipment -L	oad Area: Cat	D10T - 10SU			
Pood M	-Du aintenance –Mote	imp Area: NA	Г 16М			
Koau M			er Tanker, 7,000	Gal.		
G (P 11	TD 1.07		Q		3.6.1.	
Cost Breakdown:	Truck/Loa Truck	Loader Loader	Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
6Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
% Utilization-riper:	NA NA	\$0.00	NA \$0.00	NA NA	NA \$0.00	NA \$0.00
Ripper own. cost/hour: Ripper op. cost/hour:	NA NA	\$0.00	\$0.00 \$0.00	NA NA	\$0.00	\$0.00 \$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	4	1	1	0	1	1
Group Subtotals:	Work:	\$2,046.51	Support:	\$492.91	Maint:	\$352.41
Total work team cos	st/hour: \$2,891.	33				
MATERIAL QU	<u>ANTITIES</u>					
Initial volume: Loose volume:		CCY 6 LCY	Swell	factor: 1.215		
	urce of estimated of estimated swe Material Purch To	ll factor: Cat H		Estimate		
HOURLY PRO	DUCTION					
Truck Capacity: Truck Payload (weight)	ght) Basis:					
Material w		il	Pounds/LCY	•		
Rated Pa			Pounds			

Truck Bouder Worksheet Con	ı u	1 usk # 711110			1 age 2 of 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:	60.60	LCV				
Struck Volume:		LCY				
Heaped Volume: Average Volume:		LCY LCY				
Adjusted Volume:		LCY				
rajusted volume.	70.00	LC I				
Final '	Γruck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Donal	ant Cian Classe N	AT A	
Rated Capacity:	16.000	LCY (heaped)	Buck	ket Size Class: N	NA	_
Bucket Fill Factor:	1.100	Other - rock/dirt	mixtures (100-	-120%) 1.100		_
Adjusted Capacity:	17.600	LCY				_
Job Condition Corrections:		Sit	e Altitude (ft.): 9	9500 feet		
	1		1	<u> </u>		
Altitude Adj:	Truck 1.000	Loader 0.980	Source (CAT HB	``		
Job Efficiency:	0.830	0.830	(CAT HB			
_			(CITI IID	,		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	of Loading Tool Pas	ses Required to I	Fill Truck:	4	passes
Excavators and Front Shovels	<u>s:</u>					
Machine Cycle Time vs Selected Value w						
Track Loaders – I	Material Descri	iption:				
Cycle Time Elements (min.):						
Load: NA	M	Ianeuver: NA		Dump: 0.10	0	
Wheel and Track Loaders -	Unadjusted Ba	sic Loader Cycle Tin	ne (load, dump, n	naneuver):(0.625 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materi	al 0.02		0.020	(Cat HB)	_
Stockpile:	No adjustmen	nt - factor not applicat	ole 0.00	0.000	(Cat HB)	_
Truck Ownership:		nership of trucks and	loaders -0.04	-0.040	(Cat HB)	_
Operation:	Constant oper			-0.040	(Cat HB)	_
Dump Target:	Nominal targe			0.000	(Cat HB)	_
		Net Cycle Tim	_	-0.060	minutes	
		Adjusted Loade	r Cycle 11me: _ me per Truck:	0.565 1.795	minutes minutes	
		NEI LUAU II	ine per fruck	1./73	minutes	
Truck Cycle Time:						
Truck Exchange Time:	0.80	Minutes	Adjusted	for site altitude:	0.800	Minute
Truck Load Time:	1.795	Minutes	Adjusted	for site altitude:	1.832	Minute
ck Maneuver and Dump Time:	1.20	Minutes	Adjusted	for site altitude:	1.200	Minute
•		_	J	_		_

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	5285.00	-8.70	3.00	-5.70	1870	2.975

Haul Time: 2.975 minutes

Return Route:

Return Route.								
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)		
1	5285.00	8.70	3.00	11.70	1628	3.372		

Return Time: 3.372 minutes
Total Truck Cycle Time: 10.179 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 414.99 LCY/Hour Adjusted for job efficiency: 344.44 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 1,377.76 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **39.49** Hours

Unit cost: \$2.171 /LCY Total job cost: **\$114,191**

Wutilization-riper:	Task description:	SGVLF	- Topsoil - Lift 1	0 - Transport			
Task #: A1111	Site: Cresson Project		Permit Action			Permit/Job#: M	1980244
User: ERR Agency or organization name: DRMS			-	ado	Ab	breviation: No	ne
Agency or organization name: DRMS		2025	County: Teller			Filename: A1	111
HOURLY EQUIPMENT COST			DDMC				
Equipment Description Cat 777F	Agency of	r organization nar	ne: DRMS				
Truck Loader Team - Truck:	HOURLY EQUI	PMENT COST	<u>r</u>		Shift bas	is: 1 per day	
CAT 992K					ption		
Support Equipment - Load Area: -Dump Area: NA NA		Fruck Loader Tea					
Road Maintenance	Supp	ort Equipment -L					
Cost Breakdown: Truck/Loader Team Support Equipment Maintenare Equipment		-Di	ump Area: NA	7.463.6			
Cost Breakdown: Truck/Loader Team Support Equipment Maintenance Equipment %Utilization-machine: 100 100 100 NA 25 25 Ownership cost/hour: \$199.47 \$270.75 \$257.39 NA \$179.39 \$73.42 Operating cost/hour: \$152.44 \$230.31 \$196.93 NA \$29.91 \$20.80 %Utilization-riper: NA 0 NA NA \$29.91 \$20.80 %Utilization-riper: NA 0 NA NA \$29.91 \$20.80 %Utilization-riper: NA \$0.00 \$0.00 NA NA \$29.91 \$20.80 %Utilization-riper: NA \$0.00 \$0.00 NA \$0.00 \$0.00 Ripper own. cost/hour: NA \$0.00 \$0.00 NA \$0.00 \$0.00 Operator cost/hour: \$25.24 \$36.85 \$38.59 NA \$237.06 \$211.2 Unit Subtotals: \$377.15 \$537.91 \$492.91 NA	Road M				Gal.		
Truck Loader Load Area Dump Area Motor Grader Water Truck Water Water Truck Water				14111101, 7,000			
Ownership cost/hour: \$199.47 \$270.75 \$257.39 NA \$179.39 \$73.42 Operating cost/hour: \$152.44 \$230.31 \$196.93 NA \$29.91 \$20.80 % Utilization-riper: NA 0 NA NA NA NA Ripper own. cost/hour: NA \$0.00 \$0.00 NA \$0.00 \$0.00 Ripper op. cost/hour: NA \$0.00 \$0.00 NA \$0.00 \$0.00 Operator cost/hour: \$25.24 \$36.85 \$38.59 NA \$27.76 \$21.12 Unit Subtotals: \$377.15 \$537.91 \$492.91 NA \$237.06 \$115.35 Number of Units: 4 1 1 1 0 1 1 1 Group Subtotals: Work: \$2,046.51 Support: \$492.91 Maint: \$352.41 *** District Support: \$46,892 LCY Swell factor: 1.215 ** Source of estimated swell factor: \$0.00 \$0.00	Cost Breakdown:						
Superating cost/hour: \$152.44 \$230.31 \$196.93 NA \$29.91 \$20.80	% Utilization-machine:	100	100	100	NA	25	25
Wutilization-riper: NA	Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Ripper own. cost/hour:			\$230.31	·			\$20.80
Ripper op. cost/hour: NA \$0.00 \$0.00 NA \$0.00 \$0.00	•						NA
Operator cost/hour: \$25.24				·			
Unit Subtotals: \$377.15 \$537.91 \$492.91 NA \$237.06 \$115.35				·		· ·	
Number of Units: 4 1 1 0 1 1 Group Subtotals: Work: \$2,046.51 Support: \$492.91 Maint: \$352.41 Total work team cost/hour: \$2,891.83 MATERIAL QUANTITIES Initial volume: 38,594 CCY Swell factor: 1.215 Loose volume: 46,892 LCY LCY Source of estimated volume: 2022 CC&V Provided Estimate Cat Handbook \$0.00 Waterial Purchase Cost: \$0.00 \$0.00 \$0.00 HOURLY PRODUCTION Truck Capacity: Truck Payload (weight) Basis: Material weight: Jeff On Pounds/LCY Description: Top Soil	*	•		·			· ·
Group Subtotals: Work: \$2,046.51 Support: \$492.91 Maint: \$352.41 Total work team cost/hour: \$2,891.83 MATERIAL QUANTITIES Initial volume: 38,594 CCY Swell factor: 1.215 Loose volume: 46,892 LCY Source of estimated volume: Source of estimated swell factor: Material Purchase Cost: Total Cost: \$0.00 HOURLY PRODUCTION Truck Capacity: Truck Payload (weight) Basis: Material weight: 1,600 Pounds/LCY Description: Top Soil		<u> </u>				·	-
Total work team cost/hour: \$2,891.83 MATERIAL QUANTITIES Initial volume: 38,594							
MATERIAL QUANTITIES Initial volume: 38,594	-			11			
Initial volume: 38,594	Total work team co	st/110u1. <u>\$2,091.</u>	<u> </u>				
Loose volume: Source of estimated volume: Source of estimated swell factor: Material Purchase Cost: Total Cost: Total Cost: Truck Capacity: Truck Payload (weight) Basis: Material weight: Description: Top Soil LCY 2022 CC&V Provided Estimate Cat Handbook \$0.00 \$0.00 Pounds/LCY	MATERIAL QU	ANTITIES					
Loose volume: Source of estimated volume: Source of estimated swell factor: Material Purchase Cost: Total Cost: White the state of estimated swell factor: What is a contract of estimated swell factor: Total Cost: What is a contract of estimated swell factor: Cat Handbook \$0.00 White the state of estimate Source of estimated volume: Cat Handbook \$0.00 White the state of estimate For Source of estimated volume: An example of estimate Pounds/LCY Pounds/LCY Pounds/LCY Top Soil	Initial volume	: 38,594	CCY	Swell	factor: 1.215		
Source of estimated swell factor: Material Purchase Cost: Total Cost: Whereas a specific content of the state of the sta							
Material Purchase Cost: \$0.00 Total Cost: \$0.00 HOURLY PRODUCTION Truck Capacity: Truck Payload (weight) Basis: Material weight: 1,600 Description: Top Soil	Sc	ource of estimated	volume: 2022	CC&V Provided	Estimate		
Total Cost: \$0.00 HOURLY PRODUCTION Truck Capacity: Truck Payload (weight) Basis: Material weight: 1,600 Pounds/LCY Description: Top Soil	Source						
HOURLY PRODUCTION Truck Capacity: Truck Payload (weight) Basis: Material weight: 1,600 Pounds/LCY Description: Top Soil							
Truck Capacity: Truck Payload (weight) Basis: Material weight: 1,600 Pounds/LCY Description: Top Soil		10	<i>γ</i> ιμι Cost. <u>ψ0.00</u>	,			
Truck Payload (weight) Basis: Material weight: 1,600 Pounds/LCY Description: Top Soil	HOURLY PRO	DUCTION					
Truck Payload (weight) Basis: Material weight: 1,600 Pounds/LCY Description: Top Soil	Truck Capacity:						
Description: Top Soil	Truck Payload (wei						
			•1	Pounds/LCY	•		
				Pounds			

Payload Capacity:	125.00	LCY	7			
Truck Bed (volume) Basis: Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Fin	al Truck Volum	e Based on Number	of Loader Passes:	70.40	LCY	
Loading Tool Capacity			D	1 C' Cl	NI A	
Rated Capacity:	16.000	LCY (heaped)	1	ket Size Class: _	NA	
Bucket Fill Factor:	1.100		irt mixtures (100	0-120%) 1.100		_
Adjusted Capacity:	17.600	LCY				
Job Condition Correction	<u>s:</u>	5	Site Altitude (ft.): 9	9500 feet		
	Truck	Loader	Source	:		
Altitude Adj:	1.000	0.980	(CAT HE	3)		
Job Efficiency:	0.830	0.830	(CAT HE	3)		
The management of the second o						
Net Correction:	0.830	0.813				
		0.813 er of Loading Tool P	asses Required to	Fill Truck:	<u>4</u> 1	passes
Net Correction: Loading Tool Cycle Time Excavators and Front Show	els:	er of Loading Tool P	asses Required to	Fill Truck:	41	passes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value	vels: vs. Job Condition within this Base	er of Loading Tool P on Rating: NA sic Rating: NA	Passes Required to	Fill Truck:	<u>4</u> 1	passes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value	els: Numberels: vs. Job Condition	er of Loading Tool P on Rating: NA sic Rating: NA	asses Required to	Fill Truck:	41	passes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value	vels: vs. Job Condition within this Base Material Desc	er of Loading Tool P on Rating: NA sic Rating: NA	Passes Required to	Fill Truck:	<u>4</u> 1	passes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders	vs. Job Condition within this Base Material Descent:	er of Loading Tool P on Rating: NA sic Rating: NA	Passes Required to	Fill Truck:		passes
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min	vels: vs. Job Condition within this Base Material Descript:	er of Loading Tool P on Rating: NA sic Rating: NA cription: NA		Dump: 0.1	00 0.625 min	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors	vs. Job Condition wels: vs. Job Condition within this Base Material Descent : - Material Descent : - Unadjusted Base	er of Loading Tool P on Rating: NA Sic Rating: NA cription: NA Maneuver: NA Basic Loader Cycle T		Dump: 0.1 maneuver): Factor (min.)	00 0.625 min	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material:	vs. Job Condition e within this Base Material Descent : - Unadjusted Base Mixed material	er of Loading Tool P on Rating: NA sic Rating: NA rription: NA Basic Loader Cycle T	ime (load, dump, 1	Dump: 0.1 maneuver): Factor (min.) 0.020	00 0.625 min Source (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	vs. Job Condition within this Base Material Desc : - Unadjusted B Mixed material No adjustment	er of Loading Tool P on Rating: NA sic Rating: NA cription: NA Maneuver: NA Basic Loader Cycle T rial 0.02 ent - factor not applic	ime (load, dump, 1	Dump: 0.1 maneuver): Factor (min.) 0.020 0.000	00 0.625 minus Source (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	vs. Job Condition within this Base Material Description Great Property of the	er of Loading Tool P on Rating: NA sic Rating: NA cription: NA Basic Loader Cycle T rial 0.02 ent - factor not applic	ime (load, dump, 1	Dump: 0.1 maneuver): Factor (min.) 0.020 0.000 -0.040	00	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	vs. Job Condition within this Base Material Desc):	er of Loading Tool P on Rating: NA sic Rating: NA cription: NA Basic Loader Cycle T rial 0.02 ent - factor not applic wnership of trucks an eration -0.04	ime (load, dump, 1	Dump: 0.1 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	vs. Job Condition within this Base Material Desc):	er of Loading Tool P on Rating: NA sic Rating: NA rription: NA Basic Loader Cycle T rial 0.02 ent - factor not applic vnership of trucks an eration -0.04 get 0.00	ime (load, dump, 1	Dump: 0.1 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	vs. Job Condition within this Base Material Desc):	er of Loading Tool P on Rating: NA sic Rating: NA Pription: NA Basic Loader Cycle T rial 0.02 ent - factor not applic vnership of trucks an eration -0.04 get 0.00 Net Cycle Ti	ime (load, dump, 1 cable 0.00 d loaders -0.04	Dump: 0.1 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	vs. Job Condition within this Base Material Desc):	on Rating: NA Sic Rating: NA Pription: NA Basic Loader Cycle T rial 0.02 ent - factor not applice vnership of trucks an eration -0.04 get 0.00 Net Cycle Ti Adjusted Loa	ime (load, dump, 1	Dump: 0.1 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	vs. Job Condition within this Base Material Desc):	on Rating: NA Sic Rating: NA Pription: NA Basic Loader Cycle T rial 0.02 ent - factor not applice vnership of trucks an eration -0.04 get 0.00 Net Cycle Ti Adjusted Loa	ime (load, dump, 1 cable 0.00 d loaders -0.04 ime Adjustment: der Cycle Time:	Dump: 0.1 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	vs. Job Condition within this Base Material Desc : - Material Desc : - Unadjusted B Mixed mater No adjustme Common ow Constant op Nominal tar	on Rating: NA Sic Rating: NA Pription: NA Basic Loader Cycle T rial 0.02 ent - factor not applice vnership of trucks an eration -0.04 get 0.00 Net Cycle Ti Adjusted Loa	cable 0.00 d loaders -0.04 ime Adjustment: der Cycle Time: Time per Truck:	Dump: 0.1 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	00 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Net Correction: Loading Tool Cycle Time Excavators and Front Show Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	vs. Job Condition within this Base Material Description Great Property of the Within this Base Material Description Great Property of the Within this Base Material Description Great Property of the Within this Base Material Description Great Property of the Within this Base Mixed material Description Great Property of the Within this Base Mixed material Description Great Property of the Within this Base Mixed material Description Great Property of the Within this Base Mixed material Description Great Property of the Within this Base Mixed material Description Great Property of the Within this Base Mixed material Description Great Property of the Within this Base Mixed material Description Great Property of the Within this Base Mixed material Description Common ow Constant open Nominal target The Within this Base Great Property of the Within this Base Great Property of the Within this Base Mixed material Description Great Property of the Within this Base Mixed material Description Great Property of the Within this Base Mixed material Description Great Property of the Within this Base Great Property of the Within this Ba	er of Loading Tool P on Rating: NA Sic Rating: NA Pription: NA Basic Loader Cycle T rial 0.02 ent - factor not applicate and the company of trucks and the company of trucks and the company of the cycle Tile Adjusted Load Net Load	ime (load, dump, i cable 0.00 d loaders -0.04 ime Adjustment: der Cycle Time: Time per Truck:	Dump: 0.1 maneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	O0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

	Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
Ī	1	7928.00	-7.10	3.00	-4.10	2545	3.279

Haul Time: 3.279 minutes

Return Route:

Keturii Koute.								
Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)		
1	7928.00	7.10	3.00	10.10	1789	4.563		

Return Time: 4.563 minutes
Total Truck Cycle Time: 11.674 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 361.84 LCY/Hour Adjusted for job efficiency: 300.33 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 1,201.31 LCY/Hour Adjusted single truck/loader team production: 1,201.31 LCY/Hour Adjusted multiple truck/loader team production: 1,201.31 LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____ 39.03 Hours

Unit cost: \$2.407 /LCY Total job cost: **\$112,879**

Task descrip	otion:	SGVLF	- Topsoil	- Lift 11	l - Transport				
Site: Cresson 1	ee: Cresson Project			nit Actio	n: 2025 Update M1980244		Permit/Job#: M1980244		
PROJECT	PROJECT IDENTIFICATION								
Task #:	A111	2	State:	Colorac	do	Ab	breviation: No	ne	
Date: 6/29/2025 County: Teller User: ERR							112		
Ag	gency of	r organization nar	ne: DRI	MS					
HOURLY EQUIPMENT COST Shift basis: 1 per day							is: 1 per day		
			_	Е	quipment Descri				
	r	Гruck Loader Tea		Cat 7	777F	I			
	Supr	oort Equipment -I	-Loader:		1992K D10T - 10SU				
	Supp	1 1	ump Area:	NA	2101 - 1030				
]	Road M	Iaintenance – Mot			16M	G 1			
		-W2	iter Truck:	Wate	er Tanker, 7,000 (Gal.			
Cost Break	down:	Truck/Lo	ader Team		Support I	Equipment	Maintenar	nce Equipment	
		Truck	Loader		Load Area	Dump Area	Motor Grader	Water Truck	
%Utilization-mac	hine:	100		100	100	NA	25	25	
Ownership cost/	hour:	\$199.47	\$2	70.75	\$257.39	NA	\$179.39	\$73.42	
Operating cost/		\$152.44	\$2:	30.31	\$196.93	NA	\$29.91	\$20.80	
%Utilization-	•	NA		0	NA	NA	NA	NA	
Ripper own. cost/		NA		\$0.00	\$0.00	NA	\$0.00	\$0.00	
Ripper op. cost/		NA		\$0.00	\$0.00	NA NA	\$0.00	\$0.00	
Operator cost/		\$25.24		36.85	\$38.59	NA NA	\$27.76	\$21.12	
Number of U		\$377.15	\$5.	37.91	\$492.91	NA 0	\$237.06 1	\$115.35	
Group Subt		Work:	\$2,423.6	1	Support:	\$492.91	Maint:	\$352.41	
				0	Support.	ψ492.91	Waint.	φ332.41	
Total work t	team co	st/hour: \$3,268.	<u> </u>						
MATERIA	AL QU	ANTITIES							
Initial	volume	: 38,532		CCY	Swell	factor: 1.215			
Loose			.6	LCY					
	Sc	ource of estimated	l volume:	2022	CC&V Provided	Estimate			
	Source	of estimated swe			andbook				
		Material Purch	ase Cost: otal Cost:	\$0.00					
		10	, Cost.	Ψ0.00					
HOURLY	PRC	<u>DUCTION</u>							
Truck Capa									
Truck Paylo					D 1.7.000				
M	aterial v	weight: $\frac{1,600}{\text{Top So}}$	vil		Pounds/LCY				
F	Rated Pa				Pounds				

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Ruck	tet Size Class:	NΔ	
Rated Capacity:	16.000	LCY (heaped)	Duck	et bize class.	IVA	_
Bucket Fill Factor:	1.100	Other - rock/dirt	mixtures (100	-120%) 1 100		_
Adjusted Capacity:	17.600	LCY	illixtures (100	120/0) 1.100		_
Adjusted Capacity.	17.000	LCI				
Job Condition Corrections	<u>L</u>	Sit	e Altitude (ft.): 9	<u>1500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
		0.012				
Loading Tool Cycle Time:		r of Loading Tool Pas	ses Required to I	Fill Truck:	4 1	oasses
Loading Tool Cycle Time: Excavators and Front Shove	Numbe		ses Required to I	Fill Truck:	4I	oasses
	Numbers 18: s. Job Conditio	r of Loading Tool Pas n Rating: NA	ses Required to I	Fill Truck:	4I	oasses
Excavators and Front Shove Machine Cycle Time v	Numbe ls: s. Job Conditio within this Basi	r of Loading Tool Pas n Rating: NA c Rating: NA	ses Required to I	Fill Truck:	4I	oasses
Excavators and Front Shove Machine Cycle Time v Selected Value	Numbers Number	r of Loading Tool Pas n Rating: NA c Rating: NA	ses Required to I	Fill Truck:	4I	oasses
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders –	Numbers ls: s. Job Condition within this Basin Material Descr	r of Loading Tool Pas n Rating: NA c Rating: NA	ses Required to I		100 I	oasses
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.):	Numbersels: s. Job Condition within this Basi Material Descr	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA		Dump: 0.2		
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.): Load: NA	Numbersels: s. Job Condition within this Basi Material Descr	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA		Dump: 0.2	100 0.625 min	
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders –	Numbersels: s. Job Condition within this Basi Material Descr	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA Ianeuver: NA		Dump: 0.3	100 0.625 min	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors	Numbersels: s. Job Condition within this Basion Material Descr Munadjusted Basion Mixed material	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicate	ne (load, dump, n	Dump: 0.2 naneuver): Factor (min.) 0.020 0.000	100 0.625 minu Source	
Excavators and Front Shove Machine Cycle Time v Selected Value of the Track Loaders — Cycle Time Elements (min.): Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbersels: s. Job Condition within this Basi Material Descr M Unadjusted Basi Mixed material No adjustment Common ow	r of Loading Tool Pas n Rating: NA c Rating: NA iption: NA faneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicate nership of trucks and	ne (load, dump, n	Dump: 0.2 naneuver): Factor (min.) 0.020 0.000 -0.040	0.625 minus Source (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbers Is: s. Job Condition within this Basis Material Descr M Unadjusted Basis Mixed material No adjustment Common ow Constant ope	n Rating: NA c Rating: NA iption: NA asic Loader Cycle Time In Inc. ial 0.02 nt - factor not application ration -0.04	ne (load, dump, n	Dump: 0.3 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040	0.625 minus Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value of the Track Loaders — Cycle Time Elements (min.): Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbersels: s. Job Condition within this Basi Material Descr M Unadjusted Basi Mixed material No adjustment Common ow	n Rating: NA CRATING: NA	ne (load, dump, n	Dump: 0 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.625 minus Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbers Is: s. Job Condition within this Basis Material Descr M Unadjusted Basis Mixed material No adjustment Common ow Constant ope	n Rating: NA c Rating: NA iption: NA asic Loader Cycle Time ial 0.02 at - factor not application ration -0.04 et 0.00 Net Cycle Time in Rating: NA asic Loader Cycle Time ial 0.02 at - factor not application ration rati	ne (load, dump, noble 0.00 loaders -0.04	Dump: 0.3 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.625 minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbers Is: s. Job Condition within this Basis Material Descr M Unadjusted Basis Mixed material No adjustment Common ow Constant ope	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	ne (load, dump, noble 0.00 loaders -0.04 loa	Dump: 0 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0.625 minus Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Numbers Is: s. Job Condition within this Basis Material Descr M Unadjusted Basis Mixed material No adjustment Common ow Constant ope	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Time Adjusted Loade	ne (load, dump, noble 0.00 loaders -0.04	Dump: 0.2 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Numbers States Numbers States No Adjusted Barron Own Constant ope Nominal targ	n Rating: NA c Rating: NA iption: NA Maneuver: NA ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loade Net Load Ti	ne (load, dump, noble 0.00 loaders -0.04 loa	Dump: 0.20 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	O.625 minutes minutes	ites
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders — Cycle Time Elements (min.): Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time: Truck Exchange Time	Numbers ls: s. Job Condition within this Basis Material Descript Munadjusted Basis Mixed material No adjustment Common ow Constant ope Nominal target: s. 0.80	n Rating: NA c Rating: NA iption: NA Maneuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Time Adjusted Loade Net Load Ti Minutes	ne (load, dump, noble 0.00 loaders -0.04 loaders - Cycle Time: me per Truck: Adjusted	Dump:	0.625 minutes minutes 0.800	utes
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number ls: s. Job Condition within this Basi Material Description Material Description Mixed material No adjustment Common own Constant open Nominal target in the constant op	n Rating: NA c Rating: NA iption: NA Maneuver: NA ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Tim Adjusted Loade Net Load Ti	ne (load, dump, noble 0.00 loaders -0.04 loaders -0.04 loaders -me per Truck:	Dump: 0.20 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.800 1.832	

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Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	7725.00	-8.50	3.00	-5.50	1870	4.348

Haul Time: **4.348** minutes Return Route: Total Res Travel Seg# Haul Distance Grade (%) Roll. Res Velocity Time (Ft) (%) (%) (fpm) (min) 7725.00 8.50 3.00 11.50 1628 4.865

Return Time: 4.865 minutes
Total Truck Cycle Time: 13.045 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 323.81 LCY/Hour Adjusted for job efficiency: 268.76 LCY/Hour

Optimal No. of Trucks: _____5 ___ Truck(s) Selected Number of Trucks: _____5 ___ Truck(s)

Adjusted hourly truck team production: 1,343.82 LCY/Hour

Adjusted single truck/loader team production:
Adjusted multiple truck/loader team production:
1,332.22 LCY/Hour
Adjusted multiple truck/loader team production:
1,332.22 LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____35.14 Hours

Unit cost: \$2.454 /LCY Total job cost: **\$114,877**

Task description:	SGVLF	- Topsoil - Lift 1	12 - Transport			
Site: Cresson Project	;	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN Task #: A111		State: Color	a da	Λh	breviation: No	
Task #: <u>A111</u> Date: 6/29/		County: Teller		AD		ne 113
User: ERR						
Agency of	r organization nar	ne: DRMS				
HOURLY EQUI	IPMENT COST	<u>Γ</u>		Shift bas	is: <u>1 per day</u>	
			Equipment Descri	ption		
	Truck Loader Tea	m -Truck: Cat	777F	•		
Supr	oort Equipment -I		T 992K D10T - 10SU			
Տարլ		ump Area: NA				
Road M	Iaintenance –Mot		T 16M			
	-Wa	ter Truck: Wa	ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Loa	ader Team	Support 1	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA 0	\$237.06	\$115.35
Number of Units: Group Subtotals:	Work:	\$2,422,66	1 Cummonts	\$492.91	1 Maint:	\$352.41
-		\$2,423.66	Support:	\$492.91	Maint:	\$332.41
Total work team co	ost/hour: \$3,268.	98				
MATERIAL QU	IANTITIES					
·		CON		6 . 1015		
Initial volume Loose volume		2 CCY LCY		factor: 1.215		
				E.C.		
	ource of estimated e of estimated swe		CC&V Provided Handbook	Estimate		
	Material Purch					
	To	otal Cost: \$0.00)			
HOURLY PRO	DUCTION					
Truck Capacity:						
Truck Payload (we	ight) Basis:					
Material			Pounds/LCY	•		
Desc Rated P	ription: $\frac{\text{Top So}}{200,00}$		Pounds			
Raicu F	ay 10au	· ·	i ounus			

Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	78.80	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Ruck	tet Size Class:	NΔ	
Rated Capacity:	16.000	LCY (heaped)	Buck	et bize class.	IVA	_
Bucket Fill Factor:	1.100		mixtures (100-	-120%) 1 100		_
Adjusted Capacity:	17.600	LCY	illixtures (100	-120/0) 1.100		_
Adjusted Capacity.	17.000	LCI				
Job Condition Corrections	<u>L</u>	Sit	e Altitude (ft.): 9	2500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				

Loading Tool Cycle Time:	Numbe	r of Loading Tool Pas	sses Required to I	Fill Truck:	4 I	oasses
Loading Tool Cycle Time: Excavators and Front Shove			ses Required to I	Fill Truck:	4	oasses
	<u>ls:</u> s. Job Conditio	r of Loading Tool Pas	sses Required to I	Fill Truck:	4I	oasses
Excavators and Front Shove Machine Cycle Time v	<u>ls:</u> s. Job Conditio within this Basi	r of Loading Tool Pas in Rating: <u>NA</u> ic Rating: <u>NA</u>	sses Required to I	Fill Truck:	4 r	oasses
Excavators and Front Shove Machine Cycle Time v Selected Value	ls: s. Job Conditio within this Basi Material Descr	r of Loading Tool Pas in Rating: <u>NA</u> ic Rating: <u>NA</u>	sses Required to I	Fill Truck:	4 r	oasses
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders –	ls: s. Job Conditio within this Basi Material Descr	r of Loading Tool Pas in Rating: <u>NA</u> ic Rating: <u>NA</u>	sses Required to I		100	passes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.)	ls: s. Job Conditio within this Basi Material Descr	r of Loading Tool Pasen Rating: NA Rec Rating: NA Inpution: Maneuver: NA		Dump: 0.1		
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	ls: s. Job Conditio within this Basi Material Descr	r of Loading Tool Pasen Rating: NA Rec Rating: NA Inpution: Maneuver: NA		Dump: 0.1	100 0.625 minu	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders –	ls: s. Job Conditio within this Basi Material Descr	r of Loading Tool Pasen Rating: NA Ic Rating: NA Inpition: Maneuver: NA Assic Loader Cycle Tine		Dump: 0.1	100 0.625 minu	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors	ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed materi	r of Loading Tool Pasen Rating: NA Ic Rating: NA Input	ne (load, dump, n	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000	100 0.625 minu Source	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership:	ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed materi No adjustmen Common ow	r of Loading Tool Pasen Rating: NA Ic Rating: NA Pription: Maneuver: NA Pasic Loader Cycle Tine It ial 0.02 Int - factor not applicate the reship of trucks and	ne (load, dump, n	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040	0.625 minu Source (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed materi No adjustment Common ow Constant ope	r of Loading Tool Pasen Rating: NA The Rating: NA The Pasic NA The Pasic Loader Cycle Time In the Pasic Loader Cycle Time	ne (load, dump, n	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040	0.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership:	ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed materi No adjustmen Common ow	r of Loading Tool Pasen Rating: NA Ic Rating: Maneuver: Maneuver: NA Asic Loader Cycle Tine asial 0.02 and - factor not applicate nership of trucks and ration -0.04 get 0.00	ne (load, dump, n	Dump:0.1 naneuver): Factor (min.)	0.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed materi No adjustment Common ow Constant ope	r of Loading Tool Pasen Rating: NA Rec Rating: Maneuver: Maneuver: NA Resic Loader Cycle Time and 10.02 Rec Factor not application recapility of trucks and ration -0.04 Ret O.00 Net Cycle Time	ne (load, dump, noble 0.00 loaders -0.04	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed materi No adjustment Common ow Constant ope	r of Loading Tool Pasen Rating: NA Rec NA Rec NA Rec NA Rec Not applicate and ration -0.04 Rec Net Cycle Tim Adjusted Loade	ne (load, dump, noble 0.00 loaders -0.04 loa	Dump:0.1 naneuver): Factor (min.)	0.625 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed materi No adjustment Common ow Constant ope	r of Loading Tool Pasen Rating: NA Rec NA Rec NA Rec NA Rec Not applicate and ration -0.04 Rec Net Cycle Tim Adjusted Loade	ne (load, dump, noble 0.00 loaders -0.04	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	ls: s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed materi No adjustmer Common ow Constant ope Nominal targ	r of Loading Tool Pasen Rating: NA Rec Rating: Maneuver: Maneuver: NA Resic Loader Cycle Time Interesting of trucks and Interesting Trucks and Interesting Trucks and Interesting One Net Cycle Time Adjusted Loade Net Load Time Interesting Net Load Time Interesting In	ne (load, dump, noble 0.00 loaders -0.04 loa	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	ites
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time	s. Job Conditio within this Basi Material Descr M Unadjusted Ba Mixed materi No adjustment Common own Constant ope Nominal targ	r of Loading Tool Pasen Rating: NA Ic Rating: Maneuver: Maneuver: NA Asic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and ration -0.04 get 0.00 Net Cycle Time Adjusted Loade Net Load Ti Minutes	ne (load, dump, noble 0.00 loaders -0.04 loaders -Cycle Time: _me per Truck: _	Dump:	0.625 minutes minutes 0.800	utes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	s. Job Condition within this Basis Material Description Mutable Mixed Material Basis Mixed material No adjustment Common ow Constant ope Nominal targ	r of Loading Tool Pasen Rating: NA Rec Rating: Maneuver: Maneuver: NA Resic Loader Cycle Time Interesting of trucks and Interesting Trucks and Interesting Trucks and Interesting One Net Cycle Time Adjusted Loade Net Load Time Interesting Net Load Time Interesting In	ne (load, dump, noble 0.00 loaders -0.04 loaders -0.04 loaders -me per Truck:	Dump: 0.1 naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.800 1.832	utes

5.273

Page 3 of 3

8359.00

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	8359.00	-9.10	3.00	-6.10	1870	4.705

4.705 Haul Time: minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min)

3.00

9.10

Return Time: 5.273 minutes
Total Truck Cycle Time: 13.810 minutes

1628

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour

12.10

Truck Unit Production

305.87 LCY/Hour Adjusted for job efficiency: 253.87 LCY/Hour

Optimal No. of Trucks: 5 Truck(s) Selected Number of Trucks: 5 Truck(s)

Adjusted hourly truck team production: 1,269.37 LCY/Hour Adjusted single truck/loader team production: 1,269.37 LCY/Hour Adjusted multiple truck/loader team production: 1,269.37 LCY/Hour LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 26.23 Hours

Unit cost: \$2.575 /LCY Total job cost: **\$85,761**

Task description:	SGVLF	- Topsoil - Lift 1	3 - Transport			
Site: Cresson Projec	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE Task #: A11 Date: 6/29/ User: ERR	14 /2025	State: Colora County: Teller		Ab	breviation: Non Filename: A1	
Agency o	or organization nar	ne: DRMS				
HOURLY EQU	IPMENT COS	_			is: <u>1 per day</u>	
Sup	Maintenance –Mot	m -Truck: Cat -Loader: CA' Load Area: Cat ump Area: NA or Grader: CA'	Equipment Descri 777F T 992K D10T - 10SU T 16M ter Tanker, 7,000			
Cost Breakdown:		ader Team Loader		Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$199.47	\$270.75	\$257.39	NA	\$179.39	\$73.42
Operating cost/hour:	\$152.44	\$230.31	\$196.93	NA	\$29.91	\$20.80
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
Unit Subtotals:	\$377.15	\$537.91	\$492.91	NA	\$237.06	\$115.35
Number of Units:	6	1	1	0	1	1
Group Subtotals:	Work:	\$2,800.81	Support:	\$492.91	Maint:	\$352.41
Total work team co	U ANTITIES e: 17,859	CCY		factor: 1.215		
So	ource of estimated e of estimated swe Material Purch	l volume: 2022 ell factor: Cat F	CC&V Provided Handbook	Estimate		
HOURLY PRO Truck Capacity: Truck Payload (we	eight) Basis:		D. LACY			
Material Desc Rated P	eription: Top So		Pounds/LCY Pounds			

					Page 2 01 3	
Payload Capacity:	125.00	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	60.60	LCY				
Heaped Volume:	78.80	LCY				
Average Volume:	69.70	LCY				
Adjusted Volume:	78.80	LCY				
Fina	Truck Volume	Based on Number of I	Loader Passes:	70.40	LCY	
Loading Tool Capacity			Dual	rot Sizo Closes N	Α.	
Datad Canasitan	16,000	LCV (hannad)	Биск	tet Size Class: N	A	
Rated Capacity: Bucket Fill Factor:	16.000 1.100	LCY (heaped) Other - rock/dirt i	nivtures (100	120%) 1 100		_
Adjusted Capacity:	17.600	LCY	matures (100	-120%) 1.100		_
Aujusted Capacity.	17.000					
Job Condition Corrections	<u>:</u>	Site	Altitude (ft.): 9	<u>9500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
	1					
Loading Tool Cycle Times	Number	r of Loading Tool Pass	es Required to I	Fill Truck:	4	passes
Loading Tool Cycle Time: Excavators and Front Shove	Number	r of Loading Tool Pass	es Required to I	Fill Truck:	4	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time:	Number	r of Loading Tool Pass n Rating: <u>NA</u>	es Required to I	Fill Truck:	4 1	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time:	Number Sels: Variable Condition Which within this Basic	r of Loading Tool Pass n Rating: NA c Rating: NA	es Required to I	Fill Truck:	4	passes
Excavators and Front Shove Machine Cycle Time Selected Value	Number Nu	r of Loading Tool Pass n Rating: NA c Rating: NA	es Required to I	Fill Truck:	4	passes
Excavators and Front Shove Machine Cycle Time of Selected Value Track Loaders –	Number Nu	r of Loading Tool Pass n Rating: NA c Rating: NA	es Required to I	Fill Truck:		passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.)	Number Pls: Vs. Job Condition Within this Basic Material Descript M	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA		Dump: 0.100)	passes
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA	Number Pls: Vs. Job Condition Within this Basic Material Descript M	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA		Dump: 0.100)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders	Number Pls: Vs. Job Condition Within this Basic Material Descript Mixed material	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time	e (load, dump, n	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020	0 min	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Number Vest S. Job Condition Within this Basic Material Description Mixed material No adjustment	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time (al 0.02 nt - factor not applicable)	e (load, dump, n	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020 0.000	.625 min Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Pls: Vs. Job Condition Within this Basic Material Descript Unadjusted Basic Mixed materi No adjustmer Common own	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time all 0.02 nt - factor not applicable nership of trucks and lo	e (load, dump, n	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Pls: Vs. Job Condition within this Basic Material Description Unadjusted Basic Mixed materi No adjustmer Common own Constant open	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and loration -0.04	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Number Pls: Vs. Job Condition Within this Basic Material Descript Unadjusted Basic Mixed materi No adjustmer Common own	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and loration -0.04 et 0.00	e (load, dump, n	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Pls: Vs. Job Condition within this Basic Material Description Unadjusted Basic Mixed materi No adjustmer Common own Constant open	r of Loading Tool Pass n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time all 0.02 nt - factor not applicable nership of trucks and loration -0.04 et 0.00 Net Cycle Time	e (load, dump, n e 0.00 paders -0.04	Dump: 0.100 naneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Pls: Vs. Job Condition within this Basic Material Description Unadjusted Basic Mixed materi No adjustmer Common own Constant open	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and loration -0.04 et 0.00	e (load, dump, n e 0.00 oaders -0.04 Adjustment: Cycle Time:	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	Number Pls: Vs. Job Condition within this Basic Material Description Unadjusted Basic Mixed materi No adjustmer Common own Constant open	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Ial 0.02 Int - factor not applicable Inership of trucks and loation -0.04 et 0.00 Net Cycle Time Adjusted Loader	e (load, dump, n e 0.00 oaders -0.04 Adjustment: Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Number Pls: Ps. Job Condition within this Basic Material Descript Unadjusted Basic Mixed materi No adjustmer Common own Constant open Nominal targe	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Ial 0.02 Int - factor not applicable Inership of trucks and loation -0.04 et 0.00 Net Cycle Time Adjusted Loader	e (load, dump, n e 0.00 oaders -0.04 Adjustment: Cycle Time: ne per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes — — —
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	Number Vs. Job Condition within this Basic Material Description Unadjusted Basic No adjustmer Common own Constant open Nominal target e: 0.80	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time Ial 0.02 nt - factor not applicable nership of trucks and loration -0.04 et 0.00 Net Cycle Time Adjusted Loader Net Load Tin	e (load, dump, n e 0.00 paders -0.04 Adjustment: _ Cycle Time: _ ne per Truck: _	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	
Loading Tool Cycle Time: Excavators and Front Shove Machine Cycle Time: Selected Value Track Loaders - Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time: Truck Exchange Time	Number Pls: Tes. Job Condition within this Basic Material Description Unadjusted Basic Mixed materi No adjustmer Common own Constant oper Nominal targe E: 0.80 E: 1.795	n Rating: NA c Rating: NA iption: NA Ianeuver: NA Isic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and leration -0.04 et 0.00 Net Cycle Time Adjusted Loader Net Load Tin Minutes	e (load, dump, no e 0.00 paders -0.04 paders	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.565 1.795 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	9638.00	-8.40	3.00	-5.40	1870	5.425

Haul Time: 5.425 minutes

Return Route:

recturn re	rate.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	9638.00	8.40	3.00	11.40	1734	5.716

Return Time: 5.716 minutes
Total Truck Cycle Time: 14.973 minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour Truck Unit Production 282.11 LCY/Hour Adjusted for job efficiency: 234.16 LCY/Hour

Optimal No. of Trucks: _____6 ___ Truck(s) Selected Number of Trucks: _____6 ___ Truck(s)

Adjusted hourly truck team production: 1,404.93 LCY/Hour Adjusted single truck/loader team production: 1,332.22 LCY/Hour Adjusted multiple truck/loader team production: 1,332.22 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 16.29
 Hours

