

COST SUMMARY WORK

Task description: Cresson Project - Reclamation Cost Estimate 2025

Site: Cresson Project

Permit Action: 2025 Update
M1980244

Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: M244-000
User: ERR

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Task Hours	Cost
A0001	Ironclad Mine Area - Pile Leveling - Mass Grading	DOZER	1.50	\$1,475
A0002	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 - Lift 1 - 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 - Lift 1 - 5 - Dozer Spreading	DOZER	300.71	\$62,481
A0213	N. Cresson Mine Area - Topsoil - 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
A0301	ECOSA Mine Area - 50 - 150 ft Lift - Fine Grading	DOZER	1,025.65	\$213,105
A0302	ECOSA Mine Area - Topsoil - Lift 1 - Transport	TRUCK1	54.48	\$136,995

A0303	ECOSA Mine Area - Topsoil - Lift 2 - Transport	TRUCK1	57.80	\$123,548
A0304	ECOSA Mine Area - Topsoil - Lift 3 - Transport	TRUCK1	52.28	\$131,480
A0305	ECOSA Mine Area - Topsoil - Lift 4 - Transport	TRUCK1	39.49	\$114,204
A0306	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
A0308	ECOSA Mine Area -Topsoil - Lift1 - 6 - Dozer Spreading	DOZER	938.23	\$194,940
A0309	ECOSA Mine Area - Topsoil - Ripping	RIPPER	560.07	\$124,466
A0400	E. Cresson Mine Area - Pile Leveling - Mass Grading	DOZER	0.24	\$235
A0401	E. Cresson Mine Area - Pile Leveling - Fine Grading	DOZER	0.22	\$46
A0402	E. Cresson Mine Area - 40 - 400 ft Lift - Mass Grading	DOZER	2,500.76	\$2,465,279
A0403	E. Cresson Mine Area - 40 - 400 ft Lift - Fine Grading	DOZER	2,437.07	\$506,364
A0404	E. Cresson Mine Area - Topsoil - Lift 2 - Transport	TRUCK1	9.11	\$22,911
A0405	E. Cresson Mine Area - Topsoil - Lift 3 - Transport	TRUCK1	7.64	\$19,208
A0406	E. Cresson Mine Area - Topsoil - Lift 4 - Transport	TRUCK1	46.30	\$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
A0603	Crusher Mine Area -Topsoil - Dozer Spreading	DOZER	38.37	\$7,972

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	7.29	\$1,515
A0607	Crusher Mine Area - Topsoil - Delivery Rd - Transport	TRUCK1	7.52	\$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	TRUCK1	6.08	\$9,617
A0704	TR133 WHEX Clay Borrow Area - Topsoil - Ripping	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
A2001	AGVLF - 9500	TRUCK1	193.95	\$798,680
A2002	AGVLF - 9600	TRUCK1	338.75	\$1,222,620
A2003	AGVLF - 9700	TRUCK1	382.51	\$1,380,561
A2004	AGVLF - 9800	TRUCK1	210.88	\$868,422
A2005	AGVLF - 9900	TRUCK1	120.27	\$556,464
A2006	AGVLF - 10000	TRUCK1	37.67	\$174,297
A2007	AGVLF - 9920	TRUCK1	2,720.48	\$12,587,508
A2008	AGVLF - 10020	TRUCK1	1,665.81	\$6,859,931
A2009	AGVLF - 10100	TRUCK1	1,615.58	\$5,830,931
A2010	AGVLF - 10190	TRUCK1	2,022.51	\$7,299,640
A2011	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 - B&G and Topsoil - 5.1k Haul	TRUCK1	69.75	\$154,329
A3002	Foundations and Buildings - B&G and Topsoil - 8.3k Haul	TRUCK1	5.75	\$16,456
A3003	Foundations and Buildings - B&G and Topsoil - 9.3k Haul	TRUCK1	16.47	\$50,750
A3004	Foundations and Buildings - B&G and Topsoil - 10.3k Haul	TRUCK1	95.67	\$294,824
A3005	Foundations and Buildings - B&G and Topsoil - 11.4k Haul	TRUCK1	0.86	\$2,464
A3006	Foundations and Buildings - B&G and Topsoil - 20k Haul	TRUCK1	3.12	\$4,190
A4000	EMP Ponds	TRUCK1	99.08	\$209,648
A4001	EMP Ponds - Topsoil	TRUCK1	6.90	\$14,609
A4002	Crusher Fuel Island Fresh Water Pond	TRUCK1	1.56	\$3,306
A4003	Crusher Fuel Island Fresh Water Pond - Topsoil	TRUCK1	0.28	\$594
A4004	Arequa External Ponds	TRUCK1	106.19	\$224,688
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
A5003	Growth Media Piles - Topsoil - Ripping	RIPPER	201.65	\$44,813
A5004	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
B0002	SGOSA Mine Area - Revegetation	REVEGE	215.30	\$531,283
B0003	N. Cresson Mine Area - Revegetation	REVEGE	160.90	\$397,090
B0004	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
B0011	M. Cresson Mine Area - AJAX - Revegetation	REVEGE	41.60	\$102,758
B0012	M. Cresson Mine Area - Crusher - Revegetation	REVEGE	75.80	\$186,976
B0013	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

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
B5008	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
B5011	N. Cresson Viewshed	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
C0003	VLF1 Rinse 3	NA	6,749.00	\$26,860,031
C1001	VLF2 Rinse 1	NA	3,879.00	\$12,165,704
C1002	VLF2 Rinse 2	NA	3,879.00	\$12,600,401
C1003	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
E0002	Vegetation Survey	SITEMAINT	760.00	\$114,231
E0003	Site-wide Weed Control	REVEGE	160.00	\$804,175
E1000	Water Quality Monitoring (14 years)	NA	1,680.00	\$1,735,134
E2000	Perforate VLF Liner (6,000 LF)	DRILL	690.00	\$473,188
E2001	Perforate VLF Liner (casing)	NA	0.00	\$94,468
E3000	Chicago Tunnel	NA	40.00	\$118,873
F0001	Initial Mobilization	MOB	6.62	\$203,538
F0002	Site Maintenance Yr 1-14 (combined)	MOB	6.62	\$39,728
F0003	TR124 Carlton Tunnel Pond Cleanout - Mob	MOB	10.13	\$7,504
G0001	Prorated VLF2 Civil and Rinses: 67% Built at End of 2025 (Tasks A1100, A1101, C1001-C1003)	NA	0.00	(\$12,931,712)
G0002	Prorated ECOSA Civil: 85% Built at End of 2025 (Tasks A0300 and A0301)	NA	0.00	(\$201,617)
			106961.55	\$231,205,468

INDIRECT COSTS**OVERHEAD AND PROFIT:**

Liability insurance:	2.02	Total =	<u>\$4,670,350</u>
Performance bond:	1.05	Total =	<u>\$2,427,657</u>
Job superintendent:	53,480.78	Total =	<u>\$4,239,421</u>
Profit:	10.00	Total =	<u>\$23,120,547</u>
		TOTAL O & P =	<u>\$34,457,976</u>
		CONTRACT AMOUNT (direct + O & P) =	<u>\$265,663,444</u>

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	<u>\$500</u>	Total =	<u>\$500</u>
Engineering work and/or contract/bid preparation:	<u>7.39</u>	Total =	<u>\$19,632,528</u>
Reclamation management and/or administration:	<u>5.00</u>		<u>\$13,283,172</u>
CONTINGENCY: 3.00		Total =	<u>\$6,936,164</u>

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 = \$332,574,788

BULLDOZER WORKTask description: **Ironclad Mine Area - Pile Leveling - Mass Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0001 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: 1
 User: ERR

Agency or organization name: DRMS**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:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91
 Total Fleet Cost/Hour: **\$985.81**

MATERIAL QUANTITIES

Initial Volume: 5,933
 Swell factor: 1.000
 Loose volume: **5,933 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: 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/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.200</u>	<u>(S-BY-S)</u>

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: **1.50** Hours

Total job cost: **\$1,475**

BULLDOZER WORKTask description: **Ironclad Mine Area - Pile Leveling - Fine Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0002 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: 2
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 659
 Swell factor: 1.000
 Loose volume: **659 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
 Unadjusted hourly production: 800.0 LCY/hr

Materials consistency description: Rock, poorly ripped or blasted 0.6

Average push gradient: -10 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>0.600</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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: **2.74** Hours

Total job cost: **\$570**

BULLDOZER WORKTask description: **Ironclad Mine Area - 40 ft Lift - Mass Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0003 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: 3
 User: ERR

Agency or organization name: DRMS**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:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91
 Total Fleet Cost/Hour: **\$985.81**

MATERIAL QUANTITIES

Initial Volume: 21,753
 Swell factor: 1.000
 Loose volume: **21,753 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 90 feet
 Unadjusted hourly production: 1,873.5 LCY/hr

Materials consistency description: Consolidated stockpile 1.0

Average push gradient: -20 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.000</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.200</u>	<u>(S-BY-S)</u>

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: 1,310.70 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**

BULLDOZER WORKTask description: Ironclad Mine Area - 40 ft Lift - Fine GradingSite: Cresson Project Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: A0004 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: 4
User: ERRAgency 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:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
Total Fleet Cost/Hour: \$207.78**MATERIAL QUANTITIES**Initial Volume: 2,417
Swell factor: 1.000
Loose volume: 2,417 LCYSource of estimated volume: 2022 CC&V Provided Estimate
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 90 feet
Unadjusted hourly production: 535.7 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: -20 %
Average site altitude: 9,500 feetMaterial weight: 2,800 lbs/LCYWeight description: Granite - Broken

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>1.000</u>	<u>(CAT HB)</u>
Dozing method: <u>1.000</u>	<u>(GEN.)</u>

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: 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 WORKTask description: **Ironclad Mine Area - Topsoil - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0005 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0005
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 21,062 CCY Swell factor: 1.215
 Loose volume: 25,590 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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:

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 minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: 20.54 HoursUnit cost: \$2.018 /LCY Total job cost: \$51,649

BULLDOZER RIPPING WORK

Task description: Ironclad Mine Area - Topsoil - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0006 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0006
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$90.24	NA
Operating Cost/Hour:	\$78.95	100
Ripper Ownership Cost/Hour:	\$9.25	NA
Ripper 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 QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 26.11 acres Rip Depth (ft): 2.50 Volume: 105,310 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/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
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.734 acres/hour

Job Condition Correction Factors

Unadjusted 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: 0.61 Acres/hr
Adjusted Hourly Fleet Production: **0.61** Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **42.86** Hours

Unit cost: \$364.754 Per acre Total job cost: **\$9,524**

BULLDOZER WORKTask description: **Ironclad Mine Area -Topsoil - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0007 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: 5
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 21,062
 Swell factor: 1.215
 Loose volume: **25,590 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
 Unadjusted hourly production: 800.0 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -10 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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: **30.39** Hours

Total job cost: **\$6,314**

BULLDOZER WORKTask description: **SGOSA Mine Area - Pile Leveling - Mass Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0100 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: 6
 User: ERR

Agency or organization name: DRMS**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:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91
 Total Fleet Cost/Hour: **\$985.81**

MATERIAL QUANTITIES

Initial Volume: 2,088
 Swell factor: 1.000
 Loose volume: **2,088 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
 Unadjusted hourly production: 2,748.7 LCY/hr

Materials consistency description: Rock, poorly ripped or blasted 0.6

Average push gradient: -10 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>0.600</u>	<u>(CAT HB)</u>
Dozing method: <u>1.200</u>	<u>(S-BY-S)</u>

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: **1.05** Hours

Total job cost: **\$1,038**

BULLDOZER WORKTask description: **SGOSA Mine Area - Pile Leveling - Fine Grading**

Site: **Cresson Project** Permit Action: **2025 Update** Permit/Job#: **M1980244**
M1980244

PROJECT IDENTIFICATION

Task #: **A0101** State: **Colorado** Abbreviation: **None**
 Date: **6/29/2025** County: **Teller** Filename: **A0101**
 User: **ERR**

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: **\$207.78**
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: **232**
 Swell factor: **1.000**
 Loose volume: **232 LCY**

Source of estimated volume: **2022 CC&V Provided Estimate**
 Source of estimated swell factor: **Cat Handbook**

HOURLY PRODUCTION

Average push distance: **50 feet**
 Unadjusted hourly production: **800.0 LCY/hr**

Materials consistency description: **Rock, poorly ripped or blasted 0.6**

Average push gradient: **-10 %**
 Average site altitude: **9,500 feet**

Material weight: **2,800 lbs/LCY**Weight description: **Granite - Broken**

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>0.600</u>	<u>(CAT HB)</u>
Dozing method: <u>1.000</u>	<u>(GEN.)</u>

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: **0.97** Hours

Total job cost: **\$201**

BULLDOZER WORKTask description: **SGOSA Mine Area - 100 - 300 ft Lift - Mass Grading**Site: **Cresson Project**Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: A0102State: ColoradoAbbreviation: NoneDate: 6/29/2025County: TellerFilename: A0102User: ERRAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D10T - 10SUHorsepower: 574Blade Type: Semi-UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91Total Fleet Cost/Hour: **\$985.81****MATERIAL QUANTITIES**Initial Volume: 874,912Swell factor: 1.000Loose volume: **874,912 LCY**Source of estimated volume: 2022 CC&V Provided EstimateSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 375 feetUnadjusted hourly production: 524.3 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: -30 %Average site altitude: 9,500 feetMaterial weight: 2,800 lbs/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.000</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.200</u>	<u>(S-BY-S)</u>

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: 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**

BULLDOZER WORKTask description: **SGOSA Mine Area - 100 - 300 ft Lift - Fine Grading**Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: A0103 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0103
User: ERRAgency 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:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
Total Fleet Cost/Hour: **\$207.78****MATERIAL QUANTITIES**Initial Volume: 97,213
Swell factor: 1.000
Loose volume: **97,213 LCY**Source of estimated volume: 2022 CC&V Provided Estimate
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 375 feet
Unadjusted hourly production: 173.2 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: -30 %
Average site altitude: 9,500 feetMaterial weight: 2,800 lbs/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.000</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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: 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 WORKTask description: **SGOSA Mine Area - Topsoil - Lift 1 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0104 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0104
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 18,610 CCY Swell factor: 1.215
 Loose volume: 22,611 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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

Haul Time: **1.494** minutes

Return Route:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **16.97** HoursUnit cost: \$1.888 /LCY Total job cost: **\$42,680**

TRUCK/LOADER TEAM WORKTask description: SGOSA Mine Area - Topsoil - Lift 2 - Transport

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0105 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0105
 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 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-ripper:	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 cost/hour: **\$2,891.83****MATERIAL QUANTITIES**

Initial volume: 14,415 CCY Swell factor: 1.215
 Loose volume: **17,514** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	4250.00	8.70	3.00	11.70	675	6.342

Haul Time: **6.342** minutes

Return Route:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **14.29** HoursUnit cost: \$2.360 /LCY Total job cost: **\$41,330**

TRUCK/LOADER TEAM WORKTask description: **SGOSA Mine Area - Topsoil - Lift 3 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0106 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0106
 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 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-ripper:	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 cost/hour: **\$2,891.83****MATERIAL QUANTITIES**

Initial volume: 24,337 CCY Swell factor: 1.215
 Loose volume: 29,569 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	3125.00	8.60	3.00	11.60	675	4.674

Haul Time: **4.674** minutes

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **22.20** HoursUnit cost: \$2.171 /LCY Total job cost: **\$64,186**

TRUCK/LOADER TEAM WORKTask description: **SGOSA Mine Area - Topsoil - Lift 4 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0107 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0107
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 46,311 CCY Swell factor: 1.215
 Loose volume: 56,268 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

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: _____

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)
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:

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
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	2000.00	8.50	3.00	11.50	675	3.006

Haul Time: **3.006** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2000.00	-8.50	3.00	-5.50	3450	0.623

Return Time: **0.623** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **42.24** HoursUnit cost: \$1.888 /LCY Total job cost: **\$106,210**

TRUCK/LOADER TEAM WORKTask description: **SGOSA Mine Area - Topsoil - Lift 5 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0108 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0108
 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 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-ripper:	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 cost/hour: **\$2,137.53****MATERIAL QUANTITIES**

Initial volume: 47,964 CCY Swell factor: 1.215
 Loose volume: 58,276 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	750.00	9.30	3.00	12.30	675	1.169

Haul Time: **1.169** minutes

Return Route:

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** minutesTotal 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 WORKTask description: **SGOSA Mine Area -Topsoil - Lift1 - 5 - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0109 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0109
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 151,637
 Swell factor: 1.215
 Loose volume: **184,239 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: -10 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 - Topsoil - Lift 1 - 5 - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0110 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0110
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 172.22 acres Rip Depth (ft): 2.50 Volume: 694,621 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>245.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.723</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.723</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.60 Acres/hr
Adjusted Hourly Fleet Production: 0.60 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 287.01 Hours

Unit cost: \$370.348 Per acre Total job cost: \$63,781

BULLDOZER WORKTask description: **N. Cresson Mine Area - Pile Leveling - Mass Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0200 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0200
 User: ERR

Agency or organization name: DRMS**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:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91
 Total Fleet Cost/Hour: **\$985.81**

MATERIAL QUANTITIES

Initial Volume: 27,350
 Swell factor: 1.000
 Loose volume: **27,350 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
 Unadjusted hourly production: 2,748.7 LCY/hr

Materials consistency description: Rock, poorly ripped or blasted 0.6

Average push gradient: -10 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>0.600</u>	<u>(CAT HB)</u>
Dozing method: <u>1.200</u>	<u>(S-BY-S)</u>

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 WORKTask description: **N. Cresson Mine Area - Pile Leveling - Fine Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0201 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0201
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 3,039
 Swell factor: 1.000
 Loose volume: **3,039 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
 Unadjusted hourly production: 800.0 LCY/hr

Materials consistency description: Rock, poorly ripped or blasted 0.6

Average push gradient: -10 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>0.600</u>	<u>(CAT HB)</u>
Dozing method: <u>1.000</u>	<u>(GEN.)</u>

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 WORKTask description: **N. Cresson Mine Area - 200 - 250 ft Lift - Mass Grading**Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: A0202 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0202
User: ERRAgency or organization name: DRMS**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:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91
Total Fleet Cost/Hour: **\$985.81****MATERIAL QUANTITIES**Initial Volume: 1,572,058
Swell factor: 1.000
Loose volume: **1,572,058 LCY**Source of estimated volume: 2022 CC&V Provided Estimate
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 400 feet
Unadjusted hourly production: 497.3 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: -30 %
Average site altitude: 9,500 feetMaterial weight: 2,800 lbs/LCYWeight description: Granite - Broken

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>1.000</u>	<u>(CAT HB)</u>
Dozing method: <u>1.200</u>	<u>(S-BY-S)</u>

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 WORKTask description: **N. Cresson Mine Area - 200 - 250 ft Lift - Fine Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0203 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0203
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 174,673
 Swell factor: 1.000
 Loose volume: **174,673 LCY**

Source of estimated volume: 2022 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/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.000</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 WORKTask description: **N. Cresson Mine Area - Topsoil - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0204 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0204
 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 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-ripper:	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 cost/hour: **\$3,268.98****MATERIAL QUANTITIES**

Initial volume: 44,722 CCY Swell factor: 1.215
 Loose volume: 54,337 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	5000.00	8.40	3.00	11.40	724	6.968

Haul Time: 6.968 minutes

Return Route:

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 minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: 40.79 HoursUnit cost: \$2.454 /LCY Total job cost: \$133,332

