# **COST SUMMARY WORK**

e: <b>23 Road</b>	Pit	Permit Action:	2025	Permit/Job	o#: <u>M1979089</u>
<b>PROJECT</b>	IDENTIFIC	<u>CATION</u>			
Task #:	ACY	State: Colorado		Abbreviation:	None
Date:	8/5/2025	County: Mesa		Filename:	M089-ACY
User:	ACY				

# TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	~
I disti	Description	Used	Size	Hours	Cost
02e	Pond 2 - Reveg	REVEGE	1	2.00	\$6,735
03a	Pond 3 - Dewater prior to slope grading	PUMPING	1	38.86	\$5,117
03b	Pond 3 - Grade slopes to 3H:1V	DOZER	2	2.35	\$1,550
03c	Pond 3 - Transport topsoil	LOADER	1	13.68	\$2,551
03d	Pond 3 - Grade half of transported topsoil	DOZER	2	0.37	\$242
03e	Pond 3 - Reveg	REVEGE	1	2.00	\$6,339
04e	Pond 4 - Reveg	REVEGE	1	2.00	\$27,732
05a	Decompact stockpile area	RIPPER	2	20.12	\$14,244
05b	Transport topsoil of stockpile area	LOADER	1	195.68	\$36,471
05c	Grade half of transported topsoil for stockpile area	DOZER	2	5.72	\$3,769
05d	Reveg stockpile area	REVEGE	1	40.00	\$90,393
06a	Plant trees	REVEGE	1	30.00	\$2,223
07b	Water Trees 2 hrs wkly	MISCTRUK	1	104.00	\$6,401
10a	Initial Mobilization	MOBILIZE	1	2.50	\$12,747
10b	Secondary Mobilization	MOBILIZE	1	2.50	\$1,513
		TALS:	461.78	\$218,027	

### **INDIRECT COSTS**

### **OVERHEAD AND PROFIT:**

Liability insurance:	2.02	Total =	\$4,404
Performance bond:	1.05	Total =	\$2,289
Job superintendent:	212.00	Total =	\$15,928

Profit: 10.00

### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	4.25	Total =	\$11,154
Reclamation management and/or administration:	5.00	_	\$13,123

CONTINGENCY: 0.00 Total = \$0

TOTAL INDIRECT COST = \$69,200

TOTAL BOND AMOUNT (direct + indirect) = \$287,227

# **REVEGETATION WORK**

23 Road	Pit	Pern_	nit Action: 2025	Permit/Job	#: <u>M1979089</u>
ROJECT	<u>IDENTIFI</u>	<u>CATION</u>			
Task #:	02E	State:	Colorado	Abbreviation:	None
Date:	8/5/2025	County:	Mesa	Filename:	M089-02e
User:	ACY				

# **FERTILIZING**

# Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Potassium nitrate, 13-46-0	250.00	pound	\$0.72	\$179.28
			Total Fertilizer Materials Cost/Acre	\$179.28

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$46.17
	<b>Total Fertilizer Application Cost/Acre</b>	\$46.17

# **TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$114.13
Total Tilling Cost/Acre	\$114.13

# **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	1.00	39.03	\$29.78
Nebraska Sedge	1.00	20.94	\$150.22
Slender Wheatgrass - San Luis	3.00	10.95	\$18.54
Red Top	1.00	114.55	\$10.72
Reedgrass, Canadian (or Blue Joint)	0.50	51.42	\$211.21
Reedgrass, Northern - Native	0.50	51.42	\$81.82
Saltgrass, Inland	1.00	13.86	\$51.03
Timothy - Climax	1.00	28.70	\$4.25
Basin Wildrye - Trailhead	1.50	6.10	\$19.99
Totals Seed Mix	10.50	336.97	\$577.56

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$242.30
Tota	al Seed Application Cost/Acre	\$242.30

### **MULCHING and MISCELLANEOUS**

#### Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered	2.00	TON	\$504.56	\$1,009.12
Herbicide - 2,4D @ 1.0 pt/ac	2.00	ACRE	\$4.44	\$8.88
Herbicide - Curtail @ 4.0 pt/ac	2.00	ACRE	\$38.14	\$76.27
Total Mulch Materials Cost/Acre				\$1,094.27

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$239.35
Power mulcher (MEANS 32 91 13.16 0350)		\$141.57
Weed spray, truck, aquatic area, nox. [DMG]		\$81.67
	<b>Total Mulch Application Cost/Acre</b>	\$462.59

