



~-	L3 MAP 1 LINEATION MAP
DESIGNED BY: MLK	COUNTRY: USA
DRAWN BY: MLK	STATE/PROVINCE: COLORADO
APPROVED BY:	GSC: 6N 88W
DATE: 2023-09-01	DRAWING/SHEET: 1 of 1
SCALE:	C.I.: 0'

COST SUMMARY WORK

Task descri	ption:						
Site: Hayden	Gulch Loadout	Per	mit Action:	SL3	Permit/Jol	o#: <u>C1992081</u>	
PROJECT Task #: Date: User:		<u>FION</u> State: County: 	Colorado Routt		Abbreviation: Filename:	None C081-000	

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
002	Regrade Rail Spur 10% remaining	DOZER	1	10.99	\$4,446
015	Finish Grade Remaining Disturbed Area	GRADER	1	1.81	\$502
020	Regrade Remaining Ditches	DOZER	1	1.68	\$681
025	Replace Topsoil on Rail Spur	SCRAPER1	1	2.59	\$2,939
031	Drill Seed Mix #1	REVEGE	1	5.00	\$3,546
033	Drill Seed Mix #3	REVEGE	1	5.00	\$3,656
041	Site Maintenance over 10 year liability period	SITEMAINT ENANCE	1	20.00	\$3,673
045	Mob/Demob equip. for Reclamation of Loadout Area	MOBILIZE	1	3.60	\$9,203
		<u>SUBTO</u>	TALS:	50.67	\$28,646

INDIRECT COSTS

OVERHEAD AND PROFIT:

2.02	Total =	\$579
1.05	Total =	\$301
29.83	Total =	\$1,941
10.00	Total =	\$2,865
	TOTAL O & P =	\$5,685
	CONTRACT AMOUNT (direct + O & P) =	\$34,331
	1.05 29.83	1.05 Total = 29.83 Total =

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	6.00	Total =	\$2,060
Reclamation management and/or administration:	4.50		\$1,545
CONTINGENCY:	0.00	Total =	\$0
	TOTAL I	NDIRECT COST =	\$9,790
TOTAL BO	ND AMOUNT (direct + indirect) =	\$38,436

Page 1 of 2

BULLDOZER WORK

Task description:	Regrae	le Rail Sp	ur 10% rem	aining			
Hayden Gulch I	oadout	Per	mit Action:	SL3		Permit/Job#:	C1992081
PROJECT IDEN	TIFICATIO	N					
Task #: 002		State:	Colorado			Abbreviation:	None
	2/2023	County:	Routt			Filename:	002
	46 PM					-	
User: HR1							
Agency or	organization na	me: DF	RMS				
HOURLY EQUI	PMENT COS	<u>5T</u>					
Basic Machine:	Cat D10T - 1	0SU					
Horsepower:	574			_			
Blade Type:	Semi-Univers	sal					
Attachment:	3-shank rippe	r					
Shift Basis:	1 per day			_			
Data Source:	(CRG)			_			
Cost Breakdown:							
					zation %		
Ownership Cost/H			\$178.69		NA		
Operating Cost/H			\$160.22		100		
Ripper own. Cost/H			\$24.49		NA		
Ripper op. Cost/H			\$0.00		0		
Operator Cost/H	lour:		\$41.30		NA		
MATERIAL QU Initial Volume:	8,000						
Swell factor: Loose volume:	1.125 9,000 LCY						
Source of estimated	-		of Reclamation	on, Mining &	k Safety		
Source of estimated	swell factor:	Cat Hand	book				
HOURLY PROL	DUCTION						
Average push dista	nce: 1	00 feet					
Unadjusted hourly		,718.9 LC	Y/hr				
Materials consisten	cy description:	Compa	cted fill or en	ıbankment ().9		
Average push gradi	ent: -10 %						
Average site altitud		eet					
Material weight:	2,650 lb	os/LCY					
Weight description:	Decom	osed rock	- 25% Rock,	75% Earth			
Job Condition Corre					C		
0				1	Source		
	rator Skill:		750		(AVG.)		
Material co		0.	750 900 000	(

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:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production:	819.23 LCY/hr
Adjusted fleet production:	819.23 LCY/hr

