COST SUMMARY WORK

ite: Railhead Gravel Pit		Permit Action:	2019-05	Permit/Job	#: <u>M1995036</u>
PROJECT	IDENTIFIC	<u>CATION</u>			
Task #:	ACY	State: Colorado		Abbreviation:	None
Date:	6/6/2019	County: Mesa		Filename:	M036-ACY
User:	ACY				

TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	
Task	Description	Used	Size	Hours	Cost
01a	Regrade Pond Slopes to 3H:1V	DOZER	1	20.79	\$4,308
02a	Regrade Wetland Slopes to 10H:1V	DOZER	1	42.77	\$8,863
03a	Rip compacted areas	RIPPER	1	4.83	\$1,082
04a	Topsoil Replacement	DOZER] 1	96.06	\$19,904
05a	Reveg-Wetlands	REVEGE	1	8.00	\$6,078
05b	Reveg-Dryland around pond	REVEGE] 1	24.00	\$24,898
06a	Initial Mobilization	MOBILIZE	1	2.44	\$2,538
06b	Secondary Mobilization	MOBILIZE	1	2.44	\$1,503
		<u>SUBTO</u>	TALS:	201.33	\$69,174

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$1,397
Performance bond:	1.05	Total =	\$726
Job superintendent:	100.67	Total =	\$7,354
Profit:	10.00	Total =	\$6,917

TOTAL O & P = \$16,395 CONTRACT AMOUNT (direct + O & P) = \$85,569

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	4.25	Total =	\$3,637
Reclamation management and/or administration:	5.41	_	\$4,629

CONTINGENCY: 3.00 Total = \$2,075

TOTAL INDIRECT COST = \$27,236

TOTAL BOND AMOUNT (direct + indirect) = \$96,410

BULLDOZER WORK

Task description:	Regrade I	Pond Slopes to 3H:	1V		
Railhead Gravel	Pit	Permit Action:	2019-05	Permit/Job#:	M1995036
PROJECT IDEN	<u> </u>				
Task #: 01A		State: Colorado		Abbreviation:	None
Date: $\frac{6/6/20}{4CV}$	19 Co	ounty: Mesa		Filename:	M036-01a
User: ACY					
Agency or o	organization name	: DRMS			
HOURLY EQUIP	PMENT COST				
Basic Machine:	Cat D8T - 8SU		<u> </u>		
Horsepower:	310 Semi-Universal		<u></u>		
Blade Type: _ Attachment:	NA				
Shift Basis:	1 per day		<u> </u>		
Data Source:	(CRG)				
Cost Breakdown:			ı		
0 1: 0 ///		фод с д	<u>Utilization %</u>		
Ownership Cost/Ho Operating Cost/Ho		\$93.62 \$73.35	NA 100		
Ripper own. Cost/Ho		\$0.00	NA		
Ripper op. Cost/Ho		\$0.00	0		
Operator Cost/Ho		\$40.23	NA		
Swell factor:	8,438 1.230				
Loose volume:	10,379 LCY				
Source of estimated source of estimated s		400 LF of 1.5:1 to 3 at Handbook	:1 @ 15'H		
HOURLY PROD	<u>UCTION</u>				
Average push distand Unadjusted hourly pr		eet 7.1 LCY/hr			
Materials consistency	y description:	Compacted fill or e	mbankment 0.9		
Average push gradient Average site altitude					
Material weight:	2,100 lbs/L	CY		_	
Weight description:	Earth - Loa	ım			
Job Condition Correct		0.750	Source (AVG)		
Opera Material co	ator Skill:	0.750	(AVG.) (CAT HB))		
	g method:	1.000	(GEN.)		
	Visibility:	1.000	(AVG.)		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4908

Adjusted unit production: 499.19 LCY/hr
Adjusted fleet production: 499.19 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.415/LCY