 Unit cost:
 \$2.737
 /LCY
 Total job cost:
 \$59,387

BULLDOZER WORK

			- Dozer Spreading		
: Cresson Project	Perr	mit Action:	2025 Update M1980244	Permit/Job#:	M1980244
PROJECT IDENTIFICA	ATION				
Task #: A1115	State:	Colorado		Abbreviation:	None
Date: 6/29/2025	County:	Teller		Filename:	A1115
User: ERR					
Agency or organiza	ation name: DR	MS			
HOURLY EQUIPMENT	Γ COST				
	7R DS Series II LO	GP			
Horsepower: 240			<u> </u>		
Blade Type: Straigh	nt				
Attachment: NA			<u> </u>		
Shift Basis: 1 per d			<u> </u>		
Data Source: (CRG))				
Cost Breakdown:					
			<u>Utilization %</u>		
Ownership Cost/Hour:		\$90.24	NA		
Operating Cost/Hour:		\$78.95	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	25		
Operator Cost/Hour:		\$38.59	NA		
	6207.78 6207.78				
	5207.78 TIES	_			
Total Fleet Cost/Hour: \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	S207.78 SES				
Total Fleet Cost/Hour: \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2022 CC& Cat Handle	— — ≿V Provided book	l Estimate		
Total Fleet Cost/Hour: \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2007.78 LCY 2022 CC8 Cat Handle		l Estimate		
Total Fleet Cost/Hour: \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	207.78 TIES LCY 2022 CC8 Cat Hand	book	l Estimate		
Total Fleet Cost/Hour: \$\\ \text{MATERIAL QUANTIT}\$ Initial Volume: 449,655 Swell factor: 1.215 Loose volume: 546,331 Source of estimated volume: Source of estimated swell factor. HOURLY PRODUCTION Average push distance:	2022 CC8 Cat Handl 2015 2022 CC8 Cat Handl 2015 2022 CC8 2025 2025	book			
MATERIAL QUANTIT Initial Volume: 449,655 Swell factor: 1.215 Loose volume: 546,331 Source of estimated volume: Source of estimated swell factor. HOURLY PRODUCTION Average push distance: Unadjusted hourly production Materials consistency description	S207.78 S207	book			
MATERIAL QUANTIT Initial Volume: 449,655 Swell factor: 1.215 Loose volume: 546,331 Source of estimated volume: Source of estimated swell factor HOURLY PRODUCTION Average push distance: Unadjusted hourly production Materials consistency description.	2022 CC8 Cat Handl 2015 2022 CC8 Cat Handl 2015 2022 CC8 2025 2025	book			
MATERIAL QUANTIT Initial Volume: 449,655 Swell factor: 1.215 Loose volume: 546,331 Source of estimated volume: Source of estimated swell factor HOURLY PRODUCTION Average push distance: Unadjusted hourly production Materials consistency description Average push gradient: 4 Average site altitude: 9	2022 CC8 Cat Hand 2023 CC8 Cat Hand 2024 CC8 Cat Hand 2025 CC8 Cat Hand 2026 CC8 Cat Hand 2026 CC8 Cat Hand 2027 CC8 Cat Hand 2028 CC8 Cat	book			
MATERIAL QUANTIT Initial Volume: 449,655 Swell factor: 1.215 Loose volume: 546,331 Source of estimated volume: Source of estimated swell factor HOURLY PRODUCTION Average push distance: Unadjusted hourly production Materials consistency description Average push gradient: 4 Average site altitude: 9 Material weight: 1	2007.78 PIES LUCY 2022 CC8 Cat Hand ON 145 feet 381.4 LCY/ ption: Loose s 30 % 0,500 feet	book			
MATERIAL QUANTIT Initial Volume: 449,655 Swell factor: 1.215 Loose volume: 546,331 Source of estimated volume: Source of estimated swell factor HOURLY PRODUCTION Average push distance: Unadjusted hourly production Materials consistency description: 4 Average site altitude: 9 Material weight: 1 Weight description: T Job Condition Correction Factors MATERIAL QUANTIT 449,655 546,331 Average of estimated volume: 546,331 Average push distance: Unadjusted hourly production Materials consistency description: 7 Job Condition Correction Factors	S207.78 S207	hr tockpile 1.2	Source		
MATERIAL QUANTIT Initial Volume: 449,655 Swell factor: 1.215 Loose volume: 546,331 Source of estimated volume: Source of estimated swell factor HOURLY PRODUCTION Average push distance: Unadjusted hourly production Materials consistency description: 9 Material weight: 1 Weight description: T	S207.78 S207	book			

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.3758

Adjusted unit production: 524.73 LCY/hr
Adjusted fleet production: 524.73 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.396/LCY

Total job time: 1,041.17 Hours
Total job cost: \$216,329

BULLDOZER RIPPING WORK

	Task description:	SGVLF - Topsoi	il - Lift 1 - 13	3 - Ripping				_
Site:	Cresson Project	Per	mit Action:	2025 Update M1980244	Po	ermit/Job#: _	M1980244	
	PROJECT IDENTII	FICATION						
	Task #: A1116 Date: 6/29/2025 User: ERR	State: County:	Colorado Teller				None A1116	
	Agency or orga	anization name:DI	RMS					
	HOURLY EQUIPM	ENT COST						
	Basic Machir	ne: Cat D7R DS Se	ries II LGP		Horsepower:	24	.0	
	Ripper Attachmen	nt: 3-Shank Ripper			Shift Basis:	1 per		
					Data Source:	(CR	(G)	
	Cost Breakdown:			ı.				
	0	1: 0 //		¢00.24	Utilization %			
		ership Cost/Hour:erating Cost/Hour:		\$90.24 \$78.95	NA 100	-		
		1		\$9.25	NA	=		
		erating Cost/Hour:		\$5.20	100	=		
		erator Cost/Hour:		\$38.59	NA	=		
	Tota	al Unit Cost/Hour:		\$222.23				
	Tota	l Fleet Cost/Hour:	\$222	2.23				
	MATERIAL QUAN	TITIFS —	C-1-	4 . 4 4 4				
	Alternate Methods:	TTTES	Sele	ected estimating	g method: Area	ı		-
•		D	k Volume:	NIA	DCW	N		
mic: Area:	NA 557.39 a		K volume: _ Depth (ft):	NA 2.50	BCY Volume:	N. 2,248,140	A BCY	Y or
	HOURLY PRODUC	ce of estimated quanti	·					
	Seismic:	Seismic Velo	ocity:	NA	feet/sec	ond		
	A							
	Area:	Average Ripping D	enth:	2.45	feet/pas	s		
		Average Ripping W		6.50	feet/pas			
		Average Ripping Le		245.00	feet/pas			
		Average Dozer Sp		88.00	feet/mir			
		Average Maneuver T		0.25 0.723	minutes	•		
		Production per unit	area:	0.725	acres/ho	our		
	Job Condition Correction							
	Unadjuste	d Hourly Unit Produc	ction:	0.723	Acres/h	r		
		Site Alti		9,500	feet	(D)		
		Altitude Job Efficie		1.00 0.83	(CAT H (1 shift/			
		Net Correct		0.83	(1 Shiit/ multipli	•		
		Adjusted Hourly Unit Adjusted Hourly Fleet	Production:	0.60	Acres/hr Acres/hr			
	JOB TIME AND CO		110duction.	V•00	110103/111			
		1 Grader(s)		Total job tim	ne: 9	28.90	Hours	
				· ·				
	Unit cost: \$37	0.348 Per acre		Total job co	st: \$2	06,428		

BULLDOZER RIPPING WORK

	Task description:	TR113 AGVLF - Lea	ach Cell	Footprint - Rip	pping				
Site:	: Cresson Project	Permit A	Action:	2025 Update M1980244	Pern	nit/Job#: <u>M</u>	1980244		
	PROJECT IDENTIFI	CATION							
	Task #: A1117 Date: 6/29/2025 User: ERR		olorado		Abbrev File		ne 117		
	Agency or organ	nization name: DRMS							
	HOURLY EQUIPME	NT COST							
	Basic Machine	: Cat D10T - 10SU			Horsepower:	574			
	Ripper Attachment	: 3-Shank Ripper			Shift Basis:	1 per da			
					Data Source:	(CRG)	<u>) </u>		
	Cost Breakdown:			1	Utilization %				
	Owner	rship Cost/Hour:		\$257.39	NA				
	Opera	ating Cost/Hour:			100				
				011 50	NA 100				
		ating Cost/Hour: rator Cost/Hour:		\$11.73 \$38.59	100 NA				
	•	Unit Cost/Hour:		\$529.66					
	Total 1	Fleet Cost/Hour:	\$529	0 66					
	MATERIAL QUANT	<u>ITTES</u>	Sele	ected estimating	method: Area				
	Alternate Methods:								
smic:	NA acr	Bank Vo res Rip Dept	-	NA 2.50	BCY BCY	NA NA	BCY or C		
Area:			_			70	BC1 01 C		
	Source of estimated quantity: TR113								
	HOURLY PRODUCT	<u>'ION</u>							
	Seismic:								
		Seismic Velocity:	:	NA	feet/second	d			
	Area:								
		Average Ripping Depth:		2.87	feet/pass				
		Average Ripping Width: Average Ripping Length:		8.67 348.00	feet/pass feet/pass				
	1	Average Dozer Speed:		88.00	feet/minute	e			
		Average Maneuver Time:		0.25	minutes/pa	nss			
		Production per unit area:	<u> </u>	0.988	acres/hour				
	Job Condition Correction	<u>Factors</u>							
	Unadjusted	Hourly Unit Production:	. <u> </u>	0.988	Acres/hr				
		Site Altitude:	:	9,500	feet				
		Altitude Adj:		1.00	(CAT HB))			
		Job Efficiency:	_	0.83	(1 shift/day	y)			
	Net Correction:			0.83	multiplier				
		djusted Hourly Unit Prod ljusted Hourly Fleet Prod			Acres/hr Acres/hr				
	JOB TIME AND COS	<u>5T</u>							
	Fleet size: 1	Grader(s)		Total job time	e: 2.0	5	Hours		
	Unit cost: \$645.	619 Per acre		Total job cos	t: \$1,0	85			

7	Γask descrip	otion:	AGVLF - 9400						
Site: Cresson Project		Perm	nit Action:	2025 Update M1980244	Permit/Jo	bb#: _M1980244			
<u>I</u>	PROJECT	<u> IDENTIFI</u>	<u>CATION</u>						
	Task #:	A2000	State:	Colorado		Abbreviation	n: None		
	Date:	6/29/2025	County:	Teller		Filenam	e: A2000		
	User:	ERR							
<u>I</u>	Agency or organization name: DRM HOURLY EQUIPMENT COST					Shift basis: 1 per	day		
				Equi	ipment Description				
		Truck I	Loader Team -Truck:		TSU 830E				
	-Loader: Support Equipment -Load Area:				LETOURNEAU L2350				
					OT - 10SU				
	,	D 134 1 .	-Dump Area:		OT - 10SU				
		Road Mainten	ance – Motor Grader:						
			-Water Truck:	water I	Canker, 7,000 Gal.				
<u>(</u>	Cost Break	down:	Truck/Loader Team		Support Equipme	nt M	aintenance Equipment		

Cost Breakdown:	Truck/Loa	ader Team	Support I	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$209.47	\$635.29	\$257.39	\$257.39	\$179.39	\$73.42
Operating cost/hour:	\$274.17	\$581.06	\$196.93	\$196.93	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12
Unit Subtotals:	\$508.88	\$1,253.20	\$492.91	\$492.91	\$237.06	\$115.35
Number of Units:	4	1	1	1	1	1
Group Subtotals:	Work:	\$3,288.72	Support:	\$985.82	Maint:	\$352.41

Total work team cost/hour: \$4,626.95

MATERIAL QUANTITIES

Initial volume: 340,405 CCY Swell factor: 1.000

Loose volume: 340,405 LCY

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$0.00

Total Cost: \$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,800 Pounds/LCY

Description: Granite - Broken

k I 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Site A Loader 0.980 0.830 0.813 ding Tool Passes	Bucke Altitude (ft.): 95 Source (CAT HB) (CAT HB)	et Size Class: N		asses
Condition Rating	Site A Loader 0.980 0.830 0.813 ding Tool Passes	Bucke Altitude (ft.): 95 Source (CAT HB) (CAT HB)	et Size Class: N	NA	ısses
Condition Rating	Site A Loader 0.980 0.830 0.813 ding Tool Passes	Bucke Altitude (ft.): 95 Source (CAT HB) (CAT HB)	et Size Class: N	NA	ısses
LCY LCY LCY LCY	Site A Loader 0.980 0.830 0.813 ding Tool Passes	Bucke Altitude (ft.): 95 Source (CAT HB) (CAT HB)	et Size Class: N	NA	ısses
Volume Based of Based	Site A Loader 0.980 0.830 0.813 ding Tool Passes	Bucke Altitude (ft.): 95 Source (CAT HB) (CAT HB)	et Size Class: N	NA	ısses
Volume Based of Based	Site A Loader 0.980 0.830 0.813 ding Tool Passes	Bucke Altitude (ft.): 95 Source (CAT HB) (CAT HB)	et Size Class: N	NA	ısses
3.000 LC 1.675 Bla 5.775 LC k I 0 0 Number of Load Condition Rating	Site A Loader 0.980 0.830 0.813 ding Tool Passes	Bucke Altitude (ft.): 95 Source (CAT HB) (CAT HB)	et Size Class: N	NA	isses
k I O Number of Load Condition Rating	Site A Loader 0.980 0.830 0.813 ding Tool Passes	Altitude (ft.): 95 Source (CAT HB) (CAT HB)	75%) 0.675		asses
k I O Number of Load Condition Rating	Site A Loader 0.980 0.830 0.813 ding Tool Passes	Altitude (ft.): 95 Source (CAT HB) (CAT HB)	75%) 0.675		asses
k I O Number of Load Condition Rating	Site A Loader 0.980 0.830 0.813 ding Tool Passes	Altitude (ft.): 95 Source (CAT HB) (CAT HB)	5 <u>00</u> feet		ısses
k I 0 0 Number of Load	Site A Loader 0.980 0.830 0.813 ding Tool Passes	Altitude (ft.): 95 Source (CAT HB) (CAT HB)	5 <u>00</u> feet		asses
k I 0 0 0 Number of Loac	Site A Loader 0.980 0.830 0.813 ding Tool Passes g: NA	Source (CAT HB) (CAT HB)			asses
Number of Load	0.980 0.830 0.813 ding Tool Passes	Source (CAT HB) (CAT HB)			asses
Number of Load	0.980 0.830 0.813 ding Tool Passes	(CAT HB) (CAT HB)	ill Truck:		ısses
Number of Load	0.830 0.813 ding Tool Passes	(CAT HB)	ill Truck:		isses
Number of Load	0.813 ding Tool Passes g: NA	,	ill Truck:	4 pa	asses
Number of Load	ding Tool Passes	s Required to Fi	ill Truck:		ısses
Condition Rating	g: <u>NA</u>	s Required to Fi	ill Truck:	pa	asses
_	•				
al Description:					
Maneuver	r: NA		Dump: 0.100	0	
usted Basic Load	der Cycle Time	(load, dump, ma	aneuver):	0.725 minu	tes
			Factor (min.)	Source	
d material 0.02			0.020	(Cat HB)	•
			0.000	(Cat HB)	_
		ders -0.04	-0.040	(Cat HB)	_
	0.04		-0.040	(Cat HB)	_
					-
	•				
Ac					
	Net Load Time	e per 1ruck:	4.095	minutes	
		Adjusted fo	or site altitude:	0.800	Minute
0.80 Minu	utes	r rajastea re		2.138	3.51
			or site altitude:	2.130	Minute
1	mon ownership stant operation -(inal target 0.00 N	djustment - factor not applicable mon ownership of trucks and loa stant operation -0.04 inal target 0.00 Net Cycle Time A Adjusted Loader (Net Load Time	djustment - factor not applicable 0.00 mon ownership of trucks and loaders -0.04 stant operation -0.04 inal target 0.00 Net Cycle Time Adjustment: Adjusted Loader Cycle Time: Net Load Time per Truck:	djustment - factor not applicable 0.00 mon ownership of trucks and loaders -0.04 tant operation -0.04 inal target 0.00 Net Cycle Time Adjustment: Adjusted Loader Cycle Time: O.665 Net Load Time per Truck: 0.80 Minutes Adjusted for site altitude:	djustment - factor not applicable 0.00 0.000 (Cat HB) mon ownership of trucks and loaders -0.04 -0.040 (Cat HB) stant operation -0.04 -0.040 (Cat HB) inal target 0.00 0.000 (Cat HB) Net Cycle Time Adjustment: -0.060 minutes Adjusted Loader Cycle Time: 0.665 minutes Net Load Time per Truck: 2.095 minutes

1.307

Page 3 of 3

4374.00

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4374.00	8.20	3.00	11.20	724	6.136

Haul Time: **6.136** minutes Return Route: Roll. Res Total Res Travel Haul Distance Grade (%) Velocity Seg# Time (Ft) (%) (%) (fpm) (min)

3.00

-8.20

Return Time: 1.307 minutes
Total Truck Cycle Time: 11.581 minutes

3450

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour

Truck Unit Production

741.40 LCY/Hour Adjusted for job efficiency: 615.36 LCY/Hour

-5.20

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 2,461.46 LCY/Hour Adjusted single truck/loader team production: 2,425.79 LCY/Hour Adjusted multiple truck/loader team production: 2,425.79 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 140.33
 Hours

 Unit cost:
 \$1.907
 /LCY
 Total job cost:
 \$649,288

Т	ask descrip	otion:	AGVLF - 9500				
Site:	Site: Cresson Project			Permit Action: 2025 Up M19802		Permit/Job#	: <u>M1980244</u>
<u>I</u>	PROJECT	Γ IDENTIFIC	<u>CATION</u>				
	Task #:	A2001	State:	Colorado		Abbreviation:	None
	Date:	6/29/2025	County:	Teller		Filename:	A2001
	User:	ERR					
Agency or organization name: DRMS HOURLY EQUIPMENT COST Shift basis: 1 per day							
1	<u>ioukly</u>	EQUIPME	NI COSI			Shift basis: 1 per day	<u>L</u>
					ipment Description		
		Truck L	Loader Team -Truck:	KOMA'	TSU 830E		
	-Loader: Support Equipment -Load Area:			LETOU	RNEAU L2350		
				Cat D10	T - 10SU		
			-Dump Area:	Cat D10	T - 10SU		
	Road Maintenance – Motor Grader:			CAT 16	δM		
			-Water Truck:	Water T	Canker, 7,000 Gal.		
<u>(</u>	Cost Break	down:	Truck/Loader Team		Support Equipme	ent Mair	ntenance Equipment

<u>Cost Breakdown:</u>	Truck/Loa	ader Team	Support Equipment		Maintenance Equipment	
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$209.47	\$635.29	\$257.39	\$257.39	\$179.39	\$73.42
Operating cost/hour:	\$274.17	\$581.06	\$196.93	\$196.93	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12
Unit Subtotals:	\$508.88	\$1,253.20	\$492.91	\$492.91	\$237.06	\$115.35
Number of Units:	3	1	1	1	1	1
Group Subtotals:	Work:	\$2,779.84	Support:	\$985.82	Maint:	\$352.41

Total work team cost/hour: \$4,118.07

MATERIAL QUANTITIES

Initial volume: 437,763 CCY Swell factor: 1.000

Loose volume: 437,763 LCY

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$0.00

Total Cost: \$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,800 Pounds/LCY

Description: Granite - Broken

Payload Capacity	: 175.79	LCY				
Truck Bed (volume) Basi	s:					
Struck Volume:	153.00	LCY				
Heaped Volume:	192.00	LCY				
Average Volume:	172.50	LCY				
Adjusted Volume:	175.79	LCY				
Fi	nal Truck Volun	ne Based on Number of	of Loader Passes:	143.10	LCY	
Loading Tool Capacity			ъ. т		Τ.Α.	
D . 10	52 000	LOVA	Buci	ket Size Class: N	\A	<u>—</u>
Rated Capacity		LCY (heaped)	1 11 1 (60	750/ \ 0.675		_
Bucket Fill Factor		LCY	poorly blasted (60	1 - 75%) 0.675		_
Adjusted Capacity	35.775	LCY				
Job Condition Correction	ons:	S	ite Altitude (ft.): 9	9500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HE	3)		
Job Efficiency:	0.830	0.830	(CAT HE	3)		
Net Correction:	0.830	0.813				
Net Correction:	0.030	0.013				
Loading Tool Cycle Tin		per of Loading Tool Pa	asses Required to	Fill Truck:	1	passes
	ne: Numb		asses Required to	Fill Truck:	41	passes
Loading Tool Cycle Tin Excavators and Front Sho	<u>ne:</u> Numb	per of Loading Tool Pa	asses Required to	Fill Truck:		passes
Loading Tool Cycle Tim Excavators and Front Sh Machine Cycle Tim	<u>ne:</u> Numb	per of Loading Tool Pation Rating: NA	asses Required to	Fill Truck:	4	passes
Loading Tool Cycle Tin Excavators and Front Sho Machine Cycle Tim Selected Val	ne: Numb ovels: ne vs. Job Condit ue within this Ba	oer of Loading Tool Pation Rating: NA NA	asses Required to	Fill Truck:	4	passes
Loading Tool Cycle Tin Excavators and Front Sho Machine Cycle Tim Selected Val	ne: Numb ovels: ne vs. Job Condit ne within this Ba s – Material Des	oer of Loading Tool Pation Rating: NA NA	asses Required to	Fill Truck:		passes
Loading Tool Cycle Tim Excavators and Front Sho Machine Cycle Tim Selected Val Track Loader	ne: Numb ovels: ne vs. Job Condit ue within this Ba s – Material Des n.):	oer of Loading Tool Pation Rating: NA NA	asses Required to	Fill Truck:		passes
Loading Tool Cycle Tim Excavators and Front Sho Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi	ne: Numb ovels: e vs. Job Condit ue within this Ba s – Material Des n.):	ion Rating: Sic Rating: NA Cription: Maneuver: NA		Dump: 0.100		
Loading Tool Cycle Tim Excavators and Front She Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mit Load: NA	ne: Numbovels: le vs. Job Conditue within this Bas – Material Desn.): rs - Unadjusted	ion Rating: Sic Rating: NA Cription: Maneuver: NA		Dump: 0.100	0	
Loading Tool Cycle Tim Excavators and Front She Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mit Load: NA Wheel and Track Loader	ne: Numbovels: e vs. Job Conditue within this Bass – Material Deson.): rs - Unadjusted last	ion Rating: NA sic Rating: NA cription: Maneuver: NA Basic Loader Cycle Ti		Dump: 0.100 maneuver): 0	0 0.725 min	
Loading Tool Cycle Tim Excavators and Front She Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor	ne: Number Numbe	ion Rating: NA Isic Rating: NA Cription: Maneuver: NA Basic Loader Cycle Tierial 0.02 Ient - factor not applications	ame (load, dump, r	Dump: 0.100 maneuver): 0 Factor (min.) 0.020 0.000	0 0.725 min Source	
Loading Tool Cycle Tim Excavators and Front She Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi	ne: Number Numbe	ion Rating: NA sic Rating: NA cription: Maneuver: NA Basic Loader Cycle Ti erial 0.02 tent - factor not applications with a side of the s	ame (load, dump, r	Dump: 0.100 maneuver): 0 Factor (min.) 0.020 0.000 -0.040	0	
Loading Tool Cycle Tim Excavators and Front She Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi Operatio	ne: Number ovels: ne vs. Job Conditue within this Bas – Material Desemble: rs - Unadjusted Instruction of the common of the constant of the	ion Rating: NA	ame (load, dump, r	Dump: 0.100 maneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Tim Excavators and Front She Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi	ne: Number Numbe	ion Rating: NA NA NA Cription: NA	able 0.00	Dump: 0.100 maneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	0	
Loading Tool Cycle Tim Excavators and Front She Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi Operatio	ne: Number Numbe	ion Rating: NA sic Rating: Maneuver: Maneuver: Masic Loader Cycle Ti erial 0.02 lent - factor not application application of trucks and operation -0.04 rget 0.00 Net Cycle Times	able 0.00 d loaders -0.04 me Adjustment:	Dump: 0.100 maneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0	
Loading Tool Cycle Tim Excavators and Front She Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi Operatio	ne: Number Numbe	ion Rating: Isic Rating: Isic Rating: Isic Rating: Isic Rating: In NA Cription: Maneuver: In NA Basic Loader Cycle Ti Cerial 0.02 Itent - factor not application applicat	able 0.00 d loaders -0.04 me Adjustment: der Cycle Time:	Dump: 0.100 maneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Tim Excavators and Front She Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi Operatio	ne: Number Numbe	ion Rating: Isic Rating: Isic Rating: Isic Rating: Isic Rating: In NA Cription: Maneuver: In NA Basic Loader Cycle Ti Cerial 0.02 Itent - factor not application applicat	able 0.00 d loaders -0.04 me Adjustment:	Dump: 0.100 maneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0	
Loading Tool Cycle Tim Excavators and Front She Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi Operatio	ne: Number Numbe	ion Rating: Isic Rating: Isic Rating: Isic Rating: Isic Rating: In NA Cription: Maneuver: In NA Basic Loader Cycle Ti Cerial 0.02 Itent - factor not application applicat	able 0.00 d loaders -0.04 me Adjustment: der Cycle Time:	Dump: 0.100 maneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Tim Excavators and Front She Machine Cycle Tim Selected Val Track Loader Cycle Time Elements (mi Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpil Truck Ownershi Operatior Dump Targer	ne: Number Numbe	ion Rating: Isic Rating: Isic Rating: Isic Rating: Isic Rating: In NA Cription: Maneuver: In NA Basic Loader Cycle Ti Cerial 0.02 Itent - factor not application applicat	able 0.00 d loaders -0.04 me Adjustment: der Cycle Time: Fime per Truck:	Dump: 0.100 maneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665	0 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes
Loading Tool Cycle Time Excavators and Front She Machine Cycle Time Selected Val Track Loader Cycle Time Elements (mine) Load: NA Wheel and Track Loader Cycle Time Factor Materia Stockpill Truck Ownershi Operatior Dump Targer	ne: Number Numbe	ion Rating: Isic Rating: Isic Rating: Isic Rating: Isic Rating: Isic Rating: Isic NA Isic Rating: Isic R	able 0.00 d loaders -0.04 me Adjustment: der Cycle Time: Fime per Truck:	Dump: 0.100 maneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665 2.095	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	

Haul Route:

,	Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
	1	3782.00	5.80	3.00	8.80	925	4.221

Haul Time: 4.221 minutes

Return Route:

recturn re	rate.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3782.00	-5.80	3.00	-2.80	3503	1.113

Return Time: 1.113 minutes
Total Truck Cycle Time: 9.472 minutes

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour

Truck Unit Production

906.48 LCY/Hour Adjusted for job efficiency: ____752.38 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 2,257.15 LCY/Hour Adjusted single truck/loader team production: 2,257.15 LCY/Hour Adjusted multiple truck/loader team production: 2,257.15 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 193.95 Hours

Unit cost: \$1.824 /LCY Total job cost: **\$798,680**

Т	ask descrip	otion:	AGVLF - 9600				
Site:	Site: Cresson Project		Pern	nit Action:	2025 Update M1980244	Permit/Job#:	M1980244
Ī	PROJECT	T IDENTIFIC	<u>CATION</u>				
	Task #:	A2002	State:	Colorado		Abbreviation:	None
	Date:	6/29/2025	County:	Teller		Filename:	A2002
	User:	ERR					
T		gency or organi EQUIPME		MS		Chift bosics 1 man day	
<u>I</u>	<u> 100KL 1</u>	EQUIPME	NI COSI	Faui	ipment Description	Shift basis: 1 per day	
		Truck I	oader Team -Truck:		TSU 830E		
	Truck Loader Team -Truck: -Loader:				IRNEAU L2350		
	Support Equipment -Load Area:			Cat D10	OT - 10SU		
			-Dump Area:	Cat D10	T - 10SU		
	Road Maintenance – Motor Grader:						
			-Water Truck:	Water T	Canker, 7,000 Gal.		
(Cost Break	down:	Truck/Loader Team		Support Equipme	nt Main	tenance Equipment

<u>Cost Breakdown:</u>	Truck/Loa	ader Team	Support I	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$209.47	\$635.29	\$257.39	\$257.39	\$179.39	\$73.42
Operating cost/hour:	\$274.17	\$581.06	\$196.93	\$196.93	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12
Unit Subtotals:	\$508.88	\$1,253.20	\$492.91	\$492.91	\$237.06	\$115.35
Number of Units:	2	1	1	1	1	1
Group Subtotals:	Work:	\$2,270.96	Support:	\$985.82	Maint:	\$352.41

Total work team cost/hour: \$3,609.19

MATERIAL QUANTITIES

Initial volume: 669,112 CCY Swell factor: 1.000

Loose volume: 669,112 LCY

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$0.00

Total Cost: \$0.00

\$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,800 Pounds/LCY

Description: Granite - Broken

Payload Capacity						
1 ayload Capacit	7: 175.79	LCY				
Truck Bed (volume) Bas	<u>s:</u>					
Struck Volumes		LCY				
Heaped Volume:		LCY				
Average Volume		LCY				
Adjusted Volume	175.79	LCY				
	inal Truck Volum	e Based on Number of	of Loader Passes:	143.10	LCY	
Loading Tool Capacity			ъ. т	. G' G' N		
Rated Capacity	7: 53.000	LCY (heaped)	Buck	et Size Class:	NA	_
Bucket Fill Facto			poorly blasted (60	- 75%) 0 675		_
Adjusted Capacity		LCY	poorly blasted (00	1370) 0.013		=
Justica Cupation,						
Job Condition Correcti	ons:	S	ite Altitude (ft.): 9	500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)			
Job Efficiency:	0.830	0.830	(CAT HB))		
Net Correction:	0.830	0.813				
Loading Tool Cycle Ti	ne: Numb	er of Loading Tool Pa	asses Required to F	Fill Truck:	4 t	oasses
Loading Tool Cycle Ti	<u></u>	er of Loading Tool Pa	asses Required to F	Fill Truck:	4	passes
Excavators and Front Sh	ovels:	-	asses Required to F	fill Truck:	<u>4</u>	passes
Excavators and Front Sh Machine Cycle Tir	ovels:	on Rating: NA	asses Required to F	Fill Truck:	I	oasses
Excavators and Front Sh Machine Cycle Tir Selected Va	ovels: ne vs. Job Conditi	on Rating: NA NA NA	asses Required to F			oasses
Excavators and Front Sh Machine Cycle Tir Selected Va	ovels: ne vs. Job Conditi lue within this Base rs – Material Desc	on Rating: NA NA NA			4	passes
Excavators and Front Sh Machine Cycle Tir Selected Va Track Loade	ovels: ne vs. Job Conditi lue within this Bar rs – Material Desc in.):	on Rating: NA NA NA				passes
Excavators and Front Sh Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m	ovels: ne vs. Job Conditi lue within this Bar rs – Material Desc in.):	on Rating: NA NA NA Pription: NA		Dump: 0.10		
Excavators and Front Sh Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Load	ovels: ne vs. Job Conditi lue within this Bar rs – Material Desc in.): ers - Unadjusted E	on Rating: NA NA NA Pription: NA		Dump: 0.10	0.725 min	
Excavators and Front Sh Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA	ovels: ne vs. Job Conditi lue within this Bar rs – Material Desc in.): ers - Unadjusted F	on Rating: NA Sic Rating: NA Sasic Loader Cycle Ti		Dump: 0.10	0	
Excavators and Front Sh Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Load	ovels: ne vs. Job Conditi lue within this Bar rs – Material Desc in.): ers - Unadjusted E	on Rating: NA Sic Rating: NA Sasic Loader Cycle Ti	me (load, dump, m	Dump: 0.10 naneuver): (min.)	00 0.725 minu Source	
Excavators and Front Shanne Cycle Tire Selected Va Track Loade Cycle Time Elements (magnetic Load: NA Wheel and Track Load Cycle Time Factor Materi Stockpi Truck Ownersh	ovels: ne vs. Job Conditi lue within this Bars – Material Desc in.): ers - Unadjusted Ers al: Mixed mate le: No adjustme p: Common ov	on Rating: NA	me (load, dump, m	Dump: 0.10 naneuver): 0.10 Factor (min.) 0.020 0.000 -0.040	0.725 minus (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shanne Cycle Tire Selected Van Track Loade Cycle Time Elements (management Load: NA Naterian Stockpi Truck Ownersh Operation	ovels: ne vs. Job Conditi lue within this Bars – Material Desc in.): ers - Unadjusted Ers al: Mixed mate le: No adjustmo p: Common oven: Constant op	on Rating: NA Sic Rating: NA Seription: NA Series S	me (load, dump, m	Dump: 0.10 naneuver): 0.10 Factor (min.) 0.020 0.000 -0.040 -0.040	0.725 minus Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shanne Cycle Tire Selected Va Track Loade Cycle Time Elements (magnetic Load: NA Wheel and Track Load Cycle Time Factor Materi Stockpi Truck Ownersh	ovels: ne vs. Job Conditi lue within this Bars – Material Desc in.): ers - Unadjusted Fors al: Mixed mate le: No adjustmo p: Common ov n: Constant op	on Rating: NA NA Sic Rating: NA NA Pription: NA	me (load, dump, m able 0.00 d loaders -0.04	Dump: 0.10 naneuver): 0.20 0.000 -0.040 -0.040 0.000	0.725 minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shanne Cycle Tire Selected Van Track Loade Cycle Time Elements (management Load: NA Naterian Stockpi Truck Ownersh Operation	ovels: ne vs. Job Conditi lue within this Bars – Material Desc in.): ers - Unadjusted Ers al: Mixed mate le: No adjustmo p: Common oven: Constant op	on Rating: NA sic Rating: NA cription: Maneuver: NA Basic Loader Cycle Ti rial 0.02 ent - factor not application of trucks and eration -0.04 get 0.00 Net Cycle Tin	me (load, dump, mable 0.00 deloaders -0.04 del	Dump: 0.10 naneuver): 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.725 minutes	
Excavators and Front Shanne Cycle Tire Selected Van Track Loade Cycle Time Elements (management Load: NA Naterian Stockpi Truck Ownersh Operation	ovels: ne vs. Job Conditi lue within this Bars – Material Desc in.): ers - Unadjusted Ers al: Mixed mate le: No adjustmo p: Common oven: Constant op	on Rating: NA Sic Rating: NA Sic Rating: NA Seription: NA Serietical NA Seription: NA	me (load, dump, m able 0.00 d loaders -0.04	Dump: 0.10 naneuver): 0.20 0.000 -0.040 -0.040 0.000	0.725 minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Sh Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Load Cycle Time Factor Materi Stockpi Truck Ownersh Operation Dump Targ	ovels: ne vs. Job Conditi lue within this Bars – Material Desc in.): ers - Unadjusted Ers al: Mixed mate le: No adjustmo p: Common oven: Constant op	on Rating: NA Sic Rating: NA Sic Rating: NA Seription: NA Serietical NA Seription: NA	me (load, dump, mable 0.00 deloaders -0.04 del	Dump: 0.10 naneuver): 0.20 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665	0.725 minutes minutes	
Excavators and Front Sh Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Load Cycle Time Factor Materi Stockpi Truck Ownersh Operation Dump Targ	ovels: ne vs. Job Conditi lue within this Bar rs – Material Desc in.): ers - Unadjusted F ors al: Mixed mate le: No adjustme p: Common ov n: Constant op et: Nominal tar	on Rating: NA Sic Rating: NA Sic Rating: NA Seription: National N	me (load, dump, mable 0.00 deloaders -0.04 del	Dump: 0.10 naneuver): 0.20 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665 2.095	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Excavators and Front Sh Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Load Cycle Time Facto Materi Stockpi Truck Ownersh Operatio Dump Targ	ovels: ne vs. Job Conditi lue within this Bar rs – Material Desc in.): ers - Unadjusted E ors al: Mixed mate le: No adjustme p: Common ov n: Constant op et: Nominal tar ime: 0.80	on Rating: NA sic Rating: NA cription: Maneuver: NA Basic Loader Cycle Ti rial 0.02 ent - factor not application of trucks and eration -0.04 get 0.00 Net Cycle Tin Adjusted Load Net Load T	me (load, dump, mable 0.00 del loaders -0.04 del	Dump: 0.10 naneuver): 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665 2.095 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.800	utes Minute
Excavators and Front Sh Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Load Cycle Time Factor Materi Stockpi Truck Ownersh Operation Dump Targ	ovels: ne vs. Job Conditi lue within this Bar rs – Material Desc in.): ers - Unadjusted E ors al: Mixed mate le: No adjustmo p: Common ov n: Constant op et: Nominal tar ime: 0.80 ime: 2.095	on Rating: NA Sic Rating: NA Sic Rating: NA Seription: National N	me (load, dump, manable 0.00 decorporation d	Dump: 0.10 naneuver): 0.20 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665 2.095	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2074.00	3.90	3.00	6.90	1160	1.965

Haul Time: 1.965 minutes

Return Route:

recturn re	oute.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3782.00	-5.80	3.00	-2.80	3503	1.113

Return Time: 1.113 minutes
Total Truck Cycle Time: 7.216 minutes

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour

Truck Unit Production
1,189.90 LCY/Hour Adjusted for job efficiency: 987.61 LCY/Hour

Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production:
Adjusted single truck/loader team production:
Adjusted multiple truck/loader team production:

1,975.23
LCY/Hour
1,975.23
LCY/Hour
1,975.23
LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 338.75 Hours

Unit cost: \$1.827 /LCY Total job cost: \$1,222,620

Task description:		AGVLF - 9	700						
Site:	Cresson	Project		Pern	nit Action:	2025 Update M1980244	e	Permit/Job#:	M1980244
<u>]</u>	PROJECT	IDENTIFI	<u>ICATION</u>						
	Task #:	A2003	S	State:	Colorado			Abbreviation:	None
	Date:	6/29/2025	Соі	unty:	Teller			Filename:	A2003
	User:	ERR							
<u>1</u>		ency or orgar	nization name:	_ DR	MS		Shift	basis: 1 per day	
					Equ	ipment Descri	ption		
		Truck	Loader Team -	Truck:	KOMA	TSU 830E			
				Loader:		RNEAU L23	50		
		Support Eq	quipment -Load	d Area:		OT - 10SU			
			-Dum	p Area:		OT - 10SU			
]	Road Mainten	nance –Motor (Grader:	: CAT 16	δM			
			-Water	Truck:	: Water T	Tanker, 7,000	Gal.		
<u>(</u>	Cost Break		Truck/Loade	r Team		Support l	Equipment		enance Equipment

Cost Breakdown:	Truck/Loader Team		Support I	Equipment	Maintenance Equipment		
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck	
%Utilization-machine:	100	100	100	100	25	25	
Ownership cost/hour:	\$209.47	\$635.29	\$257.39	\$257.39	\$179.39	\$73.42	
Operating cost/hour:	\$274.17	\$581.06	\$196.93	\$196.93	\$29.91	\$20.80	
%Utilization-riper:	NA	0	NA	NA	NA	NA	
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12	
Unit Subtotals:	\$508.88	\$1,253.20	\$492.91	\$492.91	\$237.06	\$115.35	
Number of Units:	2	1	1	1	1	1	
Group Subtotals:	Work:	\$2,270.96	Support:	\$985.82	Maint:	\$352.41	

Total work team cost/hour: \$3,609.19

MATERIAL QUANTITIES

Initial volume: 924,083 CCY Swell factor: 1.000

Loose volume: 924,083 LCY

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$0.00

Total Cost: \$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,800 Pounds/LCY

Description: Granite - Broken

Truck Bed (volume) Basis: Struck Volume: Heaped Volume: Average Volume: Adjusted Volume: Final T	192.00 I 172.50 I 175.79 I	LCY LCY LCY LCY LCY				
Struck Volume: Heaped Volume: Average Volume: Adjusted Volume: Final T Loading Tool Capacity Rated Capacity:	192.00 I 172.50 I 175.79 I	.CY .CY				
Heaped Volume: Average Volume: Adjusted Volume: Final T Loading Tool Capacity Rated Capacity:	192.00 I 172.50 I 175.79 I	.CY .CY				
Average Volume: Adjusted Volume: Final T Loading Tool Capacity Rated Capacity:	172.50 I 175.79 I	.CY				
Adjusted Volume: Final T Loading Tool Capacity Rated Capacity:	175.79 I					
Final T Loading Tool Capacity Rated Capacity:		LCY .				
Loading Tool Capacity Rated Capacity:	Truck Volume					
Rated Capacity:		Based on Number of	Loader Passes:	143.10	LCY	
			D al.	ort Sina Classe	AT A	
	<i>52</i> ,000	I CV (beared)	Виск	tet Size Class: N	NA	_
Direct Litt Lie etem	53.000 0.675	LCY (heaped) Blasted rock - po	anly blooted (60	750/ \ 0.675		_
Bucket Fill Factor:Adjusted Capacity:	35.775	LCY	orly biasted (60	- 73%) 0.073		_
Aujusteu Capacity.	33.773					
Job Condition Corrections:		Site	e Altitude (ft.): 9	<u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB))		
Job Efficiency:	0.830	0.830	(CAT HB))		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	of Loading Tool Pass	ses Required to F	ill Truck:	4	passes
Excavators and Front Shovels	<u>:</u>					
Machine Cycle Time vs. Selected Value w						
Track Loaders – N	Iaterial Descri	otion:				
Cycle Time Elements (min.):						
Load: NA	Ma	nneuver: NA		Dump: 0.10	00	
Wheel and Track Loaders - U	Jnadjusted Bas	ic Loader Cycle Tim	e (load, dump, n	naneuver):(0.725 min	nutes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materia	1 0.02		0.020	(Cat HB)	
Stockpile:	No adjustment	- factor not applicab	le 0.00	0.000	(Cat HB)	
Truck Ownership:	Common own	ership of trucks and l	oaders -0.04	-0.040	(Cat HB)	
Operation:	Constant opera			-0.040	(Cat HB)	
Dump Target:	Nominal targe			0.000	(Cat HB)	
		Net Cycle Time	_	-0.060	minutes	
		Adjusted Loade	_	0.665	minutes	
		Net Load Tii	ne per Truck: _	2.095	minutes	
Truck Cycle Time:						
Truck Exchange Time:	0.80	Minutes	Adjusted	for site altitude:	0.800	Minute
	2.095	Minutes	Adjusted	for site altitude:	2.138	— Minute
Truck Load Time:			3			141111410

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1628.00	-4.90	3.00	-1.90	3450	0.556

Task # A2003

Haul Time: **0.556** minutes Return Route: Total Res Travel Seg# Haul Distance Grade (%) Roll. Res Velocity Time (Ft) (%) (%) (fpm) (min) 7.90 1628.00 4.90 3.00 2327 1.206

Return Time: 1.206 minutes
Total Truck Cycle Time: 5.900 minutes

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour

Truck Unit Production

1,455.31 LCY/Hour Adjusted for job efficiency: 1,207.91 LCY/Hour

Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 2,415.82 LCY/Hour Adjusted single truck/loader team production: 2,415.82 LCY/Hour Adjusted multiple truck/loader team production: 2,415.82 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 382.51 Hours

Unit cost: \$1.494 /LCY Total job cost: **\$1,380,561**

7	Task descrip	otion:	_AGVLI	F - 9800						_
Site:	Cresson	Project	t	Perr	mit Action	: 2025 Update M1980244		Permit/Job#:	M1980244	
<u>]</u>	PROJECT	r idei	NTIFICATION	<u>1</u>						
	Task #:	A200)4	State:	Colorad	0	Ab	breviation:	None	
	Date:	6/29/	2025	County:	Teller			Filename:	A2004	
	User:	ERR								
<u>]</u>		•	r organization nat		.MS Ec	uipment Descri		sis: 1 per day		
		1	Truck Loader Tea	am -Truck	: KOM	ATSU 830E				
				-Loader	_	URNEAU L23	50			
		Sup	port Equipment -I			10T - 10SU				
				ump Area		10T - 10SU				
]	Road N	Iaintenance –Mot							
-			-Wa	ater Truck	: Water	Tanker, 7,000	Gal.			
<u>(</u>	Cost Break	down:	Truck/Lo	ader Tean Loader		Support l Load Area	Equipment Dump Area	Mainte Motor Grad	enance Equipm er Water T	

<u>Cost Breakdown:</u>			Support I	Equipment	Maintenance Equipment		
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck	
%Utilization-machine:	100	100	100	100	25	25	
Ownership cost/hour:	\$209.47	\$635.29	\$257.39	\$257.39	\$179.39	\$73.42	
Operating cost/hour:	\$274.17	\$581.06	\$196.93	\$196.93	\$29.91	\$20.80	
%Utilization-riper:	NA	0	NA	NA	NA	NA	
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12	
Unit Subtotals:	\$508.88	\$1,253.20	\$492.91	\$492.91	\$237.06	\$115.35	
Number of Units:	3	1	1	1	1	1	
Group Subtotals:	Work:	\$2,779.84	Support:	\$985.82	Maint:	\$352.41	