Fleet size:	1 Dozer(s)
Unit cost:	\$0.494/LCY

Total job time:	10.99 Hours
Total job cost:	\$4,446

MOTOR GRADER WORK

Hayden Gulch Loadout Permit Action: SL3 Permit/Job#: C192081 PKDIECT IDENTIFICATION Task #: 015 State: Colorado Abbreviation: None Task #: 015 County: Routt Filename: 015 User: IRI	Task description:	Finish Grade Re	maining Dis	turbed Area			
Task #: 015 None Date: 10/12/2023 County: Routt Filename: 015 Date: 1181 Routt Filename: 015 Agency or organization name: DRMS DOURLY EQUIPMENT COST Basic Machine: CAT 14M Horsepower: 259 Mile:Shank Ripper Shift Basis: 1 per day Observation: S279 100 Cost Breakdown: Utilization % NA Operating Cost/Hour: 528.53 NA Operating Cost/Hour: 5276.51 Total Unit Cost/Hour: 5276.51 Total Unit Cost/Hour: 5276.51 acres Source of estimated acreage: Remaining disturbed area near Hwy 40 MULI Area to be graded or ripped: 3.00 acres Source of estimated acreage: Finish grading (0-2.5 mph) - 1.5 Selected Blade Acrege: 2.00 feet degrees Effective Blade Length: 12.10 feet feet Vieht of blade coverdap per pass: 2.00 feet degrees Unadjusted Hourly Unit Production: 1.856	: _Hayden Gulch Loa	dout Per	mit Action:	SL3	Per	mit/Job#:	C1992081
Date: 10/12/2023 County: Routt Filename: 015 321:06 PM	PROJECT IDENT	IFICATION					
<u>3:21:06 PM</u> User: <u>HR1</u> Agency or organization name: <u>DRMS</u> HOURLY EQUIPMENT COST Basic Machine: <u>CAT 14M</u> Multi-Shank Ripper Binif Basis: Der dag <u>Data Source:</u> COST <u>Operating Cost/Hour:</u> <u>Operating Cost/Hour:</u> <u>\$149.33</u> <u>NA</u> <u>Operating Cost/Hour:</u> <u>Operating Cost/Hour:</u> <u>\$28.56</u> NA <u>Operating Cost/Hour:</u> <u>Operating Cost/Hour:</u> <u>\$276.51</u> Total Unit Cost/Hour: <u>\$276.51</u> Total Fleet Cost/Hour: <u>\$276.51</u> Total Cost Hour: <u>\$276.51</u> Data Source of estimated acreage: <u>Remaining disturbed area near Hwy 40</u> HOURLY PRODUCTION Merge Grader Speed: <u>1.50</u> mph) - 1.5 Selected Application: Finish grading (0-2.5 mph) - 1.5 Selected Ibade Angle: <u>30</u> degrees Selected Ibade Angle: <u>30</u> degrees </th <th>Task #: 015</th> <th>State:</th> <th>Colorado</th> <th></th> <th>Abbre</th> <th>viation:</th> <th>None</th>	Task #: 015	State:	Colorado		Abbre	viation:	None
User: IRI Agency or organization name: DRMS HOURLY EOUIPMENT COST Basic Machine: CAT 14M Horsepower: 259 Shift Basis: I per day Data Source: (CRG) Cost Breakdown: \$149.3 Willization % NA Operating Cost/Hour: \$52.79 100 \$149.3 Ripper Ownership Cost/Hour: \$52.83 NA Operating Cost/Hour: \$228.56 NA Operating Cost/Hour: \$228.56 Na Operating Cost/Hour: \$276.51 Total Unit Cost/Hour: Total Fleet Cost/Hour: \$2276.51 MATERIAL OUNTITIES Marrage Grader Speed: I.50 mph Source of estimated acreage: Remaining disturbed area near Hwy 40 Morrage Grader Speed: 1.50 feet MURLY PRODUCTION Marrage Grader Speed: Toil degrees feet Multivalia Area to be graded on rippes: 2.00 feet Width of blade overlap per pass: 10.10 geres/hour geres/hour feet Vidth of blade overlap pe			Routt		Fi	lename:	015
HOURLY EQUIPMENT COST Basic Machine: CAT 14M indivision: Multi-Shank Ripper Basic Machine: Multi-Shank Ripper Cost Breakdown: Shift Basis: Ownership Cost/Hour: S149.33 Ownership Cost/Hour: S149.33 Proper Ownership Cost/Hour: S149.33 Ripper Operating Cost/Hour: S149.33 Proper Ownership Cost/Hour: S28.56 Na Operator Cost/Hour: S28.56 NA Operator Cost/Hour: S276.51 Total Vinit Cost/Hour: S276.51 Total Fleet Cost/Hour: S276.51 Total Fleet Cost/Hour: S276.51 Total Area to be graded or ripped: 3.00 acres Source of estimated acreage: Remaining disturbed area near Hwy 40 HOTELY PRODUCTION Average Grader Speed: 1.50 mph Selected Balade Angle: 30 degrees Effective Blade Length: 12.10 feet Vidth of blade overlap per pass: 2.00 feet feet Stelected Bala in the part set 10.10 feet Otodition Correction Factors <td< td=""><td></td><td>PM</td><td></td><td></td><td></td><td></td><td></td></td<>		PM					
Basic Machine: CAT 14M Horsepower: 259 Ripper Attachment: Multi-Shank Ripper Data Source: 1 per day Cost CRG) Na Na Operating Cost/Hour: \$149.33 NA Na Operating Cost/Hour: \$149.33 NA Na Operating Cost/Hour: \$5.83 NA Na Operating Cost/Hour: \$28.55 NA Na Operating Cost/Hour: \$276.51 Total Unit Cost/Hour: \$276.51 Total Peter Cost/Hour: \$276.51 acres Source of estimated acreage: Remaining disturbed area near Hwy 40 MUCHY PRODUCTION Mage Grader Speed: 1.50 mph Source of estimated acreage: 1.50 feb Effective Blade Length: 12.10 feet 30 degrees 6 6000 feet 1.50 feet 1.50 feet feet 1.50 feet 1.50 feet 1.50 feet feet 1.50 feet feet 1.50 feet	Agency or or	ganization name: DI	RMS				
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Cost Breakdown: Utilization %			pper				
Mathematical control of the state of th					Data Source:	-	
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	JOB TIME AND C	<u>COST</u>					
Unit cost:\$167.31per acreTotal job cost:\$502	Fleet size:	1 Grader(s)		Total job time	e: 1.82		Hours
	Unit cost: \$	167.31 per acre		Total job cos	st: \$502		