# **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:
 1.7
 Cost /Acre:
 \$2,716.30

 Estimated Failure Rate:
 50%
 Cost /Acre\*:
 \$2,490.85

\*Selected Replanting Work Items: \_\_TILLING,SEEDING,MULCHING

Initial Job Cost: \$4,617.71

Reseeding Job Cost: \$2,117.22

Total Job Cost: Job Hours: 2.00

# **PUMPING WORK**

Task description:	Pond 3	- Dewater prior to	slope grading		
Site: 23 Road Pit		Permit Action	n: <u>2025</u>	Permit/Job#:	M1979089
PROJECT IDENTIF	ICATIO	<u>N</u>			
Task #: 03A Date: 8/5/2025 User: ACY		State: Colorac County: Mesa	lo	Abbreviation: Filename:	None M089-03a
Agency or organ	nization na	me: DRMS			
HOURLY EQUIPME	ENT COS	T			
	Descript	ion		Quantity	
Make and Model:		sible pump - 460v, 8	in.	3	
Attachment 1:		hose - 6 in. diam., 2		3	
Attachment 2:		ge hose - 6 in. D., 25		12	
Labor Unit 1:	Pump of	perator (same as 1st	)	3	
Horsepower:	95				
Shift Basis: 1 p	er day	_			
<u> </u>	0.70 S Tons)	_			
`	5 Tons)				
Cost Breakdown:			Utilization %		
Ownership Cost/I	Hour.	\$33.78	NA		
Operating Cost/I		\$14.28	100		
Operator Cost/I		\$83.61	NA		
Total Unit Cost/I		\$131.67	_		
Total Fleet Cost/	Hour:	\$131.67			
PUMPING QUANTI		4-2-3-07			
		56.00			225050 5000
Initial Pond Voluments Final Pond Voluments		56.00 <b>18,247,632.48</b>	gallons	Conversion factor:	325850.5800
Total Pond Inflow Sur		10,247,032.40	ganons	Unit inflow rate in	
	Area:	435,600	Sq. ft.	gph/sq. ft.:	0.1758
Total Pond Inflow Vol		155,000	54. 10.	Spirisq. i	0.1750
per H	Iour:	76,578.48	gallons		
Source of	of estimate	d volume: TR-8			
<b>PUMPING TIME</b>					
May	rimum Dun	np Capacity:	170,000	gph/pump	
		iction Head:	15	feet	
		harge Head:	15	feet	
		Total Head:	30	feet	
	CPB Pun	np Capacity:	165,600	gph/pump	
	S	Site Altitude:	4,532	feet	
				_	
		ng Capacity:	496,800	gph	
		nping Time:	36.73	hours	
		al Pumping: nping Time:	2,812,754 42.39	gallons Hours	
		ment Factor:	1.0000	(3% rule)	
		ency Factor:	0.9167	(55 min./hr.)	
		nping Time:	38.86	hours	
JOB TIME AND COS	<u>ST</u>				
			Total job	time: 38.86	Hours
Unit cost: \$0.00	0243	/Gallon	Total job	cost: <b>\$5,117</b>	

# **BULLDOZER WORK**

Task description:	Pond	3 - Grade s	lopes to 3H	:1V			
: 23 Road Pit		Peri	mit Action:	2025		_ Permit/Job#:	M1979089
PROJECT IDEN	NTIFICATION	<u>ON</u>					
Task #: 03B		State:	Colorado			Abbreviation:	None
Date: 8/5/2	025	County:	Mesa			Filename:	M089-03b
User: ACY		·				<del>-</del>	
Agency or	r organization	name: DF	RMS				
HOURLY EQUI							
Basic Machine:	Cat D8T - 8						
Horsepower:	310			<del></del>			
Blade Type:	Semi-Unive	ersal		<del></del>			
Attachment:	NA						
Shift Basis:	1 per day						
Data Source:	(CRG)						
Cost Breakdown:							
				U	tilization %		
Ownership Cost/H	Iour:		\$179.60		NA		
Operating Cost/F			\$110.45		100		
Ripper own. Cost/H			\$0.00		NA		
Ripper op. Cost/F	Iour:		\$0.00		0		
Operator Cost/H	Iour:		\$39.46		NA		
MATERIAL QU Initial Volume: Swell factor:	1,295 1.110		<u> </u>				
Loose volume:	<b>1,437</b> LCY		<del></del>				
Source of estimated Source of estimated		TR-8 Cat Hand	book				
HOURLY PROI	<u>DUCTION</u>						
Average push dista Unadjusted hourly		60 feet 1,246.9 LC	Y/hr				
Materials consisten	cy description	: Compa	cted fill or e	mbankme	nt 0.9		
Average push gradi Average site altitud		feet					
Material weight:	2,800	lbs/LCY				_	
Weight description	Clay -	Natural bed					
Job Condition Corr Ope	ection Factor erator Skill:	0.	750		Source (AVG.)		
	onsistency:		900		(CAT HB))		
	ng method:		000		(GEN.)		
	Visibility:		000		(AVG.)		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	0.666	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.2451