BULLDOZER WORKTask description: **N. Cresson Mine Area -Topsoil - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0205 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0205
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 44,722
 Swell factor: 1.215
 Loose volume: **54,337 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
 Unadjusted hourly production: 800.0 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -10 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil

<u>Job Condition Correction Factor</u>		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 Mine Area - Topsoil - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0206 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0206
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 55.44 acres Rip Depth (ft): 2.50 Volume: 223,608 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/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
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.734 acres/hour

Job Condition Correction Factors

Unadjusted 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: 0.61 Acres/hr
Adjusted Hourly Fleet Production: 0.61 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 91.00 Hours

Unit cost: \$364.754 Per acre Total job cost: \$20,222

TRUCK/LOADER TEAM WORKTask description: **N. Cresson Mine Area - Topsoil - Lift 1 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0207 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0207
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 3,759 CCY Swell factor: 1.215
 Loose volume: 4,567 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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

Haul Time: **1.494** minutes

Return Route:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **3.43** HoursUnit cost: \$1.888 /LCY Total job cost: **\$8,621**

TRUCK/LOADER TEAM WORKTask description: **N. Cresson Mine Area - Topsoil - Lift 2 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0208 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0208
 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 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-ripper:	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 cost/hour: **\$2,891.83****MATERIAL QUANTITIES**

Initial volume: 13,915 CCY Swell factor: 1.215
 Loose volume: 16,907 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	4250.00	8.70	3.00	11.70	675	6.342

Haul Time: **6.342** minutes

Return Route:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **13.80** HoursUnit cost: \$2.360 /LCY Total job cost: **\$39,896**

TRUCK/LOADER TEAM WORKTask description: **N. Cresson Mine Area - Topsoil - Lift 3 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0209 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0209
 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 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-ripper:	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 cost/hour: **\$2,891.83****MATERIAL QUANTITIES**

Initial volume: 27,467 CCY Swell factor: 1.215
 Loose volume: 33,372 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	3125.00	8.60	3.00	11.60	675	4.674

Haul Time: **4.674** minutes

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **25.05** HoursUnit cost: \$2.171 /LCY Total job cost: **\$72,441**

TRUCK/LOADER TEAM WORKTask description: **N. Cresson Mine Area - Topsoil - Lift 4 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0210 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0210
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 12,536 CCY Swell factor: 1.215
 Loose volume: 15,231 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	2000.00	8.50	3.00	11.50	675	3.006

Haul Time: **3.006** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2000.00	-8.50	3.00	-5.50	3450	0.623

Return Time: **0.623** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **11.43** HoursUnit cost: \$1.888 /LCY Total job cost: **\$28,750**

TRUCK/LOADER TEAM WORKTask description: **N. Cresson Mine Area - Topsoil - Lift 5 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0211 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0211
 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 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-ripper:	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 cost/hour: **\$2,137.53****MATERIAL QUANTITIES**

Initial volume: 1,436 CCY Swell factor: 1.215
 Loose volume: 1,745 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	750.00	9.30	3.00	12.30	675	1.169

Haul Time: **1.169** minutes

Return Route:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **1.31** HoursUnit cost: \$1.607 /LCY Total job cost: **\$2,804**

BULLDOZER WORKTask description: N. Cresson Mine Area -Topsoil - Lift1 - 5 - Dozer SpreadingSite: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244**PROJECT IDENTIFICATION**Task #: A0212 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0212
User: ERRAgency 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:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
Total Fleet Cost/Hour: \$207.78**MATERIAL QUANTITIES**Initial Volume: 59,113
Swell factor: 1.215
Loose volume: 71,822 LCYSource of estimated volume: 2022 CC&V Provided Estimate
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 370 feet
Unadjusted hourly production: 173.6 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: -30 %
Average site altitude: 9,500 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil

<u>Job Condition Correction Factor</u>		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 Mine Area - Topsoil - Lift 1-5 - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0213 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0213
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 73.28 acres Rip Depth (ft): 2.50 Volume: 295,563 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>245.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.723</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.723</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.60 Acres/hr
Adjusted Hourly Fleet Production: 0.60 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 122.12 Hours

Unit cost: \$370.348 Per acre Total job cost: \$27,139

TRUCK/LOADER TEAM WORKTask description: **N. Cresson Mine Area - Topsoil - GlobeHillHR - Transport**

Site: **Cresson Project** Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0214 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0214
 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 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-ripper:	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 cost/hour: **\$2,891.83****MATERIAL QUANTITIES**

Initial volume: 32,404 CCY Swell factor: 1.215
 Loose volume: **39,371** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	9380.00	-2.00	3.00	1.00	3503	3.207

Haul Time: **3.207** minutes

Return Route:

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** minutesTotal 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 411.91 LCY/Hour Adjusted for job efficiency: 341.89 LCY/Hour

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 COSTFleet size: 1 Team(s) Total job time: **29.55** HoursUnit cost: \$2.171 /LCY Total job cost: **\$85,462**

BULLDOZER WORKTask description: N. Cresson Mine Area -Topsoil - GlobeHillHR -Dozer Spreading

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0215 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0215
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: \$207.78

MATERIAL QUANTITIES

Initial Volume: 32,404
 Swell factor: 1.215
 Loose volume: 39,371 LCY

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 370 feet
 Unadjusted hourly production: 173.6 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil

<u>Job Condition Correction Factor</u>		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 - Topsoil - GlobeHillHR - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0216 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0216
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 40.17 acres Rip Depth (ft): 2.50 Volume: 162,019 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>300.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.734</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.734</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.61 Acres/hr
Adjusted Hourly Fleet Production: 0.61 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 65.93 Hours

Unit cost: \$364.754 Per acre Total job cost: \$14,652

BULLDOZER WORKTask description: **ECOSA Mine Area - 50 - 150 ft Lift - Mass Grading**Site: **Cresson Project**Permit Action: 2025 Update
M1980244

Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0300

State: Colorado

Abbreviation: None

Date: 6/29/2025

County: Teller

Filename: A0300

User: ERR

Agency or organization name: DRMS

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
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

Total unit Cost/Hour: \$492.91

Total Fleet Cost/Hour: **\$985.81****MATERIAL QUANTITIES**

Initial Volume: 1,304,578

Swell factor: 1.000

Loose volume: **1,304,578 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate

Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 200 feet

Unadjusted hourly production: 946.0 LCY/hr

Materials consistency description: Consolidated stockpile 1.0

Average push gradient: -10 %

Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCY

Weight description: Granite - Broken

Job Condition Correction Factor

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.000	(CAT HB)
Dozing 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 WORKTask description: **ECOSA Mine Area - 50 - 150 ft Lift - Fine Grading**Site: **Cresson Project**Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: A0301State: ColoradoAbbreviation: NoneDate: 6/29/2025County: TellerFilename: A0301User: ERRAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D7R DS Series II LGPHorsepower: 240Blade Type: StraightAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78Total Fleet Cost/Hour: **\$207.78****MATERIAL QUANTITIES**Initial Volume: 256,064Swell factor: 1.000Loose volume: **256,064 LCY**Source of estimated volume: 2022 CC&V Provided EstimateSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 145 feetUnadjusted hourly production: 381.4 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: -30 %Average site altitude: 9,500 feetMaterial weight: 2,800 lbs/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.000</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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**

TRUCK/LOADER TEAM WORKTask description: **ECOSA Mine Area - Topsoil - Lift 1 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0302 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0302
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 59,734 CCY Swell factor: 1.215
 Loose volume: 72,577 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	3214.00	0.00	3.00	3.00	2409	1.770

Haul Time: **1.770** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3214.00	0.00	3.00	3.00	3503	1.189

Return Time: **1.189** minutesTotal Truck Cycle Time: **6.791** minutes

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

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 COSTFleet size: 1 Team(s) Total job time: **54.48** HoursUnit cost: \$1.888 /LCY Total job cost: **\$136,995**

TRUCK/LOADER TEAM WORKTask description: **ECOSA Mine Area - Topsoil - Lift 2 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0303 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0303
 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 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-ripper:	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 cost/hour: **\$2,137.53****MATERIAL QUANTITIES**

Initial volume: 51,030 CCY Swell factor: 1.215
 Loose volume: **62,001** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
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:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	-5.20	3.00	-2.20	3450	1.042

Haul Time: **1.042** minutes

Return Route:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **57.80** HoursUnit cost: \$1.993 /LCY Total job cost: **\$123,548**

TRUCK/LOADER TEAM WORKTask description: ECOSA Mine Area - Topsoil - Lift 3 - Transport

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0304 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0304
 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 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-ripper:	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 cost/hour: \$2,514.68**MATERIAL QUANTITIES**

Initial volume: 54,071 CCY Swell factor: 1.215
 Loose volume: 65,696 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	3698.00	-8.90	3.00	-5.90	1870	2.136

Haul Time: 2.136 minutes

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 minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: 52.28 HoursUnit cost: \$2.001 /LCY Total job cost: \$131,480

TRUCK/LOADER TEAM WORKTask description: ECOSA Mine Area - Topsoil - Lift 4 - Transport

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0305 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0305
 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 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-ripper:	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 cost/hour: **\$2,891.83****MATERIAL QUANTITIES**

Initial volume: 43,302 CCY Swell factor: 1.215
 Loose volume: **52,612** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	-9.20	3.00	-6.20	1870	2.765

Haul Time: **2.765** minutes

Return Route:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **39.49** HoursUnit cost: \$2.171 /LCY Total job cost: **\$114,204**

TRUCK/LOADER TEAM WORKTask description: ECOSA Mine Area - Topsoil - Lift 5 - Transport

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0306 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0306
 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 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-ripper:	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 cost/hour: \$3,268.98**MATERIAL QUANTITIES**

Initial volume: 53,926 CCY Swell factor: 1.215
 Loose volume: 65,520 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	6407.00	-9.60	3.00	-6.60	1411	4.780

Haul Time: **4.780** minutes

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** minutesTotal 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**

TRUCK/LOADER TEAM WORKTask description: **ECOSA Mine Area - Topsoil - Lift 6 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0307 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0307
 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 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-ripper:	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:	6	1	1	0	1	1
Group Subtotals:	Work: \$2,800.81		Support: \$492.91		Maint: \$352.41	

Total work team cost/hour: **\$3,646.13****MATERIAL QUANTITIES**

Initial volume: 20,957 CCY Swell factor: 1.215
 Loose volume: 25,463 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	9080.00	-8.90	3.00	-5.90	1870	5.111

Haul Time: 5.111 minutes

Return 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 minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: 19.11 HoursUnit cost: \$2.737 /LCY Total job cost: \$69,688

BULLDOZER WORKTask description: **ECOSA Mine Area -Topsoil - Lift1 - 6 - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0308 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0308
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 283,020
 Swell factor: 1.215
 Loose volume: **343,869 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 220 feet
 Unadjusted hourly production: 266.4 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 Area - Topsoil - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0309 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0309
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 350.85 acres Rip Depth (ft): 2.50 Volume: 1,415,095 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>501.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.755</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.755</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.63 Acres/hr
Adjusted Hourly Fleet Production: 0.63 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 560.08 Hours

Unit cost: \$354.756 Per acre Total job cost: \$124,466

BULLDOZER WORKTask description: **E. Cresson Mine Area - Pile Leveling - Mass Grading**Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: A0400 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0400
User: ERRAgency or organization name: DRMS**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:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91
Total Fleet Cost/Hour: **\$985.81****MATERIAL QUANTITIES**Initial Volume: 473
Swell factor: 1.000
Loose volume: **473 LCY**Source of estimated volume: 2022 CC&V Provided Estimate
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feet
Unadjusted hourly production: 2,748.7 LCY/hrMaterials consistency description: Rock, poorly ripped or blasted 0.6Average push gradient: -10 %
Average site altitude: 9,500 feetMaterial weight: 2,800 lbs/LCYWeight description: Granite - Broken

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>0.600</u>	<u>(CAT HB)</u>
Dozing method: <u>1.200</u>	<u>(S-BY-S)</u>

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 WORKTask description: **E. Cresson Mine Area - Pile Leveling - Fine Grading**Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: A0401 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0401
User: ERRAgency 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:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
Total Fleet Cost/Hour: **\$207.78****MATERIAL QUANTITIES**Initial Volume: 53
Swell factor: 1.000
Loose volume: **53 LCY**Source of estimated volume: 2022 CC&V Provided Estimate
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feet
Unadjusted hourly production: 800.0 LCY/hrMaterials consistency description: Rock, poorly ripped or blasted 0.6Average push gradient: -10 %
Average site altitude: 9,500 feetMaterial weight: 2,800 lbs/LCYWeight description: Granite - Broken

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>0.600</u>	<u>(CAT HB)</u>
Dozing method: <u>1.000</u>	<u>(GEN.)</u>

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 WORKTask description: **E. Cresson Mine Area - 40 - 400 ft Lift - Mass Grading**Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: A0402 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0402
User: ERRAgency or organization name: DRMS**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:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91
Total Fleet Cost/Hour: **\$985.81****MATERIAL QUANTITIES**Initial Volume: 3,262,245
Swell factor: 1.000
Loose volume: **3,262,245 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: 904.4 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: -10 %
Average site altitude: 9,500 feetMaterial weight: 2,800 lbs/LCYWeight description: Granite - Broken

<u>Job Condition Correction Factor</u>		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.200</u>	<u>(S-BY-S)</u>

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 WORKTask description: **E. Cresson Mine Area - 40 - 400 ft Lift - Fine Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0403 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0403
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 287,794
 Swell factor: 1.000
 Loose volume: **287,794 LCY**

Source of estimated volume: 2022 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/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.000</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 WORKTask description: **E. Cresson Mine Area - Topsoil - Lift 2 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0404 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0404
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 10,228 CCY Swell factor: 1.215
 Loose volume: 12,427 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

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: _____

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:	Material 1/8" to 3/4" diameter -0.02	-0.020	(Cat HB)
Stockpile:	Dumped by truck 0.02	0.020	(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:		-0.080	minutes
Adjusted Loader Cycle Time:		0.545	minutes
Net Load Time per Truck:		1.735	minutes

Truck Cycle Time:

Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes
 Truck Load Time: 1.735 Minutes Adjusted for site altitude: 1.770 Minutes
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **9.11** HoursUnit cost: \$1.844 /LCY Total job cost: **\$22,911**

TRUCK/LOADER TEAM WORKTask description: **E. Cresson Mine Area - Topsoil - Lift 3 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0405 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0405
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 8,575 CCY Swell factor: 1.215
 Loose volume: 10,419 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

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: _____

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:	Material 1/8" to 3/4" diameter -0.02	-0.020	(Cat HB)
Stockpile:	Dumped by truck 0.02	0.020	(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:		-0.080	minutes
Adjusted Loader Cycle Time:		0.545	minutes
Net Load Time per Truck:		1.735	minutes

Truck Cycle Time:

Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes
 Truck Load Time: 1.735 Minutes Adjusted for site altitude: 1.770 Minutes
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	3698.00	-0.10	3.00	2.90	2409	1.950

Haul Time: **1.950** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3698.00	0.10	3.00	3.10	3503	1.333

Return Time: **1.333** minutesTotal Truck Cycle Time: **7.053** minutes

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 WORKTask description: **E. Cresson Mine Area - Topsoil - Lift 4 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0406 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0406
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 50,320 CCY Swell factor: 1.215
 Loose volume: 61,139 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

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: _____

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)
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:

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
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **46.30** HoursUnit cost: \$1.904 /LCY Total job cost: **\$116,439**

TRUCK/LOADER TEAM WORKTask description: **E. Cresson Mine Area - Topsoil - Lift 5 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0407 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0407
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 90,226 CCY Swell factor: 1.215
 Loose volume: 109,625 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	6407.00	-0.10	3.00	2.90	2409	3.075

Haul Time: **3.075** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	6407.00	0.10	3.00	3.10	3503	2.106

Return Time: **2.106** minutesTotal Truck Cycle Time: **9.013** minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour
Truck Unit Production 468.68 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 COSTFleet size: 1 Team(s) Total job time: **93.94** HoursUnit cost: \$2.155 /LCY Total job cost: **\$236,221**

TRUCK/LOADER TEAM WORKTask description: **E. Cresson Mine Area - Topsoil - Lift 6 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0408 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0408
 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 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-ripper:	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 cost/hour: **\$2,891.83****MATERIAL QUANTITIES**

Initial volume: 90,330 CCY Swell factor: 1.215
 Loose volume: **109,751** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

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: _____

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)
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:

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
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	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** minutesTotal Truck Cycle Time: **10.885** minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour
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: **1,288.39** LCY/Hour

JOB TIME AND COSTFleet size: 1 Team(s) Total job time: **85.18** HoursUnit cost: \$2.245 /LCY Total job cost: **\$246,339**

BULLDOZER WORKTask description: **E. Cresson Mine Area -Topsoil - Lift 2 - 6 - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0409 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0409
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 249,679
 Swell factor: 1.215
 Loose volume: **303,360 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 220 feet
 Unadjusted hourly production: 266.4 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil

<u>Job Condition Correction Factor</u>		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0410 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0410
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 309.52 acres Rip Depth (ft): 2.50 Volume: 1,248,397 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>538.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.757</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.757</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.63 Acres/hr
Adjusted Hourly Fleet Production: 0.63 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 492.67 Hours

Unit cost: \$353.729 Per acre Total job cost: \$109,486

TRUCK/LOADER TEAM WORKTask description: **E. Cresson Mine Area - Topsoil - WHEX - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0411 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0411
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 161,059 CCY Swell factor: 1.215
 Loose volume: 195,687 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

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: _____

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)
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:

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
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	1506.00	-8.60	3.00	-5.60	1870	0.959

Haul Time: **0.959** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1506.00	8.60	3.00	11.60	1628	1.048

Return Time: **1.048** minutesTotal Truck Cycle Time: **5.839** minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour
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 WORKTask description: **E. Cresson Mine Area -Topsoil - WHEX - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0412 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0412
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 161,059
 Swell factor: 1.215
 Loose volume: **195,687 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 220 feet
 Unadjusted hourly production: 266.4 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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. Cresson Mine Area - Topsoil - WHEX - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0413 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0413
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 199.66 acres Rip Depth (ft): 2.50 Volume: 805,295 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>300.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.734</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.734</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.61 Acres/hr
Adjusted Hourly Fleet Production: 0.61 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 327.71 Hours

Unit cost: \$364.754 Per acre Total job cost: \$72,827

TRUCK/LOADER TEAM WORKTask description: **E. Cresson Mine Area - Topsoil - Ironclad - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0414 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0414
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 12,043 CCY Swell factor: 1.215
 Loose volume: **14,632** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	LCY

Job Condition Corrections:

Site Altitude (ft.): 9500 feet

	Truck	Loader	Source
Altitude Adj:	<u>1.000</u>	<u>0.980</u>	(CAT HB)
Job Efficiency:	<u>0.830</u>	<u>0.830</u>	(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: _____

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	<u>0.020</u>	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	<u>0.000</u>	(Cat HB)
Truck Ownership:	Common ownership of trucks and loaders -0.04	<u>-0.040</u>	(Cat HB)
Operation:	Constant operation -0.04	<u>-0.040</u>	(Cat HB)
Dump Target:	Nominal target 0.00	<u>0.000</u>	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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:

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 minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: 11.74 HoursUnit cost: \$2.018 /LCY Total job cost: \$29,532

