### COST SUMMARY WORK

	Task description: Co	ost Summary				
ite:	Spor Pit	Permit Action:	2018 Update	ŧ.	Permit/Job	#: <u>M1995038</u>
<u>P</u> ]	ROJECT IDENTIFICAT					
	Task #: 000	State: Colorado	1		Abbreviation:	None
	Date: <u>4/2/2018</u> User: LJW	County: San Migue			Filename:	M038-000
		-				
	Agency or organizatio	n name: DRMS				<u></u>
<u>T</u> .	ASK LIST (DIRECT COS	<u>STS)</u>				
ask	and the second		Form	Fleet	Task	· · · · · · · · · · · · · · · · · · ·
	Description	a	Used	Size	Hours	Cost
)1 )2	Reduce Highwalls to 3:1		DOZER	1	15.08	\$3,730.00 \$688.00
3	Rip Compaction on Pit Flo Spread Topsoil on all Grad		RIPPER DOZER		<u>2.78</u> 4.77	\$1,149.00
, s )4	Revegetate affected lands	deu Aleas	REVEGE	1	16.00	\$6,086.00
5	Haul reclamation equipme	ent to and from site	MOBILIZE	1	4.20	\$3,191.00
			<u>SUBTO</u>	TALS:	42.83	\$14,844
I	DIRECT COSTS					
0	CRUCAD AND DROFT					
<u>~</u>	VERHEAD AND PROFIT:					
<u> </u>		2.02			Total = \$2	99.85
<u>v</u>	Liability insurance: Performance bond:	2.02 1.05			The second se	99.85 55.86
<u>v</u>	Liability insurance: Performance bond: Job superintendent:	1.05 21.41			$\begin{array}{r} \text{Total} = & \$1\\ \text{Total} = & \$1 \end{array}$	55.86 ,564.00
0	Liability insurance: Performance bond:	1.05		TOTAL	$\begin{array}{r} Total = \\ Total = \\ Total = \\ \end{array} \begin{array}{r} \$1 \\ \$1 \\ \$1 \end{array}$	55.86 ,564.00 ,484.40
<u> </u>	Liability insurance: Performance bond: Job superintendent:	1.05 21.41 10.00			$Total = \frac{\$1}{Total} = \frac{\$1}{\$1}$ $Total = \frac{\$1}{\$1}$ $L O \& P = \frac{\$3}{\$3}$	55.86 ,564.00 ,484.40 ,504.11
<u>0</u>	Liability insurance: Performance bond: Job superintendent:	1.05 21.41 10.00	RACT AMOUNT		$Total = \frac{\$1}{Total} = \frac{\$1}{\$1}$ $Total = \frac{\$1}{\$1}$ $L O \& P = \frac{\$3}{\$3}$	55.86 ,564.00 ,484.40
	Liability insurance: Performance bond: Job superintendent:	1.05 21.41 10.00 CONT			$Total = \frac{\$1}{Total} = \frac{\$1}{\$1}$ $Total = \frac{\$1}{\$1}$ $L O \& P = \frac{\$3}{\$3}$	55.86 ,564.00 ,484.40 ,504.11
	Liability insurance: Performance bond: Job superintendent: Profit:	1.05 21.41 10.00 CONT			$Total = \frac{\$1}{Total} = \frac{\$1}{Total} = \frac{\$1}{Total} = \frac{\$1}{S1}$ $Total = \frac{\$1}{S1}$ $Total = \frac{\$1}{S1}$ $Total = \frac{\$1}{S1}$ $Total = \frac{\$1}{S1}$	55.86 ,564.00 ,484.40 ,504.11
	Liability insurance: Performance bond: Job superintendent: Profit: CGAL - ENGINEERING - PR Financial warranty process Engineering work and/or o	1.05 21.41 10.00 CONT OJECT MANAGEMENT sing (legal/related costs): contract/bid preparation:	500.00 0.00		$Total = \frac{\$1}{Total} = \frac{\$1}{\$1}$ $Total = \frac{\$1}{\$1}$ $Total = \frac{\$1}{\$3}$ $O \& P = \frac{\$3}{\$1}$ $Total = \frac{\$0}{\$0}$	55.86 ,564.00 ,484.40 ,504.11 8,348.11 0.00 .00
	Liability insurance: Performance bond: Job superintendent: Profit: CGAL - ENGINEERING - PR Financial warranty process	1.05 21.41 10.00 CONT OJECT MANAGEMENT sing (legal/related costs): contract/bid preparation:	500.00		$Total = \frac{\$1}{Total} = \frac{\$1}{\$1}$ $Total = \frac{\$1}{\$1}$ $Total = \frac{\$1}{\$3}$ $O \& P = \frac{\$3}{\$1}$ $Total = \frac{\$0}{\$0}$	55.86 ,564.00 ,484.40 ,504.11 8,348.11
	Liability insurance: Performance bond: Job superintendent: Profit: CGAL - ENGINEERING - PR Financial warranty process Engineering work and/or o	1.05 21.41 10.00 CONT OJECT MANAGEMENT sing (legal/related costs): contract/bid preparation:	500.00 0.00		$Total = \frac{\$1}{Total} = \frac{\$1}{\$1}$ $Total = \frac{\$1}{\$1}$ $Total = \frac{\$1}{\$3}$ $O \& P = \frac{\$3}{\$1}$ $Total = \frac{\$0}{\$0}$ $Total = \frac{\$0}{\$9}$	55.86 ,564.00 ,484.40 ,504.11 8,348.11 0.00 .00
	Liability insurance: Performance bond: Job superintendent: Profit: CGAL - ENGINEERING - PR Financial warranty process Engineering work and/or o	1.05 21.41 10.00 CONT OJECT MANAGEMENT sing (legal/related costs): contract/bid preparation: nt and/or administration:	500.00 0.00 5.00 0.00	(direct +	$Total = \frac{\$1}{Total} = \frac{\$1}{\$1}$ $Total = \frac{\$1}{\$1}$ $Total = \frac{\$1}{\$3}$ $O \& P = \frac{\$3}{\$1}$ $O \& P = \frac{\$1}{\$1}$ $Total = \frac{\$0}{\$9}$ $Total = \frac{\$0}{\$9}$	55.86 ,564.00 ,484.40 ,504.11 8,348.11 0.00 .00 17.41
	Liability insurance: Performance bond: Job superintendent: Profit: CGAL - ENGINEERING - PR Financial warranty process Engineering work and/or o	1.05 21.41 10.00 CONT OJECT MANAGEMENT Sing (legal/related costs): contract/bid preparation: nt and/or administration: CONTINGENCY:	500.00 0.00 5.00 0.00	(direct +	$Total = \frac{\$1}{Total} = \frac{\$1}{\$1}$ $Total = \frac{\$1}{\$1}$ $Total = \frac{\$1}{\$3}$ $O \& P = \frac{\$3}{\$1}$ $O \& P = \frac{\$1}{\$1}$ $Total = \frac{\$0}{\$9}$ $Total = \frac{\$0}{\$9}$ $Total = \frac{\$0}{\$1}$	55.86 ,564.00 ,484.40 ,504.11 8,348.11 0.00 .00 17.41 .00 ,921.52