Total work team cost/hour: \$4,118.07

MATERIAL QUANTITIES

 Initial volume:
 511,553
 CCY
 Swell factor:
 1.000

Loose volume: 511,553 LCY

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$0.00

Total Cost: \$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,800 Pounds/LCY

Description: Granite - Broken

Payload Capacity:	175.79	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	153.00	LCY				
Heaped Volume:	192.00	LCY				
Average Volume:	172.50	LCY				
Adjusted Volume: _	175.79	LCY				
Fina	l Truck Volume	Based on Number of	Loader Passes:	143.10	LCY	
<u>Loading Tool Capacity</u>			D1	Classe N	T.A.	
Date 1 Comment	52,000	I CW (book 1)	Виск	ket Size Class: N	A	_
Rated Capacity: Bucket Fill Factor:	53.000 0.675	LCY (heaped)	ouls: blooted (60	750/ \ 0.675		_
Adjusted Capacity:	35.775	Blasted rock - po	orry brasted (60	- 73%) 0.073		_
Adjusted Capacity.	33.773	LCI				
Job Condition Corrections	<u>::</u>	Site	e Altitude (ft.): 9	9 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB	5)		
Not Come etion.	0.830	0.813				
Net Correction:	,					
Loading Tool Cycle Time	. Number	r of Loading Tool Pass	ses Required to l	Fill Truck:	4	passes
Loading Tool Cycle Time Excavators and Front Shov	: Number	r of Loading Tool Pass	ses Required to l	Fill Truck:	4	passes
Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time	: Number	r of Loading Tool Passon Rating: NA	ses Required to l	Fill Truck:	4 1	passes
Excavators and Front Shov Machine Cycle Time Selected Value	: Numberels: Numberels: Vs. Job Conditio	r of Loading Tool Pass on Rating: NA oc Rating: NA	ses Required to l	Fill Truck:	4	passes
Excavators and Front Shov Machine Cycle Time Selected Value	Number els: vs. Job Conditio within this Basi Material Descr	r of Loading Tool Pass on Rating: NA oc Rating: NA	ses Required to l	Fill Truck:	4	passes
Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders	: Number els: vs. Job Conditio within this Basi - Material Descr	r of Loading Tool Pass on Rating: NA oc Rating: NA	ses Required to l	Fill Truck:		passes
Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min.	Numbersels: vs. Job Conditions within this Basins Material Descript:	r of Loading Tool Pass on Rating: NA ic Rating: NA ription: NA		Dump:0.100)	passes
Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min. Load: NA	Numbersels: vs. Job Conditions within this Basins Material Descript:	r of Loading Tool Pass on Rating: NA ic Rating: NA ription: NA		Dump:0.100)	
Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min. Load: NA Wheel and Track Loaders	Numbersels: vs. Job Conditions within this Basins and Material Describits: - Material Describits: - Unadjusted Basins and Mixed material Describits:	r of Loading Tool Passon Rating: NA	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020) min	
Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile:	Numbersels: vs. Job Conditions within this Basins Material Describits: - Material Describits: - Unadjusted Basins Mixed material No adjustments	r of Loading Tool Passon Rating: NA To Rating: NA To Passon NA To Pa	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000	.725 min Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbersels: vs. Job Conditions within this Basin Material Describits: Unadjusted Basin Mixed material No adjustment Common own	r of Loading Tool Passon Rating: NA Ic Rating: Maneuver: Maneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicab nership of trucks and 1	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040	.725 min Source (Cat HB) (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbersels: vs. Job Conditions within this Basing Material Describits: - Unadjusted Basing Mixed materials No adjustment Common own Constant ope	r of Loading Tool Passon Rating: NA Ic Rating: Maneuver: Maneuver: NA Asic Loader Cycle Time ial 0.02 nt - factor not applicabenership of trucks and I ration -0.04	e (load, dump, n	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	Numbersels: vs. Job Conditions within this Basin Material Describits: Unadjusted Basin Mixed material No adjustment Common own	r of Loading Tool Passon Rating: NA Ic Rating: Maneuver: Maneuver: NA Assic Loader Cycle Time asial 0.02 nt - factor not applicable nership of trucks and 1 ration -0.04 get 0.00	e (load, dump, note of the old	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbersels: vs. Job Conditions within this Basing Material Describits: - Unadjusted Basing Mixed materials No adjustment Common own Constant ope	r of Loading Tool Passon Rating: NA Ic Rating: Maneuver: Maneuver: NA Pasic Loader Cycle Time and 1 0.02 Int - factor not applicable nership of trucks and 1 ration -0.04 ret 0.00 Net Cycle Time	e (load, dump, note of the 0.00 oaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbersels: vs. Job Conditions within this Basing Material Describits: - Unadjusted Basing Mixed materials No adjustment Common own Constant ope	r of Loading Tool Passon Rating: NA Ic Rating: Maneuver: Maneuver: NA Isial 0.02 Int - factor not applicable nership of trucks and laration -0.04 Jet 0.00 Net Cycle Time Adjusted Loade	e (load, dump, note of the 0.00 oaders -0.04	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	Numbersels: vs. Job Conditions within this Basing Material Describits: - Unadjusted Basing Mixed materials No adjustment Common own Constant ope	r of Loading Tool Passon Rating: NA Ic Rating: Maneuver: Maneuver: NA Isial 0.02 Int - factor not applicable nership of trucks and laration -0.04 Jet 0.00 Net Cycle Time Adjusted Loade	e (load, dump, noale 0.00 oaders -0.04 e Adjustment: r Cycle Time:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	E Number els: ws. Job Conditio within this Basi - Material Descr Unadjusted Basi - Mixed materi No adjustmer Common owr Constant open Nominal targ	r of Loading Tool Passon Rating: NA Ic Rating: Maneuver: Maneuver: NA Isial 0.02 Int - factor not applicable nership of trucks and laration -0.04 Jet 0.00 Net Cycle Time Adjusted Loade	e (load, dump, noaders -0.04) e Adjustment: r Cycle Time: me per Truck:	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	utes — — —
Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders - Cycle Time Elements (min. Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	E. Number els: vs. Job Conditio within this Basi - Material Descr : Material Descr	r of Loading Tool Passon Rating: NA Ic Rating: Maneuver: Maneuver: NA Pasic Loader Cycle Time and 1 0.02 Int - factor not applicable In a control of trucks and 1 oration -0.04 Set 0.00 Net Cycle Time Adjusted Loade Net Load Time	e (load, dump, note of the 0.00 oaders -0.04 oaders -0.04 oaders - Cycle Time: me per Truck: Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665 2.095	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	
Loading Tool Cycle Time Excavators and Front Shov Machine Cycle Time Selected Value Track Loaders Cycle Time Elements (min.) Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time	E Number els: vs. Job Conditio within this Basi - Material Descr :	r of Loading Tool Pass on Rating: NA Ic Rating: Maneuver: Maneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicab nership of trucks and l ration -0.04 get 0.00 Net Cycle Time Adjusted Loade Net Load Tin Minutes	e (load, dump, not le 0.00 le 0.00 le Adjustment: r Cycle Time: le per Truck: le Adjusted Adjusted	Dump: 0.100 naneuver): 0 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665 2.095 for site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3194.00	-7.50	3.00	-4.50	2545	1.373

Haul Time: 1.373 minutes

Return Route:

ixctuiii ix	Juic.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3194.00	7.50	3.00	10.50	1789	2.162

Return Time: 2.162 minutes
Total Truck Cycle Time: 7.673 minutes

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour

Optimal No. of Trucks: _____ 3 ___ Truck(s) Selected Number of Trucks: ____ 3 ___ Truck(s)

Adjusted hourly truck team production: 2,786.37 LCY/Hour Adjusted single truck/loader team production: 2,425.79 LCY/Hour Adjusted multiple truck/loader team production: 2,425.79 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 210.88 Hours

Unit cost: \$1.698 /LCY Total job cost: \$868,422

7	Task description: AGVLF - 9900						
Site:			nit Action:	2025 Update M1980244	Permit/Job#	M1980244	
Ī	PROJECT	TIDENTIFIC	<u>CATION</u>				
	Task #:	A2005	State:	Colorado		Abbreviation:	None
	Date:	6/29/2025	County:	Teller		Filename:	A2005
	User:	ERR					
	Ag	gency or organi	zation name: DR	MS			
Ī	HOURLY EQUIPMENT COST					Shift basis: 1 per day	
				Equi	ipment Description		
		Truck L	oader Team -Truck:		TSU 830E		
			-Loader:	LETOU	JRNEAU L2350		
		Support Equ	uipment -Load Area:	Cat D10	OT - 10SU		
			-Dump Area:		OT - 10SU		
		Road Maintena	ance –Motor Grader:				
			-Water Truck:	Water T	Canker, 7,000 Gal.		
<u>(</u>	Cost Break	down:	Truck/Loader Team		Support Equipme	nt Main	tenance Equipment

<u>Cost Breakdown:</u>	Truck/Loa	ader Team	Support I	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$209.47	\$635.29	\$257.39	\$257.39	\$179.39	\$73.42
Operating cost/hour:	\$274.17	\$581.06	\$196.93	\$196.93	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12
Unit Subtotals:	\$508.88	\$1,253.20	\$492.91	\$492.91	\$237.06	\$115.35
Number of Units:	4	1	1	1	1	1
Group Subtotals:	Work:	\$3,288.72	Support:	\$985.82	Maint:	\$352.41

Total work team cost/hour: \$4,626.95

MATERIAL QUANTITIES

Initial volume: 291,740 CCY Swell factor: 1.000

Loose volume: 291,740 LCY

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$0.00

Total Cost: \$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,800 Pounds/LCY

Description: Granite - Broken

Truck/Loader Worksheet Con	it d	1 usk # 112005			1 age 2 of 3	
Payload Capacity: _	175.79	LCY				
Truck Bed (volume) Basis:						
Struck Volume:		LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	175.79	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	143.10	LCY	
<u>Loading Tool Capacity</u>				at at	***	
Rated Capacity:	53.000	LCY (heaped)	Buck	cet Size Class:	NA	_
Bucket Fill Factor:	0.675	Blasted rock - po	orly blasted (60	- 75%) 0.675		_
Adjusted Capacity:	35.775	LCY		,		=
Inh Condition Connections			A 14:4 1 - (f4) . (0500 fort		
Job Condition Corrections:	-		Altitude (ft.): 9	7500 leet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Machine Cycle Time vs Selected Value v	Job Condition this Basic	Rating: NA				
Track Loaders – 1	Material Descri	ption:				
Cycle Time Elements (min.):						
Load: NA	M	aneuver: NA		Dump: 0.1	00	
Wheel and Track Loaders -	Unadjusted Bas	sic Loader Cycle Tim	e (load, dump, n	naneuver):	0.725 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materia	al 0.02		0.020	(Cat HB)	_
Stockpile:		t - factor not applicab		0.000	(Cat HB)	_
Truck Ownership:		ership of trucks and l	oaders -0.04	-0.040	(Cat HB)	_
Operation:	Constant oper Nominal targe			-0.040 0.000	(Cat HB)	<u> </u>
Dump Target:	Nominal targe	Net Cycle Time	Adjustment:	-0.060	(Cat HB) minutes	_
		Adjusted Loader	_	0.665	minutes	
			ne per Truck:	2.095	minutes	
Truck Cycle Time:						
Truck Exchange Time:	0.80	Minutes	Adjusted	for site altitude:	0.800	Minute
Truck Load Time:	2.095	Minutes	Adjusted	for site altitude:	2.138	Minute
ck Maneuver and Dump Time:	1.20	Minutes		for site altitude:	1.200	Minute
т г		_	.			_

Page 3 of 3

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4981.00	-8.80	3.00	-5.80	1870	2.804

Return Route:

Seg # Haul Distance Grade (%) Roll. Res Total Res Velocity Travel (%) (%) (fpm) Time

 Seg #
 Haul Distance (Ft)
 Grade (%)
 Roll. Res (%)
 Total Res (%)
 Velocity (fpm)
 Travel Time (min)

 1
 4981.00
 8.80
 3.00
 11.80
 1628
 3.455

Return Time: 3.455 minutes
Total Truck Cycle Time: 10.397 minutes

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour

Truck Unit Production

825.83 LCY/Hour Adjusted for job efficiency: 685.44 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 2,741.77 LCY/Hour Adjusted single truck/loader team production: 2,425.79 LCY/Hour Adjusted multiple truck/loader team production: 2,425.79 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 120.27 Hours

Unit cost: \$1.907 /LCY Total job cost: \$556,464

		THE CIT LOTH	JER IEIRI	· OIII		
Task description:	AGVLF	- 10000				
Site: Cresson Project		Permit Actio	n: 2025 Update M1980244		Permit/Job#: _	M1980244
PROJECT IDEN	TIFICATION	[
Task #: <u>A200</u>		State: Colorac	do	Ab		None
Date: <u>6/29/2</u> User: ERR	2025	County: Teller			Filename:	A2006
	organization nar	ne: DRMS				
	C					
HOURLY EQUI	PMENT COST	<u>r</u>		Shift bas	is: 1 per day	
			Equipment Descri	ption		
`]	Truck Loader Tea		MATSU 830E OURNEAU L23	50		
Supp	ort Equipment -L		D10T - 10SU	30		
	-Dı	ump Area: Cat I	D10T - 10SU			
Road M	laintenance –Mot		16M	G 1		
-	-Wa	ter Truck: Wate	er Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Loa	ader Team	Support 1	Equipment	Mainter	nance Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grade	
%Utilization-machine:	100	100	100	100	2	5 25
Ownership cost/hour:	\$209.47	\$635.29	\$257.39	\$257.39	\$179.3	9 \$73.42
Operating cost/hour:	\$274.17	\$581.06	\$196.93	\$196.93	\$29.9	1 \$20.80
%Utilization-riper:	NA	0	NA	NA	N/	A NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.0	0 \$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.0	0 \$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.7	6 \$21.12
Unit Subtotals:	\$508.88	\$1,253.20	\$492.91	\$492.91	\$237.0	6 \$115.35
Number of Units:	4	1	1	1		1 1
Group Subtotals:	Work:	\$3,288.72	Support:	\$985.82	Main	t: \$352.41

Total work team cost/hour: \$4,626.95

MATERIAL QUANTITIES

 Initial volume:
 84,553
 CCY
 Swell factor:
 1.000

Loose volume: **84,553** LCY

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: <u>Cat Handbook</u>

Material Purchase Cost: \$0.00

Total Cost: \$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,800 Pounds/LCY

Description: Granite - Broken

Payload Capacity:	175.79	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	153.00	LCY				
Heaped Volume:	192.00	LCY				
Average Volume:	172.50	LCY				
Adjusted Volume:	175.79	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	143.10	LCY	
Loading Tool Capacity			Ruck	et Size Class: N	Λ	
Rated Capacity:	53.000	LCY (heaped)	Duck	et Size Class. N	A	_
Bucket Fill Factor:	0.675		oorly blasted (60 -	75%) 0.675		_
Adjusted Capacity:	35.775	LCY	oorly blasted (00	- 1370) 0.013		_
riajustea Capacity	35,776					
Job Condition Corrections	<u>!</u>	Sit	e Altitude (ft.): 95	500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)			
Job Efficiency:	0.830	0.830	(CAT HB)			
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:		er of Loading Tool Pas	ses Required to F	ill Truck:	1	passes
Excavators and Front Shove	<u>ls:</u>	·	ses Required to F	ill Truck:	41	passes
	<u>ls:</u> s. Job Conditio	on Rating: NA	ses Required to F	ill Truck:	<u>4</u> 1	passes
Excavators and Front Shove Machine Cycle Time v	ls: s. Job Condition within this Base	on Rating: NA NA NA	ses Required to F	ill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time v Selected Value	ls: s. Job Condition within this Bas Material Descr	on Rating: NA NA NA	ses Required to F	ill Truck:	4 1	passes
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders –	ls: s. Job Condition within this Base Material Description	on Rating: NA NA NA	ses Required to F	Till Truck:		passes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.):	ls: s. Job Condition within this Base Material Description	on Rating: NA ic Rating: NA ic Patiention: NA in		Dump: 0.100		
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.): Load: NA	ls: s. Job Condition within this Base Material Description	on Rating: NA ic Rating: NA ic Patiention: NA in		Dump: 0.100)	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders –	ls: s. Job Condition within this Base Material Description	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tim		Dump: 0.100 aneuver): 0.100	.725 min	
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile:	s. Job Condition within this Base Material Description Unadjusted Base Mixed mater No adjustme	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicate	ne (load, dump, m	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000	725 min Source (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value of	s. Job Condition within this Base Material Description Unadjusted Base Mixed mater No adjustme Common ow	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicate nership of trucks and	ne (load, dump, m	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040	Source (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders — Cycle Time Elements (min.): Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s. Job Condition within this Base Material Description Unadjusted Base Mixed mater No adjustme Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicate the reship of trucks and is cration -0.04	ne (load, dump, m	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040	Source (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value of	s. Job Condition within this Base Material Description Unadjusted Base Mixed mater No adjustme Common ow	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicate nership of trucks and icration -0.04 get 0.00	ne (load, dump, m	Dump: 0.100 naneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB)	
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders — Cycle Time Elements (min.): Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s. Job Condition within this Base Material Description Unadjusted Base Mixed mater No adjustme Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicate the restion -0.04 get 0.00 Net Cycle Tim	ne (load, dump, mole 0.00 loaders -0.04	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders — Cycle Time Elements (min.): Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s. Job Condition within this Base Material Description Unadjusted Base Mixed mater No adjustme Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicate the rest of trucks and trucks are trucks and the rest of trucks and trucks are trucks and the rest of trucks are trucks and trucks are trucks	ne (load, dump, mole 0.00 loaders -0.04 loaders - r Cycle Time:	Dump: 0.100 naneuver): 0.100 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	s. Job Condition within this Base Material Description Unadjusted Base Mixed mater No adjustme Common ow Constant ope	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicate the rest of trucks and trucks are trucks and the rest of trucks and trucks are trucks and the rest of trucks are trucks and trucks are trucks	ne (load, dump, mole 0.00 loaders -0.04	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	s. Job Conditions within this Base Material Description of Material Description of Mixed material No adjustme Common ow Constant open Nominal targets.	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicate the rest of trucks and trucks are trucks and the rest of trucks and trucks are trucks and the rest of trucks are trucks and trucks are trucks	ne (load, dump, mole 0.00 loaders -0.04 loaders - r Cycle Time: me per Truck:	Dump: 0.100 Saneuver): 0.100 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665 2.095	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders — Cycle Time Elements (min.): Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time: Truck Exchange Time	s. Job Conditions within this Base Material Description Material Description Mixed Base Mixed mater No adjustme Common ow Constant open Nominal targets: 0.80	on Rating: NA ic Rating: NA ription: Maneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicate nership of trucks and icration -0.04 get 0.00 Net Cycle Tim Adjusted Loade Net Load Ti Minutes	ne (load, dump, mole 0.00 loaders -0.04 loaders -0.04 loaders -Truck:	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665 2.095 For site altitude:	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes
Excavators and Front Shove Machine Cycle Time v Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	s. Job Condition within this Base Material Description Material Description Material Description Mixed material No adjustme Common ow Constant open Nominal targetics: 1.	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicate nership of trucks and retation -0.04 get 0.00 Net Cycle Tim Adjusted Loade Net Load Ti	ne (load, dump, mole 0.00 loaders -0.04 loaders -0.04 loaders -me per Truck:	Dump: 0.100 Saneuver): 0.100 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665 2.095	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	utes

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	6981.00	-8.60	3.00	-5.60	1870	3.930

Haul Time: 3.930 minutes

Task # A2006

Return Route:								
Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)		
1	6981.00	8.60	3.00	11.60	1628	4.632		

Return Time: 4.632 minutes Total Truck Cycle Time: 12.700 minutes

Loading Tool unit

2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour Production ____

Truck Unit Production 676.08 LCY/Hour Adjusted for job efficiency: 561.14 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

> Adjusted hourly truck team production: 2,244.57 LCY/Hour Adjusted single truck/loader team production: 2,244.57 LCY/Hour Adjusted multiple truck/loader team production: LCY/Hour 2,244.57

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 37.67 Hours

Unit cost: \$2.061 /LCY Total job cost: **\$174,297**

Permit/Job#:	M1980244
bbreviation:	None
Filename:	A2007
nsis: <u>1 per day</u>	
	Filename:

Cost Breakdown:	Truck/Loa	ader Team	Support 1	Equipment	Maintenance Equipment		
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck	
0/17:1: .: 1:	100	100	100	100	25	25	
%Utilization-machine:	100	100	100	100	25	25	
Ownership cost/hour:	\$209.47	\$635.29	\$257.39	\$257.39	\$179.39	\$73.42	
Operating cost/hour:	\$274.17	\$581.06	\$196.93	\$196.93	\$29.91	\$20.80	
%Utilization-riper:	NA	0	NA	NA	NA	NA	
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12	
Unit Subtotals:	\$508.88	\$1,253.20	\$492.91	\$492.91	\$237.06	\$115.35	
Number of Units:	4	1	1	1	1	1	
Group Subtotals:	Work:	\$3,288.72	Support:	\$985.82	Maint:	\$352.41	

Total work team cost/hour: \$4,626.95

MATERIAL QUANTITIES

Initial volume: 6,599,307 CCY Swell factor: 1.000

Loose volume: **6,599,307** LCY

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$0.00

Total Cost: \$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,800 Pounds/LCY

Description: Granite - Broken

Truck/Loader Worksheet Con	nt'd	Task # A2007			Page 2 of 3	
Payload Capacity: _	175.79	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	153.00	LCY				
Heaped Volume:	192.00	LCY				
Average Volume:	172.50	LCY				
Adjusted Volume:	175.79	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	143.10	LCY	
Loading Tool Capacity						
			Ruck	ket Size Class: N	Α	
Rated Capacity:	53.000	LCY (heaped)	Buch	xet bize class.	111	_
Bucket Fill Factor:	0.675		oorly blasted (60	ı - 75%) 0 675		_
Adjusted Capacity:	35.775	LCY	oony blasted (oo	7370) 0.073		_
Job Condition Corrections:	<u>L</u>	Sit	te Altitude (ft.): 9	9 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB	3)		
Job Efficiency:	0.830	0.830	(CAT HB	,		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Numbe	r of Loading Tool Pas	sses Required to 1	Fill Truck:	4	oasses
Excavators and Front Shove		Č	1			
Machine Cycle Time v Selected Value v						
Track Loaders –						
Cycle Time Elements (min.):		iption				
Load: NA		Ianeuver: NA		Dump: 0.100)	
Wheel and Track Loaders -	— Unadjusted Ba	asic Loader Cycle Tin	ne (load, dump, n	maneuver): 0	.725 min	utes
Cycle Time Factors		•		Factor (min.)	Source	
Material:	Mixed mater	ial 0 02		0.020	(Cat HB)	_
Stockpile:		nt - factor not applical	ble 0 00	0.000	(Cat HB)	_
Truck Ownership:		nership of trucks and		-0.040	(Cat HB)	<u> </u>
Operation:	Constant ope			-0.040	(Cat HB)	_
Dump Target:	Nominal targ			0.000	(Cat HB)	_
•		Net Cycle Tim	e Adjustment:	-0.060	minutes	
		Adjusted Loade	er Cycle Time:	0.665	minutes	
		Net Load Ti	me per Truck:	2.095	minutes	
Truck Cycle Time:						
Truck Exchange Time	: 0.80	Minutes	Adjusted	for site altitude:	0.800	Minute
Truck Load Time						1.11100
	: 2.095	Minutes	Adjusted	for site altitude:	2.138	Minute

Haul Route:

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4606.00	5.20	3.00	8.20	985	4.817

Haul Time: 4.817 minutes

Return Route:

ixcuiii ixc	Juic.					
Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4606.00	-5.20	3.00	-2.20	3503	1.356

Return Time: 1.356 minutes
Total Truck Cycle Time: 10.311 minutes

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour

Truck Unit Production
832.72 LCY/Hour Adjusted for job efficiency: 691.16 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 2,764.64 LCY/Hour Adjusted single truck/loader team production: 2,425.79 LCY/Hour Adjusted multiple truck/loader team production: 2,425.79 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 2,720.48 Hours

Unit cost: \$1.907 /LCY Total job cost: \$12,587,508

Т	Task description:		AGVLF - 10020					
Site:			Perm	nit Action:	2025 Update M1980244	Permit/Job#:	M1980244	
Ī	PROJECT	T IDENTIFIC	<u>CATION</u>					
	Task #:	A2008	State:	Colorado		Abbreviation:	None	
	Date:	6/29/2025	County:	Teller		Filename:	A2008	
	User:	ERR						
I		gency or organic		MS		Shift basis: 1 per day		
<u> </u>	IOUKLI	EQUII MEI	NI COSI	Equi	ipment Description	Siint basis. <u>1 pei day</u>		
		Truck L	oader Team -Truck:		TSU 830E			
			-Loader:	LETOU	IRNEAU L2350			
		Support Equ	uipment -Load Area:	Cat D10	OT - 10SU			
			-Dump Area:		OT - 10SU			
		Road Maintena	ance –Motor Grader:		CAT 16M			
			-Water Truck:	Water T	Canker, 7,000 Gal.			
(Cost Break	down:	Truck/Loader Team		Support Equipme	nt Main	tenance Equipment	

<u>Cost Breakdown:</u>	Truck/Loa	Truck/Loader Team		Equipment	Maintenance Equipment	
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$209.47	\$635.29	\$257.39	\$257.39	\$179.39	\$73.42
Operating cost/hour:	\$274.17	\$581.06	\$196.93	\$196.93	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12
Unit Subtotals:	\$508.88	\$1,253.20	\$492.91	\$492.91	\$237.06	\$115.35
Number of Units:	3	1	1	1	1	1
Group Subtotals:	Work:	\$2,779.84	Support:	\$985.82	Maint:	\$352.41

Total work team cost/hour: \$4,118.07

MATERIAL QUANTITIES

Initial volume: 4,040,912 CCY Swell factor: 1.000

Loose volume: **4,040,912** LCY

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$0.00

Total Cost: \$0.00

t: \$0.00 t:

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,800 Pounds/LCY

Description: Granite - Broken

Rated Payload: 492,200 Pounds

Truck/Loader Worksheet Con	nt'd	Task # A2008			Page 2 of 3	
Payload Capacity: _	175.79	LCY				
Truck Bed (volume) Basis:						
Struck Volume:		LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	175.79	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	143.10	LCY	
Loading Tool Capacity						
			Buck	tet Size Class:	NA	
Rated Capacity:	53.000	LCY (heaped)				-
Bucket Fill Factor:	0.675		oorly blasted (60	- 75%) 0.675		
Adjusted Capacity:	35.775	LCY	sorry erasies (ee	1070) 0.070		
Job Condition Corrections:	<u>L</u>	Sit	e Altitude (ft.): <u>9</u>	<u>9500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB			
-				<u> </u>		
Net Correction:	0.830	0.813				
Looding Tool Cycle Time	Numba	of Loading Tool Dog	ana Dogwinad to I	7:11 Tansales	1	2000
Loading Tool Cycle Time:	Number	of Loading Tool Pas	ses Required to I	fili fruck:	4 p	asses
Excavators and Front Shove	<u>ls:</u>					
Machine Cycle Time v Selected Value v						
Track Loaders –	Material Descr	intion:				
Cycle Time Elements (min.):						
Load: NA	M	Ianeuver: NA		Dump: 0.10	00	
Wheel and Track Loaders -	Unadjusted Ba	sic Loader Cycle Tin	ne (load, dump, n	naneuver):	0.725 minu	tes
Cycle Time Factors]	•		Factor (min.)	Source	
Material:	Mixed materi	al 0 02		0.020	(Cat HB)	-
Stockpile:		nt - factor not applicat	ale 0 00	0.000	(Cat HB)	=
Truck Ownership:		nership of trucks and		-0.040	(Cat HB)	=
Operation:	Constant oper		0.01	-0.040	(Cat HB)	_
Dump Target:	Nominal targ			0.000	(Cat HB)	-
		Net Cycle Tim	e Adjustment:	-0.060	minutes	-
		Adjusted Loade	_	0.665	minutes	
			me per Truck:	2.095	minutes	
Truck Cycle Time:						
Truck Exchange Time	: 0.80	Minutes	Adjusted	for site altitude:	0.800	Minute
Truck Load Time	: 2.095	Minutes	Adjusted	for site altitude:	2.138	N.C
						Minute
k Maneuver and Dump Time	: 1.20	Minutes	Adjusted	for site altitude:	1.200	Minu

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4269.00	2.30	3.00	5.30	1550	3.077

Task # A2008

Haul Time: 3.077 minutes

Return Route:

Ketuiii K	Jule.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4269.00	-2.30	3.00	0.70	3503	1.447

Return Time: 1.447 minutes
Total Truck Cycle Time: 8.662 minutes

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour

Truck Unit Production

991.25 LCY/Hour Adjusted for job efficiency: 822.74 LCY/Hour

Optimal No. of Trucks: _____ 3 ___ Truck(s) Selected Number of Trucks: ____ 3 ___ Truck(s)

Adjusted hourly truck team production: 2,468.22 LCY/Hour Adjusted single truck/loader team production: 2,425.79 LCY/Hour Adjusted multiple truck/loader team production: 2,425.79 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 1,665.81 Hours

Unit cost: \$1.698 /LCY Total job cost: **\$6,859,931**

Task description: AGVI		AGVLF - 10100					
te:	: Cresson Project		Pern	nit Action:	2025 Update M1980244	Permit/Job#:	M1980244
<u>P</u>	PROJECT	<u>IDENTIFI</u>	<u>CATION</u>				
	Task #:	A2009	State:	Colorado		Abbreviation:	None
	Date:	6/29/2025	County:	Teller		Filename:	A2009
	User:	ERR					
<u>H</u>	<u> HOURLY</u>	EQUIPME	NT COST	Faui	pment Description	Shift basis: 1 per day	
		Truck l	Loader Team -Truck:		TSU 830E		
		Truck	-Loader - Loader		RNEAU L2350		
		Support Eq	uipment -Load Area:		Cat D10T - 10SU		
		11 1	-Dump Area:		T - 10SU		 -
	Road Maintenance – Motor Grader:			CAT 16	M		
			-Water Truck:	Water T	Canker, 7,000 Gal.		
C	Cost Break	down:	Truck/Loader Team		Support Equipm	ent Maint	enance Equipment

Cost Breakdown:	Truck/Loa	ader Team	Support 1	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$209.47	\$635.29	\$257.39	\$257.39	\$179.39	\$73.42
Operating cost/hour:	\$274.17	\$581.06	\$196.93	\$196.93	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12
Unit Subtotals:	\$508.88	\$1,253.20	\$492.91	\$492.91	\$237.06	\$115.35
Number of Units:	2	1	1	1	1	1
Group Subtotals:	Work:	\$2,270.96	Support:	\$985.82	Maint:	\$352.41

Total work team cost/hour: \$3,609.19

MATERIAL QUANTITIES

Initial volume: 3,919,057 CCY Swell factor: 1.000

Loose volume: **3,919,057** LCY

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$0.00

Total Cost: \$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,800 Pounds/LCY

Description: Granite - Broken

Rated Payload: 492,200 Pounds

Payload Capacity:	175.79	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	153.00	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	175.79	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	143.10	LCY	
Loading Tool Capacity			.	at at	N	
Data I Canada	52,000	I CW (barred)	Buck	tet Size Class:	NA	_
Rated Capacity:	53.000	LCY (heaped)	- 1 11 1 (60	750() 0 675		=
Bucket Fill Factor:	0.675	Blasted rock - po	porty blasted (60	- /5%) 0.6/5		=
Adjusted Capacity: _	35.775	LCY				
Job Condition Corrections:	<u>-</u>	Sit	e Altitude (ft.): 9	2500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
	-					
Loading Tool Cycle Time:	Number	r of Loading Tool Pas	」 ses Required to I	Fill Truck:	4 p	asses
Loading Tool Cycle Time: Excavators and Front Shovel		r of Loading Tool Pas	ses Required to I	Fill Truck:	4 p	oasses
Excavators and Front Shovel Machine Cycle Time vs	s: s. Job Condition	n Rating: NA	ses Required to I	Fill Truck:	4 p	oasses
Excavators and Front Shovel Machine Cycle Time vs. Selected Value v	s. Job Condition vithin this Basi	n Rating: NA C Rating: NA	ses Required to I	Fill Truck:	4 p	oasses
Excavators and Front Shovel Machine Cycle Time vs	s: s. Job Condition within this Basi Material Descr	n Rating: NA C Rating: NA	ses Required to I	Fill Truck:	4 p	oasses
Excavators and Front Shovel Machine Cycle Time vs. Selected Value vs. Track Loaders –	s: s. Job Condition within this Basi Material Descr	n Rating: NA C Rating: NA	ses Required to I		4 p	oasses
Excavators and Front Shovel Machine Cycle Time vs. Selected Value vs. Track Loaders — Cycle Time Elements (min.):	s: s. Job Condition vithin this Basi Material Descr	n Rating: NA		Dump: 0.		
Excavators and Front Shovel Machine Cycle Time vs. Selected Value vs. Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders –	s: s. Job Condition within this Basi Material Descr	n Rating: NA		Dump: 0.	100 0.725 minu	
Excavators and Front Shovel Machine Cycle Time vs. Selected Value v Track Loaders – Cycle Time Elements (min.): Load: NA	s: s. Job Condition within this Basi Material Descr	n Rating: NA c Rating: NA iption: NA Ianeuver: NA isic Loader Cycle Tim		Dump: 0.	100 0.725 minu	
Excavators and Front Shovel Machine Cycle Time vs. Selected Value vs. Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors	s: s. Job Condition within this Basi Material Descr Multiple Market Manadjusted Barry Mixed material No adjustments	n Rating: NA	ne (load, dump, n	Dump: 0. naneuver): Factor (min.)	100 0.725 minu) Source	
Excavators and Front Shovel Machine Cycle Time vs Selected Value vs Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material:	s: s. Job Condition within this Basi Material Descr Multiple Market Manadjusted Barry Mixed material No adjustments	n Rating: NA C Rating: NA	ne (load, dump, n	Dump: 0. naneuver): Factor (min.) 0.020	100 0.725 minu Source (Cat HB)	
Excavators and Front Shovel Machine Cycle Time vs. Selected Value vs. Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s: s. Job Condition within this Basi Material Description Material Description Material Description Material Description Material Description Material Description Mixed Material No adjustment Common own Constant open	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and iration -0.04	ne (load, dump, n	Dump: 0. naneuver):	100 0.725 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shovel Machine Cycle Time vs. Selected Value vs. Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership:	s: s. Job Condition within this Basi Material Description Material Description Material Description Mixed Mixed material No adjustment Common own	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicate nership of trucks and iration -0.04 et 0.00	ne (load, dump, noble 0.00 loaders -0.04	Dump: 0. naneuver):	100 0.725 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shovel Machine Cycle Time vs. Selected Value vs. Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s: s. Job Condition within this Basi Material Description Material Description Material Description Material Description Material Description Material Description Mixed Material No adjustment Common own Constant open	n Rating: NA	ne (load, dump, noble 0.00 loaders -0.04	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	100 0.725 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Excavators and Front Shovel Machine Cycle Time vs. Selected Value vs. Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s: s. Job Condition within this Basi Material Description Material Description Material Description Material Description Material Description Material Description Mixed Material No adjustment Common own Constant open	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicabenership of trucks and pration -0.04 et 0.00 Net Cycle Time Adjusted Loade	ne (load, dump, noble 0.00 loaders -0.04 loaders - r Cycle Time:	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665	100 O.725 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shovel Machine Cycle Time vs. Selected Value vs. Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s: s. Job Condition within this Basi Material Description Material Description Material Description Material Description Material Description Material Description Mixed Material No adjustment Common own Constant open	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicabenership of trucks and pration -0.04 et 0.00 Net Cycle Time Adjusted Loade	ne (load, dump, noble 0.00 loaders -0.04	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	100 0.725 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Excavators and Front Shovel Machine Cycle Time vs. Selected Value vs. Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s: s. Job Condition within this Basi Material Description Multiple Material Description Multiple Mixed Material No adjustment Common own Constant open	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicabenership of trucks and pration -0.04 et 0.00 Net Cycle Time Adjusted Loade	ne (load, dump, noble 0.00 loaders -0.04 loaders - r Cycle Time:	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665	100 O.725 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shovel Machine Cycle Time vs. Selected Value vs. Track Loaders — Cycle Time Elements (min.): Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	s: s. Job Condition within this Basi Material Descr Unadjusted Ba Mixed materi No adjustmer Common own Constant open Nominal targ	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicabenership of trucks and pration -0.04 et 0.00 Net Cycle Time Adjusted Loade	ne (load, dump, noble 0.00 loaders -0.04 loaders - r Cycle Time: me per Truck:	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665	100 O.725 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	
Excavators and Front Shovel Machine Cycle Time vs. Selected Value vs. Track Loaders – Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	s: s. Job Condition within this Basi Material Description Material Description Material Description Material Description Mixed material No adjustment Common own Constant open Nominal targ	n Rating: NA c Rating: NA iption: Maneuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicate nership of trucks and ration -0.04 et 0.00 Net Cycle Time Adjusted Loade Net Load Ti	ne (load, dump, no loaders -0.04 loaders -0.04 loaders - Truck:	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665 2.095	100 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes minutes minutes minutes	utes - - - -

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1495.00	-4.00	3.00	-1.00	3503	0.508

Haul Time: 0.508 minutes

Return Re	oute:					
Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1495.00	4.00	3.00	7.00	2398	1.000

Return Time: 1.000 minutes
Total Truck Cycle Time: 5.646 minutes

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour

Truck Unit Production
1,520.79 LCY/Hour Adjusted for job efficiency: 1,262.25 LCY/Hour

Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 2,524.51 LCY/Hour Adjusted single truck/loader team production: 2,425.79 LCY/Hour Adjusted multiple truck/loader team production: 2,425.79 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 1,615.58 Hours

Unit cost: \$1.488 /LCY Total job cost: **\$5,830,931**

AGVLF - 10190				
Permi	it Action:	2025 Update M1980244	Permit/Job#:	M1980244
<u>CATION</u>				
State:	Colorado		Abbreviation:	None
County:	Teller		Filename:	A2010
zation name: DRM	MS			
Ization name:DRM		inment Description	Shift basis: 1 per day	
NT COST	Equi	pment Description	Shift basis: 1 per day	
	Equi KOMA'	pment Description TSU 830E RNEAU L2350	Shift basis: 1 per day	
NT COST Loader Team -Truck:	Equi KOMA' LETOU	TSU 830E	Shift basis: 1 per day	
NT COST Loader Team -Truck: -Loader:	Equi KOMA' LETOU Cat D10	TSU 830E RNEAU L2350	Shift basis: 1 per day	
nt COST Loader Team -Truck: -Loader: Lipment -Load Area:	Equi KOMA' LETOU Cat D10 Cat D10 CAT 16	TSU 830E RNEAU L2350)T - 10SU)T - 10SU	Shift basis: 1 per day	
	Perm CATION State:	Permit Action: CATION State: _Colorado	Permit Action: 2025 Update M1980244 CATION State: Colorado	Permit Action: 2025 Update M1980244 Permit/Job#: CATION State: Colorado Abbreviation:

Cost Breakdown:	Truck/Loa	ader Team	Support 1	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$209.47	\$635.29	\$257.39	\$257.39	\$179.39	\$73.42
Operating cost/hour:	\$274.17	\$581.06	\$196.93	\$196.93	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12
Unit Subtotals:	\$508.88	\$1,253.20	\$492.91	\$492.91	\$237.06	\$115.35
Number of Units:	2	1	1	1	1	1
Group Subtotals:	Work:	\$2,270.96	Support:	\$985.82	Maint:	\$352.41

Total work team cost/hour: \$3,609.19

MATERIAL QUANTITIES

Initial volume: 3,562,003 CCY Swell factor: 1.000

Loose volume: **3,562,003** LCY

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$0.00

Total Cost: \$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,800 Pounds/LCY

Description: Granite - Broken

Rated Payload: 492,200 Pounds

Payload Capacity:	175.79	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	153.00	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	175.79	LCY				
Final	Truck Volume	Based on Number of l	Loader Passes:	143.10	LCY	
Loading Tool Capacity			ъ. 1	a: a	37.	
Data I Committee	52,000	LCV (h 1)	Buck	tet Size Class:	NA	
Rated Capacity: _	53.000	LCY (heaped)	l 1-1+l (CO	750() 0.675		=
Bucket Fill Factor:	0.675	Blasted rock - po	oriy biasted (60	- /5%) 0.6/5		=
Adjusted Capacity: _	35.775	LCY				
Job Condition Corrections:	-	Site	Altitude (ft.): 9	<u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:	Number	of Loading Tool Pass	es Required to I	Fill Truck:	4 r	oasses
Loading Tool Cycle Time: Excavators and Front Shovel		of Loading Tool Pass	es Required to I	Fill Truck:	4 F	oasses
Excavators and Front Shovel Machine Cycle Time vs	s: s. Job Condition	n Rating: <u>NA</u>	es Required to I	Fill Truck:	4 p	oasses
Excavators and Front Shovel Machine Cycle Time vs Selected Value v	s: s. Job Condition within this Basic	n Rating: NA NA NA	es Required to I	Fill Truck:	4 F	oasses
Excavators and Front Shovel Machine Cycle Time vs	s: s. Job Condition within this Basic	n Rating: NA NA NA	es Required to I	Fill Truck:	4 F	passes
Excavators and Front Shovel Machine Cycle Time vs Selected Value v Track Loaders –	s: s. Job Condition within this Basic Material Descri	n Rating: NA NA NA	es Required to I		.100	passes
Excavators and Front Shovel Machine Cycle Time vs Selected Value vs Track Loaders — Cycle Time Elements (min.):	s: s. Job Condition within this Basic Material Descri	n Rating: NA		Dump: 0.		
Excavators and Front Shovel Machine Cycle Time vs Selected Value v Track Loaders – 2 Cycle Time Elements (min.): Load: NA Wheel and Track Loaders -	s: s. Job Condition within this Basic Material Descri	n Rating: NA		Dump: 0.	.100 minu	
Excavators and Front Shovel Machine Cycle Time vs Selected Value v Track Loaders – 3 Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors	s: S. Job Condition within this Basic Material Descri	n Rating: NA c Rating: NA iption: NA Ianeuver: NA		Dump: 0. naneuver): Factor (min.)	.100 0.725 minu) Source	
Excavators and Front Shovel Machine Cycle Time vs Selected Value v Track Loaders – 2 Cycle Time Elements (min.): Load: NA Wheel and Track Loaders -	s: s. Job Condition within this Basic Material Descri	n Rating: NA c Rating: NA iption: NA Ianeuver: NA	e (load, dump, n	Dump: 0.	.100 minu	
Excavators and Front Shovel Machine Cycle Time vs Selected Value v Track Loaders – I Cycle Time Elements (min.): Load: NA Wheel and Track Loaders - Cycle Time Factors Material:	s: s. Job Condition within this Basic Material Description M Unadjusted Ba Mixed materic No adjustments	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time	e (load, dump, n	Dump: 0. naneuver): Factor (min.) 0.020	100 0.725 minu) Source (Cat HB)	
Excavators and Front Shovel Machine Cycle Time vs Selected Value vs Track Loaders – 1 Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – 1 Cycle Time Factors Material: Stockpile:	s: s. Job Condition within this Basic Material Description Multiple Managusted Bamixed material No adjustments.	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable nership of trucks and le	e (load, dump, n	Dump: 0. naneuver): Factor (min.) 0.020 0.000	.100 0.725 minu Source (Cat HB) (Cat HB)	
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Excavators and Front Shovel Machine Cycle Time vs Selected Value vs Track Loaders – 1 Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – 2 Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s: s. Job Condition within this Basic Material Describe Museum Mu	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicable retship of trucks and le ration -0.04 et 0.00 Net Cycle Time	e (load, dump, n le 0.00 paders -0.04 Adjustment:	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060	0.725 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
Excavators and Front Shovel Machine Cycle Time vs Selected Value vs Track Loaders – 1 Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – 2 Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	s: s. Job Condition within this Basic Material Describe Museum Mu	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicab nership of trucks and le ration -0.04 et 0.00 Net Cycle Time Adjusted Loader	e (load, dump, n le 0.00 paders -0.04 Adjustment:	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665	0.725 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	
Excavators and Front Shovel Machine Cycle Time vs Selected Value vs Track Loaders – It Cycle Time Elements (min.): Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	s: s. Job Condition within this Basic Material Describe Mused Material Describe Mused Material No adjustment Common own Constant open Nominal target	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicab nership of trucks and le ration -0.04 et 0.00 Net Cycle Time Adjusted Loader	le 0.00 Daders -0.04 Adjustment: Cycle Time: ne per Truck:	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665	100 Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes minutes	
Excavators and Front Shovel Machine Cycle Time vs Selected Value vs Track Loaders – Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	s: s. Job Condition within this Basic Material Description of Material Description of Material Description of Mixed material No adjustment Common own Constant open Nominal target 0.80	n Rating: NA c Rating: NA iption: NA Ianeuver: NA asic Loader Cycle Time al 0.02 nt - factor not applicab nership of trucks and le ration -0.04 et 0.00 Net Cycle Time Adjusted Loader Net Load Time	e (load, dump, no le 0.00 paders -0.04 le Adjustment: Cycle Time: ne per Truck: Adjusted	Dump: 0. naneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.665 2.095	0.725 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes minutes	utes