Total job time: 20.79 Hours
Total job cost: \$4,308

BULLDOZER WORK

Task description:	Regra					
Railhead Gravel	Pit	Permi	t Action:	2019-05	Permit/Job#:	M1995036
PROJECT IDEN	TIFICATIO	<u>N</u>				
Task #: 02A		State:	Colorado		Abbreviation:	None
Date: $\frac{6/6}{20}$	19		Mesa		Filename:	M036-02a
User: $\frac{6/6/20}{ACY}$	1)	County.	IVIC5a		i nename.	141030 02u
Agency or	organization n	ame: DRM	1S			
HOURLY EQUI	PMENT CO	<u>ST</u>				
Basic Machine:	Cat D8T - 85	SU				
Horsepower:	310					
Blade Type:	Semi-Univer	rsal				
Attachment:	NA			_		
Shift Basis:	1 per day					
Data Source:	(CRG)			_		
Cost Desaledorem	, ,					
Cost Breakdown:			ĺ	Utilization 0/		
Ownership Cost/Ho	21144		\$93.62	<u>Utilization %</u> NA		
Operating Cost/Ho			\$73.35	100		
Ripper own. Cost/He			\$0.00	NA		
Ripper op. Cost/He			\$0.00	0		
			\$40.23		<u></u>	
				NA		
Operator Cost/Hou Total unit Cost/Hou Total Fleet Cost/Hou MATERIAL OIL	\$207.2 \$207.2		Ψ10.23			
Total unit Cost/Hour Total Fleet Cost/Hou MATERIAL QUA Initial Volume: Swell factor:	\$207.2 \$207.2 \$207.2 \$ANTITIES 12,396 1.230		-			
Total unit Cost/Hour Total Fleet Cost/Hou MATERIAL QUA Initial Volume: Swell factor:	\$207.2 \$207.2 \$207.2 ANTITIES 12,396		ψ10.23			
Total unit Cost/Hour Total Fleet Cost/Hou MATERIAL QUA Initial Volume: Swell factor:	\$207.2 \$207.2 \$207.2 \$ANTITIES 12,396 1.230 15,247 LCY volume:		3:1 to 10:			
Total unit Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated	\$207.2 \$207.2 \$207.2 \$207.2 \$207.2 \$207.2 \$207.2 \$12,396 1.230 15,247 LCY volume: swell factor:	1700 LF of	3:1 to 10:			
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD	\$207.2 \$207.2 \$207.2 \$207.2 \$207.2 \$12,396 \$1.230 \$15,247 LCY \$200 volume: \$207.2 \$12,396 \$1.230 \$15,247 LCY \$207.2 \$207.2 \$207.2	1700 LF of Cat Handbo	3:1 to 10:			
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant	### \$207.2 ####################################	1700 LF of Cat Handbo	3:1 to 10:			
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD	### \$207.2 ####################################	1700 LF of Cat Handbo	3:1 to 10:			
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistence	### ##################################	1700 LF of Cat Handbo	3:1 to 10:	1 @ 15'H		
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p	### ##################################	1700 LF of Cat Handbo	3:1 to 10:	1 @ 15'H		
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistence Average push gradie	### \$207.2 #### \$207.2 ####################################	1700 LF of Cat Handbo	3:1 to 10:	1 @ 15'H		
Total unit Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p Materials consistence Average push gradie Average site altitude	### \$207.2 #### \$207.2 ####################################	1700 LF of Cat Handbo 125 feet 726.3 LCY/hr Compactor Geet bs/LCY	3:1 to 10:	1 @ 15'H		
Total unit Cost/Hour Total Fleet Cost/Hour Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Corre	### \$207.2 ### \$200.1 ### \$200.1	1700 LF of Cat Handbo 125 feet 726.3 LCY/hr Compactor Eeet bs/LCY Loam	3:1 to 10:2	1 @ 15'H mbankment 0.9		
Total unit Cost/Hour Total Fleet Cost/Hour Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct Oper	### \$207.2 ####################################	1700 LF of Cat Handbo 125 feet 726.3 LCY/hr Compacto eet bs/LCY Loam 0.75	3:1 to 10:	1 @ 15'H mbankment 0.9 Source (AVG.)		
Total unit Cost/Hour Total Fleet Cost/Hour Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distant Unadjusted hourly p Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Corre Oper Material co	### \$207.2 ####################################	1700 LF of Cat Handbo 125 feet 726.3 LCY/hr Compactor Eeet bs/LCY Loam	3:1 to 10:: ook ed fill or et	1 @ 15'H mbankment 0.9		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4908

Adjusted unit production: 356.47 LCY/hr
Adjusted fleet production: 356.47 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.581/LCY