Adjusted unit production: 305.62 LCY/hr
Adjusted fleet production: 611.24 LCY/hr

# **JOB TIME AND COST**

Fleet size: 2 Dozer(s)
Unit cost: \$1.078/LCY

Total job time: 2.35 Hours
Total job cost: \$1,550

# WHEEL LOADER – LOAD AND CARRY WORK

Task description:	Pond 3 -	Transport tops	<b>711</b>			
: 23 Road Pit		Permit Action	on: 2025		Permit/Job#:	M1979089
PROJECT IDEN	TIFICATION					
Task #: 03C		State: Colora	ado		Abbreviation:	None
Date: 8/5/20	25	County: Mesa	ido		Filename:	M089-03c
User: ACY	25	ounty. <u>wiesu</u>			i nename.	10000 030
Agency or	organization nam	ne: DRMS				
HOURLY EQUI	PMENT COST	<u>.</u>				
Basic Machir	ne: CAT 972H			Horsep	ower:	287
Attachment		•	=	Shift I		er day
Attacililent	1. KOI S Cau		=	Data Sc		CRG)
C + D 11				2 2 .		
Cost Breakdown:			Utilizatio	on %		
Ownership (	Cost/Hour:	\$65.96	NA			
Operating C		\$60.89	100			
Operator (		\$59.52	NA			
Total Unit C		\$186.37				
m . 1 m		<b>#10625</b>				
Total Fleet	Cost/Hour:	\$186.37				
······································	<u>ANTITIES</u>					
Initial volume: Loose volume: Sou	1,295 1,573 urce of estimated	volume: TR-8		ell factor: 1.	215	
Initial volume: Loose volume: Source	1,295 1,573  urce of estimated of estimated swe	volume: TR-8		ell factor: 1.	215	
Initial volume: Loose volume: Sou	1,295 1,573 arce of estimated of estimated swe	volume: TR-8	Iandbook		0.525	minutes
Initial volume: Loose volume: Source HOURLY PROD Loader Cycle Time:	1,295  1,573  urce of estimated of estimated swe  OUCTION  Unadjuste	volume: TR-8 Il factor: Cat F	Iandbook		0.525	
Initial volume: Loose volume: Source  HOURLY PROD Loader Cycle Time: Cycle Time:	1,295  1,573  arce of estimated of estimated swe  PUCTION  Unadjuster  Factors	volume: TR-8 Il factor: Cat F	Iandbook		0.525 Factor (min.)	Source
Initial volume: Loose volume: Source  HOURLY PROD Loader Cycle Time: Cycle Time	1,295 1,573  arce of estimated of estimated swell  UCTION  Unadjusted Factors aterial: Mixed	volume: TR-8 Ill factor: Cat I  ed Basic Cycle T  material 0.02	Handbook ime (load, dum	p, maneuver):	0.525 Factor (min.) 0.020	Source (Cat HB)
Initial volume: Loose volume: Source  HOURLY PROD  Loader Cycle Time: Cycle Time M Sto	1,295  1,573  arce of estimated of estimated swe  PUCTION  Unadjusted Factors aterial: Mixed ockpile: Conve	volume: TR-8 Il factor: Cat F	Handbook ime (load, dum	ip, maneuver):	0.525 Factor (min.)	Source (Cat HB) (Cat HB)
Initial volume: Loose volume: Source  HOURLY PROD  Loader Cycle Time: Cycle Time M Sto Truck Own	1,295  1,573  1,573  1,573  1,573  1,573  1,573  1,573  1,000  1,	volume: TR-8 Il factor: Cat F  ed Basic Cycle Tate  material 0.02 yor or dozer piles	Handbook ime (load, dum d 10 ft. high or trucks and load	ip, maneuver):	0.525 Factor (min.) 0.020 0.010	Source (Cat HB)
Initial volume: Loose volume: Source  HOURLY PROD  Loader Cycle Time: Cycle Time M Sto Truck Own	1,295  1,573  1,573  1,573  1,573  1,573  1,573  1,573  1,295  1,	volume: TR-8 Il factor: Cat F  ed Basic Cycle T  material 0.02 yor or dozer piled ion ownership of	Handbook ime (load, dum d 10 ft. high or trucks and load	ip, maneuver):	0.525 Factor (min.) 0.020 0.010 -0.040	Source (Cat HB) (Cat HB) (Cat HB)
Initial volume: Loose volume: Source  HOURLY PROD  Loader Cycle Time:  Cycle Time: M Sto Truck Own	1,295  1,573  1,573  1,573  1,573  1,573  1,573  1,573  1,295  1,	volume: TR-8 Ill factor: Cat I  ed Basic Cycle T  material 0.02 yor or dozer piles yor or dozer piles yor ownership of ant operation -0.0 nal target 0.00  Net	Handbook  ime (load, dum  d 10 ft. high or trucks and load	less 0.01 ders -0.04	0.525 Factor (min.) 0.020 0.010 -0.040 -0.040 0.000 -0.050	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: Loose volume: Source  HOURLY PROD  Loader Cycle Time:  Cycle Time: M Sto Truck Own	1,295  1,573  1,573  1,573  1,573  1,573  1,573  1,295  1,	volume: TR-8 Ill factor: Cat I  ed Basic Cycle T  material 0.02 yor or dozer piles yor or dozer piles yor ownership of ant operation -0.0 nal target 0.00  Net	Handbook ime (load, dum d 10 ft. high or trucks and load	less 0.01 ders -0.04	0.525 Factor (min.) 0.020 0.010 -0.040 -0.040 0.000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Initial volume: Loose volume: Source  HOURLY PROD  Loader Cycle Time:  Cycle Time: M Sto Truck Own	1,295  1,573  arce of estimated