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3784.00	-6.60	3.00	-3.60	2545	1.600

Haul Time: 1.600 minutes

Return Route:

IXCUITI IXC	Return Route.									
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)				
1	3784.00	6.60	3.00	9.60	1789	2.355				

Return Time: 2.355 minutes
Total Truck Cycle Time: 8.093 minutes

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour

Truck Unit Production
1,060.95 LCY/Hour Adjusted for job efficiency: 880.59 LCY/Hour

Optimal No. of Trucks: 3 Truck(s) Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 1,761.18 LCY/Hour Adjusted single truck/loader team production: 1,761.18 LCY/Hour Adjusted multiple truck/loader team production: 1,761.18 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 2,022.51 Hours

Unit cost: \$2.049 /LCY Total job cost: **\$7,299,640**

T	Task description: AGVLF - 1028		AGVLF - 10280				
ite:			nit Action:	2025 Update M1980244	Permit/Job#:	M1980244	
<u>P</u>	ROJECT	<u> IDENTIFI</u>	<u>CATION</u>				
	Task #:	A2011	State:	Colorado		Abbreviation:	None
	Date:	6/29/2025	County:	Teller		Filename:	A2011
	User:	ERR					
<u>H</u>		gency or organ	ization name: <u>DR</u> NT COST	MS		Shift basis: 1 per day	
				Equi	ipment Description		
		Truck I	Loader Team -Truck:	KOMA	TSU 830E		
			-Loader:	LETOU	RNEAU L2350		
		Support Eq	uipment -Load Area:	Cat D10	OT - 10SU		
			-Dump Area:	Cat D10	OT - 10SU		
		Road Mainten	ance –Motor Grader:	CAT 16	6M		
			-Water Truck:	Water T	Canker, 7,000 Gal.		
C	ost Break	down:	Truck/Loader Team		Support Equipme	ent Maint	enance Equipment

Cost Breakdown:	Truck/Loa	ader Team	Support Equipment		Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$209.47	\$635.29	\$257.39	\$257.39	\$179.39	\$73.42
Operating cost/hour:	\$274.17	\$581.06	\$196.93	\$196.93	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12
Unit Subtotals:	\$508.88	\$1,253.20	\$492.91	\$492.91	\$237.06	\$115.35
Number of Units:	4	1	1	1	1	1
Group Subtotals:	Work:	\$3,288.72	Support:	\$985.82	Maint:	\$352.41

Total work team cost/hour: \$4,626.95

MATERIAL QUANTITIES

Initial volume: _3,477,782 CCY Swell factor: _1.000

Loose volume: 3,477,782 LCY

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$0.00

Total Cost: \$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,800 Pounds/LCY

Description: Granite - Broken

Rated Payload: 492,200 Pounds

Payload Capacity: _	175.79	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	153.00	LCY				
Heaped Volume:	192.00	LCY				
Average Volume:	172.50	LCY				
Adjusted Volume:	175.79	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	143.10	LCY	
Loading Tool Capacity			Ruck	et Size Class: N	٨	
Rated Capacity:	53.000	LCY (heaped)	Duck	et Size Class. N	A	_
Bucket Fill Factor:	0.675		oorly blasted (60 -	75%) 0.675		_
Adjusted Capacity:	35.775	LCY	offy blasted (00 -	1370) 0.013		_
ragusted capacity	35.775					
Job Condition Corrections	<u>L</u>	Sit	e Altitude (ft.): 95	500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)			
Job Efficiency:	0.830	0.830	(CAT HB)			
Net Correction:	0.830	0.813				
Loading Tool Cycle Time:		er of Loading Tool Pas	ses Required to F	ill Truck:	I	passes
Excavators and Front Shove	<u>ls:</u>	·	ses Required to F	ill Truck:		passes
	<u>ls:</u> s. Job Conditio	on Rating: NA	ses Required to F	ill Truck:	_4I	passes
Excavators and Front Shove Machine Cycle Time v	ls: s. Job Condition within this Basi	on Rating: NA NA NA	ses Required to F	ill Truck:	4 I	passes
Excavators and Front Shove Machine Cycle Time v Selected Value	ls: s. Job Condition within this Basi Material Descr	on Rating: NA NA NA	ses Required to F	ill Truck:	4 I	passes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders –	ls: s. Job Condition within this Basi Material Descr	on Rating: NA NA NA	ses Required to F	ill Truck:		passes
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.)	ls: s. Job Condition within this Basi Material Descri	on Rating: NA ic Rating: NA ic Patiention: NA in		Dump: 0.100		
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA	ls: s. Job Condition within this Basi Material Descri	on Rating: NA ic Rating: NA ic Patiention: NA in		Dump: 0.100	<u> </u>	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders –	ls: s. Job Condition within this Base Material Description Unadjusted Base Mixed mater	on Rating: NA ic Rating: NA ic Rating: NA iription: NA iription: NA iription: NA iription iription: NA iription iription: NA iription iription: NA iription	e (load, dump, m	Dump: 0.100 aneuver): 0. Factor (min.) 0.020	725 min	
Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders – Cycle Time Elements (min.) Load: NA Wheel and Track Loaders – Cycle Time Factors Material: Stockpile:	s. Job Condition within this Base Material Description Unadjusted Base Mixed mater No adjustme	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Tim ial 0.02 nt - factor not applicate	e (load, dump, m	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000	725 minu Source (Cat HB) (Cat HB)	
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Excavators and Front Shove Machine Cycle Time v Selected Value Track Loaders — Cycle Time Elements (min.) Load: NA Wheel and Track Loaders — Cycle Time Factors Material: Stockpile: Truck Ownership:	s. Job Condition within this Base Material Description Unadjusted Base Mixed mater No adjustme Common ow	on Rating: NA ic Rating: NA ription: NA Maneuver: NA asic Loader Cycle Time ial 0.02 nt - factor not applicate nership of trucks and levation -0.04 get 0.00	e (load, dump, m	Dump: 0.100 aneuver): 0. Factor (min.) 0.020 0.000 -0.040 -0.040 0.000	725 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
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Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	6052.00	-7.60	3.00	-4.60	1870	3.407

Haul Time: 3.407 minutes

Return Route:

IXCtur.	Return Route.								
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)			
1	6052.00	7.60	3.00	10.60	1734	3.804			

Return Time: 3.804 minutes
Total Truck Cycle Time: 11.349 minutes

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour

Truck Unit Production
756.56 LCY/Hour Adjusted for job eff

Adjusted for job efficiency: 627.94 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 2,511.78 LCY/Hour Adjusted single truck/loader team production: 2,425.79 LCY/Hour Adjusted multiple truck/loader team production: 2,425.79 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 1,433.67 Hours

Unit cost: \$1.907 /LCY Total job cost: \$6,633,516

			IKUCK/LUA	DEK TEAM V	VOKK		
	Task description:	Remove	ROM				
Site	: Cresson Project	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: <u>M</u>	11980244
	PROJECT IDE	NTIFICATION	<u>[</u>				
	Task #: A210 Date: 6/29/ User: ERR	/2025	State: Colora County: Teller	ado	Ab	breviation: No A2	one 2100
	Agency o	r organization nar	ne: DRMS				
	HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day	
-				Equipment Descri	ption		
	,	Truck Loader Tea		MATSU 830E OURNEAU L23	50		
-	Sun	port Equipment -I		D10T - 10SU	30		
	547		ump Area: NA	2101 1050			
-	Road N	Maintenance –Mot	or Grader: CAT	Г 16М			
-		-Wa	ter Truck: Wat	er Tanker, 7,000	Gal.		
	Cost Breakdown:	Truck/Lo	ader Team	Support I	Equipment	Maintena	nce Equipment
		Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%U	ilization-machine:	100	100	100	NA	25	25
Ow	nership cost/hour:	\$209.47	\$635.29	\$257.39	NA	\$179.39	\$73.42
O	perating cost/hour:	\$274.17	\$581.06	\$196.93	NA	\$29.91	\$20.80
(%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripp	er own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
Ri	oper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00
(Operator cost/hour:	\$25.24	\$36.85	\$38.59	NA	\$27.76	\$21.12
	Unit Subtotals:	\$508.88	\$1,253.20	\$492.91	NA	\$237.06	\$115.35
	Number of Units:	2	1	1	0	1	1
	Group Subtotals:	Work:	\$2,270.96	Support:	\$492.91	Maint:	\$352.41
	Total work team co	ost/hour: \$3,116.	28				

MATERIAL QUANTITIES

CCY Initial volume: 12,587 Swell factor: 1.000

Loose volume: 12,587 LCY

> Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

> Material Purchase Cost: \$0.00

> > Total Cost: \$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,800 Pounds/LCY

Description: Granite - Broken

Rated Payload: 492,200 Pounds

Truck/Loader Worksheet Co.	nt'd	Task # A2100			Page 2 of 3	
Payload Capacity:	175.79	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	153.00	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	175.79	LCY				
Final	Truck Volume	Based on Number of L	oader Passes:	143.10	LCY	
Loading Tool Capacity						
			Buck	et Size Class: N	A	=
Rated Capacity:	53.000	LCY (heaped)				
Bucket Fill Factor:	0.675	Blasted rock - poo	orly blasted (60	- 75%) 0.675		=
Adjusted Capacity:	35.775	LCY		,		-
Job Condition Corrections	<u>-</u>	Site	Altitude (ft.): 9	500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.980	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.830	0.813				
Excavators and Front Shove Machine Cycle Time v Selected Value v	<u>ls:</u> s. Job Condition		1		p	oasses
Track Loaders –	Material Descri	ption:		<u></u>		
Cycle Time Elements (min.):						
Load: NA	M	aneuver: NA		Dump: 0.100		
Wheel and Track Loaders -	Unadjusted Ba	sic Loader Cycle Time	(load, dump, m	naneuver):0.	725 minu	ites
Cycle Time Factors				Factor (min.)	Source	_
Material:	Mixed materi			0.020	(Cat HB)	=
Stockpile:		t - factor not applicabl		0.000	(Cat HB)	_
Truck Ownership:		nership of trucks and lo	oaders -0.04	-0.040	(Cat HB)	_
Operation:	Constant oper			-0.040	(Cat HB)	=
Dump Target:	Nominal targe		4.11	0.000	(Cat HB)	=
		Net Cycle Time		-0.060	minutes	
		Adjusted Loader Net Load Tim		0.665 2.095	minutes minutes	
Truck Cycle Time:						
Truck Exchange Time	: 0.80	Minutes	Adiusted	for site altitude:	0.800	Minut
Truck Load Time		Minutes		for site altitude:	2.138	Minut
ck Maneuver and Dump Time		Minutes		for site altitude:	1.200	Minut
1		<u></u>	3	_		=

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1126.00	2.00	3.00	5.00	1550	0.996

Task # A2100

Haul Time: **0.996** minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min) 1126.00 -2.00 3.00 1.00 3503 0.562

Return Time: 0.562 minutes
Total Truck Cycle Time: 5.696 minutes

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour

Truck Unit Production

1,507.44 LCY/Hour Adjusted for job efficiency: 1,251.1

_____1,507.44 LCY/Hour Adjusted for job efficiency: ____1,251.17 LCY/Hour

Optimal No. of Trucks: _____ 2 ___ Truck(s) Selected Number of Trucks: ____ 2 ___ Truck(s)

Adjusted hourly truck team production: 2,502.35 LCY/Hour Adjusted single truck/loader team production: 2,425.79 LCY/Hour Adjusted multiple truck/loader team production: 2,425.79 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **5.19** Hours

Unit cost: \$1.285 /LCY Total job cost: \$16,170

		THE CIT LE	TIDER TEIRIT	VOILI			
Task description:	Remove	DCF and Lin	er				
Site: Cresson Project		Permit Ac	2025 Updat M1980244		Permit/Job#:M	1980244	
PROJECT IDEN	TIFICATION						
Task #: A2200 Date: 6/29/2 User: ERR		State: Col County: Tell	orado er	Ab	breviation: No A2	one 200	
Agency or	organization nar	ne: DRMS					
HOURLY EQUI	PMENT COST	<u>r</u>		Shift bas	is: 1 per day		
			Equipment Descri	intion			
Т	ruck Loader Tea	m -Truck: K	OMATSU 830E	iption			
_			ETOURNEAU L23	350			
Supp	ort Equipment -L		at D10T - 10SU				
11	-Dı		A				
Road M	aintenance –Mot		AT 16M				
	-Wa	ter Truck: V	Water Tanker, 7,000 Gal.				
Cost Breakdown:	Truck/Loa	ader Team	Support	Equipment	Maintenai	nce Equipment	
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck	
%Utilization-machine:	100	100	100	NA	25	25	
Ownership cost/hour:	\$209.47	\$635.29	\$257.39	NA	\$179.39	\$73.42	
Operating cost/hour:	\$274.17	\$581.00	5 \$196.93	NA	\$29.91	\$20.80	
%Utilization-riper:	NA	() NA	NA	NA	NA	
Ripper own. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00	
Ripper op. cost/hour:	NA	\$0.00	\$0.00	NA	\$0.00	\$0.00	
Operator cost/hour:	\$25.24	\$36.85	5 \$38.59	NA	\$27.76	\$21.12	
Unit Subtotals:	\$508.88	\$1,253.20	\$492.91	NA	\$237.06	\$115.35	

Support:

Total work team cost/hour: \$3,116.28

MATERIAL QUANTITIES

Initial volume: 12,587 CCY Swell factor: 1.000

Loose volume: 12,587 LCY

Work:

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$0.00

Total Cost: \$0.00

\$2,270.96

HOURLY PRODUCTION

Truck Capacity:

Number of Units: Group Subtotals:

Truck Payload (weight) Basis:

Material weight: 2,800 Pounds/LCY

Description: Granite - Broken

Rated Payload: 492,200 Pounds

Maint:

\$352.41

0

\$492.91

nt'd	Task # A2200			Page 2 of 3	
175.79	LCY				
175.79	LCY				
Truck Volume	Based on Number of	Loader Passes:	143.10	LCY	
		Buck	et Size Class:	NA	
53.000	LCY (heaped)		_		_
		oorly blasted (60	- 75%) 0.675		=
35.775	LCY	, , , , , , , , , , , , , , , , , , , ,			_
<u>.</u>	Sit	e Altitude (ft.): <u>9</u>	500 feet		
Truck	Loader	Source			
1.000	0.980	(CAT HB)		
0.830	0.830				
0.830	0.813				
	61 U T 15				
Numbe	r of Loading Tool Pas	ses Required to I	fill I ruck:	4 r	basses
<u>ls:</u>					
N	Ianeuver: NA		Dump: 0.10	00	
Unadjusted Ba	asic Loader Cycle Tin	ne (load, dump, n	naneuver):	0.725 minu	utes
			Factor (min)	Source	
Mixed mater	ial 0.02				_
		ole 0.00		· · · · · · · · · · · · · · · · · · ·	_
					_
					_
				(Cat HB)	_
		e Adiustment:	-0.060	minutes	
	•				_
	Aujusteu Loaue	_	0.665	minutes	_
		r Cycle Time: _ me per Truck: _	0.665 2.095	minutes minutes	_
		r Cycle Time:			_
: 0.80		r Cycle Time: _ me per Truck: _			Minute
: 0.80 : 2.095	Net Load Ti	r Cycle Time: _ me per Truck: _ Adjusted	2.095	minutes	Minut Minut
	153.00 192.00 172.50 175.79 Truck Volume 53.000 0.675 35.775 Truck 1.000 0.830 Numbe ls: s. Job Condition within this Basi Material Descr M Unadjusted Basi Mixed mater No adjustment Common ow Constant ope	175.79 LCY 192.00	175.79	175.79 LCY 153.00	175.79

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1126.00	2.00	3.00	5.00	1550	0.996

Haul Time: **0.996** minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min) 1126.00 -2.00 3.00 1.00 3503 0.562

Return Time: 0.562 minutes
Total Truck Cycle Time: 5.696 minutes

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour Truck Unit Production 1,507.44 LCY/Hour Adjusted for job efficiency: 1,251.17 LCY/Hour

Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 2 Truck(s)

Adjusted hourly truck team production: 2,502.35 LCY/Hour Adjusted single truck/loader team production: 2,425.79 LCY/Hour Adjusted multiple truck/loader team production: 2,425.79 LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____ Hours

Unit cost: \$1.285 /LCY Total job cost: \$16,170

Task description:	Cresson	Underground P	ortal Backfill			
Site: Cresson Project	;	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN Task #: A230		State: Colora	ndo	Ah	breviation: No	ne
Date: $\frac{A230}{6/29/2}$		County: Teller	ido			300
User: ERR						
Agency or	r organization nar	ne: DRMS				
HOURLY EQUI	IPMENT COST				is: 1 per day	
	Truck Loader Tea		Equipment Descri 740	ption		
		-Loader: CA	Г 988Н			
Supp	oort Equipment -L		D8T - 8SU			
Road M	ום- Iaintenance –Mot	ump Area: NA or Grader: CA	Г 16М			
			er Tanker, 7,000	Gal.		
G (D 11	TD 1.07		G		3.6.1.	.
Cost Breakdown:	Truck/Los	ader Team Loader	Load Area	Equipment Dump Area	Maintenan Motor Grader	Water Truck
% Utilization-machine:	100	100	100	NA	25	25
Ownership cost/hour:	\$108.25	\$131.26	\$173.32	NA	\$179.39	\$73.42
Operating cost/hour:	\$79.54	\$100.12	\$109.71	NA	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA NA	\$0.00	\$0.00	NA NA	\$0.00	\$0.00
Ripper op. cost/hour: Operator cost/hour:	NA \$25.24	\$0.00 \$36.85	\$0.00 \$38.59	NA NA	\$0.00 \$27.76	\$0.00 \$21.12
Unit Subtotals:	\$23.24	\$268.23	\$321.62	NA NA	\$27.76	\$115.35
Number of Units:	7	1	1	0	1	1
Group Subtotals:	Work:	\$1,759.44	Support:	\$321.62	Maint:	\$352.41
-			z upporu.	4021.02	1/14/11/0	
Total work team co	st/nour: <u>\$2,433.</u>	47				
MATERIAL QU	JANTITIES					
Initial volume		CCY	Swall	factor: 1.000		
Loose volume		LCY		1actor. 1.000		
	ource of estimated		CC&V Provided	Estimata		
	e of estimated swe		Handbook	Estimate		<u> </u>
	Material Purch					
	To	otal Cost:\$0.00)			
HOURLY PRO	DUCTION					
Truck Capacity:						
Truck Payload (wei	ight) Basis:					
Material	weight: 2,800		Pounds/LCY	•		
Descr Rated Pa		e - Broken	Pounds			
Raiculi	a, 10aa. <u>07,000</u>		i Julius			

Truck/Loader Worksheet Co	nt'd	Task #	# A2300			Page 2 of 3	
Payload Capacity:	31.07		LCY				
Truck Bed (volume) Basis:							
Struck Volume:	24.20	LCY					
Heaped Volume:	31.40	LCY					
Average Volume:	27.80	LCY					
Adjusted Volume:	31.07	LCY					
Final	Truck Volum	e Based on Nu	mber of L	Loader Passes:	31.05	LCY	
Loading Tool Capacity							
				Rucl	ket Size Class:	NA	
Rated Capacity:	9.200	LCY (he	annad)	Buci	xct Size Class.	·	_
Bucket Fill Factor:	0.675			orly blasted (60	- 75%) 0.675		=
Adjusted Capacity:	6.210	LCY	rock - poc	only blasted (00	7 - 1370) 0.013		_
rajusted capacity.	0.210	Lei					
Job Condition Corrections	<u>L</u>		Site	Altitude (ft.): 9	9500 feet		
	Truck	Load	er	Source			
Altitude Adj:	0.820	0.950)	(CAT HE	3)		
Job Efficiency:	0.830	0.830)	(CAT HE	3)		
Net Correction:	0.681	0.789	9				
Loading Tool Cycle Time:	Numb	er of Loading '	Fool Pass	es Required to	Fill Truck:	5 t	oasses
Excavators and Front Shove		er or Loading	10011 433	es required to	- III IIuck.	I	7433C3
		an Datinan I	AT A				
Machine Cycle Time v Selected Value			NA NA				
Track Loaders -	Material Desc	cription:					
Cycle Time Elements (min.):							
Load: NA		Maneuver:	NA		Dump: 0.10	00	
Wheel and Track Loaders -	Unadjusted E	Basic Loader C	ycle Time	e (load, dump, r	naneuver):	0.575 min	ıtes
Cycle Time Factors					Factor (min.)	Source	
Material:	Mixed mate	rial 0.02			0.020	(Cat HB)	=
Stockpile:		ent - factor not	applicabl	e 0.00	0.000	(Cat HB)	=
Truck Ownership:		wnership of tru			-0.040	(Cat HB)	
Operation:	Constant op	eration -0.04			-0.040	(Cat HB)	_
Dump Target:	Nominal tar	get 0.00			0.000	(Cat HB)	
		Net Cy	cle Time	Adjustment:	-0.060	minutes	
				Cycle Time:	0.515	minutes	
		Net	Load Tim	ne per Truck:	2.160	minutes	
Truck Cycle Time:							
Truck Exchange Time	: 0.60	Minutes		Adjusted	for site altitude:	0.732	Minutes
Truck Load Time	: 2.160	Minutes		Adjusted	for site altitude:	2.274	Minutes
ick Maneuver and Dump Time		Minutes			for site altitude:	1.220	Minutes
	00			,			

<u>Truck Travel (Haul & Return) Time:</u> maintained 3.0

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	9300.00	10.00	3.00	13.00	708	13.198

Haul Time: **13.198** minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min) -7.00 9300.00 -10.00 3.00 3706 2.587

Return Time: 2.587 minutes
Total Truck Cycle Time: 20.010 minutes

Loading Tool unit

Production Truck Unit Production

93.10 LCY/Hour Adjusted for job efficiency: 514.51 LCY/Hour Adjusted for job efficiency: 77.28 LCY/Hour Optimal No. of Trucks: 7 Truck(s) Selected Number of Trucks: 7 Truck(s)

Adjusted hourly truck team production: 540.93 LCY/Hour Adjusted single truck/loader team production: 514.51 LCY/Hour Adjusted multiple truck/loader team production: 514.51 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 1.15
 Hours

 Unit cost:
 \$4.730
 /LCY
 Total job cost:
 \$2,800

BULLDOZER RIPPING WORK

	Task description:	Foundations	and Buildings	- Ripping				
Site	: Cresson Project		Permit Action:	2025 Update M1980244	Per	mit/Job#:	M198024	14
	PROJECT IDENTIF	<u>ICATION</u>						
	Task #: A3000 Date: 6/29/2025 User: ERR	St. Cour	ate: Colorado aty: Teller)		viation: _ lename: _	None A3000	
	Agency or organ	nization name:	DRMS					
	HOURLY EQUIPME	ENT COST						
	Basic Machine	e: Cat D7R D	S Series II LGP		Horsepower:	2	240	
	Ripper Attachment	t: 3-Shank Ri	pper		Shift Basis:		er day	<u> </u>
	~ ~				Data Source: _	(C	RG)	
	Cost Breakdown:				Utilization %			
	Owne	rship Cost/Hour	:	\$90.24	NA			
		rating Cost/Hour			100			
		rship Cost/Hour ating Cost/Hour		¢5.20	NA 100			
		erator Cost/Hour		\$38.59	NA			
	•	Unit Cost/Hour		\$222.23				
	Total	Fleet Cost/Hour	: \$2	22,23				
	MATERIAL QUANT	<u> 111E8</u>	Se	elected estimating	g method: Area			
	Alternate Methods:					_		
smic: Area:		res	Bank Volume: Rip Depth (ft):	NA 2.50	BCY Volume: 39		NA	BCY or C
				-		,		
		•	iantity: <u>2022</u>	CC&V Provided	Estimate			
	HOURLY PRODUCT	<u> FION</u>						
	Seismic:							
		Seismic	Velocity:	NA	feet/seco	nd		
	Area:							
		Average Rippin		2.45	feet/pass			
		Average Rippin Average Rippin		6.50 184.00	feet/pass feet/pass			
	•	Average Doz		88.00	feet/minu	te		
	I	Average Maneu		0.25	minutes/p	ass		
		Production per	unit area:	0.704	acres/hou	r		
	Job Condition Correction	<u>Factors</u>						
	Unadjusted	l Hourly Unit Pr	oduction:	0.704	Acres/hr			
		Site	Altitude:	9,500	feet			
		Alti	tude Adj:	1.00	(CAT HE			
		Alti Job E	tude Adj:	1.00 0.83	(CAT HE (1 shift/da	ay)		
		Alti Job E	tude Adj:	1.00	(CAT HE	ay)		
		Alti Job E Net Co Adjusted Hourly	tude Adj: Orrection: Unit Production	1.00 0.83 0.83 : 0.58	(CAT HE (1 shift/damultiplier Acres/hr	ay)		
	Ad	Alti Job E Net Co Adjusted Hourly djusted Hourly l	tude Adj: Orrection: Unit Production	1.00 0.83 0.83 : 0.58	(CAT HE (1 shift/d: multiplier	ay)		
		Alti Job E Net Co Adjusted Hourly djusted Hourly l	tude Adj: Orrection: Unit Production	1.00 0.83 0.83 : 0.58	(CAT HE (1 shift/damultiplier Acres/hr	ay)		
	Ad	Alti Job E Net Co Adjusted Hourly djusted Hourly l	tude Adj: fficiency: orrection: Unit Production Fleet Production	1.00 0.83 0.83 : 0.58	(CAT HE (1 shift/da multiplier Acres/hr Acres/hr	ay)	Hou	ırs

Site: Cresson Project	;	Permit Action	2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	NTIFICATION					
Task #:A300		State: Colora		Ab	breviation: No	
Date: <u>6/29/</u> User: ERR	2025	County: Teller			Filename: A30	001
		DDMC				
Agency of	r organization nar	ne: DRMS				
HOURLY EQUI	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day	
	D 17 1 70		Equipment Descri	ption		
	Truck Loader Tea		725 Г 966Н			
Supp	oort Equipment -I	Load Area: Cat	D7R DS Series II			
Pood M	-Di Iaintenance –Mot		D7R DS Series II T 16M	LGP		
Koau W			ter Tanker, 7,000	Gal.		
Cost Ducaled arms	Тт. 1./Г.		Commont 1	C	Maintanan	a Eminorant
Cost Breakdown:	Truck	ader Team Loader	Load Area	Equipment Dump Area	Motor Grader	ce Equipment Water Truck
%Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$119.08	\$57.78	\$90.24	\$90.24	\$179.39	\$73.42
Operating cost/hour:	\$72.97	\$46.25	\$78.95	\$78.95	\$29.91	\$20.80
%Utilization-riper:	NA NA	0	NA \$0.00	NA ¢o oo	NA co oo	NA so oo
Ripper own. cost/hour: Ripper op. cost/hour:	NA NA	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12
Unit Subtotals:	\$217.29	\$140.88	\$207.78	\$207.78	\$237.06	\$115.35
Number of Units:	6	1	1	1	1	1
Group Subtotals:	Work:	\$1,444.62	Support:	\$415.56	Maint:	\$352.41
Total work team co	st/hour: \$2,212.	59				
MATERIAL OF						
MATERIAL QU						
Initial volume		CCY 26 LCY		factor: 1.215		
Loose volume						
	ource of estimated swe		CC&V Provided Handbook	Estimate		
Source	Material Purch					
	То	otal Cost: \$0.00)			
HOURLY PRO	<u>DDUCTION</u>					
Truck Capacity:						
Truck Payload (wei						
Material v	weight: $1,600$ ription: Top So	ni1	Pounds/LCY			
Rated Pa	· — —		Pounds			

Payload Capacity	32.50		LCY				
Truck Bed (volume) Basi	<u>s:</u>						
Struck Volume:		LCY					
Heaped Volume:		LCY					
Average Volume:		LCY					
Adjusted Volume:	18.70	LCY					
F	inal Truck Vol	ume Based	on Number of	Loader Passes:	16.50	LCY	
Loading Tool Capacity							
 				Bucke	et Size Class:	NA	
Rated Capacity	7: 5.000) [10	CY (heaped)	Buch	_	1111	
Bucket Fill Factor				mixtures (100-	120%) 1 100		
Adjusted Capacity			CY	imatures (100	12070) 1.100		
Job Condition Correction	ons: Truck		Sit Loader	e Altitude (ft.): 95 Source	5 <u>00</u> feet		
Altitude Adj:	1.000		1.000	(CAT HB)			
Job Efficiency:	0.830		0.830	(CAT HB)			
300 Efficiency.	0.030		0.030	(C/11 IID)			
Loading Tool Cycle Tin	ovels:		-	ses Required to F	ill Truck:	3	passes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va	ne: Nun ovels: ne vs. Job Condue within this	lition Rating Basic Rating	ding Tool Pas	ses Required to F	ill Truck:	3	passes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade	ne: Numovels: ne vs. Job Conque within this as — Material D	lition Rating Basic Rating	ding Tool Pas	ses Required to F	ill Truck:	3	passes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade	ne: Numovels: ne vs. Job Conque within this as — Material D	lition Rating Basic Rating	g: <u>NA</u> g: <u>NA</u>	ses Required to F		3	passes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade Cycle Time Elements (m	ne: Numovels: ne vs. Job Conductive within this are — Material Dinn.):	lition Rating Basic Rating escription: Maneuve	g: NA NA NA		Dump: <u>0</u> .		passes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade	ne: Numovels: ne vs. Job Conque within this rs – Material Din.): ers - Unadjuste	lition Rating Basic Rating escription: Maneuve	g: NA NA NA		Dump: 0.	0.500	minutes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade Cycle Time Elements (m Load: NA	ne: Numovels: ne vs. Job Conductive within this is — Material Din.): ers - Unadjuste	lition Rating Basic Rating escription: Maneuve	g: NA NA NA		Dump: <u>0</u> .	0.500	minutes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Factor	ne: Numovels: ne vs. Job Conductive within this is — Material Din.): ers - Unadjuste ors Mixed m	lition Rating Basic Rating escription: Maneuve d Basic Loa aterial 0.02	g: NA NA NA	ne (load, dump, m	Dump: 0. aneuver): Factor (min.)	100 0.500 Sour	minutes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Factor Materia	ne: Numovels: ne vs. Job Conque within this is — Material Din.): ers - Unadjuste ors Mixed mile: No adjus	dition Rating Basic Rating escription: Maneuve d Basic Loa aterial 0.02 tment - factor	g: NA g: NA NA rr: NA der Cycle Tim	ne (load, dump, m	Dump: 0. aneuver): Factor (min.) 0.020	0.500 Sour (Cat H	minutes ce HB)
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Factor Materi Stockpi	ne: Numovels: ne vs. Job Conque within this rs – Material Din.): ers - Unadjuste ors al: Mixed material properties of the conditions of	dition Rating Basic Rating escription: Maneuve d Basic Loa aterial 0.02 tment - factor	g: NA g: NA nr: NA der Cycle Tim or not applicatoof trucks and	ne (load, dump, m	Dump: 0. aneuver): Factor (min.) 0.020 0.000	0.500 Sour (Cat H	minutes ce IB) IB)
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi Truck Ownersh	ne: Numovels: ne vs. Job Conque within this rs – Material Din.): ers - Unadjuste ors al: Mixed me: No adjus p: Common n: Constant	dition Rating Basic Rating escription: Maneuve d Basic Loa aterial 0.02 tment - factor ownership operation - target 0.00	g: NA g: NA nr: NA der Cycle Tim or not applicate of trucks and 10.04	ne (load, dump, m	Dump: _0. aneuver): Factor (min.) 0.020 0.000 -0.040	0.500 Sour (Cat F (Cat F (Cat F	minutes ce IB) IB) IB)
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi Truck Ownershi Operation	ne: Numovels: ne vs. Job Conque within this rs – Material Din.): ers - Unadjuste ors al: Mixed me: No adjus p: Common n: Constant	dition Rating Basic Rating escription: Maneuve d Basic Loa aterial 0.02 tment - factor ownership operation - target 0.00	g: NA g: NA nr: NA der Cycle Tim or not applicat of trucks and 1 0.04 Net Cycle Tim	ne (load, dump, mole 0.00 loaders -0.04 load	Dump: 0. aneuver):	0.500 Sour (Cat F (Cat F (Cat F (Cat F	minutes ce IB) IB) IB) IB)
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi Truck Ownershi Operation	ne: Numovels: ne vs. Job Conque within this rs – Material Din.): ers - Unadjuste ors al: Mixed me: No adjus p: Common n: Constant	dition Rating Basic Rating escription: Maneuve d Basic Loa aterial 0.02 tment - factor ownership operation - target 0.00	g: NA g: NA nr: NA der Cycle Tim or not applicate of trucks and 10.04 Net Cycle Tim djusted Loade	ne (load, dump, m ole 0.00 loaders -0.04 e Adjustment: r Cycle Time:	Dump: 0. aneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.440	0.500 Sour (Cat F (Cat F (Cat F (Cat F minu minu minu	minutes ce IB) IB) IB) IB) tes tes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi Truck Ownershi Operation	ne: Numovels: ne vs. Job Conque within this rs – Material Din.): ers - Unadjuste ors al: Mixed me: No adjus p: Common n: Constant	dition Rating Basic Rating escription: Maneuve d Basic Loa aterial 0.02 tment - factor ownership operation - target 0.00	g: NA g: NA nr: NA der Cycle Tim or not applicate of trucks and 10.04 Net Cycle Tim djusted Loade	ne (load, dump, mole 0.00 loaders -0.04 load	Dump: 0. aneuver):	0.500 Sour (Cat F	minutes ce IB) IB) IB) IB) tes tes
Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi Truck Ownershi Operation	ne: Numovels: ne vs. Job Conque within this rs – Material Din.): ers - Unadjuste ors al: Mixed me: No adjus p: Common n: Constant	dition Rating Basic Rating escription: Maneuve d Basic Loa aterial 0.02 tment - factor ownership operation - target 0.00	g: NA g: NA nr: NA der Cycle Tim or not applicate of trucks and 10.04 Net Cycle Tim djusted Loade	ne (load, dump, m ole 0.00 loaders -0.04 e Adjustment: r Cycle Time:	Dump: 0. aneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.440	0.500 Sour (Cat F (Cat F (Cat F (Cat F minu minu minu	minutes ce IB) IB) IB) IB) tes tes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi Truck Ownershi Operatio Dump Targ	ne: Numovels: ne vs. Job Conque within this is ses – Material Dian.): ers - Unadjuste ors al: Mixed mise: No adjuste or Common nic Constant et: Nominal	dition Rating Basic Rating escription: Maneuve d Basic Loa aterial 0.02 tment - factor operation - target 0.00	g: NA g: NA nr: NA der Cycle Tim or not applicate of trucks and 10.04 Net Cycle Tim djusted Loade	ne (load, dump, m ole 0.00 loaders -0.04 e Adjustment: r Cycle Time: me per Truck:	Dump: 0. aneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.440	0.500 Sour (Cat F (Cat F (Cat F (Cat F minu minu minu	ce IB) IB) IB) IB) IB) tes tes tes
Loading Tool Cycle Tin Excavators and Front Sh Machine Cycle Tin Selected Va Track Loade Cycle Time Elements (m Load: NA Wheel and Track Loade Cycle Time Facto Materi Stockpi Truck Ownersh Operatio Dump Targ	ne: Numovels: ne vs. Job Conque within this rs – Material Din.): ers - Unadjuste ors al: Mixed m ne: No adjus p: Common n: Constant et: Nominal	dition Rating Basic Rating escription: Maneuve d Basic Loa aterial 0.02 tment - factor ownership operation - target 0.00 A	g: NA g: NA nr: NA der Cycle Tim or not applicate of trucks and 10.04 Net Cycle Tim djusted Loade Net Load Ti	ne (load, dump, mole 0.00 loaders -0.04 loaders -0.04 loaders -Truck:	Dump: 0. aneuver): Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.440 0.980	0.500 Sour (Cat H (Cat H (Cat H (Cat H (Cat H minu minu minu minu minu minu minu minu	minutes ce IB) IB) IB) IB) tes tes tes Mi

5100.00

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	5100.00	3.00	3.00	6.00	1171	4.426

Haul Time: **4.426** minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min)

3.00

-3.00

Return Time: 1.744 minutes
Total Truck Cycle Time: 8.550 minutes

3159

1.744

Loading Tool unit

Production 668.92 LCY/Hour Adjusted for job efficiency: 555.20 LCY/Hour Truck Unit Production

0.00

_____115.79 LCY/Hour Adjusted for job efficiency: _____96.11 LCY/Hour

Optimal No. of Trucks: _____6 Truck(s) Selected Number of Trucks: ____6 Truck(s)

Adjusted hourly truck team production: 576.63 LCY/Hour Adjusted single truck/loader team production: 555.20 LCY/Hour Adjusted multiple truck/loader team production: 555.20 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 69.75
 Hours

 Unit cost:
 \$3.985
 /LCY
 Total job cost:
 \$154,329

Site: Cresson Project		Permit Action	2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	NTIFICATION	<u> </u>				
Task #: A300)2	State: Colora	ado	Ab	breviation: No	ne
Date: 6/29/	2025	County: Teller			Filename: A30	002
User: ERR						
Agency of	r organization nar	ne: DRMS				
HOURLY EQUI	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day	
]	Equipment Descri	ption		
,	Truck Loader Tea					
Supr	oort Equipment -I		Γ 966H D7R DS Series II	LGP		
	-D	ump Area: Cat	D7R DS Series II			
Road M	Iaintenance –Mot		T 16M ter Tanker, 7,000	Gal		
	- ** 2	ner fruck. Wat	ici Talikci, 7,000	Gai.		
Cost Breakdown:		ader Team		Equipment		ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
% Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$119.08	\$57.78	\$90.24	\$90.24	\$179.39	\$73.42
Operating cost/hour:	\$72.97	\$46.25	\$78.95	\$78.95	\$29.91	\$20.80
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	NA \$0.00	NA \$0.00	NA \$0.00	NA \$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12
Unit Subtotals:	\$217.29	\$140.88	\$207.78	\$207.78	\$237.06	\$115.35
Number of Units:	9	1	1	1	1	1
Group Subtotals:	Work:	\$2,096.49	Support:	\$415.56	Maint:	\$352.41
Total work team co	st/hour: \$2,864.	46				
MATERIAL QU	<u>JANTITIES</u>					
Initial volume		CCY		factor: 1.215		
Loose volume	2: 3,03	4 LCY				
	ource of estimated		CC&V Provided	Estimate		
Source	e of estimated swe Material Purch		Handbook)			
		otal Cost: \$0.00				
HOUDI W PP	DIIOTIAN					
HOURLY PRO	DUCTION					
Truck Capacity:	. 1.0 D					
Truck Payload (we Material			Pounds/LCY			
Desc	ription: Top So					
Rated P	ayload: <u>52,000</u>		Pounds			

Truck/Loader Worksheet Cor	nt'd	Task # A3002			Page 2 of 3	
Payload Capacity:	32.50	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	14.50	LCY				
Heaped Volume:	18.70	LCY				
Average Volume:	16.60	LCY				
Adjusted Volume:	18.70	LCY				
Final	Truck Volume	Based on Number of I	Loader Passes:	16.50	LCY	
Loading Tool Capacity						
			Ruck	et Size Class: N	Λ	
Data I Committee	<i>5</i> ,000	LCW (harman)	Duck	et Size Class. 1	А	_
Rated Capacity:	5.000	CY (heaped) Other - rock/dirt	:(100	1200/ \ 1 100		=
Bucket Fill Factor: _ Adjusted Capacity: _	1.100 5.500	LCY	mxtures (100-	-120%) 1.100		_
Job Condition Corrections:		Site	Altitude (ft.): 9	500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	1.000	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB			
Net Correction:	0.830	0.830				
Loading Tool Cycle Time:	Number	of Loading Tool Pass	es Required to I	Fill Truck:	3	passes
Excavators and Front Shovel	s:					
Machine Cycle Time vs	s. Job Condition	n Rating: NA				
Selected Value v	vithin this Basic	c Rating: NA				
Track Loaders –	Material Descri	ption:				
Cycle Time Elements (min.):						
Load: NA	M	aneuver: NA		Dump: 0.100)	
Wheel and Track Loaders -	Unadjusted Ba	sic Loader Cycle Time	e (load, dump, n	naneuver): 0.	.500 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materi	al 0.02		0.020	(Cat HB)	
Stockpile:	No adjustmen	t - factor not applicabl	e 0.00	0.000	(Cat HB)	
Truck Ownership:	Common owr	nership of trucks and lo	oaders -0.04	-0.040	(Cat HB)	
Operation:	Constant oper			-0.040	(Cat HB)	_
Dump Target:	Nominal targe			0.000	(Cat HB)	_
		Net Cycle Time	_	-0.060	minutes	
		Adjusted Loader		0.440	minutes	
		Net Load Tin	ne per Truck: _	0.980	minutes	
Truck Cycle Time:						
Truck Exchange Time:	0.50	Minutes	Adjusted	for site altitude:	0.500	Miı
Truck Load Time:	0.980	Minutes	Adjusted	for site altitude:	0.980	Mir
ck Maneuver and Dump Time:	0.90	Minutes	Adjusted	for site altitude:	0.900	Mir

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	8300.00	5.00	3.00	8.00	936	8.915

Haul Time: **8.915** minutes Return Route: Total Res Travel Seg# Haul Distance Grade (%) Roll. Res Velocity Time (Ft) (%) (%) (fpm) (min) -2.00 8300.00 -5.00 3.00 3159 2.709

> 2.709 Return Time: minutes Total Truck Cycle Time: 14.004 minutes

Loading Tool unit

Adjusted for job efficiency: 555.20 LCY/Hour Production 668.92 LCY/Hour Truck Unit Production Adjusted for job efficiency: 58.68 LCY/Hour

Optimal No. of Trucks: 9 Truck(s) Selected Number of Trucks: 9 Truck(s)

70.69 LCY/Hour

Adjusted hourly truck team production: 528.08 LCY/Hour Adjusted single truck/loader team production: 528.08 LCY/Hour Adjusted multiple truck/loader team production: LCY/Hour 528.08