### BULLDOZER WORK

te: Spor Pit				
e. <u>Spor Pit</u>	Permit Action:	2018 Update	Permit/Jo	b#:
PROJECT IDENTIFI	CATION			
Task #:001	State: Colorado		Abbreviation:	None
Date: <u>4/2/2018</u>	County: San Miguel		Filename:	M1995038
User: LJW				
Agency or organ	nization name:DRMS			
HOURLY EQUIPME	NT COST			
Basic Machine: Ca	t D9T - 9SU			
Horsepower: 40.				
	mi-Universal	e.		
	shank ripper			
	ber day			
Data Source: (C	RG)			
Cost Breakdown:				
		Utilization %		
Ownership Cost/Hour:	\$100.59	NA		
Operating Cost/Hour:	\$87.23	100		
Ripper own. Cost/Hour:	\$10.94	NA		
Ripper op. Cost/Hour:	\$6.82	100		
Operator Cost/Hour:	\$41.85	NA		
MATERIAL QUANT	7			
Swell factor: 1.43				
	60 76 LCY			
	6 LCY       ume:     Division of Reclamation	n, Mining & Safety		
Loose volume: <b>8,97</b> Source of estimated volu Source of estimated swe	6 LCY         ume:       Division of Reclamation         11       Cat Handbook	n, Mining & Safety		
Loose volume: 8,97 Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance:	6 LCY         ume:       Division of Reclamation         11       Cat Handbook	n, Mining & Safety		
Loose volume: <b>8,97</b> Source of estimated volu Source of estimated swe factor: <b>HOURLY PRODUCT</b> Average push distance: Unadjusted hourly	6 LCY         ume:       Division of Reclamation         11       Cat Handbook         'ION	n, Mining & Safety 		
Loose volume: <b>8,97</b> Source of estimated volu Source of estimated swe factor: <b>HOURLY PRODUCT</b> Average push distance:	6 LCY         ume:       Division of Reclamation         11       Cat Handbook         ••••••••••••••••••••••••••••••••••••	n, Mining & Safety 		
Loose volume: 8,97 Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production:	6 LCY         ume:       Division of Reclamation         11       Cat Handbook         ••••••••••••••••••••••••••••••••••••			
Loose volume: 8,97 Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push	6 LCY         ume:       Division of Reclamation         11       Cat Handbook         TION       50 feet         2,110.5 LCY/hr			
Loose volume: <b>8,97</b> Source of estimated volu Source of estimated swe factor: <b>HOURLY PRODUCT</b> Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient:	6 LCY         ume:       Division of Reclamation         11       Cat Handbook         'ION			
Loose volume: 8,97 Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push	'6 LCY         ume:       Division of Reclamation         11       Cat Handbook         'ION			
Loose volume: 8,97 Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient:	6 LCY         ume:       Division of Reclamation         11       Cat Handbook         'ION			
Loose volume: 8,97 Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient: Average site altitude:	6 LCY         ume:       Division of Reclamation         11       Cat Handbook         TON	bankment 0.9		
Loose volume: 8,97 Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient: Average site altitude: Material weight:	6 LCY         ame:       Division of Reclamation         11       Cat Handbook         TON	bankment 0.9		

Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.697	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.2821

Adjusted unit production:	595.37 LCY/hr	
Adjusted fleet production:	<b>595.37</b> LCY/hr	

### JOB TIME AND COST

Fleet size:	1 Dozer(s)	
Unit cost:	\$0.416/LCY	

Total job time:	15.08 Hours
Total job cost:	\$3,730

### BULLDOZER RIPPING WORK

Task description	n: <u>Ri</u>	p Compaction on Pit Floo	or				
Site: Spor Pit		Permit Action:	2018 Update	e	Permit/Jo	b#: <u>M19950</u>	38
PROJECT ID	ENTIFICAT	ION					
Task #: 00	)2	State: Colorado		Abb	reviation:	None	
Date: 4/	2/2018	County: San Migu	el		Filename:	M038-002	
User: L.	IW						
Agency	or organizatio	on name: DRMS					
HOURLY EQ	UIPMENT C	<u>COST</u>					
Basic	Machine: C	Cat D9T - 9SU		Horsepower:		405	
Ripper At		-Shank Ripper		Shift Basis:	11	per day	
				Data Source:		CRG)	
Cost Breakdown:							
				Utilization %			
	Ownership (		\$100.59	NA			
	Operating (		\$87.23	100	_		
	er Ownership (		\$10.94	NA	_		
Ripp	per Operating (		\$6.82	100	_		
	Operator (		\$41.85	NA	_		
	Total Unit (	Cost/Hour:	\$247.43				
	Total Fleet (	Cost/Hour: \$24	7.43				
			;				
Area: 2.00	acres Source of est	Rip Depth (ft): imated quantity: <u>Inspec</u>		Volume:	4,840		BCY or C
HOURLY PRO	DUCTION						
Seismic:		Colorado Valoritas	274	<b>C</b>			
		Seismic Velocity:	NA	feet/sec	cond		
Area:							
		ge Ripping Depth:	2.63	mph			
		ge Ripping Width:	7.67	degrees	5		
		e Ripping Length:	300.00	feet			
		rage Dozer Speed:	88.00	feet			
		e Maneuver Time:	0.25	feet			
		•	0.866	acres/h	our		
Job Condition Con		_	0.044				
Una	ajustea Houri	y Unit Production:	0.866	Acres/h	л.		
		Site Altitude:	7,350	feet			
		Altitude Adj:	1.00	(CAT I			
		Job Efficiency:	0.83	(1 shift			
		Net Correction:	0.83	multipl	ier		
		Hourly Unit Production:	0.72	Acres/hr			
	·	Hourly Fleet Production:	0.72	Acres/hr			
JOB TIME AN Fleet size:	<u>1 CUSI</u>	Grader(s)	Total ish dire		1 70	TT.	
_			Total job time	<del></del>	2.78	Hours	
Unit cost:	\$344.166	Per acre	Total job cos	t:	\$688		