Total job time: 42.77 Hours
Total job cost: \$8,863

BULLDOZER RIPPING WORK

	Task description:	_Rip	compacted areas					
Site:	: Railhead Gra	vel Pit	Permit Action:	2019-05	Per	mit/Job#:	M1995036	
	PROJECT ID	ENTIFICATI	<u>ON</u>					
	Task #: 03.	4	State: Colorado		Abbre	eviation:	None	
		5/2019	County: Mesa			lename:	M036-03a	
	User: AC	CY				_		
	Agency	or organization	name: DRMS					_
	HOURLY EQ	UIPMENT CO	OST					
	Basic	Machine: Cat	t D8T - 8SU		Horsepower:	3	310	
	Ripper Att	achment: 3-S	hank Ripper		Shift Basis:		er day	_
					Data Source:	(C	CRG)	_
	Cost Breakdown	<u>.</u>						
					Utilization %			
		Ownership Co		\$93.62	NA 100			
	Dinn	Operating Co er Ownership Co		\$73.35 \$8.93	100 NA			
		per Operating Co		\$7.78	100			
	Кірі	Operator Co		\$40.23	NA			
		Total Unit Co		\$223.91				
		Total Fleet Co	ost/Hour: \$223	3.91				
	MATERIAL (HANTITIES		ected estimating	g method: Area			
	Alternate Method		, Sele	cteu estimating	g method. Area			
a · ·		<u>15.</u>	D 1 W 1	37.4	D.C.V.	,	N.T. A	
Seismic: Area:	NA 3.10	acres	Bank Volume: Rip Depth (ft):	NA 2.00	BCY Volume: 10	0,003	NA B	CY or CC
Aica.	3.10				_			c i oi cc
		Source of estin	mated quantity: Staff es	stimates 4500 L	LF haul road approx	x 30 ft wid	e	_
	HOURLY PRO	<u>ODUCTION</u>						
	Seismic:							
		i	Seismic Velocity:	NA	feet/secon	nd		
	Area:							
			ge Ripping Depth:	2.56	feet/pass			
			ge Ripping Width:	7.08	feet/pass			
			e Ripping Length:age Dozer Speed:	200.00 88.00	feet/pass feet/minu	ıte		
			Maneuver Time:	0.25	minutes/r			
			tion per unit area:	0.773	acres/hou			
	Job Condition Co	orrection Factors	<u>3</u>					
	Un	adjusted Hourly	Unit Production:	0.773	Acres/hr			
			Site Altitude:	4,525	feet			
			Altitude Adj:	1.00	(CAT HE	3)		
			Job Efficiency:	0.83	(1 shift/d	ay)		
			Net Correction:	0.83	multiplie	r		
		Adjusted	Hourly Unit Production:	0.64	Acres/hr			
			Hourly Fleet Production:	0.64	Acres/hr			
	JOB TIME AN	ND COST						
	Fleet size:	1	Grader(s)	Total job tin	ne: 4.	.83	Hours	
	Unit cost:	\$348.931	Per acre	Total job co	st: \$1	,082		
		+= .= . >==		joo c o	ΨΞ,	,		

BULLDOZER WORK

Task description:	Tops	oil Replacer	nent			
: Railhead Gravel	Pit	Peri	mit Action:	2019-05	Permit/Job#:	M1995036
PROJECT IDEN	TIFICATI	<u>ON</u>				
Task #: 04A		State:	Colorado		Abbreviation:	None
Date: 6/6/20)19	County:	Mesa		Filename:	M036-04a
User: ACY		J				
Agency or	organization	name: DR	RMS			
HOURLY EQUI	PMENT CO	<u>DST</u>				
Basic Machine:	Cat D8T - 8	BSU		<u></u>		
Horsepower:	310			<u> </u>		
Blade Type:	Semi-Unive	ersal				
Attachment:	NA 1			<u>—</u>		
Shift Basis:	1 per day			<u> </u>		
Data Source:	(CRG)					
Cost Breakdown:						
			.	<u>Utilization</u>	<u>%</u>	
Ownership Cost/H			\$93.62	NA		
Operating Cost/H			\$73.35	100		
Ripper own. Cost/H			\$0.00	NA		
Ripper op. Cost/H			\$0.00	0		
Operator Cost/H	lour:		\$40.23	NA		
MATERIAL QU Initial Volume: Swell factor:	15,058 1.115					
Loose volume:	16,790 LCY		_			
Source of estimated Source of estimated		16 ac 7" c Cat Hand				
HOURLY PROD	<u>OUCTION</u>					
Average push distar Unadjusted hourly p		300 feet 291.4 LCY/	hr			
Materials consistence	cy description	: Partly c	consolidated	stockpile 1.1		
Average push gradic Average site altitude		feet	_			
Material weight:	2,100	lbs/LCY				
Weight description:	Earth	- Loam				
Job Condition Corre				Sour		
	rator Skill: _		750	(AVC		
Material co			100	(CAT		
Dozin	ng method:		000	(GEN		
	Visibility: _	1.	000	(AVC	G.)	

