COST SUMMARY WORK

Task description: **Cost Summary Old Town Reclamation** Permit Action: Site: **Project** 110D Application Permit/Job#: M2018057 **PROJECT IDENTIFICATION** 000 Task #: State: Colorado Abbreviation: None 12/5/2018 Date: Gilpin Filename: M057-000 County: User: JLE Agency or organization name: DRMS TASK LIST (DIRECT COSTS) **Form Fleet** Task Task **Hours** Cost Description Used Size 001 Rip Final Surface **RIPPER** 4.06 \$915.00 1 002 Revegetation **REVEGE** 1 3.00 \$3,479.00 003 **SITEMAINT** Soil Amendments 1 6.00 \$6,055.08 **ENANCE MOBILIZE** 004 Mobilization 2.15 \$3,109.00 \$13,558 15.21 **SUBTOTALS: INDIRECT COSTS OVERHEAD AND PROFIT:** Liability insurance: 2.02 Total = \$273.87 Performance bond: 1.05 Total = \$142.36 Job superintendent: 0.00 Total = \$0.00 10.00 \$1,355.80 Profit: Total = TOTAL O & P = \$1,772.03 CONTRACT AMOUNT (direct + O & P) = \$15,330.03LEGAL - ENGINEERING - PROJECT MANAGEMENT: Financial warranty processing (legal/related costs): 0.00 Total = 0.00 4.25 Engineering work and/or contract/bid preparation: Total = \$651.53 Reclamation management and/or administration: 5.00 \$766.50 **CONTINGENCY:** 0.00 Total = \$0.00 TOTAL INDIRECT COST = \$3,190.06 TOTAL BOND AMOUNT (direct + indirect) = \$16,748.06

Total Proposed Bond Amount (Rounded) =

\$16,750.00

BULLDOZER RIPPING WORK

	Task description:	Rip Final S	Surface					_
Site:	Old Town Reclamatic	on	Permit Action:	110d Appli	cation	Permit/Job	#: <u>M201805</u>	57
<u>P</u>	PROJECT IDENTIFI	CATION						
	Task #: 001	S	tate: Colorado		A	bbreviation:	None	
	Date: 12/4/2018	Cou				Filename:	M057-001	
	User: JLE					_		
	Agency or organ	nization name:	DRMS					
T	HOURLY EQUIPME							
<u>1.</u>								
	Basic Machine				Horsepowe		310	
	Ripper Attachment	: 3-Shank R	apper	<u> </u>	Shift Basi Data Sourc		er day RG)	
					Data Sourc	e: (C	KG)	
<u>C</u>	Cost Breakdown:			Í		.,		
	Ouman	rship Cost/Hou		\$93.62	Utilization 9 NA	%		
		ating Cost/Hou		\$73.35	100			
		rship Cost/Hou		\$8.93	NA			
		ating Cost/Hou		\$7.78	100			
	Ope	rator Cost/Hou	r:	\$41.52	NA			
	Total	Unit Cost/Hou	r:	\$225.20				
	Total I	Fleet Cost/Hou	r: \$22 5	20				
eismic: Area:		cres	Bank Volume: Rip Depth (ft):	NA 1.00	BCY Volum		NA	BCY or C
	Source	of estimated q	uantity: Attachi	ment V - Cost	Estimate			
<u>F</u>	HOURLY PRODUCT	<u>ION</u>						
<u>S</u>	eismic:							
		Seismic	Velocity:	NA	feet/	/second		
А	Area:							
<u>-</u>		Average Rippi	ng Depth:	1.00	mph	1		
		Average Rippi	ng Width:	7.08	degi			
	A	Average Rippin		450.00	feet			
		Average Doz		88.00	feet			
		verage Maneu Production per		0.25 0.818	feet	s/hour		
T.	ob Condition Correction	•	umt area.	0.010	acre	3/110 u 1		
<u>J(</u>						_		
	Unadjusted	Hourly Unit P	roduction:	0.818	Acre	es/hr		
			Altitude:	9,080	feet			
			itude Adj:			T HB)		
			CC::	1.00	/1 1	hift/day)		
		Not C	Efficiency:	0.83		•		
			orrection:	0.83 0.83	mul	tiplier		
		ljusted Hourly	orrection: Unit Production:	0.83 0.83 0.68	mul Acres/h	tiplier r		
	Ad	ljusted Hourly justed Hourly	orrection:	0.83 0.83	mul	tiplier r		
<u>J</u>		ljusted Hourly justed Hourly	orrection: Unit Production:	0.83 0.83 0.68	mul Acres/h	tiplier r		