BULLDOZER WORK

Task description:	Regra	ade Remain	ing Ditches			
Hayden Gulch I	Loadout	Peri	mit Action:	SL3	Permit/Job#:	C1992081
PROJECT IDEN	NTIFICATIO	<u>DN</u>				
Task #: 020		State:	Colorado		Abbreviation:	None
	2/2023	County:	Routt		Filename:	020
	14 PM				-	
User: HR1						
Agency of	r organization 1	name: DR	MS			
HOURLY EQUI	PMENT CO	ST				
Basic Machine:	Cat D10T -	10SU				
Horsepower:	574			-		
Blade Type:	Semi-Unive	rsal		-		
Attachment:	3-shank ripp	ber		_		
Shift Basis:	1 per day			_		
Data Source:	(CRG)			-		
Cost Breakdown:			1			
	F		¢170.00	<u>Utilization %</u>		
Ownership Cost/H Operating Cost/H			\$178.69 \$160.22	<u>NA</u> 100		
Ripper own. Cost/H			\$24.49	NA		
Ripper op. Cost/H			\$0.00	0		
Operator Cost/H			\$41.30	NA		
MATERIAL QU	ANTITIES					
Initial Volume:	1,000					
Swell factor:	1.125					
Loose volume:	1,125 LCY					
Source of estimated	l volume:	Division	of Reclamation	n, Mining & Safety		
Source of estimated		Cat Hand				
HOURLY PROI	DUCTION					
Average push dista		100 feet				
Unadjusted hourly	production:	1,718.9 LC	Y/hr			
Materials consisten	cy description:	Compa	cted fill or em	bankment 0.9		
Average push gradi Average site altitud		feet				
Material weight:	2,650	lbs/LCY				
Weight description	Decon	posed rock	- 25% Rock, 7	75% Earth		
weight description						
Job Condition Corr				Source		
Job Condition Corr Ope	ection Factor erator Skill:		750	(AVG.)		
Job Condition Corr Ope Material c	ection Factor	0.	750 900 000			