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(SSD-AC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5998

Adjusted unit production: 174.78 LCY/hr
Adjusted fleet production: 174.78 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.186/LCY

Total job time: 96.06 Hours
Total job cost: \$19,904

REVEGETATION WORK

ask description:	Reveg-Wetlands	2010	.05		D 1./7.1.11	141005026
Railhead Gravel Pit	Permit A	Permit Action: 2019-05 Permit/Job				
ROJECT IDENTIFI	CATION					
		orado		A L-1	oreviation:	None
Task #: 05A Date: 6/6/2019	County: Mes					M036-05a
User: ACY	County. Wies	sa			Thename.	W1030-03a
Agency or organ	nization name: DRMS					
ERTILIZING						
aterials						
		Units /				
Description		Acre	Unit	Cos	t / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10)-5	100.00	pound	\$0.3	4	\$34.00
				Tot	al Fertilizer	
				100	Materials	
					Cost/Acre	\$34.00
Description						Cost /Acre
Description						Cost /Acre
Tractor towed spreade	er (MEANS 32 01 90.13 01	20)				\$34.72
		Total	Fertilizer Ap	plication	n Cost/Acre	\$34.72
<u>LLING</u>						
Description						Cost /Acre
Disc harrowing, 6" dec	ep (MEANS 32 91 13.23 6	5100)				\$106.29
			Tot	al Tillin	g Cost/Acre	\$106.29
EEDING Seed Mix				Rate –	Seeds	Cost /Acre
			I.	PLS LBS / Acre	per SQ. FT	
Alkali Sacaton				.50	58.54	\$43.50
Canada Wildrye			1	1.00	29.04	\$119.24
D 1 m						
Red Top	NTG.		0	.50	57.28	\$4.23
Reed Canarygrass - V	NS		3	.50	40.66	\$4.23 \$17.29
	NS		0 3 2			\$4.23

Totals Seed Mix

Application

\$201.38

311.78

21.50

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
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$288.00	\$576.00
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$2.81	\$2.81
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$4.26	\$4.26
Total Mulch Materials Cost/Acre				\$583.07

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$68.78
Power mulcher (MEANS 32 91 13.16 0350)		\$92.78
Weed spray, truck, aquatic area, nox. [DMG]		\$70.14
Weed spray, truck, non-aquatic areas, ann. [DMG]		\$23.91
	Total Mulch Application Cost/Acre	\$255.61

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

JOB TIME AND COST

No. of Acres: 3 Cost /Acre: \$1,447.07 Estimated Failure Rate: 40% Cost /Acre*: \$1,447.07

*Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU

LCHING

Initial Job Cost: **\$4,341.21** Reseeding Job Cost: \$1,736.48 Total Job Cost: \$6,078 Job Hours: **8.00**