Unit cost: \$331.620 Per acre Total job cost: \$915

REVEGETATION WORK

Site:	Old Town Project	n Reclamation	Permit	t Action: 110d	Application	Per	mit/Job#	: M2018057
<u>P</u>	ROJECT	IDENTIFICAT	<u>ION</u>					
	Task #: Date: User:	002 12/4/2018 JLE		olorado ilpin		Abbrevia Filen		None M057-002
	Age	ency or organizatio	n name: DRMS	S				
F	ERTILIZ	ING						
	laterials							
	Descripti	on		Units / Acre	Unit	Cost / Un	nit	Cost /Acre
	Manure, delivery (average cos		ost), per ton		ton	\$37.53		\$16.89
							rtilizer aterials st/Acre	\$16.89
licatio	'n							
Descri							Cost /A	Acre
		reader (MEANS 32	91 13.23 4450)				\$64.03	
vianuic				Total Fertilize	er Application	n Cost/Acre	\$64.03	
	<u> </u>							
LLING Descrip							Cost /A	Acre

<u>TIL</u>

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$106.29
Total Tilling Cost/Acre	\$106.29

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Arizona Fescue - Redondo	2.00	22.96	\$24.24
Canby Bluegrass - Canbar	1.50	31.89	\$14.60
Sheep Fescue - Azay	1.00	15.61	\$4.93
Thickspike Wheatgrass - Critana	3.00	10.61	\$17.61
Western Wheatgrass - Rosanna	4.00	10.10	\$33.12
Totals Seed Mix	11.50	91.16	\$94.50

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
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$288.00	\$576.00
Total Mulch Materials Cost/Acre				\$576.00

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$68.78
	Total Mulch Application Cost/Acre	\$68.78

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
	\$0.00				

JOB TIME AND COST

No. of Acres:	2.76	Cost /Acre:	\$1,158.49
Estimated Failure Rate:	25%	Cost /Acre*:	\$407.42
*Selected Replanting Work Items:	FERTILIZING,SE	EDING	

Initial Job Cost: \$3,197.43

Reseeding Job Cost: \$281.12

Total Job Cost: \$3,479

Job Hours: 3

SITE MAINTENANCE

	Old Town Reclamation Project		Permit Action:	110d Application	Permi	/Job#: <u>M2018057</u>
	CT IDENTIFICATIO	_				
Task #:	: 003	State:	Colorado		Abbreviation:	None
Date:	: 12/5/2018	County:	Gilpin		Filename:	M057-003
	: JLE					

UNIT COSTS

Maintenance Item	Hours per Year	Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Apply Lime	3.00	USER PROVIDED	555.00	Bags	\$10.00	\$5,550.00
		ITEM				
Other Soil	3.00	USER PROVIDED	2.76	Acre	\$183.00	\$505.08
Amendments		ITEM				

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Mobilization				
Old Town Reclamation Site: Project	Perm	it Action:110d	Application	Permit/Jo	b#: <u>M2018057</u>
PROJECT IDENTIFICA	TION				
Task #: 004 Date: 12/5/2018 User: JLE		Colorado Gilpin	A	bbreviation: Filename:	None M057-004
Agency or organiza	tion name: DRM	S			
Truck Tractor D	escription: GEN	ERIC ON-HIGHV	Cost Data WAY TRUCK TRA 400 HP (2ND HA	Source: CTOR, 6X4, LF, 2006)	1 per day CRG Data DIESEL POWERED,
Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)				-	
Cost Breakdown:		1	KAILLK (231, 301	, AND 1001)	
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	_	
Ownership Cost/Hour		\$18.37	\$22.33	_	
Operating Cost/Hour		\$46.13	\$50.07	_	
Operator Cost/Hour	: \$27.66	\$27.66	\$27.66	_	
Helper Cost/Hour	: \$0.00	\$25.39	\$25.39		
Total Unit Cost/Hour	: \$88.67	\$117.55	\$125.45		

NON ROADABLE EQUIPMENT:

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/unit	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)				fleet		
Cat D8T - 8SU	53.08	\$102.55	\$125.45	1	\$228.00	\$125.45	\$250.00
Drill/Broadcast	25.00	\$15.54	\$88.67	2	\$208.42	\$177.34	\$500.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$8.33	\$88.67	1	\$97.00	\$88.67	\$250.00
(Bowie LD-90)							

Subtotals: \$533.42 \$391.46 \$1,000.00

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	\$47.19	1	\$47.19	\$47.19

Subtotals:	\$47.19	\$47.19

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	3.10 15.00	miles mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$3,089.60	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$19.51	_

<u>Transportation Cycle Time:</u>

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.21	0.21
Return Time (Hours):	0.21	0.21
Loading Time (Hours):	0.33	NA
Unloading Time (Hours):	0.33	NA
Subtotals:	1.08	0.41

JOB TIME AND COST

Total job time:	2.15	Hours
Total job cost:	\$3,109	