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 5.75 Hours

Total job cost: _____**\$16,456** Unit cost: \$5.424 /LCY

Site: Cresson Project	;	Permit Action	2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	NTIFICATION	<u> </u>				
Task #: A300	03	State: Colora	ado	Ab	breviation: No	ne
Date: 6/29/	2025	County: Teller			Filename: A3	003
User: ERR						
Agency of	r organization nar	ne: DRMS				
HOURLY EQUI	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day	
]	Equipment Descri	ption		
,	Truck Loader Tea					
Supr	oort Equipment -I		Γ 966H D7R DS Series II	LGP		
	-D	ump Area: Cat	D7R DS Series II			
Road M	Iaintenance –Mot		T 16M ter Tanker, 7,000	Gal		
	- ** 2	ner fruck. Wat	ici Talikci, 7,000	Gai.		
Cost Breakdown:		ader Team		Equipment		ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
% Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$119.08	\$57.78	\$90.24	\$90.24	\$179.39	\$73.42
Operating cost/hour:	\$72.97	\$46.25	\$78.95	\$78.95	\$29.91	\$20.80
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	NA \$0.00	NA \$0.00	NA \$0.00	NA \$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12
Unit Subtotals:	\$217.29	\$140.88	\$207.78	\$207.78	\$237.06	\$115.35
Number of Units:	10	1	1	1	1	1
Group Subtotals:	Work:	\$2,313.78	Support:	\$415.56	Maint:	\$352.41
Total work team co	st/hour: \$3,081.	75				
MATERIAL QU	<u>JANTITIES</u>					
Initial volume		CCY		factor: 1.215		
Loose volume	e: 6,35	LCY				
	ource of estimated		CC&V Provided	Estimate		
Source	e of estimated swe Material Purch		Handbook)			
	To	otal Cost: \$0.00				
HOHDI W PP	DUCTION					
HOURLY PRO	DUCTION					
Truck Capacity: Truck Payload (we	ight) Rasis:					
Material v			Pounds/LCY			
Desc	ription: Top So					
Rated P	ayload: <u>52,000</u>		Pounds			

Truck/Loader Worksheet Cor	nt'd	Task # A3003	3		Page 2 of 3	
Payload Capacity:	32.50	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	14.50	LCY				
Heaped Volume:	18.70	LCY				
Average Volume:		LCY				
Adjusted Volume:	18.70	LCY				
Final	Truck Volume	Based on Number of	f Loader Passes:	16.50	LCY	
Loading Tool Capacity						
			Buck	et Size Class: N	A	
Rated Capacity:	5.000	LCY (heaped)	2001	<u></u>		_
Bucket Fill Factor:	1.100		t mixtures (100-	120%) 1.100		_
Adjusted Capacity:	5.500	LCY	t illintares (100	120,0) 1.100		_
Job Condition Corrections:		Si	te Altitude (ft.): 9	500 feet		
oo condition corrections.	Truck	Loader	Source	<u>200</u> 1001		
Altitude Adj:	1.000	1.000	(CAT HB)	<u> </u>		
Job Efficiency:	0.830	0.830	(CAT HB)			
Job Entiretency.	0.030	0.030	(CITI IID)	,		
Net Correction:	0.830	0.830				
Loading Tool Cycle Time:	Number	of Loading Tool Pa	sses Required to F	ill Truck:	3 1	passes
Excavators and Front Shovel	<u>ls:</u>	-	_			
Machine Cycle Time v	s. Job Condition	n Rating: NA				
Selected Value v	vithin this Basi	c Rating: NA				
Track Loaders –	Material Descri	ption:				
Cycle Time Elements (min.):						
Load: NA	M	aneuver: NA		Dump: 0.100)	
Wheel and Track Loaders -	Unadjusted Ba	sic Loader Cycle Tir	me (load, dump, m	naneuver):0	.500 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materi	al 0.02		0.020	(Cat HB)	
Stockpile:	No adjustmer	t - factor not applica	ble 0.00	0.000	(Cat HB)	_
Truck Ownership:		nership of trucks and	loaders -0.04	-0.040	(Cat HB)	_
Operation:	Constant oper			-0.040	(Cat HB)	_
Dump Target:	Nominal targe		4 1	0.000	(Cat HB)	_
			ne Adjustment:	-0.060	minutes	
		Adjusted Load Net Load T	er Cycle 11me: _ ime per Truck:	0.440 0.980	_ minutes minutes	
Truck Cycle Time:		1100 2000 1		0,200	_	
Truck Exchange Time	: 0.50	Minutes	A dinated 4	for site altitude:	0.500	Minutes
_			· ·	_		_
Truck Load Time		Minutes	3	for site altitude:	0.980	Minutes
ck Maneuver and Dump Time	0.90	Minutes	Adjusted f	for site altitude:	0.900	Minutes

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	9300.00	10.00	3.00	13.00	586	15.888

Haul Time: **15.888** minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min) -7.00 9300.00 -10.00 3.00 3159 3.035

Return Time: 3.035 minutes
Total Truck Cycle Time: 21.303 minutes

Loading Tool unit

Production 668.92 LCY/Hour Adjusted for job efficiency: 555.20 LCY/Hour Truck Unit Production 46.47 LCY/Hour Adjusted for job efficiency: 38.57 LCY/Hour

Optimal No. of Trucks: 14 Truck(s) Selected Number of Trucks: 10 Truck(s)

Adjusted hourly truck team production: 385.72 LCY/Hour Adjusted single truck/loader team production: 385.72 LCY/Hour Adjusted multiple truck/loader team production: 385.72 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 16.47
 Hours

 Unit cost:
 \$7.990
 /LCY
 Total job cost:
 \$50,750

%Utilization-machine: 100 100 100 100 25 Ownership cost/hour: \$119.08 \$57.78 \$90.24 \$90.24 \$179.39 Operating cost/hour: \$72.97 \$46.25 \$78.95 \$78.95 \$29.91 %Utilization-riper: NA 0 NA NA NA Ripper own. cost/hour: NA \$0.00 \$0.00 \$0.00 \$0.00 Ripper op. cost/hour: NA \$0.00 \$0.00 \$0.00 \$0.00 Operator cost/hour: \$25.24 \$36.85 \$38.59 \$38.59 \$27.76 Unit Subtotals: \$217.29 \$140.88 \$207.78 \$237.06 Number of Units: 10 1 1 1 1 Group Subtotals: Work: \$2,313.78 Support: \$415.56 Maint: \$35.5 MATERIAL QUANTITIES Initial volume: 43,716 CCY Swell factor: 1.215	25 \$73.42 \$20.80 NA
Date: 6/29/2025 County: Teller Filename: A3004	25 \$73.42 \$20.80
Agency or organization name: DRMS	25 \$73.42 \$20.80
Agency or organization name: DRMS	25 \$73.42 \$20.80
Equipment Description	25 \$73.42 \$20.80
Equipment Description	25 \$73.42 \$20.80
Truck Loader Team - Truck: -Loader: Support Equipment - Load Area: -Dump Area -Dump	25 \$73.42 \$20.80
Truck Loader Team - Truck: -Loader: Support Equipment - Load Area: -Dump Area -Dump	25 \$73.42 \$20.80
Support Equipment - Load Area: -Dump Area: Cat D7R DS Series II LGP Cat D7R DS Series II LGP	25 \$73.42 \$20.80
Cat D7R DS Series II LGP CAT 16M Water Tanker, 7,000 Gal.	25 \$73.42 \$20.80
Cost Breakdown: Truck/Loader Team Support Equipment Maintenance Motor Grader Watten Motor Grader Watten Motor Grader Watten Motor Grader Watten Motor Grader Motor	25 \$73.42 \$20.80
Cost Breakdown: Truck/Loader Team Support Equipment Maintenance Equipment Maintenance Equipment %Utilization-machine: 100 100 100 100 25 Ownership cost/hour: \$119.08 \$57.78 \$90.24 \$90.24 \$179.39 Operating cost/hour: \$72.97 \$46.25 \$78.95 \$78.95 \$29.91 %Utilization-riper: NA 0 NA NA NA Ripper own. cost/hour: NA \$0.00 \$0.00 \$0.00 \$0.00 Ripper op. cost/hour: NA \$0.00 \$0.00 \$0.00 \$0.00 Operator cost/hour: \$25.24 \$36.85 \$38.59 \$38.59 \$27.76 Unit Subtotals: \$217.29 \$140.88 \$207.78 \$207.78 \$237.06 Number of Units: 10 1 1 1 1 1 Group Subtotals: Work: \$2,313.78 Support: \$415.56 Maint: \$35.00 MATERIAL QUANTITIES Initial volume: <td>25 \$73.42 \$20.80</td>	25 \$73.42 \$20.80
Truck Loader Load Area Dump Area Motor Grader Wat Wa	25 \$73.42 \$20.80
Truck Loader Load Area Dump Area Motor Grader Wat Wat Willization-machine: 100 100 100 100 25	25 \$73.42 \$20.80
Ownership cost/hour: \$119.08 \$57.78 \$90.24 \$90.24 \$179.39 Operating cost/hour: \$72.97 \$46.25 \$78.95 \$78.95 \$29.91 %Utilization-riper: NA 0 NA NA NA Ripper own. cost/hour: NA \$0.00 \$0.00 \$0.00 \$0.00 Ripper op. cost/hour: NA \$0.00 \$0.00 \$0.00 \$0.00 Operator cost/hour: \$25.24 \$36.85 \$38.59 \$38.59 \$27.76 Unit Subtotals: \$217.29 \$140.88 \$207.78 \$207.78 \$237.06 Number of Units: 10 1 1 1 1 1 Group Subtotals: Work: \$2,313.78 Support: \$415.56 Maint: \$35.95 MATERIAL QUANTITIES Initial volume: 43,716 CCY Swell factor: 1.215	\$73.42 \$20.80
Operating cost/hour: \$72.97 \$46.25 \$78.95 \$78.95 \$29.91 % Utilization-riper: NA 0 NA NA NA Ripper own. cost/hour: NA \$0.00 \$0.00 \$0.00 \$0.00 Ripper op. cost/hour: NA \$0.00 \$0.00 \$0.00 \$0.00 Operator cost/hour: \$25.24 \$36.85 \$38.59 \$38.59 \$27.76 Unit Subtotals: \$217.29 \$140.88 \$207.78 \$207.78 \$237.06 Number of Units: 10 1 1 1 1 1 Group Subtotals: Work: \$2,313.78 Support: \$415.56 Maint: \$35.50 MATERIAL QUANTITIES Initial volume: 43,716 CCY Swell factor: 1.215	\$20.80
%Utilization-riper: NA 0 NA NA NA Ripper own. cost/hour: NA \$0.00 \$0.00 \$0.00 \$0.00 Ripper op. cost/hour: NA \$0.00 \$0.00 \$0.00 \$0.00 Operator cost/hour: \$25.24 \$36.85 \$38.59 \$38.59 \$27.76 Unit Subtotals: \$217.29 \$140.88 \$207.78 \$207.78 \$237.06 Number of Units: 10 1 1 1 1 Group Subtotals: Work: \$2,313.78 Support: \$415.56 Maint: \$35.56 MATERIAL QUANTITIES Initial volume: 43,716 CCY Swell factor: 1.215	-
Ripper own. cost/hour: NA \$0.00 \$0.00 \$0.00 \$0.00 Ripper op. cost/hour: NA \$0.00 \$0.00 \$0.00 \$0.00 Operator cost/hour: \$25.24 \$36.85 \$38.59 \$38.59 \$27.76 Unit Subtotals: \$217.29 \$140.88 \$207.78 \$207.78 \$237.06 Number of Units: 10 1 1 1 1 1 Group Subtotals: Work: \$2,313.78 Support: \$415.56 Maint: \$35.55 MATERIAL QUANTITIES Initial volume: 43,716 CCY Swell factor: 1.215	NΔ
Ripper op. cost/hour: NA \$0.00 \$0.00 \$0.00 \$0.00 Operator cost/hour: \$25.24 \$36.85 \$38.59 \$38.59 \$27.76 Unit Subtotals: \$217.29 \$140.88 \$207.78 \$207.78 \$237.06 Number of Units: 10 1 1 1 1 Group Subtotals: Work: \$2,313.78 Support: \$415.56 Maint: \$35.55 MATERIAL QUANTITIES Initial volume: 43,716 CCY Swell factor: 1.215	
Operator cost/hour: \$25.24 \$36.85 \$38.59 \$38.59 \$27.76 Unit Subtotals: \$217.29 \$140.88 \$207.78 \$207.78 \$237.06 Number of Units: 10 1 1 1 1 1 Group Subtotals: Work: \$2,313.78 Support: \$415.56 Maint: \$35. Total work team cost/hour: \$3,081.75	\$0.00
Unit Subtotals: \$217.29 \$140.88 \$207.78 \$207.78 \$237.06 Number of Units: 10 1 1 1 1 1 Group Subtotals: Work: \$2,313.78 Support: \$415.56 Maint: \$35.56 Total work team cost/hour: \$3,081.75 MATERIAL QUANTITIES Initial volume: 43,716 CCY Swell factor: 1.215	\$0.00 \$21.12
Number of Units: 10 1 1 1 1 1 Group Subtotals: Work: \$2,313.78 Support: \$415.56 Maint: \$35.56 Total work team cost/hour: \$3,081.75 MATERIAL QUANTITIES Initial volume: 43,716 CCY Swell factor: 1.215	\$115.35
Group Subtotals: Work: \$2,313.78 Support: \$415.56 Maint: \$355 Total work team cost/hour: \$3,081.75 MATERIAL QUANTITIES Initial volume: 43,716 CCY Swell factor: 1.215	1
Total work team cost/hour: \$3,081.75 MATERIAL QUANTITIES Initial volume: 43,716 CCY Swell factor: 1.215	
MATERIAL QUANTITIES Initial volume: 43,716 CCY Swell factor: 1.215	
Initial volume: 43,716 CCY Swell factor: 1.215	
	
Loose volume: 53,115 LCY	
Source of estimated volume: 2022 CC&V Provided Estimate	
Source of estimated swell factor: Cat Handbook	
Material Purchase Cost: \$0.00	
Total Cost: \$0.00	
HOURLY PRODUCTION	
Truck Capacity:	
Truck Payload (weight) Basis:	
Material weight: 1,600 Pounds/LCY	
Description: Top Soil Rated Payload: 52,000 Pounds	

Truck/Loader Worksheet Con	t'd	Task # A3004	ļ		Page 2 of 3	
Payload Capacity:	32.50	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	14.50	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	18.70	LCY				
Final 7	Гruck Volume	Based on Number of	Loader Passes:	16.50	LCY	
Loading Tool Capacity						
			Bucl	ket Size Class: N	JA	
Rated Capacity:	5.000	LCY (heaped)	Buci		12.2	
Bucket Fill Factor:	1.100		t mixtures (100	-120%) 1 100		_
Adjusted Capacity:	5.500	LCY	t mixtures (100	120/0) 1.100		_
Job Condition Corrections:		Si	te Altitude (ft.): 9	9 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	1.000	(CAT HB	5)		
Job Efficiency:	0.830	0.830	(CAT HB	·		
Net Correction:	0.830	0.830				
Loading Tool Cycle Time:	Number	of Loading Tool Pa	sses Required to 1	Fill Truck:	3	passes
Excavators and Front Shovels	<u>s:</u>					
Machine Cycle Time vs	. Job Conditio	n Rating: NA				
Selected Value w						
Track Loaders – N	Material Descr	iption:				
Cycle Time Elements (min.):						
Load: NA	N	Ianeuver: NA		Dump: 0.10	0	
Wheel and Track Loaders -	Unadjusted Ba	sic Loader Cycle Tir	ne (load, dump, r	naneuver):	0.500 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materi	al 0.02		0.020	(Cat HB)	
Stockpile:		nt - factor not applica		0.000	(Cat HB)	
Truck Ownership:		nership of trucks and	loaders -0.04	-0.040	(Cat HB)	_
Operation:	Constant ope			-0.040	(Cat HB)	_
Dump Target:	Nominal targ			0.000	(Cat HB)	_
			ne Adjustment:	-0.060	_ minutes	
		Adjusted Load Net Load T	ime per Truck:	0.440	_ minutes minutes	
Truck Cycle Time:			-		_	
Truck Exchange Time:	0.50	Minutes	Adjusted	for site altitude:	0.500	Minut
Truck Load Time:	0.980	Minutes		for site altitude:	0.980	Minut
ck Maneuver and Dump Time:		Minutes	3	for site altitude:	0.900	Minu

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	10300.00	3.00	3.00	6.00	1171	8.866

Haul Time: **8.866** minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min) 10300.00 -3.00 3.00 0.00 3159 3.390

Return Time: 3.390 minutes
Total Truck Cycle Time: 14.636 minutes

Loading Tool unit

Production 668.92 LCY/Hour Adjusted for job efficiency: 555.20 LCY/Hour Truck Unit Production 67.64 LCY/Hour Adjusted for job efficiency: 56.14 LCY/Hour

Optimal No. of Trucks: 10 Truck(s) Selected Number of Trucks: 10 Truck(s)

Adjusted hourly truck team production: 561.42 LCY/Hour Adjusted single truck/loader team production: 555.20 LCY/Hour Adjusted multiple truck/loader team production: 555.20 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 95.67
 Hours

 Unit cost:
 \$5.551
 /LCY
 Total job cost:
 \$294,824

Task description:	Founda	tions and Buildin	ngs - B&G and T	opsoil - 11.4k Ha	ul	
Site: Cresson Project	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE		State: Colora	ado	Ab	breviation: No	ne
		County: Teller			Filename: A30	005
User: ERR						
Agency o	r organization nar	ne: DRMS				
HOURLY EQU	IPMENT COST	 "			is: 1 per day	
-	Truck Loader Tea		Equipment Descri 725	ption		
		-Loader: CAT	Г 966Н			
Sup	port Equipment -I		D7R DS Series II D7R DS Series II			
Road N	ת Maintenance –Mot		D/R DS Series II Г 16М	LGP		
			er Tanker, 7,000	Gal.		
Cost Devel-Lance	T 1 / T	. 1 T	C	F	Maintenan	E
Cost Breakdown:	Truck	ader Team Loader	Load Area	Equipment Dump Area	Motor Grader	ce Equipment Water Truck
% Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$119.08	\$57.78	\$90.24	\$90.24	\$179.39	\$73.42
Operating cost/hour:	\$72.97	\$46.25	\$78.95	\$78.95	\$29.91	\$20.80
%Utilization-riper: Ripper own. cost/hour:	NA NA	\$0.00	NA \$0.00	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12
Unit Subtotals:	\$217.29	\$140.88	\$207.78	\$207.78	\$237.06	\$115.35
Number of Units:	9	1	1	1	1	1
Group Subtotals:	Work:	\$2,096.49	Support:	\$415.56	Maint:	\$352.41
Total work team co		46				
Initial volume Loose volume		CCY LCY		factor: 1.215		
	ource of estimated e of estimated swe Material Purch To	ell factor: Cat H		Estimate		
HOURLY PRO	<u>ODUCTION</u>					
Truck Capacity:	ight) Docisi					
<u>Truck Payload (we</u> Material			Pounds/LCY			
	ription: Top So		Pounds			

Truck/Loader Worksheet Co	ont'd	Task # A3005			Page 2 of 3	
Payload Capacity:	32.50	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	14.50	LCY				
Heaped Volume:	18.70	LCY				
Average Volume: _	16.60	LCY				
Adjusted Volume:	18.70	LCY				
Fina	l Truck Volum	e Based on Number of	Loader Passes:	16.50	LCY	
Loading Tool Capacity						
			Buck	et Size Class: N	JA	
Rated Capacity:	5.000	LCY (heaped)	Buci		12.2	_
Bucket Fill Factor:	1.100		mixtures (100	-120%) 1.100		=
Adjusted Capacity:	5.500	LCY	innitares (100	120,0) 1.100		_
Job Condition Corrections	: <u>.</u>	Sit	te Altitude (ft.): 9	9 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	1.000	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB	_		
Net Correction:	0.830	0.830				
Loading Tool Cycle Times	Number Number	er of Loading Tool Pas	sses Required to l	Fill Truck:		passes
Excavators and Front Shove	els:					
Machine Cycle Time v Selected Value	vs. Job Condition					
Track Loaders – Cycle Time Elements (min.)		inpuon:				
Load: NA		Maneuver: NA		Dump: 0.100	n	
Load. IVA		vianeuvei. NA		Dump. 0.100		
Wheel and Track Loaders	- Unadjusted B	asic Loader Cycle Tin	ne (load, dump, n	naneuver):	0.500 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed mater	rial 0.02		0.020	(Cat HB)	
Stockpile:		ent - factor not applical		0.000	(Cat HB)	
Truck Ownership:		nership of trucks and	loaders -0.04	-0.040	(Cat HB)	
Operation:	Constant ope			-0.040	(Cat HB)	_
Dump Target:	Nominal targ			0.000	(Cat HB)	
		Net Cycle Tim	_	-0.060	minutes	
		Adjusted Loade		0.440	_ minutes	
		Net Load Ti	me per Truck:	0.980	minutes	
Truck Cycle Time:						
m 1 m 1 m						
Truck Exchange Time	e: 0.50	Minutes	Adjusted	for site altitude:	0.500	Minu
Truck Exchange Time Truck Load Time		Minutes Minutes	Adjusted	for site altitude: for site altitude: for site altitude:	0.500 0.980	Minu — Minu

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	11400.00	1.00	3.00	4.00	1817	6.456

Haul Time: **6.456** minutes Return Route: Roll. Res Total Res Travel Seg# Haul Distance Grade (%) Velocity Time (Ft) (%) (%) (fpm) (min) 11400.00 -1.00 3.00 2.00 2978 3.973

Return Time: 3.973 minutes
Total Truck Cycle Time: 12.809 minutes

Loading Tool unit

Production 668.92 LCY/Hour Adjusted for job efficiency: 555.20 LCY/Hour Truck Unit Production 77.29 LCY/Hour Adjusted for job efficiency: 64.15 LCY/Hour

Optimal No. of Trucks: 9 Truck(s) Selected Number of Trucks: 9 Truck(s)

Adjusted hourly truck team production: 577.35 LCY/Hour Adjusted single truck/loader team production: 555.20 LCY/Hour Adjusted multiple truck/loader team production: 555.20 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 0.86
 Hours

 Unit cost:
 \$5.159
 /LCY
 Total job cost:
 \$2,464

Site: Cresson Project		Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	NTIFICATION					
Task #: A300	06	State: Colora	ado	Ab	breviation: No	ne
Date: 6/29/	2025	County: Teller			Filename: A3	006
User: ERR						
Agency of	r organization nar	ne: DRMS				
HOURLY EQUI	IPMENT COST	Γ		Shift bas	is: 1 per day	
		<u> </u>	Equipment Descri			
-	Truck Loader Tea	ım -Truck: Cat	725	F		
Cuna	ant Equipment I		T 966H D7R DS Series II	I CD		
Supp	oort Equipment -I D-		D7R DS Series II			
Road M	Iaintenance –Mot	or Grader: CA	T 16M			
-	-Wa	nter Truck: Wat	ter Tanker, 7,000	Gal.		
Cost Breakdown:	Truck/Lo	ader Team	Support I	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$119.08	\$57.78	\$90.24	\$90.24	\$179.39	\$73.42
Operating cost/hour:	\$72.97	\$46.25	\$78.95	\$78.95	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA Data and	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour: Unit Subtotals:	\$25.24 \$217.29	\$36.85 \$140.88	\$38.59 \$207.78	\$38.59 \$207.78	\$27.76 \$237.06	\$21.12 \$115.35
Number of Units:	\$217.29 2	\$140.88	\$207.78	\$207.78	\$237.00	\$113.33 1
Group Subtotals:	Work:	\$575.46	Support:	\$415.56	Maint:	\$352.41
-			Support.	ψ+13.30	Want.	ψ332.71
Total work team co	ost/hour: \$1,343.	43				
MATERIAL QU	JANTITIES					
Initial volume		CCY	Swall	factor: 1.215		
Loose volume				1acto1. 1.213		
Sc	ource of estimated	Lyolume: 2022	CC&V Provided	Estimate		
	e of estimated swe		Handbook	Littilate		
	Material Purch					
	То	otal Cost: \$0.00)			
HOURLY PRO	DUCTION					
'						
<u>Truck Capacity:</u> Truck Payload (we	ight) Basis:					
Material	weight: 1,600		Pounds/LCY			
	ription: Top So		Dounds			
Rated P	ayload: <u>52,000</u>	1	Pounds			

Truck/Loader Worksheet Co	ont'd	Task # A3006			Page 2 of 3	
Payload Capacity:	32.50	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	14.50	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	18.70	LCY				
Final	l Truck Volume	Based on Number of	Loader Passes:	16.50	LCY	
Loading Tool Capacity						
			Buck	et Size Class: N	A	
Rated Capacity:	5.000	LCY (heaped)	Buch	11		_
Bucket Fill Factor:	1.100		mixtures (100-	.120%) 1 100		_
Adjusted Capacity:	5.500	LCY	imatures (100	120/0) 1.100		=
Job Condition Corrections	<u>:</u>	Sit	e Altitude (ft.): 9	500 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	1.000	(CAT HB))		
Job Efficiency:	0.830	0.830	(CAT HB)			
Net Correction:	0.830	0.830				
					_	
Loading Tool Cycle Time:	Number	r of Loading Tool Pas	ses Required to F	Fill Truck:		passes
Excavators and Front Shove	els:					
Machine Cycle Time v						
Selected Value						
Track Loaders –		iption:				
Cycle Time Elements (min.)	•					
Load: NA	M	Ianeuver: NA		Dump: 0.100)	
	 ,					
Wheel and Track Loaders	 Unadjusted Ba 	sic Loader Cycle Tin	ne (load, dump, m	naneuver):0	.500 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	Mixed materi	al 0.02		0.020	(Cat HB)	
Stockpile:		nt - factor not applicat	ole 0.00	0.000	(Cat HB)	
Truck Ownership:		nership of trucks and		-0.040	(Cat HB)	_
Operation:	Constant oper			-0.040	(Cat HB)	
Dump Target:	Nominal targ			0.000	(Cat HB)	
		Net Cycle Tim	e Adjustment:	-0.060	minutes	
		Adjusted Loade	-	0.440	minutes	
		Net Load Ti	me per Truck:	0.980	minutes	
Truck Cycle Time:						
Truck Exchange Time	e: 0.50	Minutes	Adjusted	for site altitude:	0.500	Min
Truck Load Time	e: 0.980	Minutes	_	for site altitude:	0.980	– Min

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	20000.00	6.00	3.00	9.00	824	24.308

Task # A3006

Haul Time: 24.308 minutes Return Route: Roll. Res Total Res Travel Haul Distance Grade (%) Velocity Seg# Time (Ft) (%) (%) (fpm) (min) -3.00 20000.00 -6.00 3.00 3159 6.527

Return Time: 6.527 minutes
Total Truck Cycle Time: 33.215 minutes

Loading Tool unit

Production 668.92 LCY/Hour Adjusted for job efficiency: 555.20 LCY/Hour Truck Unit Production 29.81 LCY/Hour Adjusted for job efficiency: 24.74 LCY/Hour

Optimal No. of Trucks: _____ 22 ____ Truck(s) Selected Number of Trucks: _____ 2 ____ Truck(s)

Adjusted hourly truck team production: 49.48 LCY/Hour Adjusted single truck/loader team production: 49.48 LCY/Hour Adjusted multiple truck/loader team production: 49.48 LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____ 3.12 Hours

Unit cost: \$27.152 /LCY Total job cost: **\$4,190**

Task description: EMP		EMP Ponds							
ite: _	te: Cresson Project		Per	Permit Action: 2025 Update M1980244		Perr	nit/Job#:	M1980244	
<u>P</u>	ROJECT	IDENTIFI	<u>CATION</u>						
	Task #:	A4000	State:	Colorado		Abbrev	viation:	None	
	Date:	6/29/2025	County:	Teller		File	ename:	A4000	
	User:	ERR							
	Λ α	nation organ	ization nama: DE	OMC					
<u>H</u>		ency or organ		RMS		Shift basis: 1	l per day		
<u>H</u>					ipment Description	_	l per day		
<u>H</u>		EQUIPME)		Equ		_	l per day		
<u>H</u>		EQUIPME)	NT COST	Equi		_	l per day		
<u>H</u>		EQUIPME	NT COST Loader Team -Truck	Equ::: Cat 740::: CAT 98	38H	_	1 per day		
<u>H</u>		EQUIPME	NT COST Loader Team -Truck -Loader	Equ:: Cat 740 :: CAT 98 :: Cat D8	88H Γ - 8SU	_	1 per day		
<u>H</u>	OURLY	Truck I Support Eq	NT COST Loader Team -Truck -Loader uipment -Load Area	Equ: :: Cat 740 :: CAT 98 :: Cat D8' :: Cat D8'	88H Γ - 8SU Γ - 8SU	_	1 per day		

Cost Breakdown:	Truck/Loa	ader Team	Support l	Equipment	Maintenan	ce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$108.25	\$131.26	\$173.32	\$173.32	\$179.39	\$73.42
Operating cost/hour:	\$79.54	\$100.12	\$109.71	\$109.71	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12
Unit Subtotals:	\$213.03	\$268.23	\$321.62	\$321.62	\$237.06	\$115.35
Number of Units:	4	1	1	1	1	1
Group Subtotals:	Work:	\$1,120.35	Support:	\$643.24	Maint:	\$352.41

Total work team cost/hour: \$2,116.00

MATERIAL QUANTITIES

Initial volume: 79,719 CCY Swell factor: 1.000

Loose volume: **79,719** LCY

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$0.00

Total Cost: \$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,650 Pounds/LCY
Description: Decomposed rock - 25% Rock, 75% Earth

Rated Payload: 87,000 Pounds

Truck/Loader Worksheet Co	ont'd	Task # A4000)		Page 2 of 3	
Payload Capacity:	32.83	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	24.20	LCY				
Heaped Volume:	31.40	LCY				
Average Volume: _ Adjusted Volume:	27.80 31.40	LCY LCY				
Adjusted volume	31.40	LCI				
	l Truck Volum	e Based on Number of	f Loader Passes:	30.36	LCY	
<u>Loading Tool Capacity</u>						
			Buc	ket Size Class:	NA	
Rated Capacity:	9.200	LCY (heaped)				
Bucket Fill Factor:	1.100	Other - rock/dir	t mixtures (100	0-120%) 1.100		
Adjusted Capacity:	10.120	LCY				
Job Condition Corrections	s <u>:</u>	Si	te Altitude (ft.):	<u>9500</u> feet		
	Truck	Loader	Source	!		
Altitude Adj:	0.820	0.950	(CAT HI			
Job Efficiency:	0.830	0.830	(CAT HI	B)		
Net Correction:	0.681	0.789				
Loading Tool Cycle Times	_	er of Loading Tool Pa	sses Required to	Fill Truck:	g pas	ses
Excavators and Front Shove	els:					
Machine Cycle Time Selected Value						
Track Loaders -	- Material Desc	ription:				
Cycle Time Elements (min.)		•				
Load: NA		Maneuver: NA		Dump: 0.10	00	
Wheel and Track Loaders	- Unadjusted B	asic Loader Cycle Tir	ne (load, dump,	maneuver):	0.575 minute	s
Cycle Time Factors				Factor (min.)	Source	
Material:		" to 3/4" diameter -0.0)′2	-0.020	(Cat HB)	
Stockpile:	Dumped by		loodoro 0.04	0.020	(Cat HB)	
Truck Ownership: Operation:		vnership of trucks and eration -0.04	loaders -0.04	-0.040 -0.040	(Cat HB) (Cat HB)	
Dump Target:	Nominal tar			0.000	(Cat HB)	
Dump Target.	140iiiiiai tai		ne Adjustment:	-0.080	minutes	
		Adjusted Load	•	0.495	minutes	
			ime per Truck:	1.090	minutes	
Truck Cycle Time:						
Truck Exchange Time	e: 0.60	Minutes	Adjusted	l for site altitude:	0.732	Minutes
Truck Load Time		Minutes		l for site altitude:	1.147	Minutes
al-Mananan and Donor Ti	1.00		A 11.	1 fam alta (1/2) 1	1 220	N. C

Truck Maneuver and Dump Time: Minutes Adjusted for site altitude: 1.220 Minutes

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4600.00	0.00	3.00	3.00	3005	2.323

Haul Time: 2.323 minutes

Return Route:

Return Route.							
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	4600.00	0.00	3.00	3.00	3005	1.698	

Return Time: 1.698 minutes
Total Truck Cycle Time: 7.120 minutes

Loading Tool unit

Production 969.41 LCY/Hour Adjusted for job efficiency: 804.61 LCY/Hour

Truck Unit Production

255.86 LCY/Hour Adjusted for job efficiency

Adjusted for job efficiency: _____212.36 ____ LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 849.45 LCY/Hour Adjusted single truck/loader team production: 804.61 LCY/Hour Adjusted multiple truck/loader team production: 804.61 LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____99.08 Hours

Unit cost: \$2.630 /LCY Total job cost: **\$209,648**

Task description:	EMP Po	onds - Topsoil				
Site: Cresson Project	;	Permit Action	2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE	NTIFICATION					
Task #:A400 Date:6/29/ User:ERR		State: Colora County: Teller	ado	Ab	breviation: No. A4	
Agency o	r organization nan	ne: DRMS				
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day	
	T 1 T 1 T		Equipment Descri	ption		
	Truck Loader Tea		740 Γ 988Η			
Supp	oort Equipment -L	oad Area: Cat	D8T - 8SU			
		1	D8T - 8SU			
Road N	Iaintenance –Moto -Wa		<u>Γ 16M</u> ter Tanker, 7,000	Gal.		
			, ,			
Cost Breakdown:	Truck/Loa Truck	der Team Loader	Support I Load Area	Equipment Dump Area	Maintenan Motor Grader	ce Equipment Water Truck
% Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$108.25	\$131.26	\$173.32	\$173.32	\$179.39	\$73.42
Operating cost/hour:	\$79.54	\$100.12	\$109.71	\$109.71	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour: Unit Subtotals:	\$25.24 \$213.03	\$36.85 \$268.23	\$38.59 \$321.62	\$38.59 \$321.62	\$27.76 \$237.06	\$21.12 \$115.35
Number of Units:	\$213.03	φ200.23 1	3321.02	\$321.02 1	\$237.00	\$113.33 1
Group Subtotals:	Work:	\$1,120.35	Support:	\$643.24	Maint:	\$352.41
Total work team co			Support.	ψ0+3.2+	wiamt.	ψ3321
MATERIAL QU	JANTITIES					
Initial volume		CCY	Swall	factor: 1.215		
Loose volume				1401. 1.213		
	ource of estimated e of estimated swe Material Purcha	ell factor: Cat Hase Cost: \$0.00		Estimate		
		otal Cost:\$0.00)			
HOURLY PRO Truck Capacity:	_					
Truck Payload (we Material		.;ı	Pounds/LCY			
Rated P			Pounds			

Truck/Loader Worksheet Con	it'd	Task # A4001			Page 2 of 3	
Payload Capacity:	54.38	LCY				
Truck Bed (volume) Basis:						
Struck Volume:		LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	31.40	LCY				
Final '	Truck Volume	Based on Number of	Loader Passes:	30.36	LCY	
Loading Tool Capacity						
			Buck	ket Size Class: N	A	
Rated Capacity:	9.200	LCY (heaped)				_
Bucket Fill Factor:	1.100	Other - rock/dirt	mixtures (100	-120%) 1.100		_
Adjusted Capacity:	10.120	LCY				
Job Condition Corrections:		Site	e Altitude (ft.): 9	9 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	0.820	0.950	(CAT HB	3)		
Job Efficiency:	0.830	0.830	(CAT HB			
Net Correction:	0.681	0.789		<i>,</i>		
Loading Tool Cycle Time: Excavators and Front Shovel		of Loading Tool Pas	ses Required to	Fill Truck:	3	passes
Machine Cycle Time vs	. Job Condition					
Selected Value w Track Loaders – l						
Cycle Time Elements (min.):	viateriai Deseri	puon				
Load: NA	M	aneuver: NA		Dump: 0.100	<u> </u>	
Wheel and Track Loaders -	Unadjusted Ba	sic Loader Cycle Tim	e (load, dump, r	naneuver):0.	.575 min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:		to 3/4" diameter -0.02	2	-0.020	(Cat HB)	
Stockpile:	Dumped by tr			0.020	(Cat HB)	
Truck Ownership:		ership of trucks and l	oaders -0.04	-0.040	(Cat HB)	
Operation:	Constant oper			-0.040	(Cat HB)	
Dump Target:	Nominal targe			0.000	(Cat HB)	_
		Net Cycle Time	_	-0.080	minutes	
		Adjusted Loade	r Cycle Time: ne per Truck:	0.495 1.090	minutes minutes	
		Net Load 11	ne per Truck	1.070	_ mmucs	
Truck Cycle Time:						
Truck Exchange Time:	0.60	Minutes	Adjusted	for site altitude:	0.732	Minute
Truck Load Time:	1.090	Minutes	Adjusted	for site altitude:	1.147	Minutes
ck Maneuver and Dump Time:	1.00	Minutes	Adjusted	for site altitude:	1.220	Minutes
	-					_

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4600.00	0.00	3.00	3.00	3005	2.323

Haul Time: 2.323 minutes

Return Route:

IXCUITI IXC	Juic.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4600.00	0.00	3.00	3.00	3005	1.698

Return Time: 1.698 minutes
Total Truck Cycle Time: 7.120 minutes

Loading Tool unit

Production 969.41 LCY/Hour Adjusted for job efficiency: 804.61 LCY/Hour

Truck Unit Production

255.86 LCY/Hour Adjusted for job efficiency: 212.36 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 849.45 LCY/Hour Adjusted single truck/loader team production: 804.61 LCY/Hour Adjusted multiple truck/loader team production: 804.61 LCY/Hour

JOB TIME AND COST

Fleet size: _____1 Team(s) Total job time: _____6.90 Hours

Unit cost: \$2.630 /LCY Total job cost: **\$14,609**

-	Γask description	n:	Crushe	r Fuel Islan	nd Frest	n Water Pond				
Site:	Cresson Proj	ject		Permi	it Actior	2025 Update M1980244		Permit/Job#:	<u>M</u> 1	980244
]	PROJECT IDENTIFICATION		CATION	<u>I</u>						
	Date: 6/29/2025			State: County:		lo	Ab	breviation: _ Filename: _	Non A40	
	Agenc	y or organ	nization nar	me: DRM	⁄IS					
]	HOURLY EC	UIPME	NT COST	<u>r</u>			Shift bas	is: <u>1 per day</u>		
					E	quipment Descri	ption			
		Truck	Loader Tea	ım -Truck:	Cat 7	-	•			
				-Loader:		988H				
	S	upport Eq	juipment -L			08T - 8SU				
		1361		ump Area:						
	Roa	d Mainten	ance –Mot	or Grader: ater Truck:						
_			- vv 2	itel Huck.	wate	1 Talikel, 7,000	Gai.			
	Cost Breakdow	'n:	Truck/Loa	ader Team		Support I	Equipment	Maint	enanc	e Equipment
		_	Fruck	Loader		Load Area	Dump Area	Motor Grad		Water Truck
%Util	ization-machine	e:	100		100	100	100		25	25
Own	ership cost/hou	r:	\$108.25	\$13	31.26	\$173.32	\$173.32	\$179	.39	\$73.42
Ope	rating cost/hou	r:	\$79.54	\$10	00.12	\$109.71	\$109.71	\$29	.91	\$20.80
	%Utilization-riper: NA			0	NA	NA	1	NA	NA	
Rippe	•				60.00	\$0.00	\$0.00	\$0	.00	\$0.00
Ripp	er op. cost/hou	r:	NA	\$	80.00	\$0.00	\$0.00	\$0	.00	\$0.00

\$38.59

\$321.62

Support:

\$38.59

\$321.62

\$643.24

Total work team cost/hour: \$2,116.00

MATERIAL QUANTITIES

Initial volume: 1,257 CCY Swell factor: 1.000

\$36.85

\$268.23

\$1,120.35

Loose volume: 1,257 LCY

\$25.24

\$213.03

Work:

Source of estimated volume: __2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$_\$0.00\$
Total Cost: \$_\$0.00

HOURLY PRODUCTION

Truck Capacity:

Operator cost/hour:

Unit Subtotals:

Number of Units: Group Subtotals:

Truck Payload (weight) Basis:

Material weight: 2,650 Pounds/LCY
Description: Decomposed rock - 25% Rock, 75% Earth

Rated Payload: 87,000 Pounds

\$27.76

\$237.06

Maint:

\$21.12

\$115.35

\$352.41

Truck/Loader Worksheet Co	ont'd	Task # A4002	2		Page 2 of 3	
Payload Capacity:	32.83	LCY				
Truck Bed (volume) Basis: Struck Volume:	24.20	LCY				
Heaped Volume:	31.40	LCY				
Average Volume:	27.80	LCY				
Adjusted Volume: _	31.40	LCY				
Fina Loading Tool Capacity	l Truck Volum	e Based on Number of	f Loader Passes:	30.36	LCY	
			Buc	ket Size Class: N	ΙA	
Rated Capacity:	9.200	LCY (heaped)				
Bucket Fill Factor:	1.100	Other - rock/dir	t mixtures (100)-120%) 1.100		_
Adjusted Capacity:	10.120	LCY				
Job Condition Corrections	<u>:</u>	Si	te Altitude (ft.):	9500 feet		
	Truck	Loader	Source			
Altitude Adj:	0.820	0.950	(CAT HE	3)		
Job Efficiency:	0.830	0.830	(CAT HE	3)		
Net Correction:	0.681	0.789				
Loading Tool Cycle Time:	Numbe	er of Loading Tool Pa	sses Required to	Fill Truck:	3 1	passes
Excavators and Front Shove	els:					
Machine Cycle Time v Selected Value						
Track Loaders -	- Material Desc	erintion:				
Cycle Time Elements (min.)						
Load: NA		Maneuver: NA		Dump: 0.100)	
Wheel and Track Loaders	- Unadjusted B	asic Loader Cycle Tir	ne (load, dump, 1	maneuver):0	0.575 minu	utes
Cycle Time Factors				Factor (min.)	Source	
Material:		" to 3/4" diameter -0.0	02	-0.020	(Cat HB)	_
Stockpile:	Dumped by		1 1 0.04	0.020	(Cat HB)	_
Truck Ownership:		vnership of trucks and	loaders -0.04	-0.040	(Cat HB)	_
Operation: Dump Target:	Nominal tar	eration -0.04		-0.040 0.000	(Cat HB) (Cat HB)	_
Dump Target.	Nominal tar	<u> </u>	ne Adjustment:	-0.080	minutes	_
		Adjusted Load		0.495	minutes	
			ime per Truck:	1.090	minutes	
Truck Cycle Time:			-		_	
Truck Exchange Time	e: 0.60	Minutes	Adiusted	for site altitude:	0.732	Minutes
Truck Load Time		Minutes	· ·	for site altitude:	1.147	Minutes
ick Maneuver and Dumn Time		Minutes	· ·	for site altitude:	1 220	- Minutes

<u>Truck Travel (Haul & Return) Time:</u> Road Condition: <u>Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0</u>

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4600.00	0.00	3.00	3.00	3005	2.323

Haul Time: 2.323 minutes Return Route: Roll. Res Total Res Travel Haul Distance Grade (%) Velocity Seg# Time (Ft) (%) (%) (fpm) (min) 4600.00 0.00 3.00 3.00 3005 1.698

Return Time: 1.698 minutes
Total Truck Cycle Time: 7.120 minutes

Loading Tool unit

Production 969.41 LCY/Hour Adjusted for job efficiency: 804.61 LCY/Hour Truck Unit Production 255.86 LCY/Hour Adjusted for job efficiency: 212.36 LCY/Hour

Optimal No. of Trucks: _____ 4 ___ Truck(s) Selected Number of Trucks: ____ 4 ___ Truck(s)

Adjusted hourly truck team production: 849.45 LCY/Hour Adjusted single truck/loader team production: 804.61 LCY/Hour Adjusted multiple truck/loader team production: 804.61 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 1.56
 Hours