REVEGETATION WORK

Railhead Gravel Pit	Per	mit Action: 2019)_∩5	Permit/Iob#	: M1995036
Kalineau Graver i ii		IIII ACIOII. 2017	7-03	I CHIII/300#	·
ROJECT IDENTIFICAT	TION				
Task #: 05B	State:	Colorado		Abbreviation:	None
					M036-05b
User: ACY	_ County.	Mesa		_ Thename	141030-030
	_				
Agency or organization	on name: DR	MS			
ERTILIZING					
aterials					
		Units /		G . (T)	G
Description		Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5		100.00	pound	\$0.34	\$34.00
				Total Fertilizer	
				Materials	
				Cost/Acre	\$34.00
	EANS 32 01 90.	13 0120)			Cost /Acre \$34.72
Description	EANS 32 01 90.	,	l Fertilizer A	pplication Cost/Acre	
Description Tractor towed spreader (ME)	EANS 32 01 90.	,	l Fertilizer A	pplication Cost/Acre	\$34.72
Description Tractor towed spreader (ME LLING	EANS 32 01 90.	,	l Fertilizer A	pplication Cost/Acre	\$34.72 \$34.72
Description Tractor towed spreader (ME LLING Description		Total	l Fertilizer A	pplication Cost/Acre	\$34.72 \$34.72 Cost /Acre
Description Tractor towed spreader (ME LLING		Total	l Fertilizer A	pplication Cost/Acre	\$34.72 \$34.72
Description Tractor towed spreader (ME LLING Description		Total			\$34.72 \$34.72 Cost /Acre \$106.29
Description Tractor towed spreader (ME LLING Description		Total		pplication Cost/Acre	\$34.72 \$34.72 Cost /Acre
Description Tractor towed spreader (ME LLING Description Disc harrowing, 6" deep (ME)		Total			\$34.72 \$34.72 Cost /Acre \$106.29
Description Tractor towed spreader (ME LLING Description Disc harrowing, 6" deep (ME)		Total	To	otal Tilling Cost/Acre	\$34.72 \$34.72 Cost /Acre \$106.29
Description Tractor towed spreader (ME LLING Description Disc harrowing, 6" deep (ME EEDING		Total	To	otal Tilling Cost/Acre	\$34.72 \$34.72 Cost /Acre \$106.29
Description Tractor towed spreader (ME LLING Description Disc harrowing, 6" deep (ME)		Total	To	rtal Tilling Cost/Acre Rate – Seeds	\$34.72 \$34.72 Cost /Acre \$106.29
Description Tractor towed spreader (ME LLING Description Disc harrowing, 6" deep (ME EEDING		Total	To	Rate – Seeds per SQ.	\$34.72 \$34.72 Cost /Acre \$106.29
Description Tractor towed spreader (ME LLING Description Disc harrowing, 6" deep (ME EEDING Seed Mix		Total	To	Rate – PLS Seeds per SQ. FT	\$34.72 \$34.72 Cost /Acre \$106.29 \$106.29
Description Tractor towed spreader (ME LLING Description Disc harrowing, 6" deep (ME EEDING Seed Mix Indian Ricegrass - Paloma	IEANS 32 91 13	Total	To	Rate – PLS Seeds per SQ. FT 12.50 40.46	\$34.72 \$34.72 \$34.72 Cost /Acre \$106.29 \$106.29 Cost /Acre
Description Tractor towed spreader (ME LLING Description Disc harrowing, 6" deep (ME EEDING Seed Mix Indian Ricegrass - Paloma Crested Wheatgrass - Ephra	IEANS 32 91 13	Total	To	Rate - Seeds PLS PLS PT PT PT PT PT PT PT P	\$34.72 \$34.72 \$34.72 Cost /Acre \$106.29 \$106.29 Cost /Acre \$121.88 \$22.50
Description Tractor towed spreader (ME LLING Description Disc harrowing, 6" deep (ME EEDING Seed Mix Indian Ricegrass - Paloma Crested Wheatgrass - Ephra Canby Bluegrass - Canbar	IEANS 32 91 13	Total	To	Rate – PLS Seeds per SQ. FT 12.50 40.46 6.00 27.55 3.00 63.77	\$34.72 \$34.72 \$34.72 Cost /Acre \$106.29 \$106.29 Cost /Acre \$121.88 \$22.50 \$29.19
LLING Description Disc harrowing, 6" deep (M EEDING Seed Mix Indian Ricegrass - Paloma Crested Wheatgrass - Ephra	IEANS 32 91 13	Total	To	Rate - Seeds PLS PLS PT PT PT PT PT PT PT P	\$34.72 \$34.72 \$34.72 Cost /Acre \$106.29 \$106.29 Cost /Acre \$121.88 \$22.50

Totals Seed Mix

Application

CIR	CES Cost Es	timating So	ftware

\$495.40

236.65

35.00

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

MULCHING and MISCELLANEOUS

Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$288.00	\$576.00
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$2.81	\$2.81
Herbicide - Glyphosate (Journey)@ 1.0 pt/ac	1.00	ACRE	\$4.26	\$4.26
Total Mulch Materials Cost/Acre				\$583.07

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$68.78
Power mulcher (MEANS 32 91 13.16 0350)		\$92.78
Weed spray, truck, aquatic area, nox. [DMG]		\$70.14
Weed spray, truck, non-aquatic areas, ann. [DMG]		\$23.91
	Total Mulch Application Cost/Acre	\$255.61