of estimated swe  PUCTION  Unadjuste  Factors  aterial: Mixed ockpile: Conversion: Commercial Constant Con	volume: TR-8 Il factor: Cat I  material 0.02 yor or dozer piles ion ownership of ant operation -0.0 Net Ad	Handbook  ime (load, dum  d 10 ft. high or trucks and load	less 0.01 ders -0.04	0.525 Factor (min.) 0.020 0.010 -0.040 -0.040 0.000 -0.050	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: Loose volume: Source  HOURLY PROD  Loader Cycle Time:  Cycle Time:  M Sto Truck Own Ope Dump	1,295  1,573  arce of estimated of estimated swell  PUCTION  Unadjustor Factors aterial: Mixed ockpile: Convenership: Commercation: Constant Target: Nomin	volume: TR-8 Il factor: Cat I  material 0.02 yor or dozer piles ion ownership of ant operation -0.0 Net Ad	Iandbook  ime (load, dum  d 10 ft. high or trucks and load  Cycle Time A ljusted Basic C	less 0.01 lers -0.04 djustment:	0.525 Factor (min.) 0.020 0.010 -0.040 -0.040 0.000 -0.050 0.475	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: Loose volume: Source  HOURLY PROD  Loader Cycle Time:  Cycle Time:  M  Sto  Truck Own  Ope Dump	1,295  1,573  arce of estimated of estimated swe  PUCTION  Unadjustor  Factors  aterial: Mixed ockpile: Conversion: Commercation: Constant Target: Noming	volume: TR-8 Il factor: Cat F  ed Basic Cycle Tr  material 0.02 yor or dozer piles on ownership of ant operation -0.0 Net Ad	Handbook  ime (load, dum  d 10 ft. high or trucks and load  Cycle Time A ljusted Basic C	less 0.01 less 0.04 djustment: ycle Time:	0.525 Factor (min.) 0.020 0.010 -0.040 -0.040 0.000 -0.050 0.475	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: Loose volume: Source  HOURLY PROD  Loader Cycle Time:  Cycle Time:  M  Sto  Truck Own  Ope Dump	1,295  1,573  1,573  1,573  1,573  1,573  1,573  1,573  1,573  1,573  Unadjuste  Factors  Factors  Atterial: Mixed  Ackpile: Convenership: Commercation: Consta  Target: Nomin  - Road Condition  Haul: Soft, rutt  Soft, rutt	volume: TR-8 Il factor: Cat F  ed Basic Cycle Tr  material 0.02 yor or dozer pileon ownership of ant operation -0.0 Net Add  s  ed dirt, no mainto	Handbook  ime (load, dum  d 10 ft. high or trucks and load  Cycle Time A ljusted Basic C	less 0.01 less 0.04 djustment: ycle Time:	0.525 Factor (min.) 0.020 0.010 -0.040 -0.040 0.000 -0.050 0.475	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: Loose volume: Source  HOURLY PROD  Loader Cycle Time:  Cycle Time:  M Sto  Truck Own Ope Dump	1,295  1,573  Irce of estimated of estimated swe  PUCTION  Unadjuste Factors Internal: Mixed ockpile: Conventeration: Constate Nominate No	volume: TR-8 Ill factor: Cat I  ed Basic Cycle Transport of the construction of the co	Iandbook  Ime (load, dum  d 10 ft. high or trucks and load  Cycle Time A ljusted Basic C enance or wate	less 0.01 lers -0.04 djustment: ycle Time:  r, 4" tire penetr	0.525 Factor (min.) 0.020 0.010 -0.040 -0.040 0.000 -0.050 0.475  ration 8.0	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes
Initial volume: Loose volume: Source  HOURLY PROD  Loader Cycle Time:  Cycle Time:  M Sto  Truck Own Ope Dump	1,295  1,573  Irce of estimated of estimated swe  PUCTION  Unadjuste Factors Interial: Mixed ockpile: Conventership: Commerciation: Constate Target: Nomin	volume: TR-8 Il factor: Cat F  ed Basic Cycle Tr  material 0.02 yor or dozer piles on ownership of ant operation -0.0 Net Ad  s  ed dirt, no mainte ded dirt, no mainte frade Res.	Iandbook  Ime (load, dum  d 10 ft. high or trucks and load  Cycle Time A ljusted Basic C  enance or wate enance or wate Rolling	djustment: ycle Time:  r, 4" tire penetr r, 4" tire penetr Total Res.	0.525 Factor (min.) 0.020 0.010 -0.040 -0.040 0.000 -0.050 0.475  ration 8.0 ration 8.0	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Initial volume: Loose volume: Source  HOURLY PROD  Loader Cycle Time:  Cycle Time:  M Sto  Truck Own Ope Dump	1,295  1,573  arce of estimated of estimated sweether settimated se	volume: TR-8 Ill factor: Cat I  ed Basic Cycle Transport of the construction of the co	Iandbook  Ime (load, dum  d 10 ft. high or trucks and load  Cycle Time A ljusted Basic C enance or wate	less 0.01 lers -0.04 djustment: ycle Time:  r, 4" tire penetr	0.525 Factor (min.) 0.020 0.010 -0.040 -0.040 0.000 -0.050 0.475  ration 8.0	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes

Total Travel Time: 2.1940 minutes Total Cycle Time: minutes 2.6690 **Load Bucket Capacity** Rated Capacity: 5.60 LCY (heaped) Bucket Fill Factor: Other - rock/dirt mixtures (100-120%) 1.100 1.100 Adjusted Capacity: 6.16 LCY Job Condition Correction Factors Site Altitude: 4532 feet Source Altitude Adj: (CAT HB) Job Efficiency: 0.83 (1 shift/day) Net Correction: 0.83 multiplier Unadjusted Hourly Unit Production: 138.48 LCY/Hour Adjusted Hourly Unit Production: 114.94 LCY/Hour Adjusted Hourly Fleet Production: 114.94 LCY/Hour **JOB TIME AND COST** Fleet size: 1 Loader(s) Total job time: 13.69 Hours

Total job cost:

\$2,551

Unit cost: \_\_\_\_ \$1.621 /LCY

# **BULLDOZER WORK**

23 Road Pit	Permit Action: 2	025	Permit/Job#:	M1979089
PROJECT IDENTIF	<u>ICATION</u>			
Task #: 03D	State: Colorado		Abbreviation:	None
Date: $\frac{65D}{8/5/2025}$	County: Mesa		Filename:	M089-03d
User: ACY			i iidiidiiid.	11100) 054
Agency or organ	nization name: DRMS			
HOURLY EQUIPME	<u></u>			
	: D8T - 8SU			
<u> </u>	ni-Universal			
Attachment: NA				
	er day			
	RG)			
Cost Breakdown:	,			
		<u>Utilization %</u>		
Ownership Cost/Hour:	\$179.60	NA 100		
Operating Cost/Hour:	\$110.45	100		
Ripper own. Cost/Hour: Ripper op. Cost/Hour:	\$0.00 \$0.00	NA 0		
Operator Cost/Hour:	\$39.46		<u></u>	
Operator Cost/Hour:	\$39.40	NA		
Total unit Cost/Hour:	\$329.51			
Total Fleet Cost/Hour:	\$659.02			
MATEDIAI OHANT	TTIEC			
MATERIAL QUANT	111ES			
Initial Volume: 787				
Swell factor: 1.00	-			
Loose volume:	LCY			
Source of estimated volume				
Source of estimated swell	factor: Cat Handbook			
HAIDI WARARY	FLON			
HOURLY PRODUCT	<u>HUN</u>			
Average push distance:	60 feet			
Unadjusted hourly produc	ction: 1,246.9 LCY/hr			
Materials consistency des	scription: Loose stockpile 1.2			
Average push gradient:	0 %			
Average site altitude:	4,532 feet			
Material weight:	1,600 lbs/LCY		<u> </u>	
Weight description:	Top Soil			
Job Condition Correction	Factor	Source		
Operator		(AVG.)		
Material consist		(CAT HB)		
Dozing me		(GEN.)		
Visik	sility: 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:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8593

Adjusted unit production: 1,071.46 LCY/hr
Adjusted fleet production: 2142.92 LCY/hr

# **JOB TIME AND COST**

Fleet size: 2 Dozer(s)
Unit cost: \$0.308/LCY

Total job time: 0.37 Hours
Total job cost: \$242

# **REVEGETATION WORK**

23 Road	111		rmit Action: 2025		b#: <u>M1979089</u>
OJECT	<u>IDENTIFIC</u>	<u>CATION</u>			
Task #:	03E	State:	Colorado	Abbreviation:	None
Date:	8/5/2025	County:	Mesa	Filename:	M089-03e
User:	ACY				
Age	ency or organ	ization name: DI	RMS		
	ING				