BULLDOZER WORKTask description: **E. Cresson Mine Area -Topsoil - Ironclad - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0415 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0415
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 12,043
 Swell factor: 1.215
 Loose volume: **14,632 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 220 feet
 Unadjusted hourly production: 266.4 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 - Topsoil - Ironclad - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0416 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0416
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 14.93 acres Rip Depth (ft): 2.50 Volume: 60,218 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>300.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.734</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.734</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.61 Acres/hr
Adjusted Hourly Fleet Production: 0.61 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 24.51 Hours

Unit cost: \$364.754 Per acre Total job cost: \$5,446

BULLDOZER WORKTask description: **E. Cresson Mine Area - 100 ft Lift - Mass Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0417 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0417
 User: ERR

Agency or organization name: DRMS**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:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91
 Total Fleet Cost/Hour: **\$985.81**

MATERIAL QUANTITIES

Initial Volume: 672,099
 Swell factor: 1.000
 Loose volume: **672,099 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 105 feet
 Unadjusted hourly production: 1,665.1 LCY/hr

Materials consistency description: Consolidated stockpile 1.0

Average push gradient: -20 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.000</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.200</u>	<u>(S-BY-S)</u>

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**

BULLDOZER WORKTask description: **E. Cresson Mine Area - 100 ft Lift - Fine Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0418 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0418
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 74,678
 Swell factor: 1.000
 Loose volume: **74,678 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 105 feet
 Unadjusted hourly production: 482.9 LCY/hr

Materials consistency description: Consolidated stockpile 1.0

Average push gradient: -20 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.000</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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**

BULLDOZER WORKTask description: **M. Cresson Mine Area - Pile Leveling - Mass Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0500 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0500
 User: ERR

Agency or organization name: DRMS**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:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91
 Total Fleet Cost/Hour: **\$985.81**

MATERIAL QUANTITIES

Initial Volume: 116,523
 Swell factor: 1.000
 Loose volume: **116,523 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: 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/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.200</u>	<u>(S-BY-S)</u>

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**

BULLDOZER WORKTask description: **M. Cresson Mine Area - Pile Leveling - Fine Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0501 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0501
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 12,947
 Swell factor: 1.000
 Loose volume: **12,947 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
 Unadjusted hourly production: 800.0 LCY/hr

Materials consistency description: Rock, poorly ripped or blasted 0.6

Average push gradient: -10 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>0.600</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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**

BULLDOZER WORKTask description: **M. Cresson Mine Area - 50 - 650 ft Lift - Mass Grading**

Site: **Cresson Project** Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0502 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0502
 User: ERR

Agency or organization name: DRMS**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:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91
 Total Fleet Cost/Hour: **\$985.81**

MATERIAL QUANTITIES

Initial Volume: 1,958,360
 Swell factor: 1.000
 Loose volume: **1,958,360 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 650 feet
 Unadjusted hourly production: 350.0 LCY/hr

Materials consistency description: Consolidated stockpile 1.0

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken

<u>Job Condition Correction Factor</u>		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.000</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.200</u>	<u>(S-BY-S)</u>

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**

BULLDOZER WORKTask description: M. Cresson Mine Area - 50 - 650 ft Lift - Fine GradingSite: Cresson Project Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: A0503 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0503
User: ERRAgency 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:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

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 LCYSource of estimated volume: 2022 CC&V Provided Estimate
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 400 feet
Unadjusted hourly production: 180.4 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: -30 %
Average site altitude: 9,500 feetMaterial weight: 2,800 lbs/LCYWeight description: Granite - Broken

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>1.000</u>	<u>(CAT HB)</u>
Dozing method: <u>1.000</u>	<u>(GEN.)</u>

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 WORKTask description: **M. Cresson Mine Area - Topsoil -10185 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0504 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0504
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 67,115 CCY 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
 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

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

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	2595.00	-1.80	3.00	1.20	3503	0.939

Return Time: **0.939** minutesTotal Truck Cycle Time: **6.636** minutes

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

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

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 COSTFleet size: 1 Team(s) Total job time: **61.21** HoursUnit cost: \$1.888 /LCY Total job cost: **\$153,922**

BULLDOZER WORKTask description: **M. Cresson Mine Area -Topsoil - 10185 - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0505 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0505
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

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: 2022 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: Loose stockpile 1.2

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil

<u>Job Condition Correction Factor</u>		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 Mine Area - Topsoil - 10185 - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0506 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0506
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 83.20 acres Rip Depth (ft): 2.50 Volume: 335,573 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>400.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.747</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.747</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.62 Acres/hr
Adjusted Hourly Fleet Production: 0.62 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 134.23 Hours

Unit cost: \$358,524 Per acre Total job cost: \$29,829

TRUCK/LOADER TEAM WORKTask description: **M. Cresson Mine Area - Topsoil - Ruby Rd - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0507 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0507
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 81,481 CCY Swell factor: 1.215
 Loose volume: 98,999 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	5001.00	-3.00	3.00	0.00	3503	1.806

Haul Time: **1.806** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	5001.00	3.00	3.00	6.00	2853	2.048

Return Time: **2.048** minutesTotal Truck Cycle Time: **7.686** minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour
Truck Unit Production 549.60 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**

BULLDOZER WORKTask description: M. Cresson Mine Area -Topsoil - Ruby Rd - Dozer SpreadingSite: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244**PROJECT IDENTIFICATION**Task #: A0508 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0508
User: ERRAgency 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:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
Total Fleet Cost/Hour: \$207.78**MATERIAL QUANTITIES**Initial Volume: 81,481
Swell factor: 1.215
Loose volume: 98,999 LCYSource of estimated volume: 2022 CC&V Provided Estimate
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 220 feet
Unadjusted hourly production: 266.4 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: -30 %
Average site altitude: 9,500 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil

<u>Job Condition Correction Factor</u>		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0509 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0509
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 73.30 acres Rip Depth (ft): 2.50 Volume: 295,643 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>300.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.734</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.734</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.61 Acres/hr
Adjusted Hourly Fleet Production: 0.61 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 120.31 Hours

Unit cost: \$364.754 Per acre Total job cost: \$26,736

TRUCK/LOADER TEAM WORKTask description: **M. Cresson Mine Area - Topsoil - AJAX - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0510 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0510
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 48,892 CCY Swell factor: 1.215
 Loose volume: **59,404** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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

Haul Time: **2.654** minutes

Return Route:

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** minutesTotal 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**

BULLDOZER WORKTask description: **M. Cresson Mine Area -Topsoil - AJAX - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0511 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0511
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 48,892
 Swell factor: 1.215
 Loose volume: **59,404 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
 Unadjusted hourly production: 800.0 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil

<u>Job Condition Correction Factor</u>		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 Area - Topsoil - AJAX - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0512 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0512
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 33.31 acres Rip Depth (ft): 2.50 Volume: 134,350 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>100.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.646</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.646</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.54 Acres/hr
Adjusted Hourly Fleet Production: 0.54 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 62.14 Hours

Unit cost: \$414.596 Per acre Total job cost: \$13,810

TRUCK/LOADER TEAM WORKTask description: **M. Cresson Mine Area - Topsoil - Crusher - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0513 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0513
 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 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-ripper:	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 cost/hour: **\$2,137.53****MATERIAL QUANTITIES**

Initial volume: 48,892 CCY Swell factor: 1.215
 Loose volume: **59,404** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1308.00	-3.70	3.00	-0.70	3503	0.428

Return Time: **0.428** minutesTotal Truck Cycle Time: **5.506** minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour
Truck Unit Production 767.21 LCY/Hour Adjusted for job efficiency: 636.79 LCY/Hour

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

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 COSTFleet size: 1 Team(s) Total job time: **46.64** HoursUnit cost: \$1.678 /LCY Total job cost: **\$99,701**

BULLDOZER WORKTask description: **M. Cresson Mine Area -Topsoil - Crusher - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0514 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0514
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 48,892
 Swell factor: 1.215
 Loose volume: **59,404 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 75 feet
 Unadjusted hourly production: 594.6 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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: M. Cresson Mine Area - Topsoil - Crusher - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0515 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0515
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 60.61 acres Rip Depth (ft): 2.50 Volume: 244,460 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>100.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.646</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.646</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.54 Acres/hr
Adjusted Hourly Fleet Production: 0.54 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 113.08 Hours

Unit cost: \$414.596 Per acre Total job cost: \$25,129

TRUCK/LOADER TEAM WORKTask description: **M. Cresson Mine Area - Topsoil - Pit Bottom - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0516 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0516
 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 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-ripper:	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:	8	1	1	0	1	1
Group Subtotals:	Work:	\$3,555.11	Support:	\$492.91	Maint:	\$352.41

Total work team cost/hour: **\$4,400.43****MATERIAL QUANTITIES**

Initial volume: 55,725 CCY Swell factor: 1.215
 Loose volume: 67,706 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

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: _____

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)
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:

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
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	11669.00	-6.60	3.00	-3.60	3450	3.487

Return Time: **3.487** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **53.23** HoursUnit cost: \$3.460 /LCY Total job cost: **\$234,245**

BULLDOZER WORKTask description: **M. Cresson Mine Area -Topsoil - Pit Bottom - Dozer Spreading**Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: A0517 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0517
User: ERRAgency 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:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
Total Fleet Cost/Hour: **\$207.78****MATERIAL QUANTITIES**Initial Volume: 55,725
Swell factor: 1.215
Loose volume: **67,706 LCY**Source of estimated volume: 2022 CC&V Provided Estimate
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 70 feet
Unadjusted hourly production: 613.3 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: -10 %
Average site altitude: 9,500 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>1.200</u>	<u>(CAT HB)</u>
Dozing method: <u>1.000</u>	<u>(GEN.)</u>

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

Task description: M. Cresson Mine Area - Topsoil - Pit Bottom - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0518 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0518
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 69.10 acres Rip Depth (ft): 2.50 Volume: 278,703 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>300.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.734</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.734</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.61 Acres/hr
Adjusted Hourly Fleet Production: 0.61 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 113.42 Hours

Unit cost: \$364.754 Per acre Total job cost: \$25,204

TRUCK/LOADER TEAM WORKTask description: **M. Cresson Mine Area - Topsoil - S. Cresson HR - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0519 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0519
 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 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-ripper:	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 cost/hour: **\$2,891.83****MATERIAL QUANTITIES**

Initial volume: 24,265 CCY Swell factor: 1.215
 Loose volume: 29,482 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	3917.00	9.30	3.00	12.30	675	5.861

Haul Time: **5.861** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3917.00	-9.30	3.00	-6.30	3450	1.170

Return Time: **1.170** minutesTotal Truck Cycle Time: **10.863** minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour
Truck Unit Production 388.86 LCY/Hour Adjusted for job efficiency: 322.75 LCY/Hour

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 COSTFleet size: 1 Team(s) Total job time: **22.84** HoursUnit cost: \$2.240 /LCY Total job cost: **\$66,039**

BULLDOZER WORKTask description: M. Cresson Mine Area -Topsoil - S. CressHR - Dozer SpreadingSite: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244**PROJECT IDENTIFICATION**Task #: A0520 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0520
User: ERRAgency 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:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
Total Fleet Cost/Hour: \$207.78**MATERIAL QUANTITIES**Initial Volume: 24,265
Swell factor: 1.215
Loose volume: 29,482 LCYSource of estimated volume: 2022 CC&V Provided Estimate
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 65 feet
Unadjusted hourly production: 650.0 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: -30 %
Average site altitude: 9,500 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>1.200</u>	<u>(CAT HB)</u>
Dozing method: <u>1.000</u>	<u>(GEN.)</u>

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 - Topsoil - S. Cresson HR - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0521 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0521
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 30.10 acres Rip Depth (ft): 2.50 Volume: 121,403 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/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
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.734 acres/hour

Job Condition Correction Factors

Unadjusted 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: 0.61 Acres/hr
Adjusted Hourly Fleet Production: 0.61 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 49.40 Hours

Unit cost: \$364.754 Per acre Total job cost: \$10,979

TRUCK/LOADER TEAM WORKTask description: **M. Cresson Mine Area - Topsoil - Cresson HR - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0522 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0522
 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 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-ripper:	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:	7	1	1	0	1	1
Group Subtotals:	Work: \$3,177.96		Support: \$492.91		Maint: \$352.41	

Total work team cost/hour: **\$4,023.28****MATERIAL QUANTITIES**

Initial volume: 24,265 CCY Swell factor: 1.215
 Loose volume: 29,482 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

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: _____

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)
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:

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
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	9024.00	-7.40	3.00	-4.40	3450	2.697

Return Time: **2.697** minutesTotal 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**

BULLDOZER WORKTask description: **M. Cresson Mine Area -Topsoil - Cresson HR - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0523 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0523
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 24,265
 Swell factor: 1.215
 Loose volume: **29,482 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 65 feet
 Unadjusted hourly production: 650.0 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil

<u>Job Condition Correction Factor</u>		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 - Topsoil - Cresson HR - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0524 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0524
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 30.10 acres Rip Depth (ft): 2.50 Volume: 121,403 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/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
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.734 acres/hour

Job Condition Correction Factors

Unadjusted 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: 0.61 Acres/hr
Adjusted Hourly Fleet Production: 0.61 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 49.40 Hours

Unit cost: \$364.754 Per acre Total job cost: \$10,979

BULLDOZER WORKTask description: **Crusher Mine Area - Pile Leveling - Mass Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0600 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0600
 User: ERR

Agency or organization name: DRMS**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:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91
 Total Fleet Cost/Hour: **\$985.81**

MATERIAL QUANTITIES

Initial Volume: 75,737
 Swell factor: 1.000
 Loose volume: **75,737 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 165 feet
 Unadjusted hourly production: 1,141.9 LCY/hr

Materials consistency description: Rock, poorly ripped or blasted 0.6

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>0.600</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.200</u>	<u>(S-BY-S)</u>

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**

BULLDOZER WORKTask description: **Crusher Mine Area - Pile Leveling - Fine Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0601 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0601
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 8,415
 Swell factor: 1.000
 Loose volume: **8,415 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 165 feet
 Unadjusted hourly production: 343.9 LCY/hr

Materials consistency description: Rock, poorly ripped or blasted 0.6

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>0.600</u>	<u>(CAT HB)</u>
Dozing method: <u>1.000</u>	<u>(GEN.)</u>

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 WORKTask description: **Crusher Mine Area - Topsoil - Transport**

Site: **Cresson Project** Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0602 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0602
 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 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-ripper:	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 cost/hour: **\$2,891.83****MATERIAL QUANTITIES**

Initial volume: 34,759 CCY Swell factor: 1.215
 Loose volume: **42,232** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
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:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	5332.00	4.50	3.00	7.50	985	5.490

Haul Time: **5.490** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	5332.00	-4.50	3.00	-1.50	3503	1.569

Return Time: **1.569** minutesTotal Truck Cycle Time: **10.891** minutes

Loading Tool unit

Production 1,605.09 LCY/Hour Adjusted for job efficiency: 1,332.22 LCY/Hour
Truck Unit Production 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 COSTFleet size: 1 Team(s) Total job time: **32.80** HoursUnit cost: \$2.246 /LCY Total job cost: **\$94,843**

BULLDOZER WORKTask description: **Crusher Mine Area -Topsoil - Dozer Spreading**Site: **Cresson Project**Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: A0603State: ColoradoAbbreviation: NoneDate: 6/29/2025County: TellerFilename: A0603User: ERRAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D7R DS Series II LGPHorsepower: 240Blade Type: StraightAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78Total Fleet Cost/Hour: **\$207.78****MATERIAL QUANTITIES**Initial Volume: 34,759Swell factor: 1.215Loose volume: **42,232 LCY**Source of estimated volume: 2022 CC&V Provided EstimateSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 800.0 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: -30 %Average site altitude: 9,500 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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

Task description: Crusher Mine Area - Topsoil - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0604 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0604
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 43.09 acres Rip Depth (ft): 2.50 Volume: 173,796 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 2.45 feet/pass
Average Ripping Width: 6.50 feet/pass
Average Ripping Length: 100.00 feet/pass
Average Dozer Speed: 88.00 feet/minute
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.646 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.646 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: 0.54 Acres/hr
Adjusted Hourly Fleet Production: 0.54 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 80.39 Hours

Unit cost: \$414.596 Per acre Total job cost: \$17,865

BULLDOZER WORKTask description: Crusher Mine Area - Delivery Rd - Mass Grading

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0605 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0605
 User: ERR

Agency or organization name: DRMS**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:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91
 Total Fleet Cost/Hour: \$985.81

MATERIAL QUANTITIES

Initial Volume: 8,867
 Swell factor: 1.000
 Loose volume: 8,867 LCY

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 165 feet
 Unadjusted hourly production: 1,141.9 LCY/hr

Materials consistency description: Rock, poorly ripped or blasted 0.6

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken

<u>Job Condition Correction Factor</u>	<u>Source</u>
Operator Skill: <u>0.750</u>	<u>(AVG.)</u>
Material consistency: <u>0.600</u>	<u>(CAT HB)</u>
Dozing method: <u>1.200</u>	<u>(S-BY-S)</u>

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**

BULLDOZER WORKTask description: **Crusher Mine Area - Delivery Rd - Fine Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0606 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0606
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 985
 Swell factor: 1.000
 Loose volume: **985 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 165 feet
 Unadjusted hourly production: 343.9 LCY/hr

Materials consistency description: Rock, poorly ripped or blasted 0.6

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>0.600</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 WORKTask description: **Crusher Mine Area - Topsoil - Delivery Rd - Transport**

Site: **Cresson Project** Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0607 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0607
 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 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-ripper:	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 cost/hour: **\$2,137.53****MATERIAL QUANTITIES**

Initial volume: 8,244 CCY Swell factor: 1.215
 Loose volume: **10,016** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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:

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** minutesTotal Truck Cycle Time: **4.439** minutes

Loading Tool unit

Production	<u>1,605.09</u>	LCY/Hour	Adjusted for job efficiency:	<u>1,332.22</u>	LCY/Hour
Truck Unit Production	<u>951.64</u>	LCY/Hour	Adjusted for job efficiency:	<u>789.86</u>	LCY/Hour

Optimal No. of Trucks:	<u>2</u>	Truck(s)	Selected Number of Trucks:	<u>2</u>	Truck(s)
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Adjusted hourly truck team production:	<u>1,579.73</u>	LCY/Hour
Adjusted single truck/loader team production:	<u>1,332.22</u>	LCY/Hour
Adjusted multiple truck/loader team production:	<u>1,332.22</u>	LCY/Hour

JOB TIME AND COST

Fleet size:	<u>1</u>	Team(s)	Total job time:	<u>7.52</u>	Hours
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Unit cost:	<u>\$1.604</u>	/LCY	Total job cost:	<u>\$16,071</u>
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BULLDOZER WORKTask description: **Crusher Mine Area -Topsoil - Delivery Road - Dozer Spreading**Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: A0608 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0608
User: ERRAgency 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:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
Total Fleet Cost/Hour: **\$207.78****MATERIAL QUANTITIES**Initial Volume: 8,244
Swell factor: 1.215
Loose volume: **10,016 LCY**Source of estimated volume: 2022 CC&V Provided Estimate
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feet
Unadjusted hourly production: 800.0 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: -30 %
Average site altitude: 9,500 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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

Task description: Crusher Mine Area - Topsoi - Delivery Rd - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0609 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0609
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 10.22 acres Rip Depth (ft): 2.50 Volume: 41,221 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/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
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.734 acres/hour

Job Condition Correction Factors

Unadjusted 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: 0.61 Acres/hr
Adjusted Hourly Fleet Production: 0.61 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 16.77 Hours

Unit cost: \$364.754 Per acre Total job cost: \$3,728

TRUCK/LOADER TEAM WORKTask description: Chicago Mine Area - Topsoil - Transport

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0700 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0700
 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 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-ripper:	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 cost/hour: \$2,137.53**MATERIAL QUANTITIES**