 Unit cost:
 \$2.630
 /LCY
 Total job cost:
 \$3,306

Task description:	Crusher	· Fuel Island Fre	sh Water Pond -	Topsoil					
Site: Cresson Project	t	Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244			
PROJECT IDE	NTIFICATION								
Task #: <u>A40</u>		State: Colora		Ab	breviation: No				
		County: Teller			Filename: A4	003			
User: ERR		ne: DRMS							
Agency (or organization nar	ne: DRMS							
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day				
Equipment Description Truck Loader Team -Truck: Cat 740									
	Truck Loader Tea		740 T 988H						
Support Equipment -Load Area: Cat D8T - 8SU									
	-Di	ımp Area: Cat	D8T - 8SU						
Road I	Maintenance –Mot		T 16M	C.1					
	- W 2	ter Truck: Wat	ter Tanker, 7,000	Gal.					
Cost Breakdown:	Truck/Loa	ader Team	Support 1	Equipment	Maintenan	ce Equipment			
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck			
%Utilization-machine:	100	100	100	100	25	25			
Ownership cost/hour:	\$108.25	\$131.26	\$173.32	\$173.32	\$179.39	\$73.42			
Operating cost/hour:	\$79.54	\$100.12	\$109.71	\$109.71	\$29.91	\$20.80			
%Utilization-riper:	NA	0	NA	NA	NA	NA			
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12			
Unit Subtotals:	\$213.03	\$268.23	\$321.62	\$321.62	\$237.06	\$115.35			
Number of Units:	4	1	1	1	1	1			
Group Subtotals:	Work:	\$1,120.35	Support:	\$643.24	Maint:	\$352.41			
Total work team c	ost/hour: \$2,116.	00							
MATERIAL Q	IIA NTITIFS								
		~~*							
Initial volum Loose volum		CCY LCY		factor: 1.215					
	-								
	ource of estimated see of estimated		CC&V Provided Handbook	Estimate					
Sourc	Material Purch								
		otal Cost: $\frac{$0.00}{$0.00}$							
HOURLY PRO	<u>ODUCTION</u>								
Truck Capacity:									
Truck Payload (we			Doug Ja /I CW	•					
Material Desc	weight: 1,600 cription: Top So	nil	Pounds/LCY						
	Payload: 87,000		Pounds						

Truck/Loader Worksheet Con	t'd	Task # A4003			Page 2 of 3	
Payload Capacity:	54.38	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	24.20	LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	31.40	LCY				
Final '	Truck Volume	Based on Number of	Loader Passes:	30.36	LCY	
Loading Tool Capacity						
			Bucl	ket Size Class: N	Α	
Rated Capacity:	9.200	LCY (heaped)	Buci	cet bize class.	11	_
Bucket Fill Factor:	1.100	Other - rock/dirt	mixtures (100	-120%) 1 100		_
Adjusted Capacity:	10.120	LCY	illixtures (100	-12070) 1.100		_
rajusted cupacity.	10.120	LC1				
Job Condition Corrections:		Site	Altitude (ft.): 9	9 <u>500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	0.820	0.950	(CAT HB			
Job Efficiency:	0.830	0.830	(CAT HB	5)		
Net Correction:	0.681	0.789				
Excavators and Front Shovel: Machine Cycle Time vs Selected Value w	. Job Condition					
Track Loaders – I	Material Descri	ption:				
Cycle Time Elements (min.):						
Load: NA	M	aneuver: NA		Dump: 0.100)	
Wheel and Track Loaders -	Unadjusted Bas	sic Loader Cycle Tim	e (load, dump, r	naneuver):0	.575 minu	ites
Cycle Time Factors				Factor (min.)	Source	<u> </u>
Material:		to 3/4" diameter -0.02	2	-0.020	(Cat HB)	_
Stockpile:	Dumped by tr			0.020	(Cat HB)	_
Truck Ownership:		ership of trucks and l	oaders -0.04	-0.040	(Cat HB)	
Operation:	Constant oper			-0.040	(Cat HB)	_
Dump Target:	Nominal targe			0.000	(Cat HB)	_
		Net Cycle Time	-	-0.080	minutes	
		Adjusted Loader Net Load Tir	ne per Truck:	0.495 1.090	_ minutes minutes	
Truck Cycle Time:			_		_	
Truck Exchange Time:	0.60	Minutes	Adiusted	for site altitude:	0.732	Minute
Truck Load Time:		Minutes	· ·	for site altitude:	1.147	Minute
ck Maneuver and Dump Time:		Minutes	9	for site altitude:	1.220	Minute
r		_	<i>J</i>	_		-

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4600.00	0.00	3.00	3.00	3005	2.323

Haul Time: 2.323 minutes Return Route: Roll. Res Total Res Travel Haul Distance Grade (%) Velocity Seg# Time (Ft) (%) (%) (fpm) (min) 4600.00 0.00 3.00 3.00 3005 1.698

Return Time: 1.698 minutes
Total Truck Cycle Time: 7.120 minutes

Loading Tool unit

Production Production
Truck Unit Production

255.86 LCY/Hour Adjusted for job efficiency: 804.61 LCY/Hour

Adjusted for job efficiency: 212.36 LCY/Hour

Optimal No. of Trucks: 4 Truck(s)

Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 849.45 LCY/Hour Adjusted single truck/loader team production: 804.61 LCY/Hour Adjusted multiple truck/loader team production: 804.61 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 0.28
 Hours

 Unit cost:
 \$2.630
 /LCY
 Total job cost:
 \$594

T	ask descrip	tion:	Arequa External F	Ponds			
Site:	Site: Cresson Project		Permi	it Action:	2025 Update M1980244	Permit/Job#:	M1980244
<u>P</u>	PROJECT	IDENTIFI	<u>CATION</u>				
	Task #:	A4004	State:	Colorado		Abbreviation:	None
	Date:	6/29/2025	County:	Teller		Filename:	A4004
	User:	ERR					
	Ag	ency or organi	ization name: DRM	4S			
	C	, ,					
I	HOURLY	EQUIPME	NT COST			Shift basis: 1 per day	
				Equi	pment Description		
		Truck I	Loader Team -Truck:	Cat 740	•		
			-Loader:	CAT 98	8H		
		Support Equ	uipment -Load Area:	Cat D87	Γ - 8SU		
	-Dump Area:			Cat D87	Γ - 8SU		
	Road Maintenance – Motor Grader			CAT 16	M		
	-Water Truck:			Water T	anker, 7,000 Gal.		
•	oct Brook	lovem.	Truck/Loader Teem		Support Equipm	ont Moint	cononco Equipment

<u>Cost Breakdown</u> :	Cost Breakdown: Truck/Loade		er Team Support Equipment			Maintenance Equipment		
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck		
%Utilization-machine:	100	100	100	100	25	25		
Ownership cost/hour:	\$108.25	\$131.26	\$173.32	\$173.32	\$179.39	\$73.42		
Operating cost/hour:	\$79.54	\$100.12	\$109.71	\$109.71	\$29.91	\$20.80		
%Utilization-riper:	NA	0	NA	NA	NA	NA		
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12		
Unit Subtotals:	\$213.03	\$268.23	\$321.62	\$321.62	\$237.06	\$115.35		
Number of Units:	4	1	1	1	1	1		
Group Subtotals:	Work:	\$1,120.35	Support:	\$643.24	Maint:	\$352.41		

Total work team cost/hour: \$2,116.00

MATERIAL QUANTITIES

Initial volume: 85,438 CCY Swell factor: 1.000

Loose volume: **85,438** LCY

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

Material Purchase Cost: \$0.00 Square \$0.00

HOURLY PRODUCTION

Truck Capacity:

Truck Payload (weight) Basis:

Material weight: 2,650 Pounds/LCY
Description: Decomposed rock - 25% Rock, 75% Earth

Rated Payload: 87,000 Pounds

Truck/Loader Worksheet Con	nt'd	Task # A4004			Page 2 of 3	
Payload Capacity: _	32.83	LCY				
Truck Bed (volume) Basis:						
Struck Volume:		LCY				
Heaped Volume:		LCY				
Average Volume:		LCY				
Adjusted Volume:	31.40	LCY				
Final	Truck Volume	Based on Number of	Loader Passes:	30.36	LCY	
Loading Tool Capacity						
			Buck	cet Size Class: N	A	
Rated Capacity:	9.200	LCY (heaped)	2401			_
Bucket Fill Factor:	1.100	Other - rock/dirt	mixtures (100-	-120%) 1 100		=
Adjusted Capacity:	10.120	LCY	mintales (100	120/0) 1.100		_
Job Condition Corrections:	<u>.</u>	Sit	e Altitude (ft.): 9	<u>9500</u> feet		
	Truck	Loader	Source			
Altitude Adj:	0.820	0.950	(CAT HB)		
Job Efficiency:	0.830	0.830	(CAT HB)		
Net Correction:	0.681	0.789				
Loading Tool Cycle Time:	Number	of Loading Tool Pas	ses Required to I	Fill Truck:	3 t	oasses
Excavators and Front Shove		of Loading 10011 as	ses required to I	in Truck.	I	Jusses
		n Doting: NA				
Machine Cycle Time v Selected Value v						
Track Loaders –						
Cycle Time Elements (min.):						
Load: NA	M	Ianeuver: NA		Dump: 0.100	1	
Wheel and Track Loaders -	Unadjusted Ba	sic Loader Cycle Tim	e (load, dump, n	naneuver): 0.	.575 min	utes
Cycle Time Factors		•		Factor (min.)	Source	
Material:	Material 1/8"	to 3/4" diameter -0.0	2	-0.020	(Cat HB)	
Stockpile:	Dumped by to			0.020	(Cat HB)	
Truck Ownership:		nership of trucks and l	oaders -0.04	-0.040	(Cat HB)	_
Operation:	Constant oper			-0.040	(Cat HB)	_
Dump Target:	Nominal targ			0.000	(Cat HB)	_
		Net Cycle Time	_	-0.080	minutes	
		Adjusted Loade	r Cycle Time: _ me per Truck:	0.495 1.090	_ minutes minutes	
		Net Load 11	inc per Truck	1.070	_ mmucs	
Truck Cycle Time:					_	_
Truck Exchange Time		Minutes	· ·	for site altitude:	0.732	Minu
Truck Load Time		Minutes	9	for site altitude:	1.147	Minut
ick Maneuver and Dump Time	: 1.00	Minutes	Adjusted	for site altitude:	1.220	Minut

<u>Truck Travel (Haul & Return) Time:</u> <u>maintained 3.0</u>

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4600.00	0.00	3.00	3.00	3005	2.323

Haul Time: 2.323 minutes

Return Route:

Ttotalli Ito	rate.					
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4600.00	0.00	3.00	3.00	3005	1.698

Return Time: 1.698 minutes
Total Truck Cycle Time: 7.120 minutes

Loading Tool unit

Production 969.41 LCY/Hour Adjusted for job efficiency: 804.61 LCY/Hour Truck Unit Production 255.86 LCY/Hour Adjusted for job efficiency: 212.36 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 849.45 LCY/Hour Adjusted single truck/loader team production: 804.61 LCY/Hour Adjusted multiple truck/loader team production: 804.61 LCY/Hour

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 106.19
 Hours

 Unit cost:
 \$2.630
 /LCY
 Total job cost:
 \$224,688

Task description:	Arequa	External Ponds	- Topsoil			
Site: Cresson Project		Permit Action	on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDEN	NTIFICATION					
Task #: <u>A400</u>		State: Colora		Ab	breviation: No	
Date: 6/29/2	2025	County: Teller			Filename: A4	005
User: ERR		DDMG				
Agency or	r organization nar	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>r</u>		Shift bas	is: <u>1 per day</u>	
	For all I and an Tan		Equipment Descri	ption		
	Fruck Loader Tea		740 T 988H			
Supr	ort Equipment -L		D8T - 8SU			
	-Dı	ımp Area: Cat	D8T - 8SU			
Road M	Iaintenance –Mot		T 16M ter Tanker, 7,000	Cal		
	- vv a	ter Truck: Wat	ter ranker, 7,000	Gai.		
Cost Breakdown:	Truck/Loa	ader Team	Support 1	Equipment	Maintenan	nce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	100	100	25	25
Ownership cost/hour:	\$108.25	\$131.26	\$173.32	\$173.32	\$179.39	\$73.42
Operating cost/hour:	\$79.54	\$100.12	\$109.71	\$109.71	\$29.91	\$20.80
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ripper op. cost/hour:	NA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operator cost/hour:	\$25.24	\$36.85	\$38.59	\$38.59	\$27.76	\$21.12
Unit Subtotals:	\$213.03	\$268.23	\$321.62	\$321.62	\$237.06	\$115.35
Number of Units:	4	1	1	1	1	1
Group Subtotals:	Work:	\$1,120.35	Support:	\$643.24	Maint:	\$352.41
Total work team co	st/hour: \$2,116.	00				
MATERIAL QU	ANTITIES					
		CCV		6 . 1015		
Initial volume Loose volume		CCY 1 LCY		factor: 1.215		
	· · · · · · · · · · · · · · · · · · ·					
	ource of estimated e of estimated swe	——————————————————————————————————————	CC&V Provided Handbook	Estimate		
Source	Material Purch					
		otal Cost: \$0.00				
HOURLY PRO	DUCTION					
	DUCTION					
Truck Capacity: Truck Payload (wei	oht) Basis					
Material v			Pounds/LCY	-		
Descr	ription: Top So					
Rated Pa	ayload: <u>87,000</u>		Pounds			

Truck/Loader Worksheet C	ont'd	Task # A40	05		Page 2 of 3	
Payload Capacity:	54.38	LCY	· ·			
Truck Bed (volume) Basis:	24.20	LCV				
Struck Volume: Heaped Volume:	24.20 31.40	LCY LCY				
Average Volume:	27.80	LCY				
Adjusted Volume:	31.40	LCY				
Fin	al Truck Volum	ne Based on Number	of Loader Passes:	30.36	LCY	
<u>Loading Tool Capacity</u>						
		Í		ket Size Class: N	VA.	_
Rated Capacity:	9.200	LCY (heaped)		1.00.00		_
Bucket Fill Factor:	1.100	Other - rock/d	lirt mixtures (100	-120%) 1.100		=
Adjusted Capacity:	10.120	LCY				
Job Condition Correction	s:		Site Altitude (ft.): 9	9500 feet		
	Truck	Loader	Source			
Altitude Adj:	0.820	0.950	(CAT HE	3)		
Job Efficiency:	0.830	0.830	(CAT HE	3)		
Net Correction:	0.681	0.789				
Loading Tool Cycle Time	e: Numb	er of Loading Tool I	Passes Required to	Fill Truck:	3 1	passes
Excavators and Front Show	vels:					
Machine Cycle Time Selected Value	vs. Job Conditi within this Ba					
Track Loaders	– Material Desc	cription:				
Cycle Time Elements (min						
Load: NA		Maneuver: NA		Dump: 0.10	0	
Wheel and Track Loaders	s - Unadjusted I	Basic Loader Cycle T	Time (load, dump, 1	naneuver):(0.575 min	utes
Cycle Time Factors				Factor (min.)	Source	_
Material:		3" to 3/4" diameter -0	0.02	-0.020	(Cat HB)	_
Stockpile:				0.020	(Cat HB)	_
Truck Ownership:		wnership of trucks ar	nd loaders -0.04	-0.040	(Cat HB)	_
Operation:		eration -0.04		-0.040	(Cat HB)	_
Dump Target:	Nominal tar		ime Adjustment:	-0.080	(Cat HB) minutes	_
		•	nder Cycle Time:	0.495	minutes	
			Time per Truck:	1.090	minutes	
Truck Cycle Time:			1	· 	_	
Truck Exchange Tin	ne: 0.60	Minutes	A dineted	for site altitude:	0.732	Minutes
Truck Exchange Tin		Minutes	•	for site altitude:	1.147	Minute
ITUCK LOAU TIII		Minutes Minutes	•	for site altitude:	1.147	- Minutes
uck wishaliyar and Hilms I'm	14.	NAIDHEAC	/\ dilletod	LOT CITA Altitudos	1 / // 1	N/IInito

Truck Maneuver and Dump Time: 1.00 Minutes Adjusted for site altitude: 1.220 Minutes

<u>Truck Travel (Haul & Return) Time:</u> maintained 3.0

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

4600.00

Haul Route:

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4600.00	0.00	3.00	3.00	3005	2.323

Haul Time: 2.323 minutes Return Route: Roll. Res Total Res Travel Haul Distance Grade (%) Velocity Seg# Time (Ft) (%) (%) (fpm) (min)

3.00

0.00

Return Time: 1.698 minutes
Total Truck Cycle Time: 7.120 minutes

3005

1.698

Loading Tool unit

Production 969.41 LCY/Hour Adjusted for job efficiency: 804.61 LCY/Hour

3.00

Truck Unit Production
255.86 LCY/Hour Adjusted for job efficiency: 212.36 LCY/Hour

Optimal No. of Trucks: 4 Truck(s) Selected Number of Trucks: 4 Truck(s)

Adjusted hourly truck team production: 849.45 LCY/Hour Adjusted single truck/loader team production: 804.61 LCY/Hour Adjusted multiple truck/loader team production: 804.61 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: 7.00 Hours

Unit cost: \$2.630 /LCY Total job cost: \$14,816

Site: Cresson Projec	te: Cresson Project		on: 2025 Update M1980244		Permit/Job#: M	1980244
PROJECT IDE	NTIFICATION	[
Task #: A40 Date: 6/29 User: ERI	0/2025	State: Color County: Teller		Ab	breviation: No. A4	ne 006
Agency	or organization nar	me: DRMS				
HOURLY EQU	IPMENT COST	<u>r</u>		Shift bas	is: 1 per day	
	Truck Loader Tea	ım -Truck: Ger	Equipment Descrineric 15-18 cy, 6x4	4		
Sur	pport Equipment -I			ick		
Dandi	-D Maintenance –Mot	ump Area: NA				
Road		or Grader: NA nter Truck: NA				
Cost Breakdown	: Truck/Lo	ader Team		Equipment		ce Equipment
	Truck	Excavator	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	NA	NA	NA	NA
Ownership cost/hour:	\$32.93	\$56.67	NA	NA	NA	NA
Operating cost/hour:	\$70.98	\$35.96	NA	NA	NA	NA
% Utilization-riper:	NA NA	\$0.00	NA NA	NA NA	NA NA	NA NA
Ripper own. cost/hour: Ripper op. cost/hour:	NA NA	\$0.00	NA NA	NA NA	NA NA	NA NA
Operator cost/hour:	\$25.24	\$33.87	NA NA	NA NA	NA NA	NA NA
Unit Subtotals:	\$129.15	\$126.50	NA	NA	NA	NA
Number of Units:	1	1	0	0	0	0
Group Subtotals:	Work:	\$255.65	Support:	\$0.00	Maint:	\$0.00
Total work team o	ost/hour: \$255.65	5				
Initial volum Loose volum		CCY LCY		factor: 1.250		
	Source of estimated ce of estimated swe Material Purch To	ell factor: Cat	Handbook O			
HOURLY PR Truck Capacity:	<u>ODUCTION</u>					
Truck Payload (w Material		Wet	Pounds/LCY			

Truck/Loader Worksheet Co	nt'd	Task # A4006			Page 2 of 3	
Payload Capacity: _	22.85	LCY				
Truck Bed (volume) Basis:						
Struck Volume:	15.00	LCY				
Heaped Volume:	18.00	LCY				
Average Volume:	16.50	LCY				
Adjusted Volume:	18.00	LCY				
Final	Truck Volume	e Based on Number of	Loader Passes:	17.08	LCY	
Loading Tool Capacity						
			Ruel	ket Size Class: S	mall	
Dated Compaitur	0.000	LCV (based)	Duci	KCI SIZC ClassS	111411	_
Rated Capacity: _ Bucket Fill Factor:	0.980 1.025	LCY (heaped) Bank Clay; Eart	2 (100% 105%)	1 025		=
Adjusted Capacity:	1.025	LCY	1 (100%-103%)	1.023		=
rajusted capacity.	1.005	LC I				
Job Condition Corrections:	<u>L</u>	Sit	e Altitude (ft.): 6	<u>6900</u> feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	0.900	(CAT HE	3)		
Job Efficiency:	0.830	0.830	(CAT HE	3)		
Net Correction:	0.830	0.747				
Looding Tool Crosle Times	NI1.	CI F TI D		F:11 T1	17	
Loading Tool Cycle Time: Excavators and Front Shove		er of Loading Tool Pas	ses Required to	riii ituck:		passes
		D . CELEDI	,			
Machine Cycle Time v Selected Value						
Track Loaders –	Material Descr	ription:				
Cycle Time Elements (min.):						
Load: NA	N	Maneuver: NA		Dump: 0.100)	
Wheel and Track Loaders -	Unadjusted B	asic Loader Cycle Tin	ne (load, dump, r	naneuver):	NA min	utes
Cycle Time Factors				Factor (min.)	Source	
Material:	NA			NA	(Cat HB)	
Stockpile:	NA			NA	(Cat HB)	_
Truck Ownership:	NA			NA	(Cat HB)	_
Operation:	NA			NA	(Cat HB)	
Dump Target:	NA			NA	(Cat HB)	
		Net Cycle Tim		NA	minutes	
		Adjusted Loade	-	0.390	minutes	
		Net Load Ti	me per Truck:	6.340	minutes	
Truck Cycle Time:						
Truck Exchange Time	: 0.50	Minutes	Adjusted	for site altitude:	0.500	
Truck Load Time						Minu
Truck Load Tillic	: 6.340	Minutes	· ·	_	7.044	Min Min
k Maneuver and Dump Time		Minutes Minutes	Adjusted	for site altitude: for site altitude:	7.044 0.900	_

<u>Truck Travel (Haul & Return) Time:</u> <u>penetration 5.0</u>

Road Condition: Rutted dirt, little maintenance, no water, 2" tire

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	760.00	0.00	5.00	5.00	1867	0.488

Task # A4006

Haul Time: 0.488 minutes Return Route: Roll. Res Total Res Travel Haul Distance Grade (%) Velocity Seg# Time (Ft) (%) (%) (fpm) (min) 5.00 5.00 1560.00 0.00 2795 0.592

Return Time: 0.592 minutes
Total Truck Cycle Time: 9.524 minutes

Loading Tool unit

Production 135.81 LCY/Hour Adjusted for job efficiency: 112.72 LCY/Hour Truck Unit Production

_____107.57 LCY/Hour Adjusted for job efficiency: _____89.29 LCY/Hour

Optimal No. of Trucks: _____ 1 Truck(s) Selected Number of Trucks: ____ 1 Truck(s)

Adjusted hourly truck team production: 89.29 LCY/Hour Adjusted single truck/loader team production: 89.29 LCY/Hour Adjusted multiple truck/loader team production: 89.29 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **5.36** Hours

Unit cost: \$2.863 /LCY Total job cost: \$1,371

BULLDOZER RIPPING WORK

	Task description:	Ancillary Ar	eas - Topsoil - F	Ripping				
Site	: Cresson Project		Permit Action:	2025 Update M1980244	Pe	ermit/Job#: _	M1980244	1
	PROJECT IDEN	TIFICATION						
	Task #: A5002 Date: 6/29/2 User: ERR						None A5002	
	Agency or	organization name: _	DRMS					_
	HOURLY EQUIP	PMENT COST						
	Basic Ma	chine: Cat D7R DS	Series II LGP		Horsepower:	24	10	
	Ripper Attach	ment: 3-Shank Rip	per		Shift Basis:		day	_
					Data Source:	(Ck	RG)	_
	Cost Breakdown:			1	Utilization %			
	C	Ownership Cost/Hour:		\$90.24	NA			
		Operating Cost/Hour:			100			
		Ownership Cost/Hour:			NA 100			
	Ripper	Operating Cost/Hour: Operator Cost/Hour:		\$5.20 \$38.59	100 NA			
	r	Total Unit Cost/Hour:		\$222.23	1111			
	т	Total Fleet Cost/Hour:	\$22	2 23				
	MATERIAL QUA	ANTITIES	Sele	ected estimating	g method: Area			
	Alternate Methods:							
smic:	NA 1 421 00	-	Bank Volume:	NA 2.50	BCY	N 771 700		CY or (
Area:	1,431.00	acres	Rip Depth (ft):	2.50	Volume: 5	5,771,700	Б	SC 1 01 C
	Se	ource of estimated qu	antity: 2022 C	CC&V Provided	Estimate			_
	HOURLY PROD	<u>UCTION</u>						
	Seismic:							
		Seismic Y	Velocity:	NA	feet/seco	ond		
	Area:							
		Average Rippin		2.45	feet/pass			
		Average Rippin		6.50	feet/pass			
		Average Ripping Average Doze		400.00 88.00	feet/pass feet/min			
		Average Maneuv		0.25	minutes			
		Production per u		0.747	acres/ho	•		
	Job Condition Corre	ction Factors						
	Unadj	usted Hourly Unit Pro	duction:	0.747	Acres/hi	ſ		
	3	•	Altitude:	9,500	feet			
			ude Adj:	1.00	(CAT H	B)		
			ficiency:	0.83	(1 shift/o			
		Net Co	rrection:	0.83	multipli	er		
		Adjusted Hourly U	Jnit Production:	0.62	Acres/hr			
		Adjusted Hourly F			Acres/hr			
	JOB TIME AND	COST						
	Fleet size:	1 Grade	r(s)	Total job tim	ne: 2, 3	308.63	Hour	s
	Unit costs (\$250 524 Days	•••	Total inh	ot. de	12 047		
	Unit cost:	\$358.524 Per act	.ᠸ	Total job co	ຣເ. ֆວ ີ	13,047		

BULLDOZER RIPPING WORK

	Γask description:	Growth Mean	a Piles - Topso	u - Kipping				
Site:	Cresson Project		Permit Action:	2025 Update M1980244	Pe	rmit/Job#:	M1980244	
<u>P</u>	PROJECT IDENTIFI	<u>ICATION</u>						
	Task #: A5003 Date: 6/29/2025 User: ERR	Stat Count					None A5003	
	Agency or organ	nization name: _	DRMS					
E	HOURLY EQUIPME	NT COST						
	Basic Machine	: Cat D7R DS	Series II LGP		Horsepower:	24	40	
	Ripper Attachment	: 3-Shank Ripp	per		Shift Basis:		r day	
					Data Source:	(CI	RG)	
<u>C</u>	Cost Breakdown:				Utilization %			
	Owner	rship Cost/Hour:		\$90.24	NA			
		ating Cost/Hour:		\$78.95	100			
		rship Cost/Hour:		\$9.25	NA			
		ating Cost/Hour:		\$5.20 \$38.59	100			
	•	rator Cost/Hour: Unit Cost/Hour:		\$222.23	NA			
	Total 1	Fleet Cost/Hour:	\$222	2.23				
<u>N</u>	MATERIAL QUANT	<u>ITIES</u>	Sele	ected estimating	g method: Area			
<u>A</u>	Alternate Methods:							
ismic:	NA	E	ank Volume:	NA	BCY	N	ΙA	
Area:	118.80 acr	res R	ip Depth (ft):	2.50	Volume: 4	79,160	BCY	or C
	HOURLY PRODUCT Seismic:	CION Seismic V	alocitu	NA	feet/seco	nd		
		Seisilic v	elocity	INA	lee/seco	niu		
<u>A</u>	Area:	Average Ripping	Denth	2.45	feet/pass			
		Average Ripping	· -	6.50	feet/pass			
		Average Ripping		200.00	feet/pass			
		Average Dozei	Speed:	00.00	0	1140		
				88.00	feet/min			
		Average Maneuve	r Time:	0.25	minutes/	pass		
_		Production per un	r Time:			pass		
<u>J</u>	ob Condition Correction	Production per un	r Time:	0.25 0.710	minutes/ acres/hor	pass ur		
<u>J</u> (Production per un	r Time:	0.25	minutes/	pass ur		
<u>J.</u>		Production per un <u>Factors</u> Hourly Unit Prod Site A	r Time: nit area: duction:	0.25 0.710 0.710 9,500	minutes/acres/hor	pass		
<u>J.</u>		Production per un <u>Factors</u> Hourly Unit Prod Site A Altitu	r Time: nit area: duction: de Adj:	0.25 0.710 0.710 9,500 1.00	minutes/acres/hor	pass ur B)		
<u>J</u> .		Production per un <u>Factors</u> Hourly Unit Prod Site A Altitut Job Eff	duction: de Adj: diciency:	0.25 0.710 0.710 9,500 1.00 0.83	minutes/acres/hor	pass ur B) lay)		
<u>J</u> .	Unadjusted A	Production per un Factors Hourly Unit Prod Site A Altitu Job Eff Net Cor djusted Hourly U	duction: Lititude: de Adj: diciency: rection: nit Production:	0.25 0.710 0.710 9,500 1.00	minutes/ acres/hor Acres/hr feet (CAT H) (1 shift/c multiplie Acres/hr	pass ur B) lay)		
	Unadjusted A Ad	Production per un Factors Hourly Unit Production Site A Altitute Job Effent Net Condigueted Hourly Unit Production per unit	duction: Lititude: de Adj: diciency: rection: nit Production:	0.25 0.710 0.710 9,500 1.00 0.83 0.83 0.59	minutes/acres/hor	pass ur B) lay)		
	Unadjusted A	Production per un Factors Hourly Unit Production Site A Altitute Job Effent Net Condigusted Hourly Unit Production Altitute A Hourly Unit Production Pr	duction: duction: de Adj: diciency: rection: nit Production: eet Production:	0.25 0.710 0.710 9,500 1.00 0.83 0.83 0.59	minutes/acres/horeacres/horeacres/horeacres/hr Acres/hr feet (CAT H) (1 shift/c multiplie Acres/hr Acres/hr	pass ur B) lay)	Hours	

BULLDOZER WORK

Task description:	Monitoring Well	Pads - Top	soil/Regrade - Dozer Sp	reading	
: Cresson Project	Per	mit Action:	2025 Update M1980244	_ Permit/Job#:	M1980244
PROJECT IDENTIFIC	TATION				
Task #: A5004 Date: 6/29/2025 User: ERR	State: County:	Colorado Teller		Abbreviation: Filename:	None A5004
Agency or organiz	zation name: DF	RMS			
HOURLY EQUIPMEN	T COST				
Basic Machine: Cat D	D7R DS Series II L	GP			
Horsepower: 240	711 22 201103 11 2	<u> </u>	<u>—</u>		
Blade Type: Straig	 2ht				
Attachment: NA	2				
Shift Basis: 1 per	dav				
Data Source: (CRC					
<u>Cost Breakdown</u> :			I It:1:		
Oversanshin Cost/House		\$90.24	<u>Utilization %</u> NA		
Ownership Cost/Hour: Operating Cost/Hour:		\$78.95	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	25		
		\$38.59			
Operator Cost/Hour:		\$38.39	NA		
Initial Volume: 26,297 Swell factor: 1.429	7				
Loose volume: 37,568	LCY				
Source of estimated volume Source of estimated swell fa			x 12" per each borehole		
HOURLY PRODUCTI	<u>ON</u>				
Average push distance: Unadjusted hourly producti	50 feet 800.0 LCY/	/hr			
Materials consistency descr	ription: Compa	cted fill or e	mbankment 0.9		
	0 % 9,500 feet				
Material weight:	1,600 lbs/LCY				
Weight description:	Top Soil				
Job Condition Correction F			Source		
Operator Sk		.750	(AVG.)		
Material consisten	· —	.900	(CAT HB))		
Dozing meth	od: 1	000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6445

Adjusted unit production: 515.60 LCY/hr
Adjusted fleet production: 515.6 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.403/LCY

Total job time: 72.86 Hours
Total job cost: \$15,139

BOREHOLE SEALING WORK

7	Γask description:	Monitoring Well Closure			
Site: _	Cresson Project	Permit Action:	2025 Update M1980244	Permit/J	ob#: <u>M1980244</u>
PROJEC	CT IDENTIFICATION	<u>ON</u>			
Task #:	A6000	State: Colorado		Abbreviation:	None
Date:	6/29/2025	County: Teller		Filename:	A6000
User:	ERR				
	Agency or organi	zation name: DRMS			

UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Ancillary Areas (71 Monitoring	Portland cement grout - 4 in. (labor, equip,	4"	227	16,117.00	LF	\$8.71	\$140,430.64
Holes)	materials)						

Job Hours: 167.88 Total Cost: \$140,431.00

REVEGETATION WORK

Task description: Ironclad Mine Area - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0001State:ColoradoAbbreviation:NoneDate:6/29/2025County:TellerFilename:B0001

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Application

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description	Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)	\$1,355.20
Total Mulch Appli	cation Cost/Acre \$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre				\$0.00	

JOB TIME AND COST

 No. of Acres:
 26.11
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$65,051.76

Reseeding Job Cost: \$15,495.24

Total Job Cost: \$80,547

Job Hours: 32.60

REVEGETATION WORK

Task description: SGOSA Mine Area - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0002State:ColoradoAbbreviation:NoneDate:6/29/2025County:TellerFilename:B0002

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Application

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre			\$0.00		

JOB TIME AND COST

 No. of Acres:
 172.22
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING, SEEDING, MULCHING

Initial Job Cost: \$429,077.52

Reseeding Job Cost: \$102,205.68

Total Job Cost: \$531,283

215.30

REVEGETATION WORK

Task description: N. Cresson Mine Area - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0003State:ColoradoAbbreviation:NoneDate:6/29/2025County:TellerFilename:B0003

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

 No. of Acres:
 128.72
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING, SEEDING, MULCHING

Initial Job Cost: \$320,699.44

Reseeding Job Cost: \$76,390.17

Total Job Cost: \$397,090

160.90

Task description:	N. Cresson Mine Area - Globe Hill HR - Revegetation					
Site: Cresson Project	Permit Action:	2025 Update M1980244	Permit/Job#:	M1980244		
Site. Cresson Project		111700244	Termingsoon.	W117002++		

PROJECT IDENTIFICATION

Γask #:	B0004	State:	Colorado	Abbreviation:	None
Date:	6/29/2025	County:	Teller	Filename:	B0004
User:	ERR				

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials	#200.1 <i>C</i>
			Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

 No. of Acres:
 40.17
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$100,081.55

Reseeding Job Cost: \$23,839.29

Total Job Cost: \$123,921

Job Hours: 50.20

Task description: ECOSA Mine Area - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0005State:ColoradoAbbreviation:NoneDate:6/29/2025County:TellerFilename:B0005

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre				\$0.00	

JOB TIME AND COST

 No. of Acres:
 350.85
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$874,125.23

Reseeding Job Cost: \$208,215.44

Total Job Cost: \$1,082,341

438.60

Task description: E. Cresson Mine Area - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0006State:ColoradoAbbreviation:NoneDate:6/29/2025County:TellerFilename:B0006

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

 No. of Acres:
 309.52
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING, SEEDING, MULCHING

Initial Job Cost: \$771,153.60

Reseeding Job Cost: \$183,687.74

Total Job Cost: \$954,841

386.90

Task description:	E. Cresson Mine Area - WHEX - Revegetation
-	

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0007State:ColoradoAbbreviation:NoneDate:6/29/2025County:TellerFilename:B0007

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description	Cost /Acre
NA-fertilizer application incl. with hydroseeding	\$295.60
Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

 No. of Acres:
 199.66
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$497,442.91

Reseeding Job Cost: \$118,490.22

Total Job Cost: \$615,933

249.60

Task description: E. Cresson Mine Area - Ironclad - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0008State:ColoradoAbbreviation:NoneDate:6/29/2025County:TellerFilename:B0008

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

 No. of Acres:
 14.93
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$37,197.35

Reseeding Job Cost: \$8,860.36

Total Job Cost: \$46,058

Job Hours: 18.70

Task description: M. Cresson Mine Area - 10185 - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0009State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B0009

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre				\$0.00	

JOB TIME AND COST

 No. of Acres:
 83.2
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$207,288.64

Reseeding Job Cost: \$49,375.87

Total Job Cost: \$256,665

Job Hours: 104.00

Task description: M. Cresson Mine Area - Ruby Rd - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0010State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B0010

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

 No. of Acres:
 73.3
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$182,623.29

Reseeding Job Cost: \$43,500.62

Total Job Cost: \$226,124

91.60

Task description: M. Cresson Mine Area - AJAX - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0011State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B0011

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

 No. of Acres:
 33.31
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$82,990.20

Reseeding Job Cost: \$19,768.15

Total Job Cost: \$102,758

Job Hours: 41.60

Task description:

M. Cresson Mine Area - Crusher - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0012State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B0012

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

 No. of Acres:
 60.61
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$151,006.78

Reseeding Job Cost: \$35,969.61

Total Job Cost: \$186,976

75.80

Task description: M. Cresson Mine Area - Pit Bottom - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0013State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B0013

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre				\$0.00	

JOB TIME AND COST

 No. of Acres:
 69.1
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$172,159.20

Reseeding Job Cost: \$41,008.09

Total Job Cost: \$213,167

Job Hours: 86.40

Task description:	M. Cresson Mine Area - S. Cresson HR - Revegetation	
	Darmit Action: 2025 Undate	

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0014State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B0014

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre				\$0.00	

JOB TIME AND COST

 No. of Acres:
 30.1
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING, SEEDING, MULCHING

Initial Job Cost: \$74,992.65

Reseeding Job Cost: \$17,863.15

Total Job Cost: \$92,856

Job Hours: 37.60

M. Cresson Mine Area - Cresson HR - Revegetation

		Permit Action:	2025 Update		
Site:	Cresson Project		M1980244	Permit/Job#:	M1980244

PROJECT IDENTIFICATION

Task #:B0015State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B0015User:ERR

Agency or organization name: DRMS

FERTILIZING

Task description:

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre			\$0.00		

JOB TIME AND COST

 No. of Acres:
 30.1
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING, SEEDING, MULCHING

Initial Job Cost: \$74,992.65

Reseeding Job Cost: \$17,863.15

Total Job Cost: \$92,856

Job Hours: 37.60

Task description: Crusher Mine Area - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0016State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B0016

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

 No. of Acres:
 43.09
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$107,356.58

Reseeding Job Cost: \$25,572.19

Total Job Cost: \$132,929

53.90

-				
	Permit Action:	2025 Update		

Site: Cresson Project M1980244 Permit/Job#: M1980244

Crusher Mine Area - Delivery Rd - Revegetation

PROJECT IDENTIFICATION

Task #:B0017State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B0017

User: ERR

Agency or organization name: DRMS

FERTILIZING

Task description:

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

 No. of Acres:
 10.22
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$25,462.62

Reseeding Job Cost: \$6,065.16

Total Job Cost: \$31,528

12.80

Task description: Chicago Mine Area - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0018State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B0018

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre			\$0.00		

JOB TIME AND COST

 No. of Acres:
 4.1
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$10,214.95

Reseeding Job Cost: \$2,433.19

Total Job Cost: \$12,648

5.10

Task description:	TR133 WHEX Clay Borrow Area - Revegetation	
	Domnit Action, 2025 Undete	

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0019State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B0019

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre				\$0.00	

JOB TIME AND COST

 No. of Acres:
 4.7
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$11,709.82

Reseeding Job Cost: \$2,789.26

Total Job Cost: Job Hours: \$5.90

Task description: TR137 WHEX Clay Borrow Area Expansion

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B0020State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B0020

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre				\$0.00	

JOB TIME AND COST

 No. of Acres:
 8.2
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$20,429.89

Reseeding Job Cost: \$4,866.37

Total Job Cost: \$25,296

Job Hours: 10.30

Task description: TR142 South Cresson Backfill - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: B0021 State: Colorado Abbreviation: None

Date: 6/30/2025 County: Teller Filename: M244-B0021

User: ERR

Agency or organization name: <u>DRMS</u>

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description		Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)		\$117.61
	Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

 No. of Acres:
 10.8
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$26,907.66

Reseeding Job Cost: \$6,409.37

Total Job Cost: \$33,317

11.00

Task description: AGVLF - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B1000State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B1000

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre				\$0.00	

JOB TIME AND COST

 No. of Acres:
 649.59
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$1,618,421.01

Reseeding Job Cost: \$385,505.68

Total Job Cost: \$2,003,927

Job Hours: 812.00

Task description: SGVLF - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B1001State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B1001

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre			\$0.00		

JOB TIME AND COST

 No. of Acres:
 557.39
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$1,388,709.32

Reseeding Job Cost: \$330,788.67

Total Job Cost: \$1,719,498

696.70

Task description: Foundations and Buildings - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B2000State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B2000

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

 No. of Acres:
 13.7
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$34,132.87

Reseeding Job Cost: \$8,130.40

Total Job Cost: \$42,263

Job Hours: 17.10

Task description: EMP Ponds - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B3000State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B3000

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

 No. of Acres:
 5.7
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$14,201.27

Reseeding Job Cost: \$3,382.72

Total Job Cost: \$17,584

7.10

Task description:	Crusher Fuel Island Fresh Water Pond - Revegetation		
	Darmit Action: 2025 Undata		

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B3001State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B3001

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre				\$0.00	

JOB TIME AND COST

 No. of Acres:
 0.2
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING, SEEDING, MULCHING

Initial Job Cost: \$498.29

Reseeding Job Cost: 5118.69

Total Job Hours: \$617

0.30

Task description: Arequa External Ponds - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B3002State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B3002

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals See	d Mix 25.02	79.43	\$170.32

Description		Cost /Acre
Broadcast seeding [DMG]		\$272.56
	Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

 No. of Acres:
 5.7
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$14,201.27

Reseeding Job Cost: \$3,382.72

Total Job Cost: \$17,584

7.10

Task description: Anc	illary Areas - Revegetation
-----------------------	-----------------------------

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B4000State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B4000

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre				\$0.00	

JOB TIME AND COST

 No. of Acres:
 1431
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$3,565,264.95

Reseeding Job Cost: \$849,241.26

Total Job Cost: \$4,414,506

1,789.00

Task description: Growth Media Piles - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B4001State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B4001

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description	Cost /Acre
NA-fertilizer application incl. with hydroseeding	\$295.60
Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Seed Mix	25.02	79.43	\$170.32

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
	\$0.00				

JOB TIME AND COST

 No. of Acres:
 118.8
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$295,984,26

Reseeding Job Cost: \$70,503.05

Total Job Cost: \$366,487

Job Hours: 149.00

Task description: Monitoring Well Pads - Revegetation

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #:B4002State:ColoradoAbbreviation:NoneDate:6/30/2025County:TellerFilename:B4002

User: ERR

Agency or organization name: DRMS

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
0-10-20, 3-9-18	400.00	pound	\$0.70	\$280.16
			Total Fertilizer Materials Cost/Acre	\$280.16

Application

Description		Cost /Acre
NA-fertilizer application incl. with hydroseeding		\$295.60
	Total Fertilizer Application Cost/Acre	\$295.60

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.48	4.79	\$25.59
Mountain Brome - Bromar	4.00	6.43	\$24.07
Sandberg Bluegrass - VNS	0.50	10.62	\$7.22
Rye, Winter - VNS	9.63	3.98	\$6.09
Sheep Fescue - Bighorn	1.44	22.48	\$7.14
Slender Wheatgrass - Native	2.88	10.51	\$20.35
Milk Vetch, Cicer - Monarch	0.96	3.20	\$9.17
Mahogany, Mountain	0.13	0.18	\$13.12
Thickspike Wheatgrass - Critana	3.38	11.95	\$27.54
Rose, Wood's	0.31	0.00	\$16.55

Flax, Lewis Blue	0.25	1.66	\$10.57
Yarrow, Western	0.06	3.65	\$2.89
Totals Se	ed Mix 25.02	79.43	\$170.32

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56
Total Seed Application Cost/Acre	\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
Hydromulching (MEANS 32 92 19.13 1100)		\$1,355.20
	Total Mulch Application Cost/Acre	\$1,355.20

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals 1	Nursery Stoc	k Cost / Acre	\$0.00