CIRCES Cost Estimating Software

### BULLDOZER WORK

: Spor Pit					
Spor Fit	Per	mit Action:	2018 Update	Permit/Jo	b#: <u>M199503</u>
PROJECT IDENTIFI	<b>CATION</b>				
Task #: 003	State:	Colorado		Abbreviation:	None
Date: 4/2/2018	County:	San Miguel		Filename:	M038-003
User: LJW		0			
Agency or organ	nization name:	MS			
HOURLY EQUIPME	NT COST				
Basic Machine: Ca	t D9T - 9SU				
Horsepower: 40:	5				
	mi-Universal				
	shank ripper				
	ber day				
Data Source: (Cl	RG)				
Cost Breakdown:					
		1	Utilization %		
Ownership Cost/Hour:		\$100.59	NA		
Operating Cost/Hour:		\$87.23	100		
Ripper own. Cost/Hour:		\$10.94	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:	-	\$41.85	NA		
	<b>60</b> 40 - 61		- 14 -		
Total unit Cost/Hour:	\$240.61		<u></u> 2		
Total Fleet Cost/Hour:	\$240.61				
MATERIAL QUANT	ITIES		_		
MATERIAL QUANT			_		
Initial Volume:3,22	26	_	_		
Initial Volume:3,22 Swell factor:1.00	26	_	_		
Initial Volume:3,22 Swell factor:1.00	26				
Initial Volume:3,22 Swell factor:1.00	26 00 26 LCY	  of Reclamation	. Mining & Safety		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu	26 00 26 LCY ame: Division (		, Mining & Safety		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22	26 00 26 LCY ame: Division (		, Mining & Safety		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu Source of estimated swe	26 00 26 LCY ame: Division (		, Mining & Safety		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu Source of estimated swe	26 00 26 LCY ame: Division of 11 Cat Hand		, Mining & Safety		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu Source of estimated volu Source of estimated swe factor:	26 00 26 LCY 1me: Division of 11 Cat Hand 		, Mining & Safety		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance:	26 00 26 LCY ame: Division of 11 Cat Hand 	book	, Mining & Safety		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly	26 00 26 LCY 1me: Division of 11 Cat Hand 	book	, Mining & Safety		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance:	26 00 26 LCY ame: Division of 11 Cat Hand 	book	, Mining & Safety		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly	26 00 26 LCY 111 Division ( 11 Cat Hand 210N 75 feet 1,514.3 LC	book Y/hr	_		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu Source of estimated volu Source of estimated swe factor: <b>HOURLY PRODUCT</b> Average push distance: Unadjusted hourly production: Materials consistency de	26 00 26 LCY 11 Division ( 11 Cat Hand 210N <u>75 feet</u> 1,514.3 LCY escription: Partly c	book Y/hr	_		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu Source of estimated volu Source of estimated swe factor: <b>HOURLY PRODUCT</b> Average push distance: Unadjusted hourly production: Materials consistency de Average push	26 00 26 LCY 111 Division ( 11 Cat Hand 210N 75 feet 1,514.3 LC	book Y/hr	_		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu Source of estimated swe factor: <b>HOURLY PRODUCT</b> Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient:	26 00 26 LCY 10 Cat Hand 210N 210N 25 %	book Y/hr	_		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu Source of estimated volu Source of estimated swe factor: <b>HOURLY PRODUCT</b> Average push distance: Unadjusted hourly production: Materials consistency de Average push	26 00 26 LCY 11 Division ( 11 Cat Hand 210N <u>75 feet</u> 1,514.3 LCY escription: Partly c	book Y/hr	_		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu Source of estimated swe factor: <b>HOURLY PRODUCT</b> Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient:	26 00 26 LCY 10 Cat Hand 210N 210N 25 %	book Y/hr	_		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu Source of estimated volu Source of estimated swe factor: <b>HOURLY PRODUCT</b> Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient: Average site altitude: Material weight:	26 00 16 LCY 1me: Division of 11 Cat Hand TON 25 % 7,350 feet 2,550 lbs/LCY	y/hr onsolidated sto	_		
Initial Volume: 3,22 Swell factor: 1.00 Loose volume: 3,22 Source of estimated volu Source of estimated swe factor: <b>HOURLY PRODUCT</b> Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient: Average site altitude:	26 00 26 LCY 1me: Division of 11 Cat Hand 210N 25 feet 1,514.3 LC 2,550 lbs/LCY Earth - Dry packed	y/hr onsolidated sto	_		