Task # 020

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:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production:	668.65 LCY/hr
Adjusted fleet production:	668.65 LCY/hr

Fleet size:	1 Dozer(s)
Unit cost:	\$0.605/LCY

Total job time:	1.68 Hours
Total job cost:	\$681

SCRAPER TEAM WORK

Site: Hayden Gulch	1 Loadout	Permi	t Action:	SL3	Perr	nit/Job#:	C1992	081
PROJECT ID	ENTIFICATION							
Task #: 025	5	State:	Colorado		Abbrev	viation:	None	
	12/2023 C 1:40 PM	ounty:	Routt		File	ename:	025	
User: HR						-		
	or organization nam	e: DRM	1S					
HOURLY EQ	UIPMENT_			COSTShit	t basis: <u>1 per d</u>	a <u>y</u>		
				ent Description				
		-Scraper: -Dozer:	Cat 637 NA	G w/push-pull				
Su	pport Equipment -Lo		NA					
	-Du	mp Area:	NA					
Road	Maintenance – Moto		NA					
	-wat	er Truck:	NA					
Cost Breakdown	: Scraper W	ork Team		Support Equipn	nent	Main	tenance	Equipment
	Scraper		ozer	Load Area	Dump Area	Motor (Water Ti
%Utilization-machir	ie: 100		NA	NA	NA		NA	
Ownership cost/hou	ır: \$255.23		NA	NA	NA		NA	
Operating cost/hou	ır: \$280.59		NA	NA	NA		NA	
%Utilization-rippe	er: NA		NA	NA	NA		NA	
Ripper own. cost/hou	ır: NA		NA	NA	NA		NA	
Ripper op. cost/hou	ır: NA		NA	NA	NA		NA	
Operator cost/hou			NA	NA	NA		NA	
Unit Subtota	ls: \$566.72		NA	NA	NA		NA	
Number of Uni			0	0	0		0	
Group Subtota	ls: Work:	\$1,13	33.44	Support:	\$0.00	-	Maint:	\$0.00
<u>MATERIAL (</u>			COV	G	1 125			
Initial volur Loose volur			CCY LCY	Swell factor	: 1.125			
	Source of estimated	volume		of Reclamation, Mi	ning & Safaty			
	rce of estimated swel	-	Cat Hand					
HOURLY PRO	DDUCTION							
				-	vl (volume) Basi	<u>s:</u>		
Material weig		kad		Struck Vo Heaped Vo				CY
	DU: Earth - Dry nac	кеа		Heaped Vo	olume: 34.00			CY
Material description Rated Paylor		neu		Average Vo			Τſ	CY

<u>1.00</u> Minutes

<u>0.60</u> Minutes

Cycle Time:

Scraper Loading Time: Maneuver and Spread Time:

Job Condition Correction:

Site Altitude: 6400 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	NA	(CAT HB)
Job Efficiency:	0.830	NA	(CAT HB)
Net Correction:	0.830	NA	

Travel Time:

Road Condition: <u>Rutted dirt, little maintenance, no water, 1" tire penetration 4.0</u>

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	7200.00	3.00	4.00	7.00	1362	5.36

Haul Time: **5.36** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	7200.00	-3.00	4.00	1.00	2963	2.55

Return Time:	2.55	minutes
Total Scraper team cycle time:	9.51	minutes
Adjusted for job conditions:	303.72	LCY/Hour
Selected Number of Scrapers:	2	Scraper(s)
Adjusted single scraper team (unit) hourly production:	303.72	LCY/Hour
Adjusted multiple scraper team (fleet) hourly production:	303.72	LCY/Hour
Unadjusted unit production (hours 265.02 ICV/IIour		

Unadjusted unit production/hour: 365.93 LCY/Hour Optimal Number of Scrapers per push dozer:

Fleet size:	1	Team(s)	Total job time:	2.59	Hours
Unit cost:	\$3.732	/LCY	Total job cost:	\$2,939	_

REVEGETATION WORK

Task descri	ption:	Drill Seed Mix #1				
Site: Hayden	Gulch Loadou	t Perm	nit Action:	SL3	Permit/Jo	b#: <u>C1992081</u>
PROJECT	<u>IDENTIFIC</u>	ATION				
Task #:	031	State:	Colorado		Abbreviation:	None
Date:	10/12/2023	County:	Routt		Filename:	031
	3:20:01 PM					
	HR1					