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

JOB TIME AND COST

 No. of Acres:
 11
 Cost /Acre:
 \$1,741.09

 Estimated Failure Rate:
 30%
 Cost /Acre*:
 \$1,741.09

*Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU

LCHING

Initial Job Cost: \$19,151.99

Reseeding Job Cost: \$5,745.60

Total Job Cost: \$24,898

Job Hours: 24.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: In	itial Mobilization	!		
te: Railhead Gravel Pit	Permi	t Action: 2019-05	5 Permit/J	Tob#: M1995036
PROJECT IDENTIFICAT	<u>TION</u>			
Task #: 06A	State: C	colorado	Abbreviation	: None
Date: 6/6/2019 User: ACY	County: N	Iesa	Filename	: M036-06a
Agency or organization	on name: DRMS	S		
EQUIPMENT TRANSPO	RT RIG COST			
	KI KIG COSI		Shift basis:	1 per day
			Cost Data Source:	CRG Data
Truck Tractor Des	scription: GENI	ERIC ON-HIGHW	AY TRUCK TRACTOR, 6X4 400 HP (2ND HALF, 2006)	, DIESEL POWERED,
Truck Trailer Des	scription:	GENERIC FOLDIN	NG GOOSENECK, DROP DE	CK EQUIPMENT
			AILER (25T, 50T, AND 1007	_
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	

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$88.67

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
	(TONS)		t		fleet		
Cat D8T - 8SU	53.08	\$102.55	\$125.45	1	\$228.00	\$125.45	\$250.00
Drill/Broadcast Seeder with	25.00	\$15.54	\$88.67	1	\$104.21	\$88.67	\$250.00
Tractor							
Power Mulcher	6.00	\$8.33	\$88.67	1	\$97.00	\$88.67	\$250.00
(Bowie LD-90)							

\$117.55

\$125.45

Subtotals: \$429.21 \$302.79 \$750.00

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	\$76.10	1	\$76.10	\$76.10

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: GRAND JUNCTION,

Total one-way travel distance: 5.00 miles
Average Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost *

'* two round trips with haul rig: Total Roadable Mob/Demob Cost **

** one round trip, no haul rig:

\$2,521.09 \$16.91

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.11	0.11
Return Time (Hours):	0.11	0.11
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.22	0.22

JOB TIME AND COST

Total job time:	2.44	Hours

Total job cost: \$2,538

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Secondary Mobiliz	ation		
ite: Railhead Gravel Pit	Permi	t Action:	Perm	nit/Job#: M1995036
PROJECT IDENTIFICA	TION			
Task #: 06B Date: 6/7/2019 User: ACY		Colorado Mesa	Abbreviat Filena	
Agency or organiza	tion name: DRM	S		
EQUIPMENT TRANSPO			Shift basis: Cost Data Source: AY TRUCK TRACTOR, 6 400 HP (2ND HALF, 200	1 per day CRG Data 6X4, DIESEL POWERED, 6)
Truck Trailer D	escription:		IG GOOSENECK, DROP AILER (25T, 50T, AND 1	-
Cost Breakdown:			, ,	,
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour		\$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	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni	Fleet Size	Haul Trip Cost/hr/	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Drill/Broadcast	(TONS) 25.00	\$15.54	\$88.67	1	fleet \$104.21	\$88.67	\$250.00
Seeder with Tractor	23.00	Ψ13.31	φοσ.σ7		Ψ101.21	ψοσ.σ7	Ψ230.00
Power Mulcher (Bowie LD-90)	6.00	\$8.33	\$88.67	1	\$97.00	\$88.67	\$250.00

Subtotals: \$201.21 \$177.34 \$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.	\$76.10	1	\$76.10	\$76.10
Crew				

Subtotals:	\$76.10	\$76.10	
Subtotais:	3/0.10	3/0.10	

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: GRAND JUNCTION,

CO Total one-way travel distance: 5.00 miles Average Travel Speed: 45.00 mph

\$1,486.54

Total Non-Roadable Mob/Demob Cost *

** two round trips with haul rig:

Total Roadable Mob/Demob Cost **

\$16.91 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.11	0.11
Return Time (Hours):	0.11	0.11
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.22	0.22

JOB TIME AND COST

Total job time:	2.44	Hours

Total job cost: \$1,503