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Potassium nitrate, 13-46-0	250.00	pound	\$0.72	\$179.28
			Total Fertilizer Materials Cost/Acre	\$179.28

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$46.17
	<b>Total Fertilizer Application Cost/Acre</b>	\$46.17

# **TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$114.13
Total Tilling Cost/Acre	\$114.13

# **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	1.00	39.03	\$29.78
Nebraska Sedge	1.00	20.94	\$150.22
Slender Wheatgrass - San Luis	3.00	10.95	\$18.54
Red Top	1.00	114.55	\$10.72
Reedgrass, Canadian (or Blue Joint)	0.50	51.42	\$211.21
Reedgrass, Northern - Native	0.50	51.42	\$81.82
Saltgrass, Inland	1.00	13.86	\$51.03
Timothy - Climax	1.00	28.70	\$4.25
Basin Wildrye - Trailhead	1.50	6.10	\$19.99
Totals Seed Mix	10.50	336.97	\$577.56

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$242.30
	<b>Total Seed Application Cost/Acre</b>	\$242.30

### **MULCHING and MISCELLANEOUS**

#### Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered	2.00	TON	\$504.56	\$1,009.12
Herbicide - 2,4D @ 1.0 pt/ac	2.00	ACRE	\$4.44	\$8.88
Herbicide - Curtail @ 4.0 pt/ac	2.00	ACRE	\$38.14	\$76.27
Total Mulch Materials Cost/Acre				\$1,094.27

**Application** 

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$239.35
Power mulcher (MEANS 32 91 13.16 0350)		\$141.57
Weed spray, truck, aquatic area, nox. [DMG]		\$81.67
	<b>Total Mulch Application Cost/Acre</b>	\$462.59

# **NURSERY STOCK PLANTING**

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

### **JOB TIME AND COST**

 No. of Acres:
 1.6
 Cost /Acre:
 \$2,716.30

 Estimated Failure Rate:
 50%
 Cost /Acre\*:
 \$2,490.85

\*Selected Replanting Work Items: \_\_TILLING,SEEDING,MULCHING

Initial Job Cost: \$4,346.08

Reseeding Job Cost: \$1,992.68

Total Job Cost: \$6,339

2.00

# **REVEGETATION WORK**

<b>JECT</b>	<b>IDENTIFI</b>	<u>CATION</u>			
Task #: Date: User:	04E 8/5/2025 ACY	State: County:	Colorado Mesa	Abbreviation: Filename:	None M089-04e

### **Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Potassium nitrate, 13-46-0	250.00	pound	\$0.72	\$179.28
			Total Fertilizer Materials Cost/Acre	\$179.28

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$46.17
	<b>Total Fertilizer Application Cost/Acre</b>	\$46.17

# **TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$114.13
Total Tilling Cost/Acre	\$114.13

# **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	1.00	39.03	\$29.78
Nebraska Sedge	1.00	20.94	\$150.22
Slender Wheatgrass - San Luis	3.00	10.95	\$18.54
Red Top	1.00	114.55	\$10.72
Reedgrass, Canadian (or Blue Joint)	0.50	51.42	\$211.21
Reedgrass, Northern - Native	0.50	51.42	\$81.82
Saltgrass, Inland	1.00	13.86	\$51.03
Timothy - Climax	1.00	28.70	\$4.25
Basin Wildrye - Trailhead	1.50	6.10	\$19.99
Totals Seed Mix	10.50	336.97	\$577.56

Application

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$242.30
Tota	al Seed Application Cost/Acre	\$242.30

# **MULCHING and MISCELLANEOUS**

### Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered	2.00	TON	\$504.56	\$1,009.12
Herbicide - 2,4D @ 1.0 pt/ac	2.00	ACRE	\$4.44	\$8.88
Herbicide - Curtail @ 4.0 pt/ac	2.00	ACRE	\$38.14	\$76.27
Total Mulch Materials Cost/Acre				\$1,094.27

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$239.35
Power mulcher (MEANS 32 91 13.16 0350)		\$141.57
Weed spray, truck, aquatic area, nox. [DMG]		\$81.67
	<b>Total Mulch Application Cost/Acre</b>	\$462.59

# **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:	7	Cost /Acre:	\$2,716.30
Estimated Failure Rate:	50%	Cost /Acre*:	\$2,490.85
Selected Replanting Work Items:	TILLING.SEEDING.MULCHING		

Initial Job Cost:	\$19,014.10
Reseeding Job Cost:	\$8,717.98
Total Job Cost:	\$27,732
Job Hours:	2.00