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Triple superphosphate, 0-46-0	50.00	pound	\$0.89	\$44.50
			Total Fertilizer Materials Cost/Acre	\$44.50

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$41.82
	Total Fertilizer Application Cost/Acre	\$41.82

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$112.82
Total Tilling Cost/Acre	\$112.82

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Arrowleaf Balsamroot	0.50	0.62	\$35.10
Alpine Fescue	0.10	2.98	\$1.81
Big Bluegrass - Sherman	0.10	2.07	\$0.85
Bitterbrush, Antelope	1.00	0.31	\$19.50
Barley - Steptoe	20.00	6.43	\$12.60
Orchardgrass - Paiute	0.03	0.37	\$0.12
Mountain Brome - Bromar	1.10	1.77	\$4.18
Slender Wheatgrass - San Luis	1.10	4.02	\$4.68
Streambank Wheatgrass - Sodar	0.50	1.63	\$2.85
Thickspike Wheatgrass - Critana	0.50	1.77	\$3.44

Needlegrass, Green - Lodorm	1.10	4.57	\$12.95
Wheat, Winter - Tam 107	20.00	18.37	\$5.50
Western Wheatgrass - Rosanna	1.10	2.78	\$6.33
Sagebrush, Mountain or Big	0.25	13.20	\$4.94
Flax, Lewis Blue	0.50	3.32	\$8.25
Penstemon, Palmer	0.10	2.21	\$5.45
Penstemon, Rocky Mountain	0.25	3.92	\$7.38
Yarrow, Western	0.10	6.08	\$4.18
Basin Wildrye - Trailhead	1.10	4.47	\$16.95
Canada Bluegrass - Reubens	0.05	2.87	\$0.33
Alfalfa - Travois (Yellow Alfalfa)	0.10	0.48	\$0.26
Bluebunch Wheatgrass - Goldar	0.50	1.61	\$2.30
Totals Seed Mix	50.08	85.83	\$159.92

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$232.00
	Total Seed Application Cost/Acre	\$232.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

	Cost /Acre
	\$
Total Mulch Application Cost/Acre	\$0.00
	Total Mulch Application Cost/Acre

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals	Nursery Stoc	ek Cost / Acre	\$0.00

	No. of Acres:	5	Cost /Acre:	\$591.06	
Estimat	ed Failure Rate:	20%	Cost /Acre*:	\$591.06	
*Selected Replanti	ng Work Items:	FERTILIZING,TI	LLING,SEEDING		
Initial Job Cost: Reseeding Job Cost:					

Total Job Cost:	\$3,546
Job Hours:	5.00

REVEGETATION WORK

Task descri	ption:	Drill Seed Mix #3				
ite: Hayden	Gulch Loadou	t Perm	it Action:	SL3	Permit/Jo	b#: <u>C1992081</u>
PROJECT	IDENTIFIC	ATION				
Task #:	033	State:	Colorado		Abbreviation:	None
Date:	10/12/2023	County:	Routt		Filename:	033
	3:20:21 PM	-				
User:	HR1					

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Triple superphosphate, 0-46-0	50.00	pound	\$0.89	\$44.50
			Total Fertilizer Materials Cost/Acre	\$44.50

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$41.82
	Total Fertilizer Application Cost/Acre	\$41.82

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$112.82
Total Tilling Cost/Acre	\$112.82

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alfalfa - Common	0.25	1.21	\$0.64
Alkali Sacaton	0.25	9.76	\$7.12
Beardless Wheatgrass - Whitmar	1.00	3.26	\$11.73
Alkaligrass, Fult's	0.25	6.89	\$0.91
Beardless (Creeping) Wildrye - Shoshone	3.00	10.33	\$70.26
Great Basin Wildrye - Magnar	2.00	8.13	\$23.10
Sheep Fescue - Covar	0.50	7.81	\$3.05
Slender Wheatgrass - San Luis	2.00	7.30	\$8.50
Streambank Wheatgrass - Sodar	1.00	3.26	\$5.70
Western Wheatgrass - Arriba	3.00	7.58	\$19.50

Wheat, Winter - Tam 107	20.00	18.37	\$5.50
Saltbush, Four Wing	3.00	4.13	\$37.50
Penstemon, Palmer	0.25	5.53	\$13.63
Yarrow, Western	0.10	6.08	\$4.18
Totals Seed Mix	36.60	99.61	\$211.30

