COST SUMMARY WORK

A.P.S. Trucking and ite: Excavating, Inc.		Permit Action:	2010 11-1-4-	D 1// 1// 2/0000100
Excavatii	ng, me.		2018 Update	Permit/Job#: M2000103
ROJECT	IDENTIFICAT	<u>'ION</u>		
Task #:	000	State: Colorado		Abbreviation: None
D .	12/18/2018	County: La Plata		Filename: M103-000
Date:				

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Finish grade mined slope and pad area	DOZER	1	1.52	\$343.00
002	Rip compacted areas of pit floor	RIPPER	1	1.28	\$289.00
003	Revegetate affected lands	REVEGE	1	8.00	\$709.00
004	Mobilization	MOBILIZE	1	2.26	\$1,737.00
	SUBTOTALS:				\$3,078

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02 Total = \$62.18 Performance bond: 1.05 Total = \$32.32 Job superintendent: 6.53 Total = \$477.02 Profit: 10.00 Total = \$307.80

TOTAL O & P = \$879.32 CONTRACT AMOUNT (direct + O & P) = \$3,957.32

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 500.00 Total = 500.00

Engineering work and/or contract/bid preparation: 0.00 Total = \$0.00

Reclamation management and/or administration: 5.00 \$197.87

CONTINGENCY: 0.00 Total = \$0.00

TOTAL INDIRECT COST = \$1,577.19

TOTAL BOND AMOUNT (direct + indirect) = \$4,655.19

BULLDOZER WORK

Task description:	Finish gr	ade mi	ned slope an	d pad area	~	
A.P.S. Trucking and Site: Excavating, Inc.	d 	Per	rmit Action:	2018 Update	Permit/Jol	p#: <u>M2000103</u>
PROJECT IDENTIF	ICATION					
Task #: 001 Date: 12/18/20 User: LJW		State: ounty:	Colorado La Plata		Abbreviation: Filename:	None M103-001
Agency or orga	anization name	e: DR	LMS			
HOURLY EQUIPMI		8 -		· · · · · · · · · · · · · · · · · · ·		
Basic Machine: C Horsepower: 3 Blade Type: So Attachment: 3- Shift Basis: 1	at D8T - 8SU 10 emi-Universal shank ripper per day			-		
	CRG)			=- =-		
Cost Breakdown:			000.60	Utilization %		
Ownership Cost/Hour: Operating Cost/Hour:			\$93.62 \$73.35	NA 100		
Ripper own.			\$8.93	NA		
Cost/Hour: Ripper op. Cost/Hour:			\$7.78	100		
Operator Cost/Hour:	1.0		\$41.52	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT	\$225.20 \$225.20					
Initial Volume: _1,0	08		_			
Swell factor: 1.0 Loose volume: 1,0	00 08 LCY		_			
Source of estimated sw factor:	lume: 1.	25 Acre at Hand	s, 6" deep book			
HOURLY PRODUC	<u> </u>					
Average push distance: Unadjusted hourly production:		eet 00.0 LC	Y/hr			
Materials consistency d	escription:	Compa	cted fill or er	nbankment 0.9		
Average push gradient:	0 %					
Average site altitude:	6,440 feet		_			
Material weight:	2,100 lbs/I	CY			_	
Weight description:	Earth - Lo	am				

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4724

Adjusted unit

production: Adjusted fleet 661.36 LCY/hr

661.36 LCY/hr

production:

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.341/LCY

Total job time: 1.52 Hours
Total job cost: \$343

BULLDOZER RIPPING WORK

Task description:	Rip compacted areas of pit	floor		_		
A.P.S. Trucking and	Permit Action	:				
Site: Excavating, Inc.	<u> </u>	_2018 Updat	e	Permit/Job#	#: <u>M20001</u>	03
PROJECT IDENTIFIC	CATION					
Task #: 002	State: Colorado		Ahh	reviation:	None	
Date: 12/18/2018				Filename:	M103-002	
User: LJW	County			i ilelialile	111103-002	
Agency or organ	ization name: DRMS					
HOURLY EQUIPMEN		700			12.	-9
Basic Machine		<u></u>	Horsepower:		10	_
Ripper Attachment	: 3-Shank Ripper		Shift Basis:		r day	
			Data Source:	(CI	RG)	-
Cost Breakdown:						
20		ĺ	Utilization %			
	ship Cost/Hour:	\$93.62	NA	_		
	ting Cost/Hour:	\$73.35	100	_		
	ship Cost/Hour:	\$8.93	NA	_		
	ting Cost/Hour:	\$7.78	100	-		
· · · · · · · · · · · · · · · · · · ·	ator Cost/Hour:	\$41.52	NA	_		
I otai	Unit Cost/Hour:	\$225.20				
Total F	leet Cost/Hour: \$22	5.20				
MATERIAL QUANTI	TIFS					
***	Sele Sele	cted estimating	method: Area	1		_
Alternate Methods:						
Seismic: NA	Bank Volume:	NA	BCY		NA	
0.55	res Rip Depth (ft):		Volume:	21,780	1471	BCY or CCY
						201 01 00
Source	of estimated quantity: Reclar	mation Plan				
HOURLY PRODUCT	<u>ION</u>					
Seismic:						
<u>Solomio.</u>	Seismic Velocity:	NA	feet/sec	ond		
				ona		
Area:						
	Average Ripping Depth:	2.56	mph			
A A	Average Ripping Width: verage Ripping Length:	7.08 100.00	degrees	}		
A	Average Dozer Speed:		feet			
Α	verage Maneuver Time:	0.25	feet feet			
	roduction per unit area:	0.703	acres/h	our		
Job Condition Correction F		0.703	acres/in	Jui		
Unadjusted I	Hourly Unit Production:	0.703	Acres/h	ır		
	Site Altitude:	6,440	feet			
	Altitude Adj:	1.00	(CAT F	IB)		
	Job Efficiency:	0.83	(1 shift/			
	Net Correction:	0.83	multipli	ier		
Ad	usted Hourly Unit Production:	0.58	Acres/hr			
	usted Hourly Fleet Production:		Acres/hr			
JOB TIME AND COST	•	2.				
	-					
Fleet size: 1	Grader(s)	Total job tim	e:	1.28	Hours	