Initial volume: 3,228 CCY Swell factor: 1.215
 Loose volume: 3,922 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	LCY

Job Condition Corrections:

Site Altitude (ft.): 9500 feet

	Truck	Loader	Source
Altitude Adj:	<u>1.000</u>	<u>0.980</u>	(CAT HB)
Job Efficiency:	<u>0.830</u>	<u>0.830</u>	(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: _____

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	<u>0.020</u>	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	<u>0.000</u>	(Cat HB)
Truck Ownership:	Common ownership of trucks and loaders -0.04	<u>-0.040</u>	(Cat HB)
Operation:	Constant operation -0.04	<u>-0.040</u>	(Cat HB)
Dump Target:	Nominal target 0.00	<u>0.000</u>	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **2.94** HoursUnit cost: \$1.604 /LCY Total job cost: **\$6,293**

BULLDOZER WORKTask description: **Chicago Mine Area -Topsoil - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0701 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0701
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 3,228
 Swell factor: 1.215
 Loose volume: **3,922 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 55 feet
 Unadjusted hourly production: 800.0 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 Area - Topsoil - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0702 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0702
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 4.10 acres Rip Depth (ft): 2.50 Volume: 16,537 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>150.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.687</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.687</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.57 Acres/hr
Adjusted Hourly Fleet Production: 0.57 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 7.19 Hours

Unit cost: \$389.675 Per acre Total job cost: \$1,598

TRUCK/LOADER TEAM WORKTask description: **TR133 WHEX Clay Borrow Area - Topsoil - Transport**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0703 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0703
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

Equipment Description	
Truck Loader Team -Truck:	Cat 740
-Loader:	CAT 988H
Support Equipment -Load Area:	Cat D8T - 8SU
-Dump Area:	NA
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader Team		Support Equipment		Maintenance Equipment	
	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	\$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:	\$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 cost/hour: **\$1,581.35****MATERIAL QUANTITIES**

Initial volume: 3,807 CCY Swell factor: 1.215
 Loose volume: **4,626** LCY

Source of estimated volume: TR133
 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: 87,000 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

Final Truck Volume Based on Number of Loader Passes: 30.36 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>9.200</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>10.120</u>	LCY

Job Condition Corrections:

Site Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes

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): 0.575 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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.515</u>	minutes
Net Load Time per Truck:		<u>1.130</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.60</u>	Minutes	Adjusted for site altitude:	<u>0.732</u>	Minutes
Truck Load Time:	<u>1.130</u>	Minutes	Adjusted for site altitude:	<u>1.189</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.00</u>	Minutes	Adjusted for site altitude:	<u>1.220</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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

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 minutesTotal 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 WHEX Clay Borrow Area - Topsoil - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0704 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0704
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 4.70 acres Rip Depth (ft): 2.50 Volume: 18,957 BCY or CCY

Source of estimated quantity: TR133

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/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: 0.25 minutes/pass
Production per unit area: 0.723 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.723 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: 0.60 Acres/hr
Adjusted Hourly Fleet Production: 0.60 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 7.83 Hours

Unit cost: \$370.348 Per acre Total job cost: \$1,741

BULLDOZER WORKTask description: **TR133 WHEX Clay Borrow Area - Topsoil - Dozer Spreading**Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244**PROJECT IDENTIFICATION**

Task #: A0705 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: 2025 Update
M1980244
User: ERR
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:

		<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
Total unit Cost/Hour:	\$207.78	
Total Fleet Cost/Hour:	\$207.78	

MATERIAL QUANTITIES

Initial Volume: 3,807
Swell factor: 1.215
Loose volume: **4,626 LCY**

Source of estimated volume: TR133
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 200 feet
Unadjusted hourly production: 289.3 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

		<u>Source</u>
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: **11.62 Hours**

Total job cost: **\$2,415**

BULLDOZER WORKTask description: **TR137 WHEX Clay Borrow Area Expansion - Fine Grading EMP18**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0706 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0706
 User: ERR

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:

		<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

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 1,870
 Swell factor: 1.000
 Loose volume: **1,870 LCY**

Source of estimated volume: TR137
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 100 feet
 Unadjusted hourly production: 496.4 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

		<u>Source</u>
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: 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 WORKTask description: **TR137 WHEX Clay Borrow Area Expansion - Topsoil - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0707 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0707
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 740
-Loader:	CAT 988H
Support Equipment -Load Area:	Cat D8T - 8SU
-Dump Area:	NA
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader Team		Support Equipment		Maintenance Equipment	
	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-ripper:	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:	\$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 cost/hour: **\$1,581.35****MATERIAL QUANTITIES**

Initial volume: 6,575 CCY Swell factor: 1.215
 Loose volume: 7,989 LCY

Source of estimated volume: TR137
 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: 87,000 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

Final Truck Volume Based on Number of Loader Passes: 30.36 LCY**Loading Tool Capacity**Bucket Size Class: NA

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 Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes**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: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.575 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)
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:		0.515	minutes
Net Load Time per Truck:		1.130	minutes

Truck Cycle Time:

Truck Exchange Time: 0.60 Minutes Adjusted for site altitude: 0.732 Minutes
 Truck Load Time: 1.130 Minutes Adjusted for site altitude: 1.189 Minutes
 Truck Maneuver and Dump Time: 1.00 Minutes Adjusted for site altitude: 1.220 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **10.50** HoursUnit cost: \$2.079 /LCY Total job cost: **\$16,610**

BULLDOZER RIPPING WORK

Task description: TR137 WHEX Clay Borrow Area Expansion - Topsoil - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0708 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0708
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 8.20 acres Rip Depth (ft): 2.50 Volume: 33,073 BCY or CCY

Source of estimated quantity: TR137

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>245.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.723</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.723</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.60 Acres/hr
Adjusted Hourly Fleet Production: 0.60 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 13.67 Hours

Unit cost: \$370.348 Per acre Total job cost: \$3,037

BULLDOZER WORKTask description: **TR137 WHEX Clay Borrow Area Expansion - Topsoil - DZR Spread**Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: A0709 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A0709
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COSTBasic 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	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: 6,575
Swell factor: 1.215
Loose volume: **7,989 LCY**Source of estimated volume: TR137
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 200 feet
Unadjusted hourly production: 289.3 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

		<u>Source</u>
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 WORKTask description: **TR142 South Cresson Backfill - Topsoil - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0710 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: M244-A0710
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 740
-Loader:	CAT 988H
Support Equipment -Load Area:	Cat D8T - 8SU
-Dump Area:	NA
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader Team		Support Equipment		Maintenance Equipment	
	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-ripper:	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:	\$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 cost/hour: **\$1,581.35****MATERIAL QUANTITIES**

Initial volume: 8,712 CCY Swell factor: 1.215
 Loose volume: 10,585 LCY

Source of estimated volume: TR142
 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: 87,000 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

Final Truck Volume Based on Number of Loader Passes: 30.36 LCY**Loading Tool Capacity**Bucket Size Class: NA

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 Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes**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: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.575 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)
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:		0.515	minutes
Net Load Time per Truck:		1.130	minutes

Truck Cycle Time:

Truck Exchange Time: 0.60 Minutes Adjusted for site altitude: 0.732 Minutes
 Truck Load Time: 1.130 Minutes Adjusted for site altitude: 1.189 Minutes
 Truck Maneuver and Dump Time: 1.00 Minutes Adjusted for site altitude: 1.220 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	4900.00	0.00	3.00	3.00	3005	2.423

Haul Time: **2.423** minutes

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** minutesTotal 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: 616.13 LCY/Hour
Adjusted single truck/loader team production: 616.13 LCY/Hour
Adjusted multiple truck/loader team production: **616.13** LCY/Hour

JOB TIME AND COSTFleet size: 1 Team(s) Total job time: **17.18** HoursUnit cost: \$2.567 /LCY Total job cost: **\$27,167**

BULLDOZER RIPPING WORK

Task description: TR142 South Cresson Backfill - Topsoil - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A0711 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: M244-A0711
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 10.80 acres Rip Depth (ft): 2.50 Volume: 43,560 BCY or CCY

Source of estimated quantity: TR142

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	feet/pass
Average Ripping Width:	<u>6.50</u>	feet/pass
Average Ripping Length:	<u>245.00</u>	feet/pass
Average Dozer Speed:	<u>88.00</u>	feet/minute
Average Maneuver Time:	<u>0.25</u>	minutes/pass
Production per unit area:	<u>0.723</u>	acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.723</u>	Acres/hr
Site Altitude:	<u>9,500</u>	feet
Altitude Adj:	<u>1.00</u>	(CAT HB)
Job Efficiency:	<u>0.83</u>	(1 shift/day)
Net Correction:	<u>0.83</u>	multiplier

Adjusted Hourly Unit Production: 0.60 Acres/hr
Adjusted Hourly Fleet Production: 0.60 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 18.00 Hours

Unit cost: \$370.348 Per acre Total job cost: \$4,000

BULLDOZER WORKTask description: **TR142 South Cresson Backfill - Topsoil - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A0712 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A0712
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 8,712
 Swell factor: 1.215
 Loose volume: **10,585 LCY**

Source of estimated volume: TR142
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 200 feet
 Unadjusted hourly production: 289.3 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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**

BULLDOZER WORKTask description: **AGVLF - Pile Leveling - Mass Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1000 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1000
 User: ERR

Agency or organization name: DRMS**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:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91
 Total Fleet Cost/Hour: **\$985.81**

MATERIAL QUANTITIES

Initial Volume: 31,765
 Swell factor: 1.000
 Loose volume: **31,765 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: 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/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.200</u>	<u>(S-BY-S)</u>

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**

BULLDOZER WORKTask description: **AGVLF - Pile Leveling - Fine Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1001 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1001
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 3,529
 Swell factor: 1.000
 Loose volume: **3,529 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
 Unadjusted hourly production: 800.0 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -10 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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**

BULLDOZER WORKTask description: **AGVLF - 20 - 200 ft face - Mass Grading**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1002 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1002
 User: ERR

Agency or organization name: **DRMS****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
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

Total unit Cost/Hour: \$492.91
 Total Fleet Cost/Hour: **\$985.81**

MATERIAL QUANTITIES

Initial Volume: 2,395,752
 Swell factor: 1.000
 Loose volume: **2,395,752 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 165 feet
 Unadjusted hourly production: 1,141.9 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

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.000	(CAT HB)
Dozing 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 WORKTask description: **AGVLF - 20 - 200 ft face - Fine Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1003 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1003
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 266,196
 Swell factor: 1.000
 Loose volume: **266,196 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 165 feet
 Unadjusted hourly production: 343.9 LCY/hr

Materials consistency description: Consolidated stockpile 1.0

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.000</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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**

TRUCK/LOADER TEAM WORKTask description: **AGVLF - Topsoil - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1004 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1004
 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 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-ripper:	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 cost/hour: **\$2,137.53****MATERIAL QUANTITIES**

Initial volume: 26,557 CCY Swell factor: 1.215
 Loose volume: 32,267 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	2000.00	-0.60	3.00	2.40	3328	1.578

Haul Time: **1.578** minutes

Return Route:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **28.92** HoursUnit cost: \$1.916 /LCY Total job cost: **\$61,808**

BULLDOZER RIPPING WORK

Task description: AGVLF - Topsoil - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A1006 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A1006
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 32.93 acres Rip Depth (ft): 2.50 Volume: 132,818 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>350.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.741</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.741</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.62 Acres/hr
Adjusted Hourly Fleet Production: 0.62 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 53.52 Hours

Unit cost: \$361.194 Per acre Total job cost: \$11,894

TRUCK/LOADER TEAM WORKTask description: **AGVLF - Topsoil - Lift 1 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1007 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1007
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 23,223 CCY Swell factor: 1.215
 Loose volume: **28,216** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

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: _____

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)
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:

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
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	3087.00	3.90	3.00	6.90	1160	2.789

Haul Time: **2.789** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3087.00	-3.90	3.00	-0.90	3503	0.916

Return Time: **0.916** minutesTotal Truck Cycle Time: **7.537** minutes

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

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

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

JOB TIME AND COSTFleet size: 1 Team(s) Total job time: **21.18** HoursUnit cost: \$1.888 /LCY Total job cost: **\$53,260**

TRUCK/LOADER TEAM WORKTask description: **AGVLF - Topsoil - Lift 2 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1008 State: Colorado Abbreviation: None
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 30,224 CCY Swell factor: 1.215
 Loose volume: **36,722** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	3196.00	-0.70	3.00	2.30	3328	1.867

Haul Time: **1.867** minutes

Return Route:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **27.56** HoursUnit cost: \$1.888 /LCY Total job cost: **\$69,316**

TRUCK/LOADER TEAM WORKTask description: **AGVLF - Topsoil - Lift 3 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1009 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1009
 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.

<u>Cost Breakdown:</u>	Truck/Loader Team		Support Equipment		Maintenance 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 40,095 CCY Swell factor: 1.215
 Loose volume: 48,715 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	4268.00	-3.30	3.00	-0.30	3503	1.291

Haul Time: **1.291** minutes

Return Route:

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** minutesTotal Truck Cycle Time: **6.941** minutes

Loading Tool unit

Production	<u>1,605.09</u>	LCY/Hour	Adjusted for job efficiency:	<u>1,332.22</u>	LCY/Hour
Truck Unit Production	<u>608.59</u>	LCY/Hour	Adjusted for job efficiency:	<u>505.13</u>	LCY/Hour

Optimal No. of Trucks:	<u>3</u>	Truck(s)	Selected Number of Trucks:	<u>3</u>	Truck(s)
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Adjusted hourly truck team production:	<u>1,515.39</u>	LCY/Hour
Adjusted single truck/loader team production:	<u>1,332.22</u>	LCY/Hour
Adjusted multiple truck/loader team production:	<u>1,332.22</u>	LCY/Hour

JOB TIME AND COSTFleet size: 1 Team(s) Total job time: **36.57** HoursUnit cost: \$1.888 /LCY Total job cost: **\$91,954**

TRUCK/LOADER TEAM WORKTask description: **AGVLF - Topsoil - Lift 4 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1010 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1010
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 59,506 CCY Swell factor: 1.215
 Loose volume: 72,300 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
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:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	6312.00	-5.50	3.00	-2.50	3450	1.926

Haul Time: 1.926 minutes

Return Route:

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 minutesTotal 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

JOB TIME AND COSTFleet size: 1 Team(s) Total job time: 60.10 HoursUnit cost: \$2.090 /LCY Total job cost: \$151,126

TRUCK/LOADER TEAM WORKTask description: **AGVLF - Topsoil - Lift 5 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1011 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1011
 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 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-ripper:	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 cost/hour: **\$2,891.83****MATERIAL QUANTITIES**

Initial volume: 60,616 CCY Swell factor: 1.215
 Loose volume: **73,648** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	7462.00	-6.20	3.00	-3.20	3450	2.277

Haul Time: 2.277 minutes

Return Route:

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 minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: 55.28 HoursUnit cost: \$2.171 /LCY Total job cost: \$159,867

TRUCK/LOADER TEAM WORKTask description: **AGVLF - Topsoil - Lift 6 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1012 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1012
 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 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-ripper:	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 cost/hour: **\$3,268.98****MATERIAL QUANTITIES**

Initial volume: 77,411 CCY Swell factor: 1.215
 Loose volume: **94,054** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	8747.00	-6.80	3.00	-3.80	2545	3.618

Haul Time: **3.618** minutes

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

Return Time: **5.013** minutesTotal Truck Cycle Time: **12.463** minutes

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

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

Adjusted hourly truck team production: 1,406.57 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: **70.60** Hours

Unit cost: \$2.454 /LCY Total job cost: **\$230,789**

TRUCK/LOADER TEAM WORKTask description: **AGVLF - Topsoil - Lift 7 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1013 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1013
 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 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-ripper:	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 cost/hour: **\$3,268.98****MATERIAL QUANTITIES**

Initial volume: 104,752 CCY Swell factor: 1.215
 Loose volume: 127,274 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	10490.00	-6.80	3.00	-3.80	2545	4.339

Haul Time: 4.339 minutes

Return Route:

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 minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: 102.79 HoursUnit cost: \$2.640 /LCY Total job cost: \$336,023

TRUCK/LOADER TEAM WORKTask description: **AGVLF - Topsoil - Lift 8 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1014 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1014
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 59,879 CCY Swell factor: 1.215
 Loose volume: 72,753 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
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:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	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** minutesTotal 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: **1,332.22** LCY/Hour

JOB TIME AND COSTFleet size: 1 Team(s) Total job time: **54.61** HoursUnit cost: \$1.888 /LCY Total job cost: **\$137,327**

TRUCK/LOADER TEAM WORKTask description: **AGVLF - Topsoil - Lift 9 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1015 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1015
 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 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-ripper:	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 cost/hour: **\$2,137.53****MATERIAL QUANTITIES**

Initial volume: 41,737 CCY Swell factor: 1.215
 Loose volume: 50,710 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	1859.00	-8.00	3.00	-5.00	1870	1.140

Haul Time: **1.140** minutes

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** minutesTotal 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 WORKTask description: **AGVLF -Topsoil - Lift 1 - 9 - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1016 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1016
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

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/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 - Topsoil - Lift 1 - 9 - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A1017 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A1017
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 616.66 acres Rip Depth (ft): 2.50 Volume: 2,487,195 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>442.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.751</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.751</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.62 Acres/hr
Adjusted Hourly Fleet Production: 0.62 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 989.93 Hours

Unit cost: \$356.747 Per acre Total job cost: \$219,992

BULLDOZER WORKTask description: **SGVLF - 100 ft face - Mass Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1100 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1100
 User: ERR

Agency or organization name: DRMS**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:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$492.91
 Total Fleet Cost/Hour: **\$985.81**

MATERIAL QUANTITIES

Initial Volume: 1,797,311
 Swell factor: 1.000
 Loose volume: **1,797,311 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 145 feet
 Unadjusted hourly production: 1,284.6 LCY/hr

Materials consistency description: Consolidated stockpile 1.0

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.000</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.200</u>	<u>(S-BY-S)</u>

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 WORKTask description: **SGVLF - 100 ft face - Fine Grading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1101 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1101
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 199,701
 Swell factor: 1.000
 Loose volume: **199,701 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 145 feet
 Unadjusted hourly production: 381.4 LCY/hr

Materials consistency description: Consolidated stockpile 1.0

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 2,800 lbs/LCYWeight description: Granite - Broken**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.000</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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**

TRUCK/LOADER TEAM WORKTask description: **SGVLF - Topsoil - Lift 1 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1102 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1102
 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 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-ripper:	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 cost/hour: **\$3,268.98****MATERIAL QUANTITIES**

Initial volume: 13,456 CCY Swell factor: 1.215
 Loose volume: 16,349 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	6269.00	7.10	3.00	10.10	795	7.950

Haul Time: **7.950** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	6269.00	-7.10	3.00	-4.10	3450	1.873

Return Time: **1.873** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **12.74** HoursUnit cost: \$2.546 /LCY Total job cost: **\$41,631**

TRUCK/LOADER TEAM WORKTask description: **SGVLF - Topsoil - Lift 2 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1103 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1103
 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 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-ripper:	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 cost/hour: **\$2,891.83****MATERIAL QUANTITIES**

Initial volume: 12,686 CCY Swell factor: 1.215
 Loose volume: 15,413 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	4774.00	5.40	3.00	8.40	985	4.952

Haul Time: **4.952** minutes

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **11.57** HoursUnit cost: \$2.171 /LCY Total job cost: **\$33,458**