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$232.00
	Total Seed Application Cost/Acre	\$232.00

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
		Totals	Nursery Stoc	k Cost / Acre	\$0.00

No. of Acres:	5	Cost /Acre:	\$642.44
Estimated Failure Rate:	20%	Cost /Acre*:	\$443.30
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	\$3,212.20
Reseeding Job Cost:	\$443.30
Total Job Cost:	\$3,656
Job Hours:	5.00

SITE MAINTENANCE

1	Task description:	Site Mainte	nance over 10 y	ear liability period		
Site:	Hayden Gulch Loadout		Permit Action:	SL3	Permit/.	Job#: <u>C1992081</u>
<u>PROJE</u>	CT IDENTIFICATION	N				
Task #:	041	State:	Colorado		Abbreviation:	None
Date:	10/12/2023	County:	Routt		Filename:	041
	3:18:22 PM					
User:	HR1					
	Agency or organizat	ion name:	DRMS			

UNIT COSTS

Maintenance Item	Hours per Year	Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Rill and Gully Repair	2.00	Cat D3K XL - 3P	20.00	EA	\$122.49	\$2,449.80
MIsc. Maintenance Truck and 2 laborers	2.00	Flatbed Truck, 6x4, 45K GVW	20.00	EA	\$61.15	\$1,223.00

Job Hours: 20.00

Total Cost: \$3,672.80

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Mo	b/Demob equip. f	for Reclamation	n of Load	lout Area			
e: _Hayden Gulch]	Loadout	Permit	Action: <u>SL3</u>			Permit/Job#	: <u>C199208</u>	81
PROJECT IDEN	TIFICATI	<u>ON</u>						
Task #: 045		State: Co	olorado		Abbre	eviation:	None	
Date: 10/12	2/2023 56 PM		outt				045	
User: HR1								
A gency or	organization	name: DRMS						
	Tractor Descr Trailer Descr		RIC ON-HIGH ENERIC FOLD	WAY TR 400 HF ING GOO	O (2ND HALF,	DR, 6X4, DI 2006) ROP DECK		-
Cost Breakdown:				T				
Available Rig Ca		0-25 Tons	26-50 Tons		+ Tons			
		\$20.26 \$39.51	\$36.04 \$76.08		\$47.05 \$82.85			
1 0		\$22.52	\$76.08		\$22.52			
1		\$0.00	\$23.53	\$23.53				
Total Unit (\$82.29			175.95			
NON ROADABL	E EQUIPN	<u>IENT:</u>						
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Tr		Γ Permit
Description	Unit (TONS)	Cost/hr/ unit	Cost/hr/uni t	Size	Cost/hr/ fleet	Cost/hr/ f	leet Cos	t/ fleet
Cat D10T - 10SU	84.53	\$178.69	\$175.95	1	\$354.64	\$175.95	\$500	0.00
Cat 637G w/push- pull	59.59	\$255.23	\$175.95	2	\$862.36	\$351.90	\$500	
Drill/Broadcast	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250	0.00

				2.10.0000000	<i>41,510107</i>	¥.,	+2,20000
				Subtotals:	\$1,645.87	\$774.72	\$1,750.00
CAT 14M	23.57	\$149.33	\$82.29	1	\$231.62	\$82.29	\$250.00
(Bowie LD-90)							
Power Mulcher	6.00	\$25.94	\$82.29	1	\$108.23	\$82.29	\$250.00
Tractor							
Seeder with							
Drill/Broadcast	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Generic 8-10 cy, 6x4	\$98.45	2	\$196.90	\$196.90
Water Tanker, 10,000 Gal.	\$301.15	1	\$301.15	\$301.15
Flatbed Truck, 6x4, 45K GVW	\$61.15	1	\$61.15	\$61.15
Fuel Tanker, 4x2, 170 HP	\$34.27	1	\$34.27	\$34.27

Subtotals: \$593.47 \$593.47

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	HAYDEN 10.00 25.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$8,728.21	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$474.78	-

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.40	0.40
Return Time (Hours):	0.40	0.40
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.80	0.80

JOB TIME AND COST

Total job time: **3.60** Hours

Total job cost: **\$9,203**