Operator Skill:	0.750	(AVG.)
Material consistency:	1.100	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4462

Adjusted unit production:	675.68 LCY/hr
Adjusted fleet production:	675.68 LCY/hr

### JOB TIME AND COST

Fleet size:	1 Dozer(s)	
Unit cost:	\$0.356/LCY	

Total job time:4.77 HoursTotal job cost:\$1,149

### Page 1 of 2

### **REVEGETATION WORK**

Task description:		Revegetate affected lands			
te:Spor Pit		Permit Action: 2018 Update		Permit/Job#: M199503	
DENTIFI(	CATION				
004 4/2/2018 LJW	State: County:	Colorado San Migue	1	Abbreviation: Filename:	None M038-004
)	DENTIFIC	DENTIFICATION           004         State:           4/2/2018         County:	Dermit Action:         DENTIFICATION         004       State:       Colorado         4/2/2018       County:       San Migue	Permit Action:       2018 Update         DENTIFICATION       2004       State:       Colorado         4/2/2018       County:       San Miguel       San Miguel	Permit Action:       2018 Update       Permit/Job         DENTIFICATION       O04       State:       Colorado       Abbreviation:         4/2/2018       County:       San Miguel       Filename:

### **FERTILIZING**

# Materials 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
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
Indian Ricegrass - Native	3.75	12.14	\$26.25
Streambank Wheatgrass - Sodar	3.30	10.76	\$20.10
Western Wheatgrass - Native	4.80	12.12	\$33.60
Totals Seed Mix	11.85	35.02	\$79.95

**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	\$261.00	\$522.00
Total Mulch Materials Cost/Acre				\$522.00

### Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$66.02
Power mulcher (MEANS 32 91 13.16 0350)		\$99.32
Weed spray, hand, non-aquatic area, nox. [DMG]		\$180.00
	Total Mulch Application Cost/Acre	\$345.34

### **NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
			1		\$
	\$0.00				

### JOB TIME AND COST

	No. of Acres: ed Failure Rate: ng Work Items:	 Cost /Acre: Cost /Ac <u>re*:</u>	
Initial Job Cost:	AND INCOME AND INCOME.		
Reseeding Job Cost:	\$943.43		
Total Job Cost:	\$6,086		
Job Hours:	16.00		

### EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Ha	ul reclamation eq	uipment to and	l from sit	e		
te: Spor Pit		Permit	Action: 2018	Update		Permit/Job#:	M1995038
PROJECT IDE	NTIFICATI	<u>ON</u>					
Task #: 005	;	State: Co	olorado		Abbre	eviation: Non	e
Date: $\frac{4}{2}$	/2018		n Miguel				38-005
User: LJV	N						
Agency of	or organization	name: DRMS					
EQUIPMENT 1	<u>RANSPOR</u>	<u>T RIG COST</u>					
					Shift ba		
					Cost Data Sou	rce: CRG E	Data
Truck	Tractor Desc	rintion: GENE	RIC ON-HIGH			OR, 6X4, DIESE	
Track	Tractor Dese				(2ND HALF,		LETOWERED,
Truc	k Trailer Desci	ription: G	ENERIC FOLD			ROP DECK EQ	IIPMENT
Truch	k Hundi Dese				(25T, 50T, A)		
					(201, 501, 11		
Cost Breakdown:							
Available Rig Ca	apacities	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	\$1	25.45		
NON ROADAB	<u>LE EQUIPN</u>	<u>IENT:</u>					
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
h	(TONS)		t	5120	fleet		
Cat D9T - 9SU	66.13	\$111.53	\$125.45	1	\$236.98	\$125.45	\$250.00
Drill/Broadcast	25.00	\$12.22	\$88.67	1	\$100.89	\$88.67	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$250.00
(Bowie LD-90)							

Subtotals: \$433.57 \$302.79 \$750.00

### **<u>ROADABLE EQUIPMENT:</u>**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$12.26	1	\$12.26	\$12.26
		Subtotals:	\$12.26	\$12.26

.

### **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	NATURITA	
Total one-way travel distance:	22.00	miles
Average Travel Speed:	40.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$3,177.14	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$13.49	

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.55	0.55
Return Time (Hours):	0.55	0.55
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.10	1.10
Loading Time (Hours): Unloading Time (Hours):	0.50	NA NA

### JOB TIME AND COST

Total job time: **4.20** Hours

Total job cost: \$3,191