TRUCK/LOADER TEAM WORKTask description: **SGVLF - Topsoil - Lift 3 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1104 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1104
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 16,792 CCY Swell factor: 1.215
 Loose volume: 20,402 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	3710.00	3.90	3.00	6.90	1160	3.326

Haul Time: **3.326** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	3710.00	-3.90	3.00	-0.90	3503	1.092

Return Time: **1.092** minutesTotal Truck Cycle Time: **8.250** minutes

Loading Tool unit

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

JOB TIME AND COSTFleet size: 1 Team(s) Total job time: **16.00** HoursUnit cost: \$1.972 /LCY Total job cost: **\$40,241**

TRUCK/LOADER TEAM WORKTask description: **SGVLF - Topsoil - Lift 4 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1105 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1105
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 25,752 CCY Swell factor: 1.215
 Loose volume: 31,289 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	3178.00	1.90	3.00	4.90	1550	2.249

Haul Time: **2.249** minutes

Return Route:

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** minutesTotal 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 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 COSTFleet size: 1 Team(s) Total job time: **23.49** HoursUnit cost: \$1.888 /LCY Total job cost: **\$59,060**

TRUCK/LOADER TEAM WORKTask description: **SGVLF - Topsoil - Lift 5 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1106 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1106
 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 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-ripper:	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 cost/hour: **\$2,137.53****MATERIAL QUANTITIES**

Initial volume: 41,227 CCY Swell factor: 1.215
 Loose volume: **50,091** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
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:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	2868.00	-2.00	3.00	1.00	3503	1.348

Haul Time: **1.348** minutes

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** minutesTotal 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 single truck/loader team production: 1,092.25 LCY/Hour
Adjusted multiple truck/loader team production: **1,092.25** LCY/Hour

JOB TIME AND COSTFleet size: 1 Team(s) Total job time: **45.86** HoursUnit cost: \$1.957 /LCY Total job cost: **\$98,028**

TRUCK/LOADER TEAM WORKTask description: **SGVLF - Topsoil - Lift 6 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1107 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1107
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 70,800 CCY Swell factor: 1.215
 Loose volume: **86,022** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	3821.00	-4.20	3.00	-1.20	3503	1.174

Haul Time: **1.174** minutes

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **64.57** HoursUnit cost: \$1.888 /LCY Total job cost: **\$162,374**

TRUCK/LOADER TEAM WORKTask description: **SGVLF - Topsoil - Lift 7 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1108 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1108
 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 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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 55,023 CCY Swell factor: 1.215
 Loose volume: 66,853 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	2908.00	-8.90	3.00	-5.90	1870	1.713

Haul Time: **1.713** minutes

Return Route:

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** minutesTotal 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

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **50.18** Hours

Unit cost: \$1.888 /LCY Total job cost: **\$126,190**

TRUCK/LOADER TEAM WORKTask description: **SGVLF - Topsoil - Lift 8 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1109 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1109
 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 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-ripper:	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 cost/hour: **\$2,514.68****MATERIAL QUANTITIES**

Initial volume: 48,228 CCY Swell factor: 1.215
 Loose volume: 58,597 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	4903.00	-7.30	3.00	-4.30	2545	2.028

Haul Time: **2.028** minutes

Return Route:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **48.68** HoursUnit cost: \$2.089 /LCY Total job cost: **\$122,413**

TRUCK/LOADER TEAM WORKTask description: **SGVLF - Topsoil - Lift 9 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1110 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1110
 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 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 cost/hour: **\$2,891.83****MATERIAL QUANTITIES**

Initial volume: 43,297 CCY Swell factor: 1.215
 Loose volume: **52,606** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	5285.00	-8.70	3.00	-5.70	1870	2.975

Haul Time: 2.975 minutes

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 minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: 39.49 HoursUnit cost: \$2.171 /LCY Total job cost: \$114,191

TRUCK/LOADER TEAM WORKTask description: **SGVLF - Topsoil - Lift 10 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1111 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1111
 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 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-ripper:	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 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: 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	7928.00	-7.10	3.00	-4.10	2545	3.279

Haul Time: **3.279** minutes

Return Route:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **39.03** HoursUnit cost: \$2.407 /LCY Total job cost: **\$112,879**

TRUCK/LOADER TEAM WORKTask description: **SGVLF - Topsoil - Lift 11 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1112 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1112
 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 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-ripper:	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 cost/hour: **\$3,268.98****MATERIAL QUANTITIES**

Initial volume: 38,532 CCY Swell factor: 1.215
 Loose volume: 46,816 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	LCY

Job Condition Corrections:

Site Altitude (ft.): 9500 feet

	Truck	Loader	Source
Altitude Adj:	<u>1.000</u>	<u>0.980</u>	(CAT HB)
Job Efficiency:	<u>0.830</u>	<u>0.830</u>	(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: _____

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	<u>0.020</u>	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	<u>0.000</u>	(Cat HB)
Truck Ownership:	Common ownership of trucks and loaders -0.04	<u>-0.040</u>	(Cat HB)
Operation:	Constant operation -0.04	<u>-0.040</u>	(Cat HB)
Dump Target:	Nominal target 0.00	<u>0.000</u>	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	7725.00	-8.50	3.00	-5.50	1870	4.348

Haul Time: **4.348** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	7725.00	8.50	3.00	11.50	1628	4.865

Return Time: **4.865** minutesTotal 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: 1,332.22 LCY/Hour
Adjusted multiple truck/loader team production: **1,332.22** LCY/Hour

JOB TIME AND COSTFleet size: 1 Team(s) Total job time: **35.14** HoursUnit cost: \$2.454 /LCY Total job cost: **\$114,877**

TRUCK/LOADER TEAM WORKTask description: **SGVLF - Topsoil - Lift 12 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1113 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1113
 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 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:	5	1	1	0	1	1
Group Subtotals:	Work: \$2,423.66		Support: \$492.91		Maint: \$352.41	

Total work team cost/hour: **\$3,268.98****MATERIAL QUANTITIES**

Initial volume: 27,409 CCY Swell factor: 1.215
 Loose volume: 33,302 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.565</u>	minutes
Net Load Time per Truck:		<u>1.795</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	8359.00	-9.10	3.00	-6.10	1870	4.705

Haul Time: **4.705** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	8359.00	9.10	3.00	12.10	1628	5.273

Return Time: **5.273** minutesTotal Truck Cycle Time: **13.810** minutes

Loading Tool unit

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

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**

TRUCK/LOADER TEAM WORKTask description: **SGVLF - Topsoil - Lift 13 - Transport**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1114 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1114
 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 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-ripper:	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:	6	1	1	0	1	1
Group Subtotals:	Work: \$2,800.81		Support: \$492.91		Maint: \$352.41	

Total work team cost/hour: **\$3,646.13****MATERIAL QUANTITIES**

Initial volume: 17,859 CCY Swell factor: 1.215
 Loose volume: **21,699** 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: 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

Final Truck Volume Based on Number of Loader Passes: 70.40 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>16.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) 1.100
Adjusted Capacity:	<u>17.600</u>	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: _____

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)
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:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>1.795</u>	Minutes	Adjusted for site altitude:	<u>1.832</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	9638.00	-8.40	3.00	-5.40	1870	5.425

Haul Time: 5.425 minutes

Return Route:

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 minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: 16.29 HoursUnit cost: \$2.737 /LCY Total job cost: \$59,387

BULLDOZER WORKTask description: **SGVLF -Topsoil - Lift 1 - 13 - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A1115 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A1115
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 449,655
 Swell factor: 1.215
 Loose volume: **546,331 LCY**

Source of estimated volume: 2022 CC&V Provided Estimate
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 145 feet
 Unadjusted hourly production: 381.4 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: -30 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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 - Topsoil - Lift 1 - 13 - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A1116 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A1116
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 557.39 acres Rip Depth (ft): 2.50 Volume: 2,248,140 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>245.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.723</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.723</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.60 Acres/hr
Adjusted Hourly Fleet Production: 0.60 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 928.90 Hours

Unit cost: \$370.348 Per acre Total job cost: \$206,428

BULLDOZER RIPPING WORK

Task description: TR113 AGVLF - Leach Cell Footprint - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A1117 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A1117
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D10T - 10SU Horsepower: 574
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$257.39</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$196.93</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$25.02</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$11.73</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$529.66</u>	
Total Fleet Cost/Hour:	<u>\$529.66</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 1.68 acres Rip Depth (ft): 2.50 Volume: 6,776 BCY or CCY

Source of estimated quantity: TR113

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 2.87 feet/pass
Average Ripping Width: 8.67 feet/pass
Average Ripping Length: 348.00 feet/pass
Average Dozer Speed: 88.00 feet/minute
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.988 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.988 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: 0.82 Acres/hr
Adjusted Hourly Fleet Production: 0.82 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 2.05 Hours

Unit cost: \$645.619 Per acre Total job cost: \$1,085

TRUCK/LOADER TEAM WORKTask description: **AGVLF - 9400**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A2000 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A2000
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	KOMATSU 830E
-Loader:	LETOURNEAU L2350
Support Equipment -Load Area:	Cat D10T - 10SU
-Dump Area:	Cat D10T - 10SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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:	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
 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**Bucket Size Class: NA

Rated Capacity: 53.000 LCY (heaped)
 Bucket Fill Factor: 0.675 Blasted rock - poorly blasted (60 - 75%) 0.675
 Adjusted Capacity: 35.775 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: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.725 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)
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:		0.665	minutes
Net Load Time per Truck:		2.095	minutes

Truck Cycle Time:

Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes
 Truck Load Time: 2.095 Minutes Adjusted for site altitude: 2.138 Minutes
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	4374.00	8.20	3.00	11.20	724	6.136

Haul Time: 6.136 minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	4374.00	-8.20	3.00	-5.20	3450	1.307

Return Time: 1.307 minutesTotal Truck Cycle Time: 11.581 minutes

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

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 COSTFleet size: 1 Team(s) Total job time: 140.33 HoursUnit cost: \$1.907 /LCY Total job cost: \$649,288

TRUCK/LOADER TEAM WORKTask description: **AGVLF - 9500**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

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

Equipment Description	
Truck Loader Team -Truck:	KOMATSU 830E
-Loader:	LETOURNEAU L2350
Support Equipment -Load Area:	Cat D10T - 10SU
-Dump Area:	Cat D10T - 10SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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-ripper:	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
 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

Bucket Size Class: NA

Rated Capacity:	<u>53.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>0.675</u>	Blasted rock - poorly blasted (60 - 75%) 0.675
Adjusted Capacity:	<u>35.775</u>	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: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.725 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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.665</u>	minutes
Net Load Time per Truck:		<u>2.095</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>2.095</u>	Minutes	Adjusted for site altitude:	<u>2.138</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	3782.00	5.80	3.00	8.80	925	4.221

Haul Time: 4.221 minutes

Return Route:

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 minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: 193.95 HoursUnit cost: \$1.824 /LCY Total job cost: \$798,680

TRUCK/LOADER TEAM WORKTask description: **AGVLF - 9600**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A2002 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A2002
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	KOMATSU 830E
-Loader:	LETOURNEAU L2350
Support Equipment -Load Area:	Cat D10T - 10SU
-Dump Area:	Cat D10T - 10SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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-ripper:	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

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

Bucket Size Class: NA

Rated Capacity:	<u>53.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>0.675</u>	Blasted rock - poorly blasted (60 - 75%) 0.675
Adjusted Capacity:	<u>35.775</u>	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: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.725 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)
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:		0.665	minutes
Net Load Time per Truck:		2.095	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>2.095</u>	Minutes	Adjusted for site altitude:	<u>2.138</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	2074.00	3.90	3.00	6.90	1160	1.965

Haul Time: 1.965 minutes

Return Route:

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 minutesTotal 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: 1,975.23 LCY/Hour
Adjusted single truck/loader team production: 1,975.23 LCY/Hour
Adjusted multiple truck/loader team production: 1,975.23 LCY/Hour

JOB TIME AND COSTFleet size: 1 Team(s) Total job time: 338.75 HoursUnit cost: \$1.827 /LCY Total job cost: \$1,222,620

TRUCK/LOADER TEAM WORKTask description: **AGVLF - 9700**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A2003 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A2003
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	KOMATSU 830E
-Loader:	LETOURNEAU L2350
Support Equipment -Load Area:	Cat D10T - 10SU
-Dump Area:	Cat D10T - 10SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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-ripper:	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
 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

Bucket Size Class: NA

Rated Capacity: 53.000 LCY (heaped)
 Bucket Fill Factor: 0.675 Blasted rock - poorly blasted (60 - 75%) 0.675
 Adjusted Capacity: 35.775 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: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.725 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)
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:		0.665	minutes
Net Load Time per Truck:		2.095	minutes

Truck Cycle Time:

Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes
 Truck Load Time: 2.095 Minutes Adjusted for site altitude: 2.138 Minutes
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	1628.00	-4.90	3.00	-1.90	3450	0.556

Haul Time: **0.556** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1628.00	4.90	3.00	7.90	2327	1.206

Return Time: **1.206** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **382.51** HoursUnit cost: \$1.494 /LCY Total job cost: **\$1,380,561**

TRUCK/LOADER TEAM WORKTask description: **AGVLF - 9800**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A2004 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A2004
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

Equipment Description	
Truck Loader Team -Truck:	KOMATSU 830E
-Loader:	LETOURNEAU L2350
Support Equipment -Load Area:	Cat D10T - 10SU
-Dump Area:	Cat D10T - 10SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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-ripper:	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
 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**Bucket Size Class: NA

Rated Capacity: 53.000 LCY (heaped)
 Bucket Fill Factor: 0.675 Blasted rock - poorly blasted (60 - 75%) 0.675
 Adjusted Capacity: 35.775 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: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.725 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)
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:		0.665	minutes
Net Load Time per Truck:		2.095	minutes

Truck Cycle Time:

Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes
 Truck Load Time: 2.095 Minutes Adjusted for site altitude: 2.138 Minutes
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	3194.00	-7.50	3.00	-4.50	2545	1.373

Haul Time: 1.373 minutes

Return Route:

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 minutesTotal Truck Cycle Time: 7.673 minutes

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour
Truck Unit Production 1,119.02 LCY/Hour Adjusted for job efficiency: 928.79 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 COSTFleet size: 1 Team(s) Total job time: 210.88 HoursUnit cost: \$1.698 /LCY Total job cost: \$868,422

TRUCK/LOADER TEAM WORKTask description: **AGVLF - 9900**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A2005 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A2005
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	KOMATSU 830E
-Loader:	LETOURNEAU L2350
Support Equipment -Load Area:	Cat D10T - 10SU
-Dump Area:	Cat D10T - 10SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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:	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
 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

Bucket Size Class: NA

Rated Capacity: 53.000 LCY (heaped)
 Bucket Fill Factor: 0.675 Blasted rock - poorly blasted (60 - 75%) 0.675
 Adjusted Capacity: 35.775 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: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.725 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)
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:		0.665	minutes
Net Load Time per Truck:		2.095	minutes

Truck Cycle Time:

Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes
 Truck Load Time: 2.095 Minutes Adjusted for site altitude: 2.138 Minutes
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	4981.00	-8.80	3.00	-5.80	1870	2.804

Haul Time: **2.804** minutes

Return Route:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **120.27** HoursUnit cost: \$1.907 /LCY Total job cost: **\$556,464**

TRUCK/LOADER TEAM WORKTask description: **AGVLF - 10000**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A2006 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A2006
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

Equipment Description	
Truck Loader Team -Truck:	KOMATSU 830E
-Loader:	LETOURNEAU L2350
Support Equipment -Load Area:	Cat D10T - 10SU
-Dump Area:	Cat D10T - 10SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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:	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: 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: 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

Bucket Size Class: NA

Rated Capacity:	<u>53.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>0.675</u>	Blasted rock - poorly blasted (60 - 75%) 0.675
Adjusted Capacity:	<u>35.775</u>	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: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.725 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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.665</u>	minutes
Net Load Time per Truck:		<u>2.095</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>2.095</u>	Minutes	Adjusted for site altitude:	<u>2.138</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	6981.00	-8.60	3.00	-5.60	1870	3.930

Haul Time: 3.930 minutes

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 minutesTotal Truck Cycle Time: 12.700 minutes

Loading Tool unit

Production 2,922.64 LCY/Hour Adjusted for job efficiency: 2,425.79 LCY/Hour
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: 2,244.57 LCY/Hour

JOB TIME AND COSTFleet size: 1 Team(s) Total job time: 37.67 HoursUnit cost: \$2.061 /LCY Total job cost: \$174,297

TRUCK/LOADER TEAM WORKTask description: **AGVLF - 9920**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A2007 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A2007
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

Equipment Description	
Truck Loader Team -Truck:	KOMATSU 830E
-Loader:	LETOURNEAU L2350
Support Equipment -Load Area:	Cat D10T - 10SU
-Dump Area:	Cat D10T - 10SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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-ripper:	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
 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

Bucket Size Class: NA

Rated Capacity: 53.000 LCY (heaped)
 Bucket Fill Factor: 0.675 Blasted rock - poorly blasted (60 - 75%) 0.675
 Adjusted Capacity: 35.775 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: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.725 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)
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:		0.665	minutes
Net Load Time per Truck:		2.095	minutes

Truck Cycle Time:

Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes
 Truck Load Time: 2.095 Minutes Adjusted for site altitude: 2.138 Minutes
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	4606.00	5.20	3.00	8.20	985	4.817

Haul Time: **4.817** minutes

Return Route:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **2,720.48** HoursUnit cost: \$1.907 /LCY Total job cost: **\$12,587,508**

TRUCK/LOADER TEAM WORKTask description: **AGVLF - 10020**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A2008 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A2008
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

Equipment Description	
Truck Loader Team -Truck:	KOMATSU 830E
-Loader:	LETOURNEAU L2350
Support Equipment -Load Area:	Cat D10T - 10SU
-Dump Area:	Cat D10T - 10SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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-ripper:	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

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

Bucket Size Class: NA

Rated Capacity:	<u>53.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>0.675</u>	Blasted rock - poorly blasted (60 - 75%) 0.675
Adjusted Capacity:	<u>35.775</u>	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: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.725 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)
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:		0.665	minutes
Net Load Time per Truck:		2.095	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>2.095</u>	Minutes	Adjusted for site altitude:	<u>2.138</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	4269.00	2.30	3.00	5.30	1550	3.077

Haul Time: 3.077 minutes

Return Route:

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 minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: 1,665.81 HoursUnit cost: \$1.698 /LCY Total job cost: \$6,859,931

TRUCK/LOADER TEAM WORKTask description: **AGVLF - 10100**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A2009 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A2009
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	KOMATSU 830E
-Loader:	LETOURNEAU L2350
Support Equipment -Load Area:	Cat D10T - 10SU
-Dump Area:	Cat D10T - 10SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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-ripper:	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: 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

Bucket Size Class: NA

Rated Capacity:	<u>53.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>0.675</u>	Blasted rock - poorly blasted (60 - 75%) 0.675
Adjusted Capacity:	<u>35.775</u>	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: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.725 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)
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:		0.665	minutes
Net Load Time per Truck:		2.095	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>2.095</u>	Minutes	Adjusted for site altitude:	<u>2.138</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	1495.00	-4.00	3.00	-1.00	3503	0.508

Haul Time: **0.508** minutes

Return Route:

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **1,615.58** HoursUnit cost: \$1.488 /LCY Total job cost: **\$5,830,931**