# **BULLDOZER RIPPING WORK**

	Task description	Deco	ompact stockpile area				
Site	: 23 Road Pit		Permit Action:	2025	Permit/	Job#: <u>M1</u>	979089
	PROJECT ID	<u>ENTIFICATI</u>	<u>ON</u>				
	Task #: 05.	A	State: Colorado		Abbreviat	ion: None	e
	· ·	5/2025	County: Mesa		Filena	me: M08	9-05a
	User: AC	CY					
	Agency	or organization	name: DRMS				
	<b>HOURLY EQ</b>	UIPMENT CO	<u>OST</u>				
	Rasic	Machine: Cat	t D8T - 8SU		Horsepower:	310	
	Ripper Att		Shank Ripper	<del></del> ;	Shift Basis:	1 per day	
	11		11		Data Source:	(CRG)	
	Cost Breakdown						
	COSt Dicardown	<u>-</u>			Utilization %		
		Ownership C	ost/Hour:	\$179.60	NA		
		Operating C		\$110.45	100		
		er Ownership C		\$15.28	NA NA		
	Rip	per Operating C		\$9.14	100 NA		
		Operator Co Total Unit Co		\$39.46 \$353.93	NA		
		Total Fleet Co	ost/Hour: <b>\$707</b>	7.86			
	MATERIAL (	<u> UANTITIES</u>	Sele	cted estimating	g method: Area		
	Alternate Method	ds:					
Seismic:	NA		Bank Volume:	NA	BCY	NA	
Area:	25.00	acres	Rip Depth (ft):	2.00	Volume: 80,66		BCY or CC
		Source of esti	mated quantity: TR-8				
	HOURLY PR		1 3				
		<u>obeciton</u>					
	Seismic:		Seismic Velocity:	NA	feet/second		
			Seisinic velocity.	11/14			
	Area:		D' ' D 4	2.56	C /		
			ge Ripping Depth:  ge Ripping Width:	2.56 7.08	feet/pass feet/pass		
			e Ripping Length:	150.00	feet/pass		
			rage Dozer Speed:	88.00	feet/minute		
			Maneuver Time:	0.25	minutes/pass		
		Produc	tion per unit area:	0.748	acres/hour		
	Job Condition Co	orrection Factors	<u>3</u>				
	Ur	adjusted Hourly	Unit Production:	0.748	Acres/hr		
		. ,	Site Altitude:	4,532	feet		
			Altitude Adj:	1.00	(CAT HB)		
			Job Efficiency:	0.83	(1 shift/day)		
			Net Correction:	0.83	multiplier		
		Adiusted	Hourly Unit Production:	0.62	Acres/hr		
			Hourly Fleet Production:	1.24	Acres/hr		
	JOB TIME AN	ND COST					
	Fleet size:	2	Grader(s)	Total job tim	ne: <b>20.12</b>		Hours
	<del>-</del>		_	·			
	Unit cost:	\$569.767	Per acre	Total job cos	st: <b>\$14,24</b> 4	<b>!</b>	

# WHEEL LOADER – LOAD AND CARRY WORK

Task description:	Transpo	rt topsoil of stock	pile area			
e: 23 Road Pit		Permit Action	n: 2025		Permit/Job#	: M1979089
PROJECT IDEN	TIFICATION					
Task #: 05B		State: Colorac	do		Abbreviation:	None
Date: $\frac{-8/5/20}{}$	25 (	County: Mesa			Filename:	M089-05b
User: ACY						
Agency or	organization nam	ne: DRMS				
HOURLY EQUIL	PMENT COST	- -				
Basic Machin	ne: CAT 972H	<del>-</del>		Horse	ower.	287
Attachment	-					per day
7 Tittaeiiiii Titta	1. 11015 640			Data S		CRG)
G (D 11						
Cost Breakdown:			Utilizatio	on %		
Ownership C	ost/Hour	\$65.96	NA			
Operating C		\$60.89	100			
Operator C		\$59.52	NA			
Total Unit C		\$186.37	-1			
Total Fleet	Cost/Hour:	\$186.37				
			_			
MATERIAL QUA	<u>ANTITIES</u>					
Initial volume:	20,170	CCY	Sw	ell factor: 1	.215	
Loose volume:			5***		.213	
	arce of estimated		411-			
Source	of estimated swe	ii lactor: <u>Cat Ha</u>	andbook			
HOURLY PROD	UCTION					
Loader Cycle Time:		ed Basic Cycle Tir	ne (load, dum	p, maneuver):	0.525	minutes
Cycle Time 1		•			Factor (min.)	Source
•		material 0.02			0.020	(Cat HB)
		yor or dozer piled	10 ft high or	less 0 01	0.010	(Cat HB)
Truck Own		on ownership of to			-0.040	(Cat HB)
		ant operation -0.04			-0.040	(Cat HB)
Dump '		nal target 0.00			0.000	(Cat HB)
•		Net (	Cycle Time A	djustment:	-0.050	minutes
		Adj	usted Basic C	ycle Time:	0.475	minutes
Rolling Resistance –	Road Condition	<u>s</u>				
Ŧ	Haul: Soft, rutt	ed dirt, no mainter	nance or wate	r. 4" tire penet	tration 8.0	
		ed dirt, no mainter				
		,		, F		
Haul and Return Tin	<u>1e</u>					
	Length	Grade Res.	Rolling	Total Res.	Travel Time	Source
	(feet)	(%)	Res. (%)	(%)	(minutes)	
Haul Route:	900	0.00	8.00	8.00	1.0454	(Cat HB)
Return Route:	900	0.00	8.00	8.00	0.9292	(Cat HB)