			_		
Unit cost:	\$385.719	Per acre	Total job cost:	\$289	

REVEGETATION WORK

	ask description: Re	evegetate affected l	anus				
_	A.P.S. Trucking and Permit Action: Excavating, Inc. 2018 Update Permit/Job#					: M2000103	
TR	ROJECT IDENTIFICAT	TON			_		
	Task #: 003		lorado		A .	1.1	
	Date: 12/18/2018		Plata	-	_ A		None M103-003
	User: LJW		Tiata		_	rnename: _	W1103-003
	Agency or organization	on name:DRMS					
E	ERTILIZING						
<u>[a</u>	aterials						
	Description		Units / Acre	Unit	Co	st / Unit	Cost /Acre
L					\$		\$
					To	tal Fertilizer Materials Cost/Acre	\$0.00
	Description						Cost /Acre
_							\$
_			10001	or thizer	Application	on Cost/Acre	\$0.00
Π	LLING						
Γ							Cost /A ava
	Description	EANS 32 91 13 23 6	(100)				Cost /Acre
		EANS 32 91 13.23 6	5100)				Cost /Acre \$106.29
	Description	EANS 32 91 13.23 6	5100)	Т	otal Tillii	ng Cost/Acre	
	Description	EANS 32 91 13.23 6	5100)	Т	otal Tillii	ng Cost/Acre	\$106.29
2)	Description Disc harrowing, 6" deep (MI	EANS 32 91 13.23 6	5100)	T	Rate –		\$106.29 \$106.29
0)	Description Disc harrowing, 6" deep (MI	EANS 32 91 13.23 6	5100)	T	Rate – PLS LBS /	Seeds per SQ.	\$106.29
£]	Description Disc harrowing, 6" deep (MI EDING Seed Mix Sand Dropseed	EANS 32 91 13.23 6	5100)	1	Rate – PLS LBS / Acre	Seeds per SQ. FT	\$106.29 \$106.29 Cost /Acre
E)	Description Disc harrowing, 6" deep (MI EDING Seed Mix Sand Dropseed Ryegrass, Annual/Gulf	EANS 32 91 13.23 6	5100)	Т	Rate – PLS LBS /	Seeds per SQ.	\$106.29 \$106.29 Cost /Acre
E]	Description Disc harrowing, 6" deep (MI EDING Seed Mix Sand Dropseed Ryegrass, Annual/Gulf Smooth Brome - Manchar		5100)	T	Rate – PLS LBS / Acre	Seeds per SQ. FT	\$106.29 \$106.29 Cost /Acre
(2)	Description Disc harrowing, 6" deep (MI EDING Seed Mix Sand Dropseed Ryegrass, Annual/Gulf		5100)	T	Rate – PLS LBS / Acre 0.60 0.30	Seeds per SQ. FT 71.63 1.31	\$106.29 \$106.29 Cost /Acre \$6.66 \$0.34

Description		Cost /Acre
Broadcast seeding [DMG]		\$267.22
	Total Seed Application Cost/Acre	\$267.22

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Wood Cellulouse Fiber Mulch	1.00	Pound	\$0.38	\$0.38
Total Mulch Materials Cost/Acre				\$0.38

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
					\$
			Totals Nursery Stoc	k Cost / Aoro	\$0.00

JOB TIME AND COST

No. of Acres: 1.25

Cost /Acre: \$460.57

Estimated Failure Rate:

30%

Cost /Acre*: \$354.28

*Selected Replanting Work Items: SEEDING, MULCHING

Initial Job Cost: \$575.71

Reseeding Job Cost: \$132.86 Total Job Cost: \$709

Job Hours: 8.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	_Mobilization	1	 		
4 D C T 14		_			

A.P.S. Trucking and Permit Action:
Site: Excavating, Inc. 2018 Update Permit/Job#: M2000103

PROJECT IDENTIFICATION

Task #: 004 State: Colorado Abbreviation: None
Date: 12/18/2018 County: La Plata Filename: M103-004
User: LJW

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:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$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 Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D8T - 8SU	53.08	\$102.55	\$125.45	1	\$228.00	\$125.45	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$15.54	\$88.67	1	\$104.21	\$88.67	\$250.00

Subtotals: \$332.21 \$214.12 \$500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Siz	e	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet

Subtotals: \$0.00 \$0.00

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

DURANGO
miles
30.00
mph

Total Non-Roadable Mob/Demob Cost *
 '* two round trips with haul rig:
Total Roadable Mob/Demob Cost **
 ** one round trip, no haul rig:

\$0.00

Transportation Cycle Time:

Non-	
Roadable	Roadable
Equipment	Equipment
0.07	0.07
0.07	0.07
0.50	NA
0.50	NA
1.13	0.13
	Roadable Equipment 0.07 0.07 0.50

JOB TIME AND COST

Total job cost: 2.27 Hours

Total job cost: \$1,737