TRUCK/LOADER TEAM WORKTask description: **AGVLF - 10190**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A2010 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A2010
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	KOMATSU 830E
-Loader:	LETOURNEAU L2350
Support Equipment -Load Area:	Cat D10T - 10SU
-Dump Area:	Cat D10T - 10SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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-ripper:	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: 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

Bucket Size Class: NA

Rated Capacity:	<u>53.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>0.675</u>	Blasted rock - poorly blasted (60 - 75%) 0.675
Adjusted Capacity:	<u>35.775</u>	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: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.725 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)
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:		0.665	minutes
Net Load Time per Truck:		2.095	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>2.095</u>	Minutes	Adjusted for site altitude:	<u>2.138</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	3784.00	-6.60	3.00	-3.60	2545	1.600

Haul Time: 1.600 minutes

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 minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: 2,022.51 HoursUnit cost: \$2.049 /LCY Total job cost: \$7,299,640

TRUCK/LOADER TEAM WORKTask description: **AGVLF - 10280**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A2011 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A2011
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	KOMATSU 830E
-Loader:	LETOURNEAU L2350
Support Equipment -Load Area:	Cat D10T - 10SU
-Dump Area:	Cat D10T - 10SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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:	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

Bucket Size Class: NA

Rated Capacity:	<u>53.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>0.675</u>	Blasted rock - poorly blasted (60 - 75%) 0.675
Adjusted Capacity:	<u>35.775</u>	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: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.725 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)
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:		0.665	minutes
Net Load Time per Truck:		2.095	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.80</u>	Minutes	Adjusted for site altitude:	<u>0.800</u>	Minutes
Truck Load Time:	<u>2.095</u>	Minutes	Adjusted for site altitude:	<u>2.138</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.20</u>	Minutes	Adjusted for site altitude:	<u>1.200</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	6052.00	-7.60	3.00	-4.60	1870	3.407

Haul Time: 3.407 minutes

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 minutesTotal 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 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 COSTFleet size: 1 Team(s) Total job time: 1,433.67 HoursUnit cost: \$1.907 /LCY Total job cost: \$6,633,516

TRUCK/LOADER TEAM WORKTask description: **Remove ROM**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A2100 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A2100
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

Equipment Description	
Truck Loader Team -Truck:	KOMATSU 830E
-Loader:	LETOURNEAU L2350
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 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	\$581.06	\$196.93	NA	\$29.91	\$20.80
% Utilization-ripper:	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:	\$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 cost/hour: **\$3,116.28****MATERIAL QUANTITIES**

Initial volume: 12,587 CCY 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

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**Bucket Size Class: NA

Rated Capacity: 53.000 LCY (heaped)
 Bucket Fill Factor: 0.675 Blasted rock - poorly blasted (60 - 75%) 0.675
 Adjusted Capacity: 35.775 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: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.725 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)
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:		0.665	minutes
Net Load Time per Truck:		2.095	minutes

Truck Cycle Time:

Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes
 Truck Load Time: 2.095 Minutes Adjusted for site altitude: 2.138 Minutes
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	1126.00	2.00	3.00	5.00	1550	0.996

Haul Time: **0.996** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1126.00	-2.00	3.00	1.00	3503	0.562

Return Time: **0.562** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **5.19** HoursUnit cost: \$1.285 /LCY Total job cost: **\$16,170**

TRUCK/LOADER TEAM WORKTask description: **Remove DCF and Liner**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A2200 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A2200
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

Equipment Description	
Truck Loader Team -Truck:	KOMATSU 830E
-Loader:	LETOURNEAU L2350
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 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	\$581.06	\$196.93	NA	\$29.91	\$20.80
% Utilization-ripper:	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:	\$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 cost/hour: **\$3,116.28****MATERIAL QUANTITIES**

Initial volume: 12,587 CCY 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

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**Bucket Size Class: NA

Rated Capacity: 53.000 LCY (heaped)
 Bucket Fill Factor: 0.675 Blasted rock - poorly blasted (60 - 75%) 0.675
 Adjusted Capacity: 35.775 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: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.725 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)
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:		0.665	minutes
Net Load Time per Truck:		2.095	minutes

Truck Cycle Time:

Truck Exchange Time: 0.80 Minutes Adjusted for site altitude: 0.800 Minutes
 Truck Load Time: 2.095 Minutes Adjusted for site altitude: 2.138 Minutes
 Truck Maneuver and Dump Time: 1.20 Minutes Adjusted for site altitude: 1.200 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	1126.00	2.00	3.00	5.00	1550	0.996

Haul Time: **0.996** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1126.00	-2.00	3.00	1.00	3503	0.562

Return Time: **0.562** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **5.19** HoursUnit cost: \$1.285 /LCY Total job cost: **\$16,170**

TRUCK/LOADER TEAM WORKTask description: Cresson Underground Portal Backfill

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A2300 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A2300
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 740
-Loader:	CAT 988H
Support Equipment -Load Area:	Cat D8T - 8SU
-Dump Area:	NA
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader Team		Support Equipment		Maintenance Equipment	
	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	\$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:	\$213.03	\$268.23	\$321.62	NA	\$237.06	\$115.35
Number of Units:	7	1	1	0	1	1
Group Subtotals:	Work: \$1,759.44		Support: \$321.62		Maint: \$352.41	

Total work team cost/hour: \$2,433.47**MATERIAL QUANTITIES**

Initial volume: 592 CCY Swell factor: 1.000
 Loose volume: 592 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: 87,000 Pounds

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 Volume Based on Number of Loader Passes: 31.05 LCY**Loading Tool Capacity**Bucket Size Class: NA

Rated Capacity: 9.200 LCY (heaped)
 Bucket Fill Factor: 0.675 Blasted rock - poorly blasted (60 - 75%) 0.675
 Adjusted Capacity: 6.210 LCY

Job Condition Corrections:Site Altitude (ft.): 9500 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 Passes Required to Fill Truck: 5 passes**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: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.575 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)
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:		0.515	minutes
Net Load Time 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
 Truck Maneuver and Dump Time: 1.00 Minutes Adjusted for site altitude: 1.220 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	9300.00	10.00	3.00	13.00	708	13.198

Haul Time: **13.198** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	9300.00	-10.00	3.00	-7.00	3706	2.587

Return Time: **2.587** minutesTotal Truck Cycle Time: **20.010** minutes

Loading Tool unit

Production 619.89 LCY/Hour Adjusted for job efficiency: 514.51 LCY/Hour
Truck Unit Production 93.10 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 COSTFleet size: 1 Team(s) Total job time: **1.15** HoursUnit 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 Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A3000 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A3000
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 9.89 acres Rip Depth (ft): 2.50 Volume: 39,890 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.45</u>	<u>feet/pass</u>
Average Ripping Width:	<u>6.50</u>	<u>feet/pass</u>
Average Ripping Length:	<u>184.00</u>	<u>feet/pass</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet/minute</u>
Average Maneuver Time:	<u>0.25</u>	<u>minutes/pass</u>
Production per unit area:	<u>0.704</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.704</u>	<u>Acres/hr</u>
Site Altitude:	<u>9,500</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.58 Acres/hr
Adjusted Hourly Fleet Production: 0.58 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 16.93 Hours

Unit cost: \$380.465 Per acre Total job cost: \$3,763

TRUCK/LOADER TEAM WORKTask description: **Foundations and Buildings - B&G and Topsoil - 5.1k Haul**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A3001 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A3001
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 725
-Loader:	CAT 966H
Support Equipment -Load Area:	Cat D7R DS Series II LGP
-Dump Area:	Cat D7R DS Series II LGP
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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:	\$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	\$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 cost/hour: **\$2,212.59****MATERIAL QUANTITIES**

Initial volume: 31,873 CCY Swell factor: 1.215
 Loose volume: 38,726 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

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 Loader Passes: 16.50 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>5.000</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>5.500</u>	LCY

Job Condition Corrections:

Site Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes

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): 0.500 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)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		<u>-0.060</u>	minutes
Adjusted Loader Cycle Time:		<u>0.440</u>	minutes
Net Load Time per Truck:		<u>0.980</u>	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.50</u>	Minutes	Adjusted for site altitude:	<u>0.500</u>	Minutes
Truck Load Time:	<u>0.980</u>	Minutes	Adjusted for site altitude:	<u>0.980</u>	Minutes
Truck Maneuver and Dump Time:	<u>0.90</u>	Minutes	Adjusted for site altitude:	<u>0.900</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	5100.00	3.00	3.00	6.00	1171	4.426

Haul Time: **4.426** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	5100.00	-3.00	3.00	0.00	3159	1.744

Return Time: **1.744** minutesTotal Truck Cycle Time: **8.550** minutes

Loading Tool unit

Production 668.92 LCY/Hour Adjusted for job efficiency: 555.20 LCY/Hour
Truck Unit Production 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 COSTFleet size: 1 Team(s) Total job time: **69.75** HoursUnit cost: \$3.985 /LCY Total job cost: **\$154,329**

TRUCK/LOADER TEAM WORKTask description: **Foundations and Buildings - B&G and Topsoil - 8.3k Haul**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A3002 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A3002
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 725
-Loader:	CAT 966H
Support Equipment -Load Area:	Cat D7R DS Series II LGP
-Dump Area:	Cat D7R DS Series II LGP
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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:	\$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	\$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 cost/hour: **\$2,864.46****MATERIAL QUANTITIES**

Initial volume: 2,497 CCY Swell factor: 1.215
 Loose volume: 3,034 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

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 Loader Passes: 16.50 LCY**Loading Tool Capacity**Bucket Size Class: NA

Rated Capacity: 5.000 LCY (heaped)
 Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100
 Adjusted Capacity: 5.500 LCY

Job Condition Corrections:Site Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes**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: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.500 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)
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:		0.440	minutes
Net Load Time per Truck:		0.980	minutes

Truck Cycle Time:

Truck Exchange Time: 0.50 Minutes Adjusted for site altitude: 0.500 Minutes
 Truck Load Time: 0.980 Minutes Adjusted for site altitude: 0.980 Minutes
 Truck Maneuver and Dump Time: 0.90 Minutes Adjusted for site altitude: 0.900 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	8300.00	5.00	3.00	8.00	936	8.915

Haul Time: **8.915** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	8300.00	-5.00	3.00	-2.00	3159	2.709

Return Time: **2.709** minutesTotal Truck Cycle Time: **14.004** minutes

Loading Tool unit

Production	<u>668.92</u>	LCY/Hour	Adjusted for job efficiency:	<u>555.20</u>	LCY/Hour
Truck Unit Production	<u>70.69</u>	LCY/Hour	Adjusted for job efficiency:	<u>58.68</u>	LCY/Hour

Optimal No. of Trucks:	<u>9</u>	Truck(s)	Selected Number of Trucks:	<u>9</u>	Truck(s)
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Adjusted hourly truck team production:	<u>528.08</u>	LCY/Hour
Adjusted single truck/loader team production:	<u>528.08</u>	LCY/Hour
Adjusted multiple truck/loader team production:	<u>528.08</u>	LCY/Hour

JOB TIME AND COST

Fleet size:	<u>1</u>	Team(s)	Total job time:	<u>5.75</u>	Hours
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Unit cost:	<u>\$5.424</u>	/LCY	Total job cost:	<u>\$16,456</u>
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TRUCK/LOADER TEAM WORKTask description: **Foundations and Buildings - B&G and Topsoil - 9.3k Haul**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A3003 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A3003
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 725
-Loader:	CAT 966H
Support Equipment -Load Area:	Cat D7R DS Series II LGP
-Dump Area:	Cat D7R DS Series II LGP
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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:	\$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	\$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 cost/hour: **\$3,081.75****MATERIAL QUANTITIES**

Initial volume: 5,228 CCY Swell factor: 1.215
 Loose volume: 6,352 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

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 Loader Passes: 16.50 LCY**Loading Tool Capacity**Bucket Size Class: NA

Rated Capacity: 5.000 LCY (heaped)
 Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100
 Adjusted Capacity: 5.500 LCY

Job Condition Corrections:Site Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes**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: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.500 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)
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:		0.440	minutes
Net Load Time per Truck:		0.980	minutes

Truck Cycle Time:

Truck Exchange Time: 0.50 Minutes Adjusted for site altitude: 0.500 Minutes
 Truck Load Time: 0.980 Minutes Adjusted for site altitude: 0.980 Minutes
 Truck Maneuver and Dump Time: 0.90 Minutes Adjusted for site altitude: 0.900 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	9300.00	10.00	3.00	13.00	586	15.888

Haul Time: **15.888** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	9300.00	-10.00	3.00	-7.00	3159	3.035

Return Time: **3.035** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **16.47** HoursUnit cost: \$7.990 /LCY Total job cost: **\$50,750**

TRUCK/LOADER TEAM WORKTask description: **Foundations and Buildings - B&G and Topsoil - 10.3k Haul**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A3004 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A3004
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 725
-Loader:	CAT 966H
Support Equipment -Load Area:	Cat D7R DS Series II LGP
-Dump Area:	Cat D7R DS Series II LGP
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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:	\$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	\$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 cost/hour: **\$3,081.75****MATERIAL QUANTITIES**

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

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 Loader Passes: 16.50 LCY**Loading Tool Capacity**Bucket Size Class: NA

Rated Capacity: 5.000 LCY (heaped)
 Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100
 Adjusted Capacity: 5.500 LCY

Job Condition Corrections:Site Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes**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: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.500 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)
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:		0.440	minutes
Net Load Time per Truck:		0.980	minutes

Truck Cycle Time:

Truck Exchange Time: 0.50 Minutes Adjusted for site altitude: 0.500 Minutes
 Truck Load Time: 0.980 Minutes Adjusted for site altitude: 0.980 Minutes
 Truck Maneuver and Dump Time: 0.90 Minutes Adjusted for site altitude: 0.900 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	10300.00	3.00	3.00	6.00	1171	8.866

Haul Time: **8.866** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	10300.00	-3.00	3.00	0.00	3159	3.390

Return Time: **3.390** minutesTotal Truck Cycle Time: **14.636** minutes

Loading Tool unit

Production	<u>668.92</u>	LCY/Hour	Adjusted for job efficiency:	<u>555.20</u>	LCY/Hour
Truck Unit Production	<u>67.64</u>	LCY/Hour	Adjusted for job efficiency:	<u>56.14</u>	LCY/Hour

Optimal No. of Trucks:	<u>10</u>	Truck(s)	Selected Number of Trucks:	<u>10</u>	Truck(s)
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Adjusted hourly truck team production:	<u>561.42</u>	LCY/Hour
Adjusted single truck/loader team production:	<u>555.20</u>	LCY/Hour
Adjusted multiple truck/loader team production:	<u>555.20</u>	LCY/Hour

JOB TIME AND COST

Fleet size:	<u>1</u>	Team(s)	Total job time:	<u>95.67</u>	Hours
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Unit cost:	<u>\$5.551</u>	/LCY	Total job cost:	<u>\$294,824</u>
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TRUCK/LOADER TEAM WORKTask description: **Foundations and Buildings - B&G and Topsoil - 11.4k Haul**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244
 M1980244

PROJECT IDENTIFICATION

Task #: A3005 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A3005
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 725
-Loader:	CAT 966H
Support Equipment -Load Area:	Cat D7R DS Series II LGP
-Dump Area:	Cat D7R DS Series II LGP
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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:	\$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	\$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 cost/hour: **\$2,864.46****MATERIAL QUANTITIES**

Initial volume: 393 CCY Swell factor: 1.215
 Loose volume: 477 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

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 Loader Passes: 16.50 LCY**Loading Tool Capacity**Bucket Size Class: NA

Rated Capacity: 5.000 LCY (heaped)
 Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100
 Adjusted Capacity: 5.500 LCY

Job Condition Corrections:Site Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes**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: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.500 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)
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:		0.440	minutes
Net Load Time per Truck:		0.980	minutes

Truck Cycle Time:

Truck Exchange Time: 0.50 Minutes Adjusted for site altitude: 0.500 Minutes
 Truck Load Time: 0.980 Minutes Adjusted for site altitude: 0.980 Minutes
 Truck Maneuver and Dump Time: 0.90 Minutes Adjusted for site altitude: 0.900 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	11400.00	1.00	3.00	4.00	1817	6.456

Haul Time: **6.456** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	11400.00	-1.00	3.00	2.00	2978	3.973

Return Time: **3.973** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **0.86** HoursUnit cost: \$5.159 /LCY Total job cost: **\$2,464**

TRUCK/LOADER TEAM WORKTask description: **Foundations and Buildings - B&G and Topsoil - 20k Haul**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A3006 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A3006
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 725
-Loader:	CAT 966H
Support Equipment -Load Area:	Cat D7R DS Series II LGP
-Dump Area:	Cat D7R DS Series II LGP
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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:	\$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-ripper:	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:	\$217.29	\$140.88	\$207.78	\$207.78	\$237.06	\$115.35
Number of Units:	2	1	1	1	1	1
Group Subtotals:	Work: \$575.46		Support: \$415.56		Maint: \$352.41	

Total work team cost/hour: **\$1,343.43****MATERIAL QUANTITIES**

Initial volume: 127 CCY Swell factor: 1.215
 Loose volume: 154 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

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 Loader Passes: 16.50 LCY**Loading Tool Capacity**Bucket Size Class: NA

Rated Capacity: 5.000 LCY (heaped)
 Bucket Fill Factor: 1.100 Other - rock/dirt mixtures (100-120%) 1.100
 Adjusted Capacity: 5.500 LCY

Job Condition Corrections:Site Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes**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: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.500 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)
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:		0.440	minutes
Net Load Time per Truck:		0.980	minutes

Truck Cycle Time:

Truck Exchange Time: 0.50 Minutes Adjusted for site altitude: 0.500 Minutes
 Truck Load Time: 0.980 Minutes Adjusted for site altitude: 0.980 Minutes
 Truck Maneuver and Dump Time: 0.90 Minutes Adjusted for site altitude: 0.900 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	20000.00	6.00	3.00	9.00	824	24.308

Haul Time: **24.308** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	20000.00	-6.00	3.00	-3.00	3159	6.527

Return Time: **6.527** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **3.12** HoursUnit cost: \$27.152 /LCY Total job cost: **\$4,190**

TRUCK/LOADER TEAM WORKTask description: **EMP Ponds**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A4000 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A4000
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 740
-Loader:	CAT 988H
Support Equipment -Load Area:	Cat D8T - 8SU
-Dump Area:	Cat D8T - 8SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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: 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

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

Final Truck Volume Based on Number of Loader Passes: 30.36 LCY

Loading Tool Capacity

Bucket Size Class: NA

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 Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes

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): 0.575 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 1/8" to 3/4" diameter -0.02	-0.020	(Cat HB)
Stockpile:	Dumped by truck 0.02	0.020	(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:		-0.080	minutes
Adjusted Loader Cycle Time:		0.495	minutes
Net Load Time per Truck:		1.090	minutes

Truck Cycle Time:

Truck Exchange Time: 0.60 Minutes Adjusted for site altitude: 0.732 Minutes
 Truck Load Time: 1.090 Minutes Adjusted for site altitude: 1.147 Minutes
 Truck Maneuver and Dump Time: 1.00 Minutes Adjusted for site altitude: 1.220 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	4600.00	0.00	3.00	3.00	3005	2.323

Haul Time: **2.323** minutes

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** minutesTotal Truck Cycle Time: **7.120** minutes

Loading Tool unit

Production	<u>969.41</u>	LCY/Hour	Adjusted for job efficiency:	<u>804.61</u>	LCY/Hour
Truck Unit Production	<u>255.86</u>	LCY/Hour	Adjusted for job efficiency:	<u>212.36</u>	LCY/Hour