JOB TIME AND COST

 No. of Acres:
 16.3
 Cost /Acre:
 \$2,491.45

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$2,373.84

*Selected Replanting Work Items: FERTILIZING,SEEDING,MULCHING

Initial Job Cost: \$40,610.64

Reseeding Job Cost: \$9,673.40

Total Job Cost: \$50,284

20.00

: _(Cresson Proj	ect	Per	rmit Action:	2025 Up M19802			Permit/Job#	: <u>M1980244</u>
PRC	DJECT IDE	NTIFICATIO	<u>N</u>						
-		5000 80/2025 RR	State: County:	Colorado Teller			Ab		None B5000
	Agency	or organization i	name: DF	RMS					
ÆR	RTILIZING	<u>.</u>							
	erials	<u>-</u>							
D	Description			Un Ac	its / ere U	J nit	Cos	st / Unit	Cost /Acre
							\$		\$
							Tot	tal Fertilizer Materials Cost/Acre	\$0.00
				<u>'</u>	<u>'</u>		1		
(pp	lication								
D	Description								Cost /Acre
									\$
					Total Fe	rtilizer	Applicatio	on Cost/Acre	\$0.00
							11		φυ.υυ
ΓIL	<u>LING</u>								
D	Description								Cost /Acre
									\$
	Total Tilling Cost/Acre					\$0.00			
SEE	DING								
S	eed Mix						Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
									\$
				Т	Totals Seed	l Mix	0.00	0.00	\$0.00
App	lication								
	Description								Cost /Acre

	\$
Total Seed Application Cost/Acre	\$0.00

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
		\$
	Total Mulch Application Cost/Acre	\$0.00

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Currant, Golden or Yellow	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
Pine, Bristlecone	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Spruce, Englemann	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Rose, Wood's	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
		Totals	Nursery Stoo	ck Cost / Acre	\$399.00

JOB TIME AND COST

 No. of Acres:
 89
 Cost /Acre:
 \$399.00

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$399.00

*Selected Replanting Work Items: NURSERY

Initial Job Cost: \$35,511.00

Reseeding Job Cost: \$8,877.75

Total Job Cost: Job Hours: 111.25

Cresson Project	Permit A		Update 80244		Permit/Job#	: _M1980244
PROJECT IDENTIFICA	TION					
Task #: B5001 Date: 6/30/2025 User: ERR		lorado ler		At		None B5001
	tion name: DRMS					
FERTILIZING						
Materials						
Description		Units / Acre	Unit	Со	st / Unit	Cost /Acre
				\$		\$
				То	tal Fertilizer Materials Cost/Acre	\$0.00
					Cosumere	ψ0.00
pplication						I.
Description						Cost /Acre
-						\$
		Tota	l Fertilizer	Application	on Cost/Acre	\$0.00
<u> </u>						
Description						Cost /Acre
						\$
			,	Total Tilli	ng Cost/Acre	\$0.00
SEEDING						
Seed Mix				Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
						\$
		Totals	Seed Mix	0.00	0.00	\$0.00
						φυ.υυ
Application						\$0.00

	\$
Total Seed Application Cost/Acre	\$0.00

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
		\$
	Total Mulch Application Cost/Acre	\$0.00

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Currant, Golden or Yellow	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
Pine, Bristlecone	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Spruce, Englemann	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Rose, Wood's	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
		Totals	Nursery Stor	ek Cost / Acre	\$399.00

JOB TIME AND COST

 No. of Acres:
 23
 Cost /Acre:
 \$399.00

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$399.00

*Selected Replanting Work Items: NURSERY

Initial Job Cost: \$9,177.00

Reseeding Job Cost: \$2,294.25

Total Job Cost: \$11,471

28.75

Cresson Project	Per	rmit Action	2025 U M1980	pdate 244		Permit/Job#	: <u>M1980244</u>
PROJECT IDENTIFICAT	<u> TION</u>						
Task #: B5002	State:	Colorado			Al	breviation:	None
Date: 6/30/2025	County:	Teller				Filename:	B5002
User: ERR							
Agency or organization	on name: DF	RMS					
<u>ERTILIZING</u>							
Laterials		T					T
Description			nits / .cre	Unit	Co	st / Unit	Cost /Acre
					\$		\$
			T		To	tal Fertilizer	
						Materials	
						Cost/Acre	\$0.00
							\$
			Total F	ertilizer'	Application	on Cost/Acre	\$0.00
TILLING							
Description							Cost /Acre
							\$
				<u>'</u>	Total Tilli	ng Cost/Acre	\$0.00
EEDING							
Seed Mix					Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
							\$
			Totals Se	ed Mix	0.00	0.00	\$0.00
application							
							Cost /Acre

	\$
Total Seed Application Cost/Acre	\$0.00

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

	Cost /Acre
	\$
Total Mulch Application Cost/Acre	\$0.00
	Total Mulch Application Cost/Acre

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Currant, Golden or Yellow	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
Pine, Bristlecone	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Spruce, Englemann	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Rose, Wood's	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
		Totals	Nursery Stoo	ek Cost / Acre	\$399.00

JOB TIME AND COST

 No. of Acres:
 59
 Cost /Acre:
 \$399.00

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$399.00

*Selected Replanting Work Items: NURSERY

Initial Job Cost: \$23,541.00

Reseeding Job Cost: \$5,885.25

Total Job Cost: \$29,426

73.75

Cresson Project	Pe.	rmit Action:	2025 Ug M19802			Permit/Job#	: <u>M198024</u> 4
PROJECT IDENTIFICA	<u>TION</u>						
Task #: B5003	State:	Colorado			At	breviation:	None
Date: 6/30/2025	County:	Teller				Filename:	B5003
User: ERR							
Agency or organizat	ion name: DF	RMS					
ERTILIZING							
I aterials							T
Description			nits / cre	Unit	Co	st / Unit	Cost /Acre
					\$		\$
					То	tal Fertilizer	
						Materials	
						Cost/Acre	\$0.00
							\$
			Total Fo	ertilizer	Application	on Cost/Acre	\$0.00
ILLING							
Description							Cost /Acre
							\$
				,	Total Tillin	ng Cost/Acre	\$0.00
SEEDING							
Seed Mix					Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
							\$
		ı	Totals See	ed Mix	0.00	0.00	\$0.00
pplication							
				_			Cost /Acre

	\$
Total Seed Application Cost/Acre	\$0.00

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
		\$
	Total Mulch Application Cost/Acre	\$0.00

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Currant, Golden or Yellow	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
Pine, Bristlecone	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Spruce, Englemann	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Rose, Wood's	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
		Totals	Nursery Stor	ek Cost / Acre	\$399.00

JOB TIME AND COST

 No. of Acres:
 229
 Cost /Acre:
 \$399.00

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$399.00

*Selected Replanting Work Items: NURSERY

Initial Job Cost: \$91,371.00

Reseeding Job Cost: \$22,842.75

Total Job Cost: \$114,214

286.25

: Cresson Project	Permit Action:	2025 Update M1980244		Permit/Job#	: _M1980244
PROJECT IDENTIFICA	ATION				
Task #: B5004 Date: 6/30/2025 User: ERR	State: Colorado County: Teller		Ab		None B5004
	ntion name: DRMS				
ERTILIZING					
Iaterials					
Description	Un Acı	its / re Unit	Cos	st / Unit	Cost /Acre
_			\$		\$
			То	tal Fertilizer Materials	фо ос
				Cost/Acre	\$0.00
pplication					C = 44 /A ====
Description					Cost /Acre
				G .//	
		Total Fertilizer	Application	on Cost/Acre	\$0.00
<u>ILLING</u>					
Description					Cost /Acre
					\$
			Total Tilliı	ng Cost/Acre	\$0.00
EEDING					
Seed Mix			Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
					\$
	Т	otals Seed Mix	0.00	0.00	\$0.00
Application					_
Description					Cost /Acre

	\$
Total Seed Application Cost/Acre	\$0.00

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

	Cost /Acre
	\$
Total Mulch Application Cost/Acre	\$0.00
	Total Mulch Application Cost/Acre

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Currant, Golden or Yellow	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
Pine, Bristlecone	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Spruce, Englemann	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Rose, Wood's	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
		Totals	Nursery Stoo	ek Cost / Acre	\$399.00

JOB TIME AND COST

 No. of Acres:
 42
 Cost /Acre:
 \$399.00

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$399.00

*Selected Replanting Work Items: NURSERY

Initial Job Cost: \$16,758.00

Reseeding Job Cost: \$4,189.50

Total Job Cost: \$20,948

Job Hours: 52.50

	Arequa - Tree Planting Permit Action	: 2025 Up	date			
Cresson Project		M19802			Permit/Job#	: <u>M1980244</u>
PROJECT IDENTIFIC	CATION					
Task #: B5005	State: Colorado			A 1-	breviation:	None
Date: 6/30/2025	County: Teller	<u> </u>				B5005
User: ERR						
Agency or organ	ization name: DRMS					
ERTILIZING						
Description		Jnits / Acre U	J nit	Cos	st / Unit	Cost /Acre
Description		icie (
				\$		\$
				То	tal Fertilizer Materials	
					Cost/Acre	\$0.00
Description						Cost /Acre
Description		Total Fe	rtilizer	Applicatio	on Cost/Acre	
		Total Fe	rtilizer	Applicatio	on Cost/Acre	\$
		Total Fe	rtilizer	Applicatio	on Cost/Acre	\$
TILLING		Total Fe	rtilizer	Applicatio	on Cost/Acre	\$ \$0.00
TILLING		Total Fe			on Cost/Acre	\$ \$0.00 Cost /Acre
<u>FILLING</u>		Total Fe				\$ \$0.00 Cost /Acre
TILLING Description		Total Fe		Rate – PLS LBS /		\$ \$0.00 Cost /Acre
Description SEEDING		Total Fe		Total Tillin Rate – PLS	ng Cost/Acre Seeds per SQ.	\$ \$0.00 Cost /Acre \$ \$0.00
Description SEEDING		Total Fe	7	Rate – PLS LBS /	ng Cost/Acre Seeds per SQ.	\$ \$0.00 Cost /Acre \$ \$0.00
Description SEEDING			7	Rate – PLS LBS / Acre	Seeds per SQ. FT	\$ \$0.00 Cost /Acre \$ \$0.00 Cost /Acre

	\$
Total Seed Application Cost/Acre	\$0.00

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

	Cost /Acre
	\$
Total Mulch Application Cost/Acre	\$0.00
	Total Mulch Application Cost/Acre

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Currant, Golden or Yellow	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
Pine, Bristlecone	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Spruce, Englemann	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Rose, Wood's	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
		Totals	Nursery Stoo	ck Cost / Acre	\$399.00

JOB TIME AND COST

 No. of Acres:
 115
 Cost /Acre:
 \$399.00

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$399.00

*Selected Replanting Work Items: NURSERY

Initial Job Cost: \$45,885.00

Reseeding Job Cost: \$11,471.25

Total Job Cost: \$57,356

143.75

: Cresson Project	Permit A	2025 U M1980			Permit/Job#	: <u>M1980244</u>
PROJECT IDENTIFIC	CATION					
Task #: B5006 Date: 6/30/2025 User: ERR		orado er		Ab		None B5006
	zation name: DRMS					
FERTILIZING						
Materials						
Description		Units / Acre	Unit	Cos	st / Unit	Cost /Acre
				\$		\$
				То	tal Fertilizer Materials Cost/Acre	\$0.00
					0 000112010	4000
pplication						
Description						Cost /Acre
,						\$
		Total I	ertilizer`	Application	on Cost/Acre	\$0.00
<u> </u>						
Description						Cost /Acre
						\$
			7	Γotal Tillir	ng Cost/Acre	\$ \$0.00
SEEDING			7	Γotal Tillir	ng Cost/Acre	
SEEDING Seed Mix			7	Rate – PLS LBS /	Seeds per SQ.	
			1	Rate – PLS	Seeds per SQ.	\$0.00 Cost /Acre
		Totals Se		Rate – PLS LBS /	Seeds per SQ.	\$0.00
SEEDING Seed Mix Application		Totals Se		Rate – PLS LBS / Acre	Seeds per SQ. FT	\$0.00 Cost /Acre

	\$
Total Seed Application Cost/Acre	\$0.00

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

	Cost /Acre
	\$
Total Mulch Application Cost/Acre	\$0.00
	Total Mulch Application Cost/Acre

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Currant, Golden or Yellow	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
Pine, Bristlecone	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Spruce, Englemann	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Rose, Wood's	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
		Totals	Nursery Stoo	ek Cost / Acre	\$399.00

JOB TIME AND COST

 No. of Acres:
 85
 Cost /Acre:
 \$399.00

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$399.00

*Selected Replanting Work Items: NURSERY

Initial Job Cost: \$33,915.00

Reseeding Job Cost: \$8,478.75

Total Job Cost: \$42,394

106.25

	Mill Platform - Tree Planting Permit Action: 2025 U	Update			
Cresson Project	M198			Permit/Job#	: M1980244
PROJECT IDENTIFIC	CATION				
Task #: B5007	State: Colorado		Δh	breviation:	None
Date: $\frac{B3007}{6/30/2025}$	County: Teller				B5007
User: ERR	<u> </u>				
Agency or organ	ization name: DRMS				
ERTILIZING					
Materials					
Description	Units / Acre	Unit	Cos	t / Unit	Cost /Acre
			\$		\$
				tal Fertilizer	
			10	Materials	
				Cost/Acre	\$0.00
Description					Cost /Acre
Description					
Description	Total I	Fertilizer <i>i</i>	Applicatio	n Cost/Acre	
	Total 1	Fertilizer <i>i</i>	Applicatio	on Cost/Acre	\$
FILLING	Total 1	Fertilizer 1	Applicatio	n Cost/Acre	\$ \$0.00
	Total 1	Fertilizer 4	Applicatio	on Cost/Acre	\$
<u>FILLING</u>	Total 1	Fertilizer 1	Applicatio	on Cost/Acre	\$ \$0.00
FILLING	Total 1			on Cost/Acre	\$ \$0.00 Cost /Acre
FILLING	Total 1				\$ \$0.00 Cost /Acre
TILLING Description	Total		Cotal Tilling Rate – PLS LBS /		\$ \$0.00 Cost /Acre
Description SEEDING	Total		otal Tillin	seeds	\$ \$0.00 Cost /Acre \$ \$0.00
Description SEEDING	Total		Cotal Tilling Rate – PLS LBS /	seeds	\$ \$0.00 Cost /Acre \$ \$0.00
Description SEEDING	Total 1	T	Cotal Tilling Rate – PLS LBS /	seeds	\$ \$0.00 Cost /Acre \$ \$0.00
Description SEEDING		T	Rate – PLS LBS / Acre	Seeds per SQ. FT	\$ \$0.00 Cost /Acre \$ \$0.00 Cost /Acre

	\$
Total Seed Application Cost/Acre	\$0.00

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
		\$
	Total Mulch Application Cost/Acre	\$0.00

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Currant, Golden or Yellow	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
Pine, Bristlecone	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Spruce, Englemann	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Rose, Wood's	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
		Totals	Nursery Stor	ek Cost / Acre	\$399.00

JOB TIME AND COST

 No. of Acres:
 35
 Cost /Acre:
 \$399.00

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$399.00

*Selected Replanting Work Items: NURSERY

Initial Job Cost: \$13,965.00

Reseeding Job Cost: \$3,491.25

Total Job Cost: \$17,456

Job Hours: 43.75

: Cresson Project	Permit Action:	2025 Update M1980244		Permit/Job#	: <u>M1980244</u>
PROJECT IDENTIFICAT	<u>ION</u>				
Task #: B5008 Date: 6/30/2025 User: ERR	State: Colorado County: Teller		Ab		None B5008
Agency or organization	on name: DRMS				
ERTILIZING					
Iaterials					
Description	Uni Acı		Cos	st / Unit	Cost /Acre
•			\$		\$
			То	tal Fertilizer Materials	40.00
				Cost/Acre	\$0.00
pplication					
Description					Cost /Acre
					\$
		Total Fertilizer	Application	on Cost/Acre	\$0.00
TILLING					
Description					Cost /Acre
2 6561.761011					\$
			Total Tillir	ng Cost/Acre	\$0.00
(TEDNIC					
SEEDING			D 4		
Seed Mix			Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
					\$
	Т	otals Seed Mix	0.00	0.00	\$0.00
Application					
Description					Cost /Acre

	\$
Total Seed Application Cost/Acre	\$0.00

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

	Cost /Acre
	\$
Total Mulch Application Cost/Acre	\$0.00
	Total Mulch Application Cost/Acre

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Currant, Golden or Yellow	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
Pine, Bristlecone	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Spruce, Englemann	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Rose, Wood's	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
		Totals	Nursery Stoo	ek Cost / Acre	\$399.00

JOB TIME AND COST

 No. of Acres:
 42
 Cost /Acre:
 \$399.00

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$399.00

*Selected Replanting Work Items: NURSERY

Initial Job Cost:
Reseeding Job Cost:
Total Job Cost:
Job Hours:

\$16,758.00
\$4,189.50
\$20,948
\$52.50

REVEGETATION WORK

Cresson Project	Permit Action:	2025 Update M1980244		Permit/Job#	: <u>M198024</u> 4
PROJECT IDENTIFICAT	CION				
Task #: B5009 Date: 6/30/2025 User: ERR	Ab		None B5009		
Agency or organization	on name: DRMS				
ERTILIZING					
Laterials					
Description	Uni Acı		Cos	st / Unit	Cost /Acre
_			\$		\$
			То	tal Fertilizer Materials	do 00
				Cost/Acre	\$0.00
pplication					
Description					Cost /Acre
					\$
		Total Fertilizer	· Application	on Cost/Acre	\$0.00
TILLING					
					Cost /A one
Description					Cost /Acre
					\$
			Total Tilliı	ng Cost/Acre	\$0.00
EEDING					
Seed Mix			Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
					\$
	Т	otals Seed Mix	0.00	0.00	\$0.00
pplication					
Description					Cost /Acre

	\$
Total Seed Application Cost/Acre	\$0.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description		Cost /Acre
		\$
	Total Mulch Application Cost/Acre	\$0.00

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Currant, Golden or Yellow	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
Pine, Bristlecone	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Spruce, Englemann	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Rose, Wood's	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
		Totals	Nursery Stoo	ek Cost / Acre	\$399.00

JOB TIME AND COST

 No. of Acres:
 87
 Cost /Acres:
 \$399.00

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$399.00

*Selected Replanting Work Items: NURSERY

Initial Job Cost: \$34,713.00

Reseeding Job Cost: \$8,678.25

Total Job Cost: \$43,391

108.75

REVEGETATION WORK

Cresson Project	Permit Act	tion: 2025 U M1980			Permit/Ioh#	: M1980244
Cresson Project	in 110ject M1780/244 Felinit/300/					. 1911 700 244
PROJECT IDENTIFIC	<u>CATION</u>					
Task #: <u>B5010</u>	State: Color			Ab		None
Date: <u>6/30/2025</u> User: ERR	County: Teller	<u> </u>			Filename:	B5010
	indiana DDMC					
Agency or organ	ization name: DRMS					
FERTILIZING						
Materials						
Description		Units / Acre	Unit	Co	st / Unit	Cost /Acre
Description		Acre	CIIIC			
				\$		\$
				То	tal Fertilizer Materials	
					Cost/Acre	\$0.00
						\$
		Total I	Fertilizer	Application	on Cost/Acre	\$ \$0.00
<u> FILLING</u>		Total I	Fertilizer	Application	on Cost/Acre	
TILLING Description		Total I	Pertilizer	Application	on Cost/Acre	
		Total I	Tertilizer	Application	on Cost/Acre	\$0.00
		Total I			on Cost/Acre	\$0.00 Cost /Acre
Description SEEDING		Total I				\$0.00 Cost /Acre
Description		Total I				\$0.00 Cost /Acre
Description SEEDING		Total I		Rate – PLS LBS /	ng Cost/Acre Seeds per SQ.	\$0.00 Cost /Acre \$ \$0.00
Description SEEDING		Total I	,	Rate – PLS LBS /	ng Cost/Acre Seeds per SQ.	\$0.00 Cost /Acre \$ \$0.00
Description SEEDING			,	Rate – PLS LBS / Acre	Seeds per SQ. FT	\$0.00 Cost /Acre \$0.00 Cost /Acre

	\$
Total Seed Application Cost/Acre	\$0.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

	Cost /Acre
	\$
Total Mulch Application Cost/Acre	\$0.00
	Total Mulch Application Cost/Acre

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Currant, Golden or Yellow	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
Pine, Bristlecone	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Spruce, Englemann	25	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$68.50
Rose, Wood's	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.62	\$0.00	\$131.00
		Totals	Nursery Stoo	ek Cost / Acre	\$399.00

JOB TIME AND COST

 No. of Acres:
 850
 Cost /Acre:
 \$399.00

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$399.00

*Selected Replanting Work Items: NURSERY

Initial Job Cost: \$339,150.00

Reseeding Job Cost: \$84,787.50

Total Job Cost: \$423,938

Job Hours: 1,062.50

Rinsing Task C

Rinsing VLF 1	Rinsing VLF 1													
	AM13	2025	2026	2027	2028	2029	2030			Revision #/				
% inflation	-	25.10%	28.08%	31.06%	34.04%	37.02%	40.00%	Task #	Form Used	Source	PDF Page			
Rinse 1	\$20,843,995.00	\$26,075,837.75						C0001	User Provided	AM13	107			
Rinse 2	\$20,843,995.00			\$27,318,139.85				C0002	User Provided	AM13	107			
Rinse 3	\$19,603,000.00					\$26,860,030.60		C0003	User Provided	AM13	107			

Rinsing VLF 2														
	AM13	2025 (Q1 Q2)	2025 (Q3 Q4)	2026 (Q1 Q2)	2026 (Q3 Q4)	2027 (Q1 Q2)	2027 (Q3 Q4)	2028 (Q1 Q2)	2028 (Q3 Q4)	2029 (Q1 Q2)			Revision #/	
% inflation	-	25.10%	26.59%	28.08%	29.57%	31.06%	32.55%	34.04%	35.53%	37.02%	Task #	Form Used	Source	PDF Page
Rinse 1	\$9,724,783.00	\$12,165,703.53									C1001	User Provide	AM13	108
Rinse 2	\$9,724,783.00				\$12,600,401.33						C1002	User Provide	AM13	108
Rinse 3	\$9,527,931.00							\$12,771,238.71			C1003	User Provide	AM13	108

Breakdown of costs are found at the end of 2022 update (pdf page 109-110) named "User 10" and "User 11".

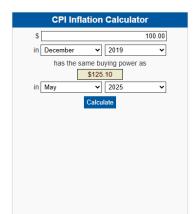
VLF 1: Each rinse cycle time is 23 months (round to 2 years for table), assess inflation from 10 year avg data below at the start of each rinse cycle VLF 2: Each rinse cycle time is 17 months (round to 1.5 years for table), assess inflation from 10 year avg data below at the start of each rinse cycle

VLF 1 hours: Total time for each rinse is 16,872 hours using AM13's 703 day cycle. Use 40% (6749) for user input row so job superintendent cost is at 20% of hours. VLF 2 hours: Total time for each rinse is 9696 hours using AM13's 404 day cycle. Use 40% (3879) for user input row so job superintendent cost is at 20% of hours.

TOTAL								
AM13 AM13 + Inflation								
VLF1	\$61,290,990	\$80,254,008						
VLF2	\$28,977,497	\$37,537,344						
Total	\$90,268,487	\$117.791.352						









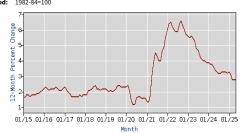
Series Id: CUUR0000SA0L1E,CUUS0000SA0L1E

Not Seasonally Adjusted

Series Title: All items less food and energy in U.S. city average, all urban consumers, not seasonally adjusted

Area: U.S. city average
Item: All items less food and energy

Base Period: 1982-84=100



Download: 🔃 xisx

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	HALF1	HALF2
2015	1.6	1.7	1.8	1.8	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.1	1.8	1.7	1.9
2016	2.2	2.3	2.2	2.1	2.2	2.2	2.2	2.3	2.2	2.1	2.1	2.2	2.2	2.2	2.2
2017	2.3	2.2	2.0	1.9	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.8	1.8	2.0	1.7
2018	1.8	1.8	2.1	2.1	2.2	2.3	2.4	2.2	2.2	2.1	2.2	2.2	2.1	2.1	2.2
2019	2.2	2.1	2.0	2.1	2.0	2.1	2.2	2.4	2.4	2.3	2.3	2.3	2.2	2.1	2.3
2020	2.3	2.4	2.1	1.4	1.2	1.2	1.6	1.7	1.7	1.6	1.6	1.6	1.7	1.8	1.6
2021	1.4	1.3	1.6	3.0	3.8	4.5	4.3	4.0	4.0	4.6	4.9	5.5	3.6	2.6	4.5
2022	6.0	6.4	6.5	6.2	6.0	5.9	5.9	6.3	6.6	6.3	6.0	5.7	6.2	6.2	6.1
2023	5.6	5.5	5.6	5.5	5.3	4.8	4.7	4.3	4.1	4.0	4.0	3.9	4.8	5.4	4.2
2024	3.9	3.8	3.8	3.6	3.4	3.3	3.2	3.2	3.3	3.3	3.3	3.2	3.4	3.6	3.3
2025	3.3	3.1	2.8	2.8	2.8										

,	Task description:	Foundation	s and Building	Area		
Site:	Cresson Project		Permit Action:	2025 Update M1980244	Permit/	Job#: <u>M1980244</u>
PROJE	CT IDENTIFICATION	<u> 1</u>				
Task #:	D0001	State:	Colorado		Abbreviation:	None
Date:	6/30/2025	County:	Teller		Filename:	D0001
User:	ERR					
	Agency or organizat	ion name:	DRMS			

<u>UNIT COSTS</u> <u>Location adjustment: 87.90 %</u>

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Primary Crusher - bldg	78x48x112	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	419,328.00	CF	\$0.48	\$202,870.89
Primary Crusher - Foundation	78x48	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	3,744.00	SF	\$2.27	\$8,482.03
Crane above Pocket - Bldg	85x33x50	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	140,250.00	CF	\$0.48	\$67,852.95
Crane above Pocket - Foundation	85x33	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	2,805.00	SF	\$2.27	\$6,354.73
Secondary Crusher MCC- Bldg	53x21x15	Plant (1S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	16,695.00	CF	\$0.46	\$7,607.91
Secondary Crusher MCC - Foundation	53x21	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	1,113.00	SF	\$2.27	\$2,521.50
Secondary Crushers - Bldg	120x67x107	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	860,280.00	CF	\$0.48	\$416,203.46
Secondary Crushers - Foundation	120x67	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	8,040.00	SF	\$2.27	\$18,214.62
Screen Bldg - Bldg	72x32x86	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	198,144.00	CF	\$0.48	\$95,862.07
Screen Bldg - Foundation	72x32	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	2,304.00	SF	\$2.27	\$5,219.71
Screen MCCs - Bldg	40x18x15	Plant (1S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	10,800.00	CF	\$0.46	\$4,921.56
Screen MCCs - Foundation	40x18	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	720.00	SF	\$2.27	\$1,631.16
Crusher Maint - Bldg	40x40x17	Bldg. (MN) demo./on-	27,200.00	CF	\$0.33	\$8,937.92

		site disposal in existing pit or cut - Max. 10,000 ft. haul				
Crusher Maint - Foundation	40x40	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	1,600.00	SF	\$2.27	\$3,624.80
Security - Bldg	65x40x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	26,000.00	CF	\$0.24	\$6,328.40
Security - Foundation	65x40	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	2,600.00	SF	\$2.27	\$5,890.30
MCC for Phase II Pumps - Bldg	21x11x12	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	2,772.00	CF	\$0.24	\$674.70
MCC for Phase II Pumps - Foundation	21x11	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	231.00	SF	\$2.27	\$523.33
Laboratory - Bldg	150x69x52	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	538,200.00	CF	\$0.33	\$176,852.52
Laboratory - Foundation	150x69	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	10,350.00	SF	\$2.27	\$23,447.93
Project Mgr Trailer - Bldg	57x12x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	6,840.00	CF	\$0.24	\$1,664.86
Project Mgr Trailer - Foundation	57x12	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	684.00	SF	\$1.13	\$774.77
Project Trailer - Bldg	40x53x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	21,200.00	CF	\$0.24	\$5,160.08
Project Trailer - Foundation	40x53	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	2,120.00	SF	\$1.13	\$2,401.32
Fire Trailer - Bldg	20x10x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	2,000.00	CF	\$0.24	\$486.80
Fire Trailer - Foundation	20x10	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	200.00	SF	\$1.13	\$226.54
Process Maint Trailer - Bldg	60x25x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	15,000.00	CF	\$0.24	\$3,651.00
Process Maint Trailer - Foundation	60x25	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	1,500.00	SF	\$1.13	\$1,699.05
Crusher Maint Addition - Bldg	25x40x17	Bldg. (MN) demo./on-site disposal in existing	17,000.00	CF	\$0.33	\$5,586.20

		pit or cut - Max. 10,000 ft. haul				
Crusher Maint Addition - Foundation	25x40	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	1,000.00	SF	\$2.27	\$2,265.50
Crusher Maint Lean To - Bldg	10x40x13	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	5,200.00	CF	\$0.24	\$1,265.68
Crusher Maint Lean To - Foundation	10x40	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	400.00	SF	\$2.27	\$906.20
AGADR 1995 - Bldg	165x100x52	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	858,000.00	CF	\$0.48	\$415,100.40
AGADR 1995 - Foundation	165x100	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	16,500.00	SF	\$2.27	\$37,380.75
Pipe Access Gallery - Bldg	60x10x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	6,000.00	CF	\$0.24	\$1,460.40
Pipe Accress Gallery - Foundation	60x10	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	600.00	SF	\$2.27	\$1,359.30
Carbon Strip & Regen - Bldg	107x25x45	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	120,375.00	CF	\$0.48	\$58,237.43
Carbon Strip & Regen - Foundation	107x25	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	2,675.00	SF	\$2.27	\$6,060.21
Process Maint Trailer - Bldg	60x25x12	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	18,000.00	CF	\$0.24	\$4,381.20
Process Maint Trailer - Foundation	60x25	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	1,500.00	SF	\$1.13	\$1,699.05
AGADR North - Bldg	165x43x44	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	312,180.00	CF	\$0.48	\$151,032.68
AGADR North - Foundation	165x43	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	7,095.00	SF	\$2.27	\$16,073.72
AGADR South - Bldg	108x70x57	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	430,920.00	CF	\$0.48	\$208,479.10
AGADR South - Foundation	108x70	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	7,560.00	SF	\$2.27	\$17,127.18
Etrain - Bldg	142x42x53	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	316,092.00	CF	\$0.48	\$152,925.31
Etrain - Foundation	142x42	Demo. and on-site	5,964.00	SF	\$2.27	\$13,511.44

		disposal in existing pit, 12 in. thick - Max. 50 ft. push				
MCC Fume Scrubber - Bldg	37x16x16	Plant (1S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	9,472.00	CF	\$0.46	\$4,316.39
MCC Fume Scrubber - Foundation	37x16	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	592.00	SF	\$2.27	\$1,341.18
Enrichment Pump Station - Bldg	60x30x38	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	68,400.00	CF	\$0.48	\$33,091.92
Enrichment Pump Station - Foundation	60x30	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	1,800.00	SF	\$2.27	\$4,077.90
Ph V Preg Pump MCC - Bldg	22x22x17	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	8,228.00	CF	\$0.33	\$2,703.72
Ph V Preg Pump MCC - Foundation	22x22	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	484.00	SF	\$2.27	\$1,096.50
Ph V Preg Enrich MCC - Bldg	42x22x17	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	15,708.00	CF	\$0.33	\$5,161.65
Ph V Preg Enrich MCC - Foundation	42x22	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	924.00	SF	\$2.27	\$2,093.32
Ph V Preg Enrich LVSC - Bldg	20x10x12	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	2,400.00	CF	\$0.24	\$584.16
Ph V Preg Enrich LVSC - Foundation	20x10	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	200.00	SF	\$2.27	\$453.10
Victor Maint Light Vehicle Shop - Bldg	80x56x12	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	53,760.00	CF	\$0.24	\$13,085.18
Victor Maint Light Vehicle Shop - Foundation	80x56	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	4,480.00	SF	\$2.27	\$10,149.44
Truck Wash - Bldg	75x45x41	Bldg. (MN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	138,375.00	CF	\$0.33	\$45,470.03
Truck Wash - Foundation	75x45	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	3,375.00	SF	\$2.27	\$7,646.06
Truck Shop - Bldg	305x95x65	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	1,883,375.00	CF	\$0.33	\$618,877.03

Truck Shop - Foundation	305x95	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	28,975.00	SF	\$2.27	\$65,642.86
Mill Maint Warehouse - Bldg	57x200x47	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	535,800.00	CF	\$0.33	\$176,063.88
Mill Maint Warehouse - Foundation	57x200	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	11,400.00	SF	\$2.27	\$25,826.70
Agglomerator - Bldg	20x76x34	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	51,680.00	CF	\$0.48	\$25,002.78
Agglomerator - Foundation	20x76	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	1,520.00	SF	\$2.27	\$3,443.56
Sump Pump - Bldg	16x15x13	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	3,120.00	CF	\$0.24	\$759.41
Sump Pump - Foundation	16x15	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	240.00	SF	\$2.27	\$543.72
Conveyor Shed - Bldg	85x13x21	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	23,205.00	CF	\$0.33	\$7,625.16
Conveyor Shed - Foundation	85x13	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	1,105.00	SF	\$2.27	\$2,503.38
Process Corridor - Bldg	15x175x24	Plant (1S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	63,000.00	CF	\$0.46	\$28,709.10
Process Corridor - Foundation	15x175	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	2,625.00	SF	\$2.27	\$5,946.94
Buckley Main Bldg - Bldg	60x40x12	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	28,800.00	CF	\$0.24	\$7,009.92
Buckley Main Bldg - Foundation	60x40	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	2,400.00	SF	\$2.27	\$5,437.20
Squaw MCC - Bldg	60x27x12	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	19,440.00	CF	\$0.24	\$4,731.70
Squaw MCC - Foundation	60x27	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	1,620.00	SF	\$2.27	\$3,670.11
Warehouse - Bldg	104x80x32	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	266,240.00	CF	\$0.33	\$87,486.46

Warehouse - Foundation	104x80	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	8,320.00	SF	\$2.27	\$18,848.96
LVSC Pump - Bldg	151x10x12	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	18,120.00	CF	\$0.24	\$4,410.41
LVSC Pump - Foundation	151x10	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	1,510.00	SF	\$2.27	\$3,420.91
SGADR - Bldg	165x200x62	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	2,046,000.00	CF	\$0.48	\$989,854.80
SGADR - Foundation	165x200	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	33,000.00	SF	\$2.27	\$74,761.50
SGADR Utility - Bldg	60x30x17	Plant (1S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	30,600.00	CF	\$0.46	\$13,944.42
SGADR Utility - Foundation	60x30	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	1,800.00	SF	\$2.27	\$4,077.90
Security - Bldg	143x20x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	28,600.00	CF	\$0.24	\$6,961.24
Security - Foundation	143x20	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	2,860.00	SF	\$2.27	\$6,479.33
Modular Office 1 - Bldg	60x66x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	39,600.00	CF	\$0.24	\$9,638.64
Modular Office 1 - Foundation	60x66	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	3,960.00	SF	\$1.13	\$4,485.49
Modular Office 2 - Bldg	60x66x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	39,600.00	CF	\$0.24	\$9,638.64
Modular Office 2 - Foundation	60x66	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	3,960.00	SF	\$1.13	\$4,485.49
Modular Office 3 - Bldg	12x66x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	7,920.00	CF	\$0.24	\$1,927.73
Modular Office 3 - Foundation	12x66	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	792.00	SF	\$1.13	\$897.10
Substation - Bldg	107x100x15	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	160,500.00	CF	\$0.24	\$39,065.70
Substation - Foundation	107x100	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft.	10,700.00	SF	\$2.27	\$24,240.85

Auxiliary A - Bldg	66x20x10	push Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	13,200.00	CF	\$0.24	\$3,212.88
Auxiliary A - Foundation	66x20	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	1,320.00	SF	\$2.27	\$2,990.46
Auxiliary B - Bldg	20x20x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	4,000.00	CF	\$0.24	\$973.60
Auxiliary B - Foundation	20x20	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	400.00	SF	\$2.27	\$906.20
Auxiliary C - Bldg	46x20x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	9,200.00	CF	\$0.24	\$2,239.28
Auxiliary C - Foundation	46x20	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	920.00	SF	\$2.27	\$2,084.26
High Grade Mill - Bldg	335x200x86	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	7,482,000.00	CF	\$0.48	\$3,619,791.60
High Grade Mill - Foundation	335x200	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	87,000.00	SF	\$2.27	\$197,098.50
Offices - Bldg	96x80x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	76,800.00	CF	\$0.24	\$18,693.12
Offices - Foundation	96x80	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	7,680.00	SF	\$2.27	\$17,399.04
Buckley Garage - Bldg	100x76x18	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	136,800.00	CF	\$0.33	\$44,952.48
Buckley Garage - Foundation	100x76	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	7,600.00	SF	\$2.27	\$17,217.80
Ironclad Office - Bldg	100x48x13	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	62,400.00	CF	\$0.24	\$15,188.16
Ironclad Office - Foundation	100x48	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	4,800.00	SF	\$2.27	\$10,874.40
Maint Annex - Bldg	75x25x65	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	121,875.00	CF	\$0.33	\$40,048.13
Maint Annex - Foundation	75x25	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	1,875.00	SF	\$2.27	\$4,247.81

Lab Addition - Bldg	30x15x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	4,500.00	CF	\$0.24	\$1,095.30
Lab Addition - Foundation	30x15	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	450.00	SF	\$2.27	\$1,019.48
ROM Silo - Bldg	66x20x10	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	972.00	CF	\$0.24	\$236.58
ROM Silo - Foundation	9x9x12	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	81.00	SF	\$2.27	\$183.51
Conveyor Support - Foundation	4x6 (9 lifts)	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	216.00	SF	\$2.27	\$489.35
Newmont Double Wide - Bldg	24x60x12	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	17,280.00	CF	\$0.24	\$4,205.95
Newmont Double Wide - Foundation	24x60	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	1,440.00	SF	\$1.13	\$1,631.09
Mobile Maint Shop - Bldg	50x100x18	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	90,000.00	CF	\$0.33	\$29,574.00
Mobile Maint Shop - Foundation	50x100	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	5,000.00	SF	\$2.27	\$11,327.50
Lube Bay and Wash Bay - Bldg	50x80x18	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	72,000.00	CF	\$0.33	\$23,659.20
Lube Bay and Wash Bay - Foundation	50x80	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	4,000.00	SF	\$2.27	\$9,062.00
Lube Bay and Wash Bay Apron - Bldg	124x40x1	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	4,960.00	CF	\$0.24	\$1,207.26
Lube Bay and Wash Bay Apron - Foundation	124x40	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	4,960.00	SF	\$2.27	\$11,236.88
Compressor Housing - Bldg	45x45x12	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	24,300.00	CF	\$0.24	\$5,914.62
Compressor Housing - Foundation	45x45	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	2,025.00	SF	\$2.27	\$4,587.64
Substation - Bldg	135x80x12	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	129,600.00	CF	\$0.24	\$31,544.64
Substation -	135x80	Demo. and on-site	10,800.00	SF	\$2.27	\$24,467.40

Foundation		disposal in existing pit, 12 in. thick - Max. 50 ft. push				
Core Shed TR115 SA2 - Bldg	40x100x16	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	64,000.00	CF	\$0.33	\$21,030.40
Core Shed TR115 SA2 - Foundation	40x100	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	4,000.00	SF	\$1.13	\$4,530.80
Autonomous Haulage Tower TR115 SA4 - Bldg	8x10x7	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	560.00	CF	\$0.24	\$136.30
Autonomous Haulage Tower TR115 SA4 - Foundation	8x10	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	80.00	SF	\$1.13	\$90.62
Autonomous Haulage Tower TR115 SA6 - Bldg	8x10x7	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	560.00	CF	\$0.24	\$136.30
Autonomous Haulage Tower TR115 SA6 - Foundation	8x10	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	80.00	SF	\$1.13	\$90.62
Underground Contractor Double Wide - Bldg	24x60x12	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	17,280.00	CF	\$0.24	\$4,205.95
Underground Contractor Double Wide - Foundation	24x60	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	1,440.00	SF	\$1.13	\$1,631.09
Underground Fixed Maintenance Shop - Bldg	40x60x18	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	43,200.00	CF	\$0.33	\$14,195.52
Underground Fixed Maintenance Shop - Foundation	40x60	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	2,400.00	SF	\$2.27	\$5,437.20
Shotcrete plant - Bldg	55x150x12	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	99,000.00	CF	\$0.24	\$24,096.60
Shotcrete plant - Foundation	55x150	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	8,250.00	SF	\$1.13	\$9,344.78
VLF2 enrichment pump station - Bldg	60x54x20	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	64,800.00	CF	\$0.33	\$21,293.28
VLF2 enrichment pump station - Foundation	60x54	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	3,240.00	SF	\$2.27	\$7,340.22
VLF2 enrichment pump station - Bldg	15x59x8	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	7,080.00	CF	\$0.24	\$1,723.27
VLF2 enrichment	15x59	Demo. and on-site	885.00	SF	\$2.27	\$2,004.97

pump station - Foundation		disposal in existing pit, 12 in. thick - Max. 50 ft. push				
Warehouse #1 on Dump 4 - Bldg	42x80x22	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	73,920.00	CF	\$0.33	\$24,290.11
Warehouse #1 on Dump 4 - Foundation	42x80	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	3,360.00	SF	\$2.27	\$7,612.08
Warehouse #2 on Dump 4 - Bldg	72x90x22	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	142,560.00	CF	\$0.33	\$46,845.22
Warehouse #2 on Dump 4 - Foundation	72x90	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	6,480.00	SF	\$2.27	\$14,680.44
Warehouse at Mill Platform - Bldg	72x166x22	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	262,944.00	CF	\$0.33	\$86,403.40
Warehouse at Mill Platform - Foundation	72x166	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	11,952.00	SF	\$2.27	\$27,077.26
Main PSES Building - Bldg	180x108x55	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	1,069,200.00	CF	\$0.48	\$517,278.96
Main PSES Building - Foundation	180x108	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	19,440.00	SF	\$2.27	\$44,041.32
Chicago Tunnel Maintenance Shop - Bldg	80x40x20	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	64,000.00	CF	\$0.33	\$21,030.40
Chicago Tunnel Maintenance Shop - Foundation	80x40	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	3,200.00	SF	\$2.27	\$7,249.60
Chicago Tunnel Site Office - Bldg	40x15x12	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	7,200.00	CF	\$0.24	\$1,752.48
Chicago Tunnel Site Office - Foundation	40x15	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	600.00	SF	\$1.13	\$679.62
Chicago Tunnel Dry Change - Bldg	40x15x12	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	7,200.00	CF	\$0.24	\$1,752.48
Chicago Tunnel Dry Change - Foundation	40x15	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	600.00	SF	\$1.13	\$679.62
High Grade Mill West Tank Farm - Foundation	14,721 SF	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft.	14,721.00	SF	\$2.27	\$33,350.43

Demo Worksheet Cont'd Task # TTT Page 11 of 11

		push				
High Grade Mill East Tank Farm - Foundation	13,855 SF	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	13,855.00	SF	\$2.27	\$31,388.50
New Engineering Building 2007 - Bldg	9,324 SF x 13	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	121,212.00	CF	\$0.24	\$29,503.00
New Engineering Building 2007 - Foundation	9,324 SF	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	9,324.00	SF	\$2.27	\$21,123.52
Water Truck Storage Building TR115 SA7 - Bldg	72x90x(avg. 38)	Bldg. (MN) demo./on- site disposal in existing pit or cut - Max. 10,000 ft. haul	9,120.00	CF	\$0.33	\$2,996.83
Water Truck Storage Building TR115 SA7 - Footers	(52) 2x2x6	Demo. and on-site disposal in existing pit, 1.5 ft. x 2 ft Max. 50 ft. push	312.00	LF	\$6.80	\$2,120.48
Sidewalks TR115 SA8	638x4	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 50 ft. push	2,552.00	SF	\$0.76	\$1,927.27
Concrete Pad TR115 SA8	10x24	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	240.00	SF	\$1.13	\$271.85
Vision Zero 2 Offices and 2 Conex Containers TR115 SA9	12x50x12 & 8x40/20x8.5	Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	686.00	CF	\$0.24	\$166.97
Carlton Tunnel Solar Panel Piers TR115 SA11	(8) 5x1	Demo. and on-site disposal in existing pit, 1.0 ft. x 2 ft Max. 50 ft. push	40.00	LF	\$4.53	\$181.24
Sidewalks TR115 SA12	330x4	Demo. and on-site disposal in existing pit, 4 in. thick - Max. 50 ft. push	1,320.00	SF	\$0.76	\$996.86
Concrete Runners TR115 SA12	(2) 18x3	Demo. and on-site disposal in existing pit, 6 in. thick - Max. 50 ft. push	108.00	SF	\$1.13	\$122.33

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	7,726.00	(unadjusted):	\$9,794,798.54	location):	\$8,609,627.92

Task description: Conveyors and LOB, Septic System, Tire Demo								
Cresson Project		Permit Action:	2025 Update M1980244	Permit/.	Job#: <u>M1980244</u>			
CT IDENTIFICATION								
: D1000	State:	Colorado		Abbreviation:	None			
: 6/30/2025	County:	Teller		Filename:	D1000			
: ERR								
	Cresson Project CT IDENTIFICATION D1000 6/30/2025	Cresson Project CT IDENTIFICATION : D1000 State: : 6/30/2025 County:	Permit Action: Cresson Project	Permit Action: 2025 Update M1980244	Permit Action: 2025 Update M1980244 Permit/.			