Optimal No. of Trucks:	<u>4</u>	Truck(s)	Selected Number of Trucks:	<u>4</u>	Truck(s)
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Adjusted hourly truck team production:	<u>849.45</u>	LCY/Hour
Adjusted single truck/loader team production:	<u>804.61</u>	LCY/Hour
Adjusted multiple truck/loader team production:	<u>804.61</u>	LCY/Hour

JOB TIME AND COST

Fleet size:	<u>1</u>	Team(s)	Total job time:	<u>99.08</u>	Hours
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Unit cost:	<u>\$2.630</u>	/LCY	Total job cost:	<u>\$209,648</u>
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TRUCK/LOADER TEAM WORKTask description: **EMP Ponds - Topsoil**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A4001 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A4001
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: **1 per day**

	Equipment Description
Truck Loader Team -Truck:	Cat 740
-Loader:	CAT 988H
Support Equipment -Load Area:	Cat D8T - 8SU
-Dump Area:	Cat D8T - 8SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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: 4,572 CCY Swell factor: 1.215
 Loose volume: **5,555** 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: 87,000 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

Final Truck Volume Based on Number of Loader Passes: 30.36 LCY**Loading Tool Capacity**Bucket Size Class: NA

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 Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes**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: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.575 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 1/8" to 3/4" diameter -0.02	-0.020	(Cat HB)
Stockpile:	Dumped by truck 0.02	0.020	(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:		-0.080	minutes
Adjusted Loader Cycle Time:		0.495	minutes
Net Load Time per Truck:		1.090	minutes

Truck Cycle Time:

Truck Exchange Time: 0.60 Minutes Adjusted for site altitude: 0.732 Minutes
 Truck Load Time: 1.090 Minutes Adjusted for site altitude: 1.147 Minutes
 Truck Maneuver and Dump Time: 1.00 Minutes Adjusted for site altitude: 1.220 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	4600.00	0.00	3.00	3.00	3005	2.323

Haul Time: **2.323** minutes

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** minutesTotal Truck Cycle Time: **7.120** minutes

Loading Tool unit

Production	<u>969.41</u>	LCY/Hour	Adjusted for job efficiency:	<u>804.61</u>	LCY/Hour
Truck Unit Production	<u>255.86</u>	LCY/Hour	Adjusted for job efficiency:	<u>212.36</u>	LCY/Hour

Optimal No. of Trucks:	<u>4</u>	Truck(s)	Selected Number of Trucks:	<u>4</u>	Truck(s)
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Adjusted hourly truck team production:	<u>849.45</u>	LCY/Hour
Adjusted single truck/loader team production:	<u>804.61</u>	LCY/Hour
Adjusted multiple truck/loader team production:	<u>804.61</u>	LCY/Hour

JOB TIME AND COST

Fleet size:	<u>1</u>	Team(s)	Total job time:	<u>6.90</u>	Hours
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Unit cost:	<u>\$2.630</u>	/LCY	Total job cost:	<u>\$14,609</u>
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TRUCK/LOADER TEAM WORKTask description: **Crusher Fuel Island Fresh Water Pond**

Site: **Cresson Project** Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A4002 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A4002
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 740
-Loader:	CAT 988H
Support Equipment -Load Area:	Cat D8T - 8SU
-Dump Area:	Cat D8T - 8SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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: 1,257 CCY Swell factor: 1.000
 Loose volume: **1,257** 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

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

Final Truck Volume Based on Number of Loader Passes: 30.36 LCY**Loading Tool Capacity**Bucket Size Class: NA

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 Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes**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: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.575 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 1/8" to 3/4" diameter -0.02	-0.020	(Cat HB)
Stockpile:	Dumped by truck 0.02	0.020	(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:		-0.080	minutes
Adjusted Loader Cycle Time:		0.495	minutes
Net Load Time per Truck:		1.090	minutes

Truck Cycle Time:

Truck Exchange Time: 0.60 Minutes Adjusted for site altitude: 0.732 Minutes
 Truck Load Time: 1.090 Minutes Adjusted for site altitude: 1.147 Minutes
 Truck Maneuver and Dump Time: 1.00 Minutes Adjusted for site altitude: 1.220 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	4600.00	0.00	3.00	3.00	3005	2.323

Haul Time: **2.323** minutes

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **1.56** HoursUnit cost: \$2.630 /LCY Total job cost: **\$3,306**

TRUCK/LOADER TEAM WORKTask description: **Crusher Fuel Island Fresh Water Pond - Topsoil**

Site: **Cresson Project** Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A4003 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A4003
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 740
-Loader:	CAT 988H
Support Equipment -Load Area:	Cat D8T - 8SU
-Dump Area:	Cat D8T - 8SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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-ripper:	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: 186 CCY Swell factor: 1.215
 Loose volume: **226** 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: 87,000 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

Final Truck Volume Based on Number of Loader Passes: 30.36 LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	<u>9.200</u>	LCY (heaped)
Bucket Fill Factor:	<u>1.100</u>	Other - rock/dirt mixtures (100-120%) <u>1.100</u>
Adjusted Capacity:	<u>10.120</u>	LCY

Job Condition Corrections:

Site Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes

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): 0.575 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 1/8" to 3/4" diameter -0.02	-0.020	(Cat HB)
Stockpile:	Dumped by truck 0.02	0.020	(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:		-0.080	minutes
Adjusted Loader Cycle Time:		0.495	minutes
Net Load Time per Truck:		1.090	minutes

Truck Cycle Time:

Truck Exchange Time:	<u>0.60</u>	Minutes	Adjusted for site altitude:	<u>0.732</u>	Minutes
Truck Load Time:	<u>1.090</u>	Minutes	Adjusted for site altitude:	<u>1.147</u>	Minutes
Truck Maneuver and Dump Time:	<u>1.00</u>	Minutes	Adjusted for site altitude:	<u>1.220</u>	Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0

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	4600.00	0.00	3.00	3.00	3005	2.323

Haul Time: **2.323** minutes

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** minutesTotal 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: **0.28** Hours

Unit cost: \$2.630 /LCY Total job cost: **\$594**

TRUCK/LOADER TEAM WORKTask description: Arequa External Ponds

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A4004 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A4004
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 740
-Loader:	CAT 988H
Support Equipment -Load Area:	Cat D8T - 8SU
-Dump Area:	Cat D8T - 8SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:**Truck/Loader 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
 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

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

Final Truck Volume Based on Number of Loader Passes: 30.36 LCY**Loading Tool Capacity**Bucket Size Class: NA

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 Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes**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: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.575 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 1/8" to 3/4" diameter -0.02	-0.020	(Cat HB)
Stockpile:	Dumped by truck 0.02	0.020	(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:		-0.080	minutes
Adjusted Loader Cycle Time:		0.495	minutes
Net Load Time per Truck:		1.090	minutes

Truck Cycle Time:

Truck Exchange Time: 0.60 Minutes Adjusted for site altitude: 0.732 Minutes
 Truck Load Time: 1.090 Minutes Adjusted for site altitude: 1.147 Minutes
 Truck Maneuver and Dump Time: 1.00 Minutes Adjusted for site altitude: 1.220 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	4600.00	0.00	3.00	3.00	3005	2.323

Haul Time: **2.323** minutes

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** minutesTotal 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 COSTFleet size: 1 Team(s) Total job time: **106.19** HoursUnit cost: \$2.630 /LCY Total job cost: **\$224,688**

TRUCK/LOADER TEAM WORKTask description: **Arequa External Ponds - Topsoil**

Site: **Cresson Project** Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A4005 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A4005
 User: ERR

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Cat 740
-Loader:	CAT 988H
Support Equipment -Load Area:	Cat D8T - 8SU
-Dump Area:	Cat D8T - 8SU
Road Maintenance -Motor Grader:	CAT 16M
-Water Truck:	Water Tanker, 7,000 Gal.

Cost Breakdown:

	Truck/Loader 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: 4,637 CCY Swell factor: 1.215
 Loose volume: **5,634** 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: 87,000 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

Final Truck Volume Based on Number of Loader Passes: 30.36 LCY**Loading Tool Capacity**Bucket Size Class: NA

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 Altitude (ft.): 9500 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 Passes Required to Fill Truck: 3 passes**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: 0.100Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.575 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 1/8" to 3/4" diameter -0.02	-0.020	(Cat HB)
Stockpile:	Dumped by truck 0.02	0.020	(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:		-0.080	minutes
Adjusted Loader Cycle Time:		0.495	minutes
Net Load Time per Truck:		1.090	minutes

Truck Cycle Time:

Truck Exchange Time: 0.60 Minutes Adjusted for site altitude: 0.732 Minutes
 Truck Load Time: 1.090 Minutes Adjusted for site altitude: 1.147 Minutes
 Truck Maneuver and Dump Time: 1.00 Minutes Adjusted for site altitude: 1.220 Minutes

Truck Travel (Haul & Return) Time:
maintained 3.0Road 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	4600.00	0.00	3.00	3.00	3005	2.323

Haul Time: **2.323** minutes

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** minutesTotal 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: **7.00** Hours

Unit cost: \$2.630 /LCY Total job cost: **\$14,816**

TRUCK/LOADER TEAM WORKTask description: **TR124 Carlton Tunnel Pond Cleanout**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A4006 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A4006
 User: ERR

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: 1 per day

Equipment Description	
Truck Loader Team -Truck:	Generic 15-18 cy, 6x4
-Loader:	Cat 320D L 9'-6" Stick
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:

	Truck/Loader Team		Support Equipment		Maintenance 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-ripper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Ripper op. cost/hour:	NA	\$0.00	NA	NA	NA	NA
Operator cost/hour:	\$25.24	\$33.87	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 cost/hour: **\$255.65****MATERIAL QUANTITIES**

Initial volume: 383 CCY Swell factor: 1.250
 Loose volume: **479** LCY

Source of estimated volume: TR124
 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: Clay - Wet
 Rated Payload: 63,980 Pounds

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 Based on Number of Loader Passes: 17.08 LCY

Loading Tool Capacity

Bucket Size Class: Small

Rated Capacity: 0.980 LCY (heaped)
 Bucket Fill Factor: 1.025 Bank Clay; Earth (100%-105%) 1.025
 Adjusted Capacity: 1.005 LCY

Job Condition Corrections:

Site Altitude (ft.): 6900 feet

	Truck	Loader	Source
Altitude Adj:	1.000	0.900	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)

Net Correction:

0.830

0.747

Loading Tool Cycle Time:

Number of Loading Tool Passes Required to Fill Truck: 17 passes

Excavators and Front Shovels:

Machine Cycle Time vs. Job Condition Rating: SEVERE
 Selected Value within this Basic Rating: SEVERE

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): NA minutes

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 Time Adjustment:		NA	minutes
Adjusted Loader Cycle Time:		0.390	minutes
Net Load Time per Truck:		6.340	minutes

Truck Cycle Time:

Truck Exchange Time: 0.50 Minutes Adjusted for site altitude: 0.500 Minutes
 Truck Load Time: 6.340 Minutes Adjusted for site altitude: 7.044 Minutes
 Truck Maneuver and Dump Time: 0.90 Minutes Adjusted for site altitude: 0.900 Minutes

Truck Travel (Haul & Return) Time:

Road Condition: Rutted dirt, little maintenance, no water, 2" tire

penetration 5.0

Haul Route:

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

Haul Time: **0.488** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1560.00	0.00	5.00	5.00	2795	0.592

Return Time: **0.592** minutesTotal 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 Areas - Topsoil - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A5002 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A5002
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$90.24	NA
Operating Cost/Hour:	\$78.95	100
Ripper Ownership Cost/Hour:	\$9.25	NA
Ripper 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 QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 1,431.00 acres Rip Depth (ft): 2.50 Volume: 5,771,700 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 2.45 feet/pass
Average Ripping Width: 6.50 feet/pass
Average Ripping Length: 400.00 feet/pass
Average Dozer Speed: 88.00 feet/minute
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.747 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.747 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: 0.62 Acres/hr
Adjusted Hourly Fleet Production: **0.62** Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **2,308.63** Hours

Unit cost: \$358.524 Per acre Total job cost: **\$513,047**

BULLDOZER RIPPING WORK

Task description: Growth Media Piles - Topsoil - Ripping

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A5003 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A5003
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D7R DS Series II LGP Horsepower: 240
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper Ownership Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper Operating Cost/Hour:	<u>\$5.20</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$222.23</u>	
Total Fleet Cost/Hour:	<u>\$222.23</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 118.80 acres Rip Depth (ft): 2.50 Volume: 479,160 BCY or CCY

Source of estimated quantity: 2022 CC&V Provided Estimate

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 2.45 feet/pass
Average Ripping Width: 6.50 feet/pass
Average Ripping Length: 200.00 feet/pass
Average Dozer Speed: 88.00 feet/minute
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.710 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.710 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: 0.59 Acres/hr
Adjusted Hourly Fleet Production: 0.59 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 201.65 Hours

Unit cost: \$377.214 Per acre Total job cost: \$44,813

BULLDOZER WORKTask description: **Monitoring Well Pads - Topsoil/Regrade - Dozer Spreading**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: A5004 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: A5004
 User: ERR

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:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>25</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour: \$207.78
 Total Fleet Cost/Hour: **\$207.78**

MATERIAL QUANTITIES

Initial Volume: 26,297
 Swell factor: 1.429
 Loose volume: **37,568 LCY**

Source of estimated volume: Assumed 100' x 100' x 12" per each borehole
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
 Unadjusted hourly production: 800.0 LCY/hr

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient: 0 %
 Average site altitude: 9,500 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>0.900</u>	<u>(CAT HB))</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

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

Task description: Monitoring Well Closure

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: A6000 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: A6000
User: ERR
Agency or organization name: DRMS

UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Ancillary Areas (71 Monitoring Holes)	Portland cement grout - 4 in. (labor, equip, materials)	4"	227	16,117.00	LF	\$8.71	\$140,430.64

Job Hours: 167.88 Total Cost: \$140,431.00

REVEGETATION WORKTask description: **Ironclad Mine Area - Revegetation**Site: **Cresson Project**Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B0001
Date: 6/29/2025
User: ERRState: Colorado
County: TellerAbbreviation: None
Filename: B0001Agency 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:	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 WORKTask description: **SGOSA Mine Area - Revegetation**Site: **Cresson Project** Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B0002 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: B0002
User: ERRAgency 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
 Job Hours: 215.30

REVEGETATION WORKTask description: N. Cresson Mine Area - RevegetationSite: Cresson Project Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B0003 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: B0003
User: ERRAgency 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
 Job Hours: 160.90

REVEGETATION WORKTask description: N. Cresson Mine Area - Globe Hill HR - Revegetation

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: 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 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:	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		

REVEGETATION WORKTask description: ECOSA Mine Area - RevegetationSite: Cresson Project Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B0005 State: Colorado Abbreviation: None
Date: 6/29/2025 County: Teller Filename: B0005
User: ERRAgency 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:	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		
Job Hours:	438.60		

REVEGETATION WORKTask description: **E. Cresson Mine Area - Revegetation**Site: **Cresson Project**Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B0006
Date: 6/29/2025
User: ERRState: Colorado
County: TellerAbbreviation: None
Filename: B0006Agency 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: 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
 Job Hours: 386.90

REVEGETATION WORKTask description: **E. Cresson Mine Area - WHEX - Revegetation**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: B0007 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: 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

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: 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**
 Job Hours: **249.60**

REVEGETATION WORKTask description: **E. Cresson Mine Area - Ironclad - Revegetation**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: B0008 State: Colorado Abbreviation: None
 Date: 6/29/2025 County: Teller Filename: 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

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: 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**

REVEGETATION WORKTask description: **M. Cresson Mine Area - 10185 - Revegetation**Site: **Cresson Project** Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B0009 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B0009
User: ERRAgency 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:	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		

REVEGETATION WORKTask description: M. Cresson Mine Area - Ruby Rd - Revegetation

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: B0010 State: Colorado Abbreviation: None
 Date: 6/30/2025 County: Teller Filename: 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

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:	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		
Job Hours:	91.60		

REVEGETATION WORKTask description: **M. Cresson Mine Area - AJAX - Revegetation**

Site: **Cresson Project** Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: B0011 State: Colorado Abbreviation: None
 Date: 6/30/2025 County: Teller Filename: 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

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: 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**

REVEGETATION WORKTask description: **M. Cresson Mine Area - Crusher - Revegetation**Site: **Cresson Project** Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B0012 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B0012
User: ERRAgency 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:	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		
Job Hours:	75.80		

REVEGETATION WORKTask description: **M. Cresson Mine Area - Pit Bottom - Revegetation**Site: **Cresson Project** Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B0013 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B0013
User: ERRAgency 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:	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		

REVEGETATION WORKTask description: M. Cresson Mine Area - S. Cresson HR - Revegetation

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: B0014 State: Colorado Abbreviation: None
 Date: 6/30/2025 County: Teller Filename: 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

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: 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

REVEGETATION WORKTask description: **M. Cresson Mine Area - Cresson HR - Revegetation**Site: **Cresson Project** Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B0015 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B0015
User: ERRAgency 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: 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

REVEGETATION WORKTask description: **Crusher Mine Area - Revegetation**Site: **Cresson Project** Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B0016 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B0016
User: ERRAgency 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:	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		
Job Hours:	53.90		

REVEGETATION WORKTask description: **Crusher Mine Area - Delivery Rd - Revegetation**Site: **Cresson Project** Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B0017 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B0017
User: ERRAgency 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: 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
 Job Hours: 12.80

REVEGETATION WORKTask description: Chicago Mine Area - RevegetationSite: Cresson Project Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B0018 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B0018
User: ERRAgency 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: 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**
 Job Hours: **5.10**

REVEGETATION WORKTask description: **TR133 WHEX Clay Borrow Area - Revegetation**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: B0019 State: Colorado Abbreviation: None
 Date: 6/30/2025 County: Teller Filename: 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

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: 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: \$14,499
 Job Hours: 5.90

REVEGETATION WORKTask description: **TR137 WHEX Clay Borrow Area Expansion**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: B0020 State: Colorado Abbreviation: None
 Date: 6/30/2025 County: Teller Filename: 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

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: 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

REVEGETATION WORKTask description: **TR142 South Cresson Backfill - Revegetation**

Site: **Cresson Project** Permit Action: 2025 Update
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: 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: 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
 Job Hours: 11.00

REVEGETATION WORKTask description: **AGVLF - Revegetation**Site: **Cresson Project** Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B1000 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B1000
User: ERRAgency 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:	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		

REVEGETATION WORKTask description: **SGVLF - Revegetation**Site: **Cresson Project**Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B1001
Date: 6/30/2025
User: ERRState: Colorado
County: TellerAbbreviation: None
Filename: B1001Agency 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: 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**
 Job Hours: **696.70**

REVEGETATION WORKTask description: **Foundations and Buildings - Revegetation**Site: **Cresson Project**Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B2000
Date: 6/30/2025
User: ERRState: Colorado
County: TellerAbbreviation: None
Filename: B2000Agency 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: 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

REVEGETATION WORKTask description: **EMP Ponds - Revegetation**Site: **Cresson Project**Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B3000
Date: 6/30/2025
User: ERRState: Colorado
County: TellerAbbreviation: None
Filename: B3000Agency 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: 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
 Job Hours: 7.10

REVEGETATION WORKTask description: **Crusher Fuel Island Fresh Water Pond - Revegetation**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: B3001 State: Colorado Abbreviation: None
 Date: 6/30/2025 County: Teller Filename: 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

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: 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: \$118.69
 Total Job Cost: \$617
 Job Hours: 0.30

REVEGETATION WORKTask description: **Arequa External Ponds - Revegetation**Site: **Cresson Project** Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B3002 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B3002
User: ERRAgency 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: 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
 Job Hours: 7.10

REVEGETATION WORKTask description: Ancillary Areas - RevegetationSite: Cresson Project Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**

Task #: B4000 State: Colorado Abbreviation: None
 Date: 6/30/2025 County: Teller Filename: 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

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: 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**
 Job Hours: **1,789.00**

REVEGETATION WORKTask description: **Growth Media Piles - Revegetation**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: B4001 State: Colorado Abbreviation: None
 Date: 6/30/2025 County: Teller Filename: 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

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:	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		

REVEGETATION WORKTask description: **Monitoring Well Pads - Revegetation**Site: **Cresson Project**Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**

Task #: B4002 State: Colorado Abbreviation: None
 Date: 6/30/2025 County: Teller Filename: 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

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: 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
 Job Hours: 20.00

REVEGETATION WORKTask description: **E. Cresson Wildhorse - Tree Planting**Site: **Cresson Project** Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B5000 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B5000
User: ERRAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling 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

Application

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 Stock Cost / Acre					\$399.00

JOB TIME AND COST

No. of Acres:	89
Estimated Failure Rate:	25%
*Selected Replanting Work Items:	NURSERY

Cost /Acre:	\$399.00
Cost /Acre*:	\$399.00

Initial Job Cost:	\$35,511.00
Reseeding Job Cost:	\$8,877.75
Total Job Cost:	\$44,389
Job Hours:	111.25

REVEGETATION WORKTask description: N. Cresson - Tree Planting

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: B5001 State: Colorado Abbreviation: None
 Date: 6/30/2025 County: Teller Filename: B5001
 User: ERR

Agency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling 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

Application

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 Stock Cost / Acre					\$399.00

JOB TIME AND COST

No. of Acres:	23
Estimated Failure Rate:	25%
*Selected Replanting Work Items:	NURSERY

Cost /Acre:	\$399.00
Cost /Acre*:	\$399.00

Initial Job Cost:	\$9,177.00
Reseeding Job Cost:	\$2,294.25
Total Job Cost:	\$11,471
Job Hours:	28.75

REVEGETATION WORKTask description: **M. Cresson - Tree Planting**Site: **Cresson Project** Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B5002 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B5002
User: ERRAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling 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

Application

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 Stock Cost / Acre					\$399.00

JOB TIME AND COST

No. of Acres:	<u>59</u>	Cost /Acre:	<u>\$399.00</u>
Estimated Failure Rate:	<u>25%</u>	Cost /Acre*:	<u>\$399.00</u>
*Selected Replanting Work Items:	<u>NURSERY</u>		
Initial Job Cost:	<u>\$23,541.00</u>		
Reseeding Job Cost:	<u>\$5,885.25</u>		
Total Job Cost:	<u>\$29,426</u>		
Job Hours:	<u>73.75</u>		

REVEGETATION WORKTask description: **E. Cresson - Tree Planting**

Site: **Cresson Project** Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: B5003 State: Colorado Abbreviation: None
 Date: 6/30/2025 County: Teller Filename: B5003
 User: ERR

Agency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling 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

Application

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 Stock 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**
 Job Hours: **286.25**

REVEGETATION WORKTask description: Squaw OSA - Tree PlantingSite: Cresson Project Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B5004 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B5004
User: ERRAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling 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

Application

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 Stock 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**

REVEGETATION WORKTask description: **Arequa - Tree Planting**Site: **Cresson Project** Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B5005 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B5005
User: ERRAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling 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

Application

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 Stock 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
 Job Hours: 143.75

REVEGETATION WORKTask description: Squaw - Tree PlantingSite: Cresson Project Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B5006 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B5006
User: ERRAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling 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

Application

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 Stock Cost / Acre					\$399.00

JOB TIME AND COST

No. of Acres:	85
Estimated Failure Rate:	25%
*Selected Replanting Work Items:	NURSERY

Cost /Acre:	\$399.00
Cost /Acre*:	\$399.00

Initial Job Cost:	\$33,915.00
Reseeding Job Cost:	\$8,478.75
Total Job Cost:	\$42,394
Job Hours:	106.25

REVEGETATION WORKTask description: Mill Platform - Tree PlantingSite: Cresson Project Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B5007 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B5007
User: ERRAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling 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

Application

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 Stock Cost / Acre					\$399.00

JOB TIME AND COST

No. of Acres:	35
Estimated Failure Rate:	25%
*Selected Replanting Work Items:	NURSERY

Cost /Acre:	\$399.00
Cost /Acre*:	\$399.00

Initial Job Cost:	\$13,965.00
Reseeding Job Cost:	\$3,491.25
Total Job Cost:	\$17,456
Job Hours:	43.75

REVEGETATION WORKTask description: **Victor & Ironclad - Tree Planting**Site: **Cresson Project**Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B5008State: ColoradoAbbreviation: NoneDate: 6/30/2025County: TellerFilename: B5008User: ERRAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling 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

Application

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 Stock 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**

REVEGETATION WORKTask description: **Building Footprint - Tree Planting**Site: **Cresson Project**Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B5009
Date: 6/30/2025
User: ERRState: Colorado
County: TellerAbbreviation: None
Filename: B5009Agency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling 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

Application

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 Stock Cost / Acre					\$399.00

JOB TIME AND COST

No. of Acres:	87
Estimated Failure Rate:	25%
*Selected Replanting Work Items:	NURSERY

Cost /Acre:	\$399.00
Cost /Acre*:	\$399.00

Initial Job Cost:	\$34,713.00
Reseeding Job Cost:	\$8,678.25
Total Job Cost:	\$43,391
Job Hours:	108.75

REVEGETATION WORKTask description: Ancillary - Tree PlantingSite: Cresson Project Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: B5010 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: B5010
User: ERRAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling 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

Application

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 Stock 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												
	AM13	2025	2026	2027	2028	2029	2030					
% inflation	-	25.10%	28.08%	31.06%	34.04%	37.02%	40.00%	Task #	Form Used	Revision #/ Source		PDF Page
Rinse 1	\$20,843,995.00	\$26,075,837.75						C0001	User Provided	AM13		10
Rinse 2	\$20,843,995.00			\$27,318,139.85				C0002	User Provided	AM13		10
Rinse 3	\$19,603,000.00					\$26,860,030.60		C0003	User Provided	AM13		10

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 #/ Source	PDF Page
% inflation	-	25.10%	26.59%	28.08%	29.57%	31.06%	32.55%	34.04%	35.53%	37.02%	Task #	Form Used		
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".

	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

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.

Rinse 1

Apply inflation from AM13 to 2025

https://www.bls.gov/data/inflation_calculator.htm

25.10%

Rinse 2 & 3

Apply Avg inflation 2013-2025

<https://data.bls.gov/pdq/SurveyOutputServlet>

2.98%

6 months: 1.49%

CPI Inflation Calculator

\$

in

has the same buying power as

in

Calculate

12-Month Percent Change

Series Id: CUUR0000SA0L1E,CUUS0000SA0L1E

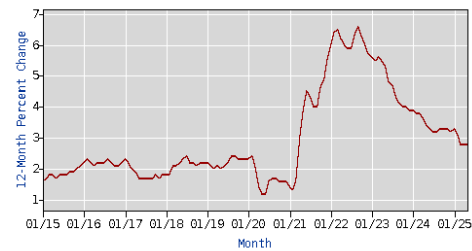

Not Seasonally Adjusted

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:  [.xlsx](#)[illegible]

DEMOLITION WORK

Task description: Foundations and Building Area

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: D0001 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: D0001
User: ERR

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 87.90 %

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 Access 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

		push				
Auxiliary A - Bldg	66x20x10	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

		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

Job Hours:	7,726.00	Subtotal (unadjusted):	\$9,794,798.54	Total Cost (adjusted for location):	\$8,609,627.92
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DEMOLITION WORK

Task description: Conveyors and LOB, Septic System, Tire Demo

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: D1000 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: D1000
User: ERR

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 87.90 %

Structure or Item Description	Dimensions	Demolition Menu 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
Product 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' Length	33.30	EA	\$3,475.00	\$115,717.50

		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, Microencapsulate, 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

Job Hours: 200.00

Subtotal (unadjusted): \$831,060.00

Total Cost (adjusted for location): \$730,501.74

DEMOLITION WORK

Task description: Waste and Tank Disposal

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: D2000 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: D2000
User: ERR

Agency or organization 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 2,500 gal.)	9,369.00	GAL	\$1.98	\$18,560.93
Carbon 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
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 Remnant Waste	1	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	1.00	EA	\$432.00	\$432.00
Pre-Dryer - Remove/Haul Bulk Waste	8,738 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	65,365.00	GAL	\$1.98	\$129,494.60
Pre-Dryer - 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
Victor Fresh Water - Dispose Tank	6,842 CF	Load/haul/dump demolished materials/debris into pit - Max. 10,000 ft. haul	254.00	CY	\$2.09	\$530.61
Detox - 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
Detox - Remove/Haul Bulk Waste	1,413 CF	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	10,570.00	GAL	\$1.98	\$20,940.23
Detox - 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
Pregnant Solution Tanks - Remove Remnant Waste	4	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	4.00	EA	\$432.00	\$1,728.00
Pregnant Solution Tanks - Dispose Tank	4	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	4.00	EA	\$1,050.00	\$4,200.00
Fire Water - Dispose Tank	11,083 CF	Load/haul/dump demolished materials/debris into pit - Max. 10,000 ft. haul	411.00	CY	\$2.09	\$858.58
Bulk Storage - Remove Remnant Waste	4	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	4.00	EA	\$432.00	\$1,728.00
Bulk Storage - Remove/Haul Bulk Waste	9,236 CF Ea	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	69,090.00	GAL	\$1.98	\$136,874.20
Bulk Storage - Dispose Tank	4	Haul tank to certified salvage dump - 9,000 to 12,000 gal. tank	4.00	EA	\$1,050.00	\$4,200.00
SST Solution - 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
SST Solution - Remove/Haul Bulk Waste	3,392 CF Ea	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	50,748.00	GAL	\$1.98	\$100,536.86
SST Solution - Dispose Tank	2	Haul tank to certified salvage dump - 9,000 to	2.00	EA	\$1,050.00	\$2,100.00

		12,000 gal. tank				
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 - Dispose Tank	1	Haul tank to certified salvage dump - 6,000 to 8,000 gal. tank	1.00	EA	\$880.00	\$880.00
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

		gal.				
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
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 Stabilization - 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 Stabilization - 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 - 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
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	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
PSE Conditioning 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 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 gal.	1.00	EA	\$259.50	\$259.50
on-road diesel tank - Dispose Tank	1	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 gal.	1.00	EA	\$259.50	\$259.50
oil water separator	535 CF	Hazardous waste	4,000.00	GAL	\$1.98	\$7,924.40

tank - Remove/Haul Bulk Waste		removal - Bulk liquids, large quantities (over 2,500 gal.)				
oil water separator tank - Dispose Tank	1	Haul tank to certified salvage dump - 3,000 to 5,000 gal. tank	1.00	EA	\$760.00	\$760.00
Dispose Hazardous Materials	440,000 Gal	Hazardous waste removal - Bulk liquids, large quantities (over 2,500 gal.)	440,000.00	GAL	\$1.98	\$871,684.00
Lump Sum 11-Demo PCS @ Fuel Island Plus 12% location adjustment	NA	USER PROVIDED ITEM	1.12	EA	\$113,506.00	\$127,126.72
Carbon in ADR Columns - Remove Remnant Waste	45 columns	Remove sludge, water, and rem. product from tank - 9,000 to 12,000 gal.	45.00	EA	\$432.00	\$19,440.00
Carbon in ADR Columns - Remove/Haul Bulk Waste	45 x 5 Tons Carbon	Hazardous waste removal - Bulk solids, large quantities (over 1.5 tons)	225.00	TON	\$1,159.26	\$260,832.44

Job Hours: 160.00Subtotal
(unadjusted): \$3,842,419.03Total Cost
(adjusted for location): \$3,377,486.33

DEMOLITION WORK

Task description: **Fence and Culvert Demo**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: D3000 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: D3000
User: ERR

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 87.90 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Arequa Fence 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 Fence Removal	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
Ironclad Culvert 3	80 ft	Pipe, corrugated metal (CMP) - 24 in. diameter pipe	80.00	LF	\$10.60	\$847.61
Ironclad Culvert 4	80 ft	Pipe, corrugated metal (CMP) - 24 in. diameter pipe	80.00	LF	\$10.60	\$847.61

Job Hours: 60.00 **Subtotal**
(unadjusted): \$46,756.49 **Total Cost**
(adjusted for location): \$41,098.95

DEMOLITION WORK

Task description: Fence Installation (RS Means 32 31 13.20 0920)

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: D4000 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: D4000
User: ERR

Agency or organization name: DRMS

UNIT COSTS

Location 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 Total Cost (adjusted for location): \$1,951,132.68

DEMOLITION WORK

Task description: Pipe Demo

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: D5000 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: D5000
User: ERR

Agency or organization 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

Job Hours: 80.00

Subtotal
(unadjusted): \$644,928.40

Total Cost
(adjusted for location): \$566,892.06

DEMOLITION WORK

Task description: **Power Line Demo**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: D6000 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: D6000
User: ERR

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 100.00 %

Structure or Item Description	Dimensions	Demolition Menu 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
Crusher and ADR1 Lines (Double Pole)	1.9 mi	USER PROVIDED ITEM	1.00	Ea	\$106,333.00	\$106,333.00

Job Hours: <u>80.00</u>	Subtotal (unadjusted): <u>\$453,431.00</u>	Total Cost (adjusted for location): <u>\$453,431.00</u>
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SITE MAINTENANCE

Task description: **Vegetation Survey**

Site: **Cresson Project** Permit Action: 2025 Update
M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

Task #: E0002 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: E0002
User: ERR

Agency or organization name: DRMS

UNIT COSTS

Maintenance Item	Hours per Year	Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Vegetation Survey - Field Work	50.00	USER PROVIDED ITEM	500.00	HR	\$132.56	\$66,280.00
Vegetation Survey - Reporting	16.00	USER PROVIDED ITEM	160.00	HR	\$132.56	\$21,209.60
Vegetation Survey - Travel	10.00	USER PROVIDED ITEM	100.00	HR	\$132.56	\$13,256.00
Vegetation Survey - Equipment	1.00	USER PROVIDED ITEM	1.00	EA	\$13,485.00	\$13,485.00

Job Hours: **760.00**

Total Cost: **\$114,230.60**

REVEGETATION WORKTask description: Site-wide Weed ControlSite: Cresson Project Permit Action: 2025 Update
M1980244Permit/Job#: M1980244**PROJECT IDENTIFICATION**Task #: E0003 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: E0003
User: ERRAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$338.80

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
			\$
Totals Seed Mix	0.00	0.00	\$0.00

Application

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
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 Stock 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: **\$804,175**
 Job Hours: **160.00**

DRILLING EQUIPMENT

Task description: Perforate VLF Liner (6,000 LF)

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: E2000 State: Colorado Abbreviation: None
Date: 6/30/2025 County: Teller Filename: E2000
User: ERR

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Make and Model: Atlas Capco DM45/LP - 7-7/8" Horsepower: 519.00
Attachment 1: Clear water pump station, 225 psi Shift Basis: 1 per day
Attachment 2: Mud service pump station, 225 psi Weight: 45.25
Labor Unit 1: Driller - Caisson Drill (US Tons)
Labor Unit 2: Laborer - Caisson Drill

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$311.69</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$295.38</u>	<u>100</u>
Operator Cost/Hour:	<u>\$78.71</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$685.78</u>	

Total Fleet Cost/Hour: \$685.78

JOB TIME AND COST

Fleet size: 1 Equipment Set(s) Total job time: 690.00 Hours

Unit cost: \$685.78 /Hour Total job cost: \$473,188

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Initial Mobilization**

Site: **Cresson Project** Permit Action: 2025 Update M1980244 Permit/Job#: M1980244

PROJECT IDENTIFICATION

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 Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D7R DS Series II LGP	38.49	\$99.49	\$122.78	2	\$444.54	\$245.56	\$500.00
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 L2350	293.90	\$635.29	\$125.64	2	\$1,521.86	\$251.28	\$500.00
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, 141', 54.4 MT	39.30	\$167.54	\$122.78	2	\$580.64	\$245.56	\$500.00
Grove RT650E, 105', 45.4 MT	28.74	\$189.03	\$122.78	4	\$1,247.24	\$491.12	\$1,000.00
Broderson IC-200-3F, 59', 13.6MT	13.75	\$87.23	\$59.44	8	\$1,173.36	\$475.52	\$500.00
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 Seeder with Tractor	25.00	\$41.02	\$59.44	2	\$200.92	\$118.88	\$500.00
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:	\$28,205.46	\$10,944.32	\$24,250.00
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ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip 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. Crew	\$68.74	30	\$2,062.20	\$2,062.20
Water Tanker, 3,500 Gal.	\$75.02	2	\$150.04	\$150.04

Subtotals:	\$3,525.20	\$3,525.20
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EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>COLORADO SPRINGS</u>	
Total one-way travel distance:	<u>52.00</u>	miles
Average Travel Speed:	<u>45.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$195,390.41</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$8,147.13</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>1.16</u>	<u>1.16</u>
Return Time (Hours):	<u>1.16</u>	<u>1.16</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>3.31</u>	<u>2.31</u>

JOB TIME AND COST

Total job time:	<u>6.62</u>	Hours
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Total job cost:	<u>\$203,538</u>
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EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Site Maintenance Yr 1-14 (combined)

Site: Cresson Project Permit Action: 2025 Update Permit/Job#: M1980244
M1980244

PROJECT IDENTIFICATION

Task #: F0002 State: Colorado Abbreviation: None
 Date: 6/30/2025 County: Teller Filename: F0002
 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/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	2	\$200.92	\$118.88	\$500.00
Hydroseeder with Tractor	28.00	\$45.21	\$122.78	2	\$335.98	\$245.56	\$500.00
SCHRAMM T145EX	46.00	\$244.29	\$122.78	2	\$734.14	\$245.56	\$500.00

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. Crew	\$68.74	178	\$12,235.72	\$12,235.72
Water Tanker, 3,500 Gal.	\$75.02	9	\$675.18	\$675.18

Subtotals: **\$12,910.90** **\$12,910.90**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>COLORADO SPRINGS</u>	
Total one-way travel distance:	<u>52.00</u>	miles
Average Travel Speed:	<u>45.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$9,889.37</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$29,838.52</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>1.16</u>	<u>1.16</u>
Return Time (Hours):	<u>1.16</u>	<u>1.16</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>3.31</u>	<u>2.31</u>

JOB TIME AND COST

Total job time:	<u>6.62</u>	Hours
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Total job cost:	<u>\$39,728</u>
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EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **TR124 Carlton Tunnel Pond Cleanout - Mob**

Site: **Cresson Project** Permit Action: 2025 Update 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/unit	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. Crew	\$68.74	4	\$274.96	\$274.96
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:	<u>COLORADO SPRINGS</u>	
Total one-way travel distance:	<u>61.00</u>	miles
Average Travel Speed:	<u>30.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$4,284.49</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$3,219.01</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>2.03</u>	<u>2.03</u>
Return Time (Hours):	<u>2.03</u>	<u>2.03</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>5.07</u>	<u>4.07</u>

JOB TIME AND COST

Total job time: 10.13 Hours

Total job cost: \$7,504