Agency or organization name: DRMS

<u>UNIT COSTS</u> <u>Location adjustment: 87.90 %</u>

Structure or Item		Demolition Menu			TI 4 G 4	T
Description	Dimensions	Selection	Quantity	Unit	Unit Cost	Total Cost
Mill Conveyor Demo	1250 ft.	Conveyor, Horizontal Belt 24" Belt, 61.5' Length	20.30	EA	\$3,475.00	\$70,542.50
ROM Conveyor Demo	136 ft.	Conveyor, Horizontal Belt 24" Belt, 61.5' Length	2.20	EA	\$3,475.00	\$7,645.00
Septic Systems	12 total	Comprehensive storage tank removal, non-leaking - 6,000 to 8,000 gal. tank	12.00	EA	\$5,536.95	\$66,443.40
Tire Disposal	Qt: 50 + 12% Loc. Adj.	USER PROVIDED ITEM	50.00	EA	\$1,126.39	\$56,319.50
Loadout Bin	21.85x36	Plant (1S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	13,492.00	CF	\$0.46	\$6,148.30
Lime Silo	84x21.5	Plant (3S) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	119,088.00	CF	\$0.48	\$57,614.77
Screen Feed	587 ft.	Conveyor, Horizontal Belt 24" Belt, 61.5' Length	9.50	EA	\$3,475.00	\$33,012.50
Crushed Ore	1243 ft.	Conveyor, Horizontal Belt 24" Belt, 61.5' Length	20.20	EA	\$3,475.00	\$70,195.00
Secondary Crusher Feeder	843 ft.	Conveyor, Horizontal Belt 24" Belt, 61.5' Length	13.70	EA	\$3,475.00	\$47,607.50
Shuttle (2)	111 ft. each	Conveyor, Horizontal Belt 24" Belt, 61.5' Length	3.60	EA	\$3,475.00	\$12,510.00
Screen Undersize	620 ft.	Conveyor, Horizontal Belt 24" Belt, 61.5' Length	10.10	EA	\$3,475.00	\$35,097.50
Screen Oversize	555 ft.	Conveyor, Horizontal Belt 24" Belt, 61.5' Length	9.00	EA	\$3,475.00	\$31,275.00
Prodict to LOB	586 ft.	Conveyor, Horizontal Belt 24" Belt, 61.5' Length	9.50	EA	\$3,475.00	\$33,012.50
LOB Relocation Phase IV	2050 ft.	Conveyor, Horizontal Belt 24" Belt, 61.5'	33.30	EA	\$3,475.00	\$115,717.50

Demo Worksheet Cont'd Task # TTT Page 2 of 2

		Length				
Process Pond Liner Removal - Cutting & Folding + 12% location adjustment	NA	USER PROVIDED ITEM	1.12	EA	\$84,416.00	\$94,545.92
TR79 8' Dia, CMP Manhole	8 ft x 4-6Ft	Pipe, corrugated metal (CMP) - 96 in. diameter pipe	6.00	LF	\$64.93	\$389.61
TR113 Leach Cell Liner Disposal (80mm)	67,049sqft w/20x swell	Load/haul/dump demolished materials/debris into pit - Max. 10,000 ft. haul	12,460.00	CY	\$2.09	\$26,028.94
TR90 Mercury Sampling prior to Demolition	10 Samples	Hazardous waste sampling and analysis, per sample	10.00	EA	\$224.65	\$2,246.50
TR90 Demolish Concentrate Storage Building	4 CY	USER PROVIDED ITEM	4.00	CY	\$32.13	\$128.52
TR90 Demolish, Decommission, Microencalsulate, and Dispose of Retort	1 Retort System	USER PROVIDED ITEM	1.00	EA	\$20,836.00	\$20,836.00
TR90 Demolish Supports for Retort	.5 ton	USER PROVIDED ITEM	0.50	Ton	\$200.00	\$100.00
TR90 Transport One- ton Flask to Refining Facility, Refine, and Ship to Long	1 Flask	USER PROVIDED ITEM	1.00	EA	\$8,560.00	\$8,560.00
TR90 Ten Years of Long Term Storage	10 years	USER PROVIDED ITEM	10.00	YR	\$1,200.00	\$12,000.00
TR90 Disposal with DOE	2200 lbs	USER PROVIDED ITEM	2,200.00	Lbs	\$10.00	\$22,000.00
TR115 SA11 12 Solar Panels 8 Batteries 1 Inverter 250' cable	(12) 6.5'x3.5'x1.3" & (8)	Hauling only, per mile, 12-18 CY truck - 30 mph average speed	25.00	MI	\$10.14	\$253.54
TR115 SA11 12 Solar Panels 8 Batteries 1 Inverter 250' cable	(12) 6.5'x3.5'x1.3" & (8)	Dumpsite disposal charge - Maximum	2.00	TON	\$415.00	\$830.00

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	200.00	(unadiusted):	\$831,060,00	location):	\$730,501,74

	Task description:	Waste and Tank Disposal			
Site:	Cresson Project	Permit Action:	2025 Update M1980244	Permit/.	Job#: _M1980244
PROJE	CCT IDENTIFICATIO	<u>N</u>			
Task #	: D2000	State: Colorado		Abbreviation:	None
Date	: 6/30/2025	County: Teller		Filename:	D2000
User	: ERR				
	Agency or organiza	ation name: DRMS			

UNIT COSTS

Location adjustment: 87.90 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Carbon Columns - Remove Remnant Waste	10	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	10.00	EA	\$432.00	\$4,320.00
Carbon Columns - Dispose Tank	10	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	10.00	EA	\$1,050.00	\$10,500.00
Intermediate - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00
Intermediate - Dispose Tank	1	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
1999 Solution Tanks - Remove Remnant Waste	2	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	2.00	EA	\$432.00	\$864.00
1999 Solution Tanks - Dispose Tank	2	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	2.00	EA	\$1,050.00	\$2,100.00
1999 Carbon Tanks - Remove Remnant Waste	5	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	5.00	EA	\$432.00	\$2,160.00
1999 Carbon Tanks - Dispose Tank	5	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	5.00	EA	\$1,050.00	\$5,250.00
Kiln - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
Kiln - Remove/Haul Bulk Waste	290 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	2,169.00	GAL	\$1.98	\$4,297.01
Kiln - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Carbon Feed - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00

Carbon Feed - Remove/Haul Bulk Waste	1256 CF	Hazardous waste removal - Bulk liquids, large quantities (over	9,369.00	GAL	\$1.98	\$18,560.93
Carbon Feed - Dispose Tank	1	2,500 gal.) Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
Carbon Quench - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
Carbon Quench - Remove/Haul Bulk Waste	706 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	5,281.00	GAL	\$1.98	\$10,462.19
Carbon Quench - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Carbon Strip - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
Carbon Strip - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Cyanide Mix - Remove Remnant Waste	2	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	2.00	EA	\$432.00	\$864.00
Cyanide Mix - Dispose Tank	2	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	2.00	EA	\$1,050.00	\$2,100.00
Tran D Carbon Columns - Remove Remnant Waste	5	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	5.00	EA	\$432.00	\$2,160.00
Tran D Carbon Columns - Dispose Tank	5	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	5.00	EA	\$1,050.00	\$5,250.00
Pregnant Solution Tanks - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00
Pregnant Solution Tanks - Dispose Tank	1	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
D Head - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 6,000 to 8,000 gal.	1.00	EA	\$324.00	\$324.00
D Head - Dispose Tank	1	Haul tank to certified salvage dump - 6,000 to 8,000 gal. tank	1.00	EA	\$880.00	\$880.00
D Transfer - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00
D Transfer - Dispose Tank	1	Haul tank to certified salvage dump - 9,000 to	1.00	EA	\$1,050.00	\$1,050.00

		12,000 gal. tank				
Pre-Dryer - Remove	1	Remove sludge, water,	1.00	EA	\$432.00	\$432.00
Remnant Waste	1	and rem. product from	1.00		Ψ132.00	Ψ132.00
Trommant Waste		tank - 9,000 to 12,000				
		gal.				
Pre-Dryer -	8,738 CF	Hazardous waste	65,365.00	GAL	\$1.98	\$129,494.60
Remove/Haul Bulk	0,730 C1	removal - Bulk liquids,	05,505.00	GIL	Ψ1.70	Ψ127,474.00
Waste		large quantities (over				
vv asic		2,500 gal.)				
Pre-Dryer - Dispose	1	Haul tank to certified	1.00	EA	\$1,050.00	\$1,050.00
Tank	1	salvage dump - 9,000 to	1.00	LA	\$1,030.00	\$1,030.00
Talik		12,000 gal. tank				
Victor Fresh Water -	6,842 CF	Load/haul/dump	254.00	CY	\$2.09	\$530.61
Dispose Tank	0,042 C1	demolished	234.00	CI	Ψ2.07	Ψ550.01
Dispose Talik		materials/debris into pit				
		- Max. 10,000 ft. haul				
Detox - Remove	1	Remove sludge, water,	1.00	EA	\$432.00	\$432.00
Remnant Waste	1	and rem. product from	1.00	LA	ψ 1 32.00	Φ 4 34.00
Kenmant waste		tank - 9,000 to 12,000				
		gal.				
Detox -	1,413 CF	Hazardous waste	10,570.00	GAL	\$1.98	\$20,940.23
Remove/Haul Bulk	1,713 C1	removal - Bulk liquids,	10,570.00	UAL	ψ1./0	ψ Δ U,Σ + U.Δ3
Waste		large quantities (over				
waste		2,500 gal.)				
Detox - Dispose	1	Haul tank to certified	1.00	EA	\$1,050.00	\$1,050.00
Tank	1	salvage dump - 9,000 to	1.00	LA	\$1,030.00	\$1,030.00
1 ulik		12,000 gal. tank				
Pregnant Solution	4	Remove sludge, water,	4.00	EA	\$432.00	\$1,728.00
Tanks - Remove	7	and rem. product from	4.00	LA	ψ+32.00	φ1,720.00
Remnant Waste		tank - 9,000 to 12,000				
Kenmant Waste		gal.				
Pregnant Solution	4	Haul tank to certified	4.00	EA	\$1,050.00	\$4,200.00
Tanks - Dispose	r	salvage dump - 9,000 to	7.00	LA	Ψ1,050.00	Ψ+,200.00
Tanks - Dispose Tank		12,000 gal. tank				
Fire Water - Dispose	11,083 CF	Load/haul/dump	411.00	CY	\$2.09	\$858.58
Tank	11,005 CI	demolished	111.00		ΨΔ.02	φυσυ.συ
1 WIIN		materials/debris into pit				
		- Max. 10,000 ft. haul				
Bulk Storage -	4	Remove sludge, water,	4.00	EA	\$432.00	\$1,728.00
Remove Remnant	'	and rem. product from	1.00	27.1	ψ 152.00	Ψ1,720.00
Waste		tank - 9,000 to 12,000				
TT dote		gal.				
Bulk Storage -	9,236 CF Ea	Hazardous waste	69,090.00	GAL	\$1.98	\$136,874.20
Remove/Haul Bulk),230 CI Lu	removal - Bulk liquids,	0,0000	0,12	Ψ1.70	φ150,071.20
Waste		large quantities (over				
abto		2,500 gal.)				
Bulk Storage -	4	Haul tank to certified	4.00	EA	\$1,050.00	\$4,200.00
Dispose Tank		salvage dump - 9,000 to		2.1	Ψ1,050.00	Ψ 1,200.00
Dispose runk		12,000 gal. tank				
SST Solution -	2	Remove sludge, water,	2.00	EA	\$432.00	\$864.00
Remove Remnant	_	and rem. product from			ψ.2 2. 00	\$00 II.00
Waste		tank - 9,000 to 12,000				
		gal.				
SST Solution -	3,392 CF Ea	Hazardous waste	50,748.00	GAL	\$1.98	\$100,536.86
Remove/Haul Bulk	5,572 CI 12a	removal - Bulk liquids,	20,7 10.00	J. 11	Ψ1.70	Ψ100,550.00
Waste		large quantities (over				
2000		2,500 gal.)				
SST Solution -	2	Haul tank to certified	2.00	EA	\$1,050.00	\$2,100.00
Dispose Tank	_	salvage dump - 9,000 to			\$1,550.00	\$ 2 ,100.00
2 topoot runk	1	541,450 dulip 7,000 to	1		I.	

T 1 D		12,000 gal. tank	2.00	-	42.70.7 0	φ == 2.75
Fuel - Remove Remnant Waste	3	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	3.00	EA	\$259.50	\$778.50
Fuel - Dispose Tank	3	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	3.00	EA	\$760.00	\$2,280.00
Prill - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00
Prill - Remove/Haul Bulk Waste	25,132 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	188,000.00	GAL	\$1.98	\$372,446.80
Prill - Dispose Tank	1	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
Carbon Columns - Remove Remnant Waste	20	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	20.00	EA	\$432.00	\$8,640.00
Carbon Columns - Dispose Tank	20	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	20.00	EA	\$1,050.00	\$21,000.00
Intermediate - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00
Intermediate - Dispose Tank	1	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
Barren - Remove Remnant Waste	2	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	2.00	EA	\$432.00	\$864.00
Barren - Dispose Tank	2	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	2.00	EA	\$1,050.00	\$2,100.00
Acid Mix - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 6,000 to 8,000 gal.	1.00	EA	\$324.00	\$324.00
Acid Mix - Remove/Haul Bulk Waste	1070 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	8,004.00	GAL	\$1.98	\$15,856.72
Acid Mix - Dispose Tank	1	Haul tank to certified salvage dump - 6,000 to 8,000 gal. tank	1.00	EA	\$880.00	\$880.00
Acid Neutralization - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 6,000 to 8,000 gal.	1.00	EA	\$324.00	\$324.00
Acid Neutralization - Remove/Haul Bulk Waste	1070 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	8,004.00	GAL	\$1.98	\$15,856.72

Acid Neutralization -	1	Haul tank to certified	1.00	EA	\$880.00	\$880.00
Dispose Tank	1	salvage dump - 6,000 to 8,000 gal. tank	1.00	EA	\$880.00	φοου.υυ
Acid Neut Scrubber - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 6,000 to 8,000 gal.	1.00	EA	\$324.00	\$324.00
Acid Neut Scrubber - Remove/Haul Bulk Waste	1070 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	8,004.00	GAL	\$1.98	\$15,856.72
Acid Neut Scrubber - Dispose Tank	1	Haul tank to certified salvage dump - 6,000 to 8,000 gal. tank	1.00	EA	\$880.00	\$880.00
Concentrated Acid - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 6,000 to 8,000 gal.	1.00	EA	\$324.00	\$324.00
Concentrated Acid - Remove/Haul Bulk Waste	936 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	7,002.00	GAL	\$1.98	\$13,871.66
Concentrated Acid - Dispose Tank	1	Haul tank to certified salvage dump - 6,000 to 8,000 gal. tank	1.00	EA	\$880.00	\$880.00
Sodium hydroxide - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00
Sodium hydroxide - Remove/Haul Bulk Waste	2,674 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	20,003.00	GAL	\$1.98	\$39,627.94
Sodium hydroxide - Dispose Tank	1	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
Kiln - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
Kiln - Remove/Haul Bulk Waste	290 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	2,169.00	GAL	\$1.98	\$4,297.01
Kiln - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Feed - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00
Feed - Remove/Haul Bulk Waste	1,256 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	9,396.00	GAL	\$1.98	\$18,614.42
Feed - Dispose Tank	1	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
Quench - Remove	1	Remove sludge, water,	1.00	EA	\$259.50	\$259.50

Remnant Waste		and rem. product from tank - 3,000 to 5,000 gal.				
Quench - Remove/Haul Bulk Waste	706 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	5,281.00	GAL	\$1.98	\$10,462.19
Quench - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Strip - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
Strip - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Preg - Remove Remnant Waste	2	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	2.00	EA	\$432.00	\$864.00
Preg - Dispose Tank	2	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	2.00	EA	\$1,050.00	\$2,100.00
Transfer Water - Dispose Tank	668 CF	Load/haul/dump demolished materials/debris into pit - Max. 5,000 ft. haul	25.00	CY	\$1.51	\$37.78
Pretreatment - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
Pretreatment - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
NaCN - Remove Remnant Waste	2	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	2.00	EA	\$432.00	\$864.00
NaCN - Dispose Tank	2	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	2.00	EA	\$1,050.00	\$2,100.00
Carbon Attrition - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
Carbon Attrition - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
E Cell Tanks - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
E Cell Tanks - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Thickener - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000	1.00	EA	\$432.00	\$432.00

		anl and				
Thickener - Dispose	1	gal. Haul tank to certified	1.00	EA	\$1,050.00	\$1,050.00
Tank		salvage dump - 9,000 to 12,000 gal. tank	1.00	LA	\$1,030.00	\$1,030.00
Process Water - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00
Process Water - Dispose Tank	1	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
Thickener - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00
Thickener - Dispose Tank	1	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
NaCN - Remove Remnant Waste	2	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	2.00	EA	\$432.00	\$864.00
NaCN - Dispose Tank	2	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	2.00	EA	\$1,050.00	\$2,100.00
Leach - Remove Remnant Waste	6	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	6.00	EA	\$432.00	\$2,592.00
Leach - Dispose Tank	6	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	6.00	EA	\$1,050.00	\$6,300.00
PS Stablization - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00
PS Stabilzation - Dispose Tank	1	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
CoMag Clarifiers - Remove Remnant Waste	8	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	8.00	EA	\$432.00	\$3,456.00
CoMag Clarifiers - Dispose Tank	8	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	8.00	EA	\$1,050.00	\$8,400.00
Coagulant - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00
Coagulant - Remove/Haul Bulk Waste	45,160 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	337,820.00	GAL	\$1.98	\$669,255.20
Coagulant - Dispose Tank	1	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
Precoat - Remove Remnant Waste	1	Remove sludge, water, and rem. product from	1.00	EA	\$432.00	\$432.00

		tank - 9,000 to 12,000				
		gal.				
Precoat - Remove/Haul Bulk Waste	45,160 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	337,820.00	GAL	\$1.98	\$669,255.20
Precoat - Dispose Tank	1	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
CoMag Process Tanks - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00
CoMag Process Tanks - Dispose Tank	1	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
Wet Wells - Remove Remnant Waste	2	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	2.00	EA	\$432.00	\$864.00
Wet Wells - Dispose Tank	2	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	2.00	EA	\$1,050.00	\$2,100.00
Gravity Thickener - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00
Gravity Thickener - Dispose Tank	1	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	1.00	EA	\$1,050.00	\$1,050.00
Mag Chloride - Remove Remnant Waste	3	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	3.00	EA	\$432.00	\$1,296.00
Mag Chloride - Remove/Haul Bulk Waste	2,002 CF Ea	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	36,000.00	GAL	\$1.98	\$71,319.60
Mag Chloride - Dispose Tank	3	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	3.00	EA	\$1,050.00	\$3,150.00
Train E Facilities - Carbon Columns - Remove Remnant Waste	5	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	5.00	EA	\$432.00	\$2,160.00
Train E Facilities - Carbon Columns - Dispose Tank	5	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	5.00	EA	\$1,050.00	\$5,250.00
Train E Facilities - Barren Tank - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
Train E Facilities - Barren Tank - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Soda Ash Mix Tank - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50

Soda Ash Mix Tank -	402 CF	Hazardous waste	3,007.00	GAL	\$1.98	\$5,957.17
Remove/Haul Bulk Waste		removal - Bulk liquids, large quantities (over 2,500 gal.)			7.00	40,2000
Soda Ash Mix Tank - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Precoat Mix Tank - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
Precoat Mix Tank - Remove/Haul Bulk Waste	170 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	1,272.00	GAL	\$1.98	\$2,519.96
Precoat Mix Tank - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
PSE Thickener Polymer Mix Tank - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
PSE Thickener Polymer Mix Tank - Dispose Tank PSE Conditioning	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank Remove sludge, water,	1.00	EA EA	\$760.00 \$259.50	\$760.00 \$259.50
Tank - Remove Remnant Waste	1	and rem. product from tank - 3,000 to 5,000 gal.		EA	Ψ237.30	\$237.30
PSE Conditioning Tank - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Polymer Storage Tank - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
Polymer Storage Tank - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Magnetite Silo - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
Magnetite Silo - Remove/Haul Bulk Waste	402 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	3,007.00	GAL	\$1.98	\$5,957.17
Magnetite Silo - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Off road diesel tanks - Remove Remnant Waste	6	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	6.00	EA	\$432.00	\$2,592.00
Off road diesel tanks - Dispose Tank	6	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	6.00	EA	\$1,050.00	\$6,300.00
kerosene tank - Remove Remnant	1	Remove sludge, water, and rem. product from	1.00	EA	\$259.50	\$259.50

Waste		tank - 3,000 to 5,000				
		gal.				
kerosene tank - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
on-road diesel tank - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000	1.00	EA	\$259.50	\$259.50
on-road diesel tank - Dispose Tank	1	gal. Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
fuel additive (Anti- Gel) tank - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
fuel additive (Anti- Gel) tank - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
gasoline tank - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	1.00	EA	\$259.50	\$259.50
gasoline tank - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
antifreeze tanks - Remove Remnant Waste	2	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	2.00	EA	\$259.50	\$519.00
antifreeze tanks - Dispose Tank	2	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	2.00	EA	\$760.00	\$1,520.00
hydraulic oil (10 wt) tanks - Remove Remnant Waste	2	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	2.00	EA	\$259.50	\$519.00
hydraulic oil (10 wt) tanks - Dispose Tank	2	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	2.00	EA	\$760.00	\$1,520.00
30 wt motor oil - Remove Remnant Waste	2	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	2.00	EA	\$259.50	\$519.00
30 wt motor oil - Dispose Tank	2	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	2.00	EA	\$760.00	\$1,520.00
15/40 wt motor oil - Remove Remnant Waste	2	Remove sludge, water, and rem. product from tank - 3,000 to 5,000 gal.	2.00	EA	\$259.50	\$519.00
15/40 wt motor oil - Dispose Tank	2	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	2.00	EA	\$760.00	\$1,520.00
oil water separator tank - Remove Remnant Waste	1	Remove sludge, water, and rem. product from tank - 3,000 to 5,000	1.00	EA	\$259.50	\$259.50
		gal.				

Demo Worksheet Cont'd Task # TTT Page 11 of 11

tank - Remove/Haul		removal - Bulk liquids,				
Bulk Waste		large quantities (over				
		2,500 gal.)				
oil water separator	1	Haul tank to certified	1.00	EA	\$760.00	\$760.00
tank - Dispose Tank		salvage dump - 3,000 to				
		5,000 gal. tank				
Dispose Hazardous	440,000 Gal	Hazardous waste	440,000.00	GAL	\$1.98	\$871,684.00
Materials		removal - Bulk liquids,				
		large quantities (over				
		2,500 gal.)				
Lump Sum 11-Demo	NA	USER PROVIDED	1.12	EA	\$113,506.00	\$127,126.72
PCS @ Fuel Island		ITEM				
Plus 12% location						
adjustment						
Carbon in ADR	45 columns	Remove sludge, water,	45.00	EA	\$432.00	\$19,440.00
Columns - Remove		and rem. product from				
Remnant Waste		tank - 9,000 to 12,000				
		gal.				
Carbon in ADR	45 x 5 Tons	Hazardous waste	225.00	TON	\$1,159.26	\$260,832.44
Columns -	Carbon	removal - Bulk solids,				
Remove/Haul Bulk		large quantities (over				
Waste		1.5 tons)				

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	160.00	(unadjusted):	\$3,842,419.03	location):	\$3,377,486.33

,	Task description	on: Fenc	e and Culvert Demo				
Site:	Site: Cresson Project			5 Update 980244	Permit/Job#: M1980244		
<u>PROJE</u>	CT IDENTII	FICATION					
Task #: Date: User:	6/30/2025	C	State: Colorado ounty: Teller		Abbreviat Filena		
	Agency	or organization na	me: DRMS				
UNIT C	<u>osts</u>				Location	adjustment	<u>: 87.90 %</u>
	ure or Item cription	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Arequa F Removal		3450 ft	Fencing, chain link, including posts and fabric - 8 ft. to 10 ft. high	3,450.00	LF	\$3.53	\$12,178.50
Squaw Fo		8835 ft	Fencing, chain link, including posts and fabric - 8 ft. to 10 ft. high	8,835.00	LF	\$3.53	\$31,187.55
Ironclad	Culvert 1	80 ft	Pipe, corrugated metal (CMP) - 24 in. diameter pipe	80.00	LF	\$10.60	\$847.61
Ironclad	Culvert 2	80 ft	Pipe, corrugated metal (CMP) - 24 in. diameter pipe	80.00	LF	\$10.60	\$847.61

| Total Cost | Subtotal | (adjusted for | Job Hours: _____60.00 | (unadjusted): _____\$446,756.49 | location): _____\$41,098.95

80.00

80.00

\$10.60

\$10.60

LF

LF

\$847.61

\$847.61

Pipe, corrugated metal

Pipe, corrugated metal

pipe

(CMP) - 24 in. diameter

(CMP) - 24 in. diameter

Ironclad Culvert 3

Ironclad Culvert 4

80 ft

80 ft

Task descript	ion: Fence	Installation (RS Means 3	2 31 13.20 0920)			
Site: Cresson Pr	oject		25 Update 1980244	P	Permit/Job#: _	M1980244
PROJECT IDENT	<u>IFICATION</u>					
Task #: D4000	S	State: Colorado		Abbrevia	ntion: None	
Date: 6/30/2025			Filen	ame: D400	00	
User: ERR		•				
Λαρο	y or organization nan	na: DPMS				
Agene	y of organization han	ic. DRWIS				
<u>UNIT COSTS</u>				Location	n adjustment	: 100.00 %
Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Cresson Fencing	22542 ft	USER PROVIDED ITEM	22,542.00	LF	\$48.95	\$1,103,430.90
Globe Hill Fencing	16764 ft	USER PROVIDED ITEM	16,764.00	LF	\$48.95	\$820,597.80
Safety Signs	NA	USER PROVIDED ITEM	111.00	EA	\$244.18	\$27,103.98
Job Hours:	320.00	Subtotal (unadjusted):\$1	,951,132.68	(ad	Total Cost justed for location):	\$1,951,132.68

7	Γask description:	Pipe Demo				
Site: _	Cresson Project		Permit Action:	2025 Update M1980244	Permit/s	Job#: <u>M1980244</u>
PROJEC	CT IDENTIFICATION	<u>N</u>				
Task #:	D5000	State:	Colorado		Abbreviation:	None
Date:	6/30/2025	County:	Teller		Filename:	D5000
User:	ERR					
	Agency or organiza	tion name:	DRMS			

UNIT COSTS

Location adjustment: 87.90 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Arequa Large Pipes	6900 ft	Pipe, steel, welded connections - 10 in. diameter pipe	6,900.00	LF	\$12.24	\$84,456.00
Arequa Small Pipes	21200 ft	Pipe, steel, welded connections - 10 in. diameter pipe	21,200.00	LF	\$12.24	\$259,488.00
Squaw Large Pipes	4082 ft	Pipe, steel, welded connections - 10 in. diameter pipe	4,082.00	LF	\$12.24	\$49,963.68
Arequa Small Pipes	12422 ft	Pipe, steel, welded connections - 10 in. diameter pipe	12,422.00	LF	\$12.24	\$152,045.28
Barren Pipe (TR76)	300 ft	Pipe, steel, welded connections - 10 in. diameter pipe	300.00	LF	\$12.24	\$3,672.00
TR130 18" HDPE Stormwater Pipe	2331 ft	Pipe, sewer/water - 15 to 18 in. diameter pipe	2,331.00	LF	\$5.24	\$12,214.44
TR130 24" HDPE Stormwater Pipe	890 ft	Pipe, sewer/water - 21 to 24 in. diameter pipe	890.00	LF	\$7.86	\$6,995.40
ADR - PSES Piping North (6)	715 ft	Pipe, steel, welded connections - 10 in. diameter pipe	4,290.00	LF	\$12.24	\$52,509.60
CoMag - PSES South (3)	100 ft	Pipe, steel, welded connections - 10 in. diameter pipe	300.00	LF	\$12.24	\$3,672.00
TR92 4" HDPE Solution Pipe	1950 ft	Pipe, sewer/water - 12 in. diameter pipe	1,950.00	LF	\$5.24	\$10,218.00
TR92 30" HDPE Solution Pipe	100 ft	Pipe, sewer/water - 27 to 36 in. diameter pipe	100.00	LF	\$7.86	\$786.00
TR79 4" HDPE Solution Pipe	1700 ft	Pipe, sewer/water - 12 in. diameter pipe	1,700.00	LF	\$5.24	\$8,908.00

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	80.00	(unadjusted):	\$644,928.40	location):	\$566,892.06

Task descripti	on: Powe	er Line Demo				
Site: Cresson Pro	ject	Permit Action:	2025 Update M1980244		Permit/Job#:	M1980244
PROJECT IDENTI	FICATION					
Task #: D6000 State: Colorado Abbreviation: None Date: 6/30/2025 County: Teller Filename: D6000 User: ERR Agency or organization name: DRMS						
UNIT COSTS				Loca	tion adjustmen	t: 100.00 %
Structure or Item		Demolition Menu			TI '' C '	T 4 1 C 4
Description	Dimensions	Selection	Quantity	Unit	Unit Cost	Total Cost
Power Lines (Single Pole) 7.2 mi USER PROVIDED ITEM			1.00	Ea	\$347,098.00	\$347,098.00

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	80.00	(unadjusted):	\$453,431.00	location):	\$453,431.00

1.00

Ea

\$106,333.00

\$106,333.00

USER PROVIDED

ITEM

Crusher and ADR1

Lines (Double Pole)

1.9 mi

SITE MAINTENANCE

	Task description:	Vegetation Survey			
Site:	Cresson Project	Permit Action:	2025 Update M1980244	Permit/.	Job#: <u>M1980244</u>
<u>PROJE</u>	CCT IDENTIFICATION	<u>ON</u>			
Task #	: E0002	State: Colorado		Abbreviation:	None
Date	: 6/30/2025	County: Teller		Filename:	E0002
User	: ERR	-			
	Agency or organia	zation name: DRMS			

UNIT COSTS

Maintenance Item	Hours per Year	Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Vegetation Survey -	50.00	USER PROVIDED	500.00	HR	\$132.56	\$66,280.00
Field Work		ITEM				
Vegetation Survey -	16.00	USER PROVIDED	160.00	HR	\$132.56	\$21,209.60
Reporting		ITEM				
Vegetation Survey -	10.00	USER PROVIDED	100.00	HR	\$132.56	\$13,256.00
Travel		ITEM				
Vegetation Survey -	1.00	USER PROVIDED	1.00	EA	\$13,485.00	\$13,485.00
Equipment		ITEM				

Job Hours: 760.00 Total Cost: \$114,230.60

REVEGETATION WORK

Cresson Pr	roject		rmit Action		Update 80244		Permit/Job#	: <u>M1980244</u>
ROJECT II	DENTIFICAT	<u>ION</u>						
Date:	E0003 6/30/2025 ERR	State: County:	Colorado Teller)		Ab		None E0003
Agen	cy or organizatio	n name: DR	RMS					
ERTILIZIN	NG							
I aterials								
Description	1			Jnits / Acre	Unit	Cos	st / Unit	Cost /Acre
						\$		\$
						To	tal Fertilizer Materials Cost/Acre	\$0.00
				Total	l Fertilizer	Application	on Cost/Acre	\$0.00
TILLING				Total	l Fertilizer	Application	on Cost/Acre	\$0.00
TILLING Description	1			Total	l Fertilizer	Application	on Cost/Acre	\$0.00 Cost /Acre
Description	n ol spraying (MEA	ANS 31 31 16.	13 3100)	Total	l Fertilizer	Application	on Cost/Acre	
Description		ANS 31 31 16.	13 3100)	Total			on Cost/Acre	Cost /Acre
Description		ANS 31 31 16.	13 3100)	Total				Cost /Acre \$338.80
Description Weed contro		ANS 31 31 16.	13 3100)	Total				Cost /Acre \$338.80
Description Weed control		ANS 31 31 16.	13 3100)	Total		Rate – PLS LBS /	seeds	Cost /Acre \$338.80 \$338.80
Description Weed control		ANS 31 31 16.	13 3100)			Rate – PLS LBS /	seeds	Cost /Acre \$338.80 \$338.80 Cost /Acre
Description Weed control		ANS 31 31 16.	13 3100)		,	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre \$338.80 \$338.80 Cost /Acre

	\$
Total Seed Application Cost/Acr	e \$0.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description	Cost /Acre
Weed spray, truck, non-aquatic area, nox. [DMG]	\$83.26
Weed spray, truck, non-aquatic areas, ann. [DMG]	\$27.19
Total Mulch Application Cost/Acre	\$110.45

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals	Nursery Stoc	k Cost / Acre	\$0.00

JOB TIME AND COST

No. of Acres: 1790.04 Cost /Acre: \$449.25

Estimated Failure Rate: 0% Cost /Acre*: \$0.00

*Selected Replanting Work Items: NONE

Initial Job Cost: \$804,175.47

Reseeding Job Cost: \$0.00

Total Job Cost: Job Hours: 160.00

DRILLING EQUIPMENT

	Task description:	Perforate V	/LF Liner (6,000 LF)		
Site:	Cresson Project	Pe	rmit Action:	2025 Update M1980244	Permit/Job#:	M1980244
	PROJECT IDENTI	FICATION PROPERTY OF THE PROPE				
	Task #: <u>E2000</u> Date: <u>6/30/2025</u> User: <u>ERR</u>	Stat 5 Count		0	Abbreviation: Filename:	None E2000
	Agency or organiz	zation name: _	DRMS			
	HOURLY EQUIPM	IENT COST				
	Make and Model: Attachment 1: Attachment 2: Labor Unit 1: Labor Unit 2:	Atlas Capco Clear water J Mud service Driller - Cais Laborer - Ca	oump station pump station sson Drill	, 225 psi	Horsepow Shift Bas Weig	is: 1 per day
	Cost Breakdown:			Utilization %		
	Ownership Cost/H Operating Cost/H Operator Cost/H Total Unit Cost/H	Iour: \$2 Iour: \$7	11.69 95.38 78.71 85.78	NA 100 NA		
	Total Fleet Cost/H	Hour: \$6	585.78			
	JOB TIME AND CO	<u>OST</u>				
	Fleet size: 1	Equip	oment Set(s)	Total job time	e: <u>690.00</u>	Hours
	Unit cost: \$685	5.78 /Hour	:	Total job cos	t: \$473,18	8

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Initial Mobilization		
Site: Cresson Project	Permit Action:	2025 Update M1980244	Permit/Job#: <u>M1980244</u>
PROJECT IDENTIFI	<u>CATION</u>		
Task #: F0001	State: Colorado		Abbreviation: None

Date: 6/30/2025 County: Teller Filename: F0001
User: ERR

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day
Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,

400 HP (2ND HALF, 2006)

Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT

TRAILER (25T, 50T, AND 100T)

Cost Breakdown:

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$10.44	\$22.18	\$23.94
Operating Cost/Hour:	\$26.48	\$54.55	\$55.65
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$59.44	\$122.78	\$125.64

NON ROADABLE EQUIPMENT:

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
1	(TONS)		t		fleet		
Cat D7R DS	38.49	\$99.49	\$122.78	2	\$444.54	\$245.56	\$500.00
Series II LGP							
Cat D8T - 8SU	47.71	\$173.32	\$122.78	2	\$592.20	\$245.56	\$500.00
Cat D10T - 10SU	84.53	\$257.39	\$125.64	4	\$1,532.12	\$502.56	\$1,000.00
CAT 16M	28.73	\$179.39	\$122.78	2	\$604.34	\$245.56	\$500.00
CAT 966H	25.80	\$57.78	\$59.44	2	\$234.44	\$118.88	\$500.00
CAT 988H	54.46	\$131.26	\$125.64	2	\$513.80	\$251.28	\$500.00
CAT 992K	107.88	\$270.75	\$125.64	2	\$792.78	\$251.28	\$500.00
LETOURNEAU	293.90	\$635.29	\$125.64	2	\$1,521.86	\$251.28	\$500.00
L2350							
CAT 953D	17.10	\$68.69	\$59.44	2	\$256.26	\$118.88	\$500.00
CAT 973D	29.07	\$120.46	\$122.78	2	\$486.48	\$245.56	\$500.00
CAT 450E	9.80	\$78.06	\$59.44	8	\$1,100.00	\$475.52	\$500.00
Grove GMK3055,	39.30	\$167.54	\$122.78	2	\$580.64	\$245.56	\$500.00
141', 54.4 MT							
Grove RT650E,	28.74	\$189.03	\$122.78	4	\$1,247.24	\$491.12	\$1,000.00
105', 45.4 MT							
Broderson IC-200-	13.75	\$87.23	\$59.44	8	\$1,173.36	\$475.52	\$500.00
3F, 59', 13.6MT							
Cat 725	24.54	\$119.08	\$59.44	20	\$3,570.40	\$1,188.80	\$5,000.00
Cat 740	36.49	\$108.25	\$122.78	6	\$1,386.18	\$736.68	\$1,500.00
Cat 777F	80.18	\$199.47	\$125.64	16	\$5,201.76	\$2,010.24	\$4,000.00
KOM45.00U 830E	244.00	\$209.47	\$125.64	14	\$4,691.54	\$1,758.96	\$2,500.00

Water Tanker, 7.000 Gal.	29.65	\$73.42	\$122.78	2	\$392.40	\$245.56	\$500.00
Drill/Broadcast	25.00	\$41.02	\$59.44	2	\$200.92	\$118.88	\$500.00
Seeder with							
Tractor							
Hydroseeder with Tractor	28.00	\$45.21	\$122.78	2	\$335.98	\$245.56	\$500.00
Cat 312D L 9'-2" Stick	14.83	\$49.68	\$59.44	3	\$327.36	\$178.32	\$500.00
Atlas Capco DM45/LP - 7-7/8"	1.25	\$311.69	\$59.44	2	\$742.26	\$118.88	\$500.00
Cat 307D 7'-3" Stick	7.95	\$29.43	\$59.44	2	\$177.74	\$118.88	\$500.00
CAT 246C	3.58	\$39.42	\$59.44	1	\$98.86	\$59.44	\$250.00

Subtotals: \$28,205.4 \$10,944.32 \$24,250.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/	Fleet Size	Haul Trip	Return Trip
	unit		Cost/hr/ fleet	Cost/hr/ fleet
Flatbed Truck, 6x4, 45K GVW	\$110.06	8	\$880.48	\$880.48
Generic 10-12 cy, 6x4	\$108.12	4	\$432.48	\$432.48
Light Duty Pickup, 4x4, 1 T.	\$68.74	30	\$2,062.20	\$2,062.20
Crew				
Water Tanker, 3,500 Gal.	\$75.02	2	\$150.04	\$150.04

Subtotals:	\$3.525.20	\$3,525,20

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: COLORADO SPRINGS
Total one-way travel distance: 52.00 miles
Average Travel Speed: 45.00 mph

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.16	1.16
Return Time (Hours):	1.16	1.16
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.31	2.31

JOB TIME AND COST

Total job cost: \$203,538 Hours

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Site Maintenance Yr 1-14 (combined)

		Permit Action:	2025 Update				
:	Cresson Project		M1980244	Permit/	Job#:	M1980244	

PROJECT IDENTIFICATION

Task description:

Site: Cresson Project

F0002 Task #: Colorado Abbreviation: State: None 6/30/2025 F0002 Date: County: Teller Filename:

User: **ERR**

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,

400 HP (2ND HALF, 2006)

GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT Truck Trailer Description:

TRAILER (25T, 50T, AND 100T)

Cost Breakdown:

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$10.44	\$22.18	\$23.94
Operating Cost/Hour:	\$26.48	\$54.55	\$55.65
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$59.44	\$122.78	\$125.64

NON ROADABLE EQUIPMENT:

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Drill/Broadcast	25.00	\$41.02	\$59.44	2	\$200.92	\$118.88	\$500.00
Seeder with							
Tractor							
Hydroseeder with	28.00	\$45.21	\$122.78	2	\$335.98	\$245.56	\$500.00
Tractor							
SCHRAMM	46.00	\$244.29	\$122.78	2	\$734.14	\$245.56	\$500.00
T145EX							

Subtotals: \$1,271.04 \$610.00 \$1,500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T.	\$68.74	178	\$12,235.72	\$12,235.72
Crew				
Water Tanker, 3,500 Gal.	\$75.02	9	\$675.18	\$675.18

Subtotals: \$12,910.90 \$12,910.90

EQUIPMENT HAUL DISTANCE and Time

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	1.16	1.16
Return Time (Hours):	1.16	1.16
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.31	2.31

JOB TIME AND COST

Total job cost: 6.62 Hours

Total job cost: \$39,728

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: TR124 Carlton Tunnel Pond Cleanout - Mob

Permit Action: 2025 Update

Site: Cresson Project M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: F0003 State: Colorado Abbreviation: None

Date: 6/30/2025 County: Teller Filename: M244-F0003

User: ERR

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day
Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,

400 HP (2ND HALF, 2006)

Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT

TRAILER (25T, 50T, AND 100T)

Cost Breakdown:

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$10.44	\$22.18	\$23.94
Operating Cost/Hour:	\$26.48	\$54.55	\$55.65
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$59.44	\$122.78	\$125.64

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat 320D L 9'-6" Stick	23.70	\$56.67	\$59.44	4	\$464.44	\$237.76	\$250.00

Subtotals: \$464.44 \$237.76 \$250.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T.	\$68.74	4	\$274.96	\$274.96
Crew				
Generic 15-18 cy, 6x4	\$129.15	4	\$516.60	\$516.60

Subtotals: \$791.56 \$791.56

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: COLORADO SPRINGS
Total one-way travel distance: 61.00 miles
Average Travel Speed: 30.00 mph

Transportation Cycle Time:

	Non-		
	Roadable	Roadable	
	Equipment	Equipment	
Haul Time (Hours):	2.03	2.03	
Return Time (Hours):	2.03	2.03	
Loading Time (Hours):	0.50	NA	
Unloading Time (Hours):	0.50	NA	
Subtotals:	5.07	4.07	

JOB TIME AND COST

Total job cost: 10.13 Hours

Total job cost: \$7,504