Loader Worksheet Cont'd Task # 05B Page 2 of 2

			Total Travel Total Cycle T		minutes minutes
<u>Load Bucket Capacity</u>					
Rated Capac Bucket Fill Fact Adjusted Capac	or: 1.100	LCY (heap	ped) ck/dirt mixtures	(100-120%) 1.100	
Job Condition Correction Site Altitude: 4532 feet					
	1.00 0.83 0.83 nadjusted Hourly Un Adjusted Hourly Un Adjusted Hourly Fle	nit Production:	<del></del>	LCY/Hour LCY/Hour LCY/Hour	
JOB TIME AND CO	<u>OST</u>				
Fleet size:	1 Loader(	$(\mathbf{s})$	Total job time:	195.69	Hours

Unit cost: \_\_\_\_\$1.488 /LCY

Total job cost: **\$36,471** 

# BULLDOZER WORK

Task description: G	rade half of transported to	psoil for stockpile area		
23 Road Pit	Permit Action:	2025	Permit/Job#:	M1979089
PROJECT IDENTIFICA	<u>TION</u>			
Task #: 05C	State: Colorado		Abbreviation:	None
Date: $\frac{0.500}{8/5/2025}$	County: Mesa		Filename:	M089-05c
User: ACY	Countytvicsa	<del></del>	i nename.	W1007-03C
Agency or organizati	ion name: DRMS			
HOURLY EQUIPMENT	COST			
Basic Machine: Cat D8T				
Horsepower: 310		<del></del>		
Blade Type: Semi-U	niversal	<del>_</del>		
Attachment: NA				
Shift Basis: 1 per da	V	<del></del>		
Data Source: (CRG)	<del>v</del>	<del></del>		
		<del></del>		
Cost Breakdown:		114:1:- 4: 0/		
Ournarchin Cast/Haur	\$179.60	Utilization %		
Ownership Cost/Hour:	\$179.00	NA 100		
Operating Cost/Hour: Ripper own. Cost/Hour:	\$110.43	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$39.46	NA		
Total unit Cost/Hour: \$3	29.51			
	59.02			
MATERIAL QUANTITI	<u>ES</u>			
Initial Volume: 12,254				
	CV			
Loose volume: 12,254 L	<u>CY</u>			
Source of estimated volume:	TR-8			
Source of estimated swell fact	or: Cat Handbook			
HOURLY PRODUCTION	<u>N</u>			
Average push distance:	60 feet			
Unadjusted hourly production	: 1,246.9 LCY/hr			
Materials consistency descript	ion: Loose stockpile 1.2			
Average push gradient: 0 9				
Average site altitude: 4,5	532 feet			
Material weight:1,6	600 lbs/LCY		_	
Weight description: To	p Soil			
Job Condition Correction Fact		Source		
Operator Skill:		(AVG.)		
Material consistency:		(CAT HB)		
Dozing method:		(GEN.)		
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:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8593

Adjusted unit production: 1,071.46 LCY/hr
Adjusted fleet production: 2142.92 LCY/hr

# **JOB TIME AND COST**

Fleet size: 2 Dozer(s)
Unit cost: \$0.308/LCY

Total job time: 5.72 Hours
Total job cost: \$3,769

# **REVEGETATION WORK**

		eg stockpile a				
_	23 Road Pit	Pern	nit Action: 2025		Permit/Job#	t: <u>M1979089</u>
) D	OJECT IDENTIFICATION	) N				
. 1\		<u></u>			A11	<b>3.</b> T
	Task #: 05D	_	Colorado			None M089-05d
	Date: 8/5/2025	County: _	Mesa		Filename: _	M089-05a
	User: ACY					
	Agency or organization	name: DRM	MS			
E	RTILIZING					
M <u>a</u>	terials					
			Units /			
	Description		Acre	Unit	Cost / Unit	Cost /Acre
	Potassium nitrate, 13-46-0		250.00	pound	\$0.72	\$179.28
					Total Fertilizer Materials Cost/Acre	\$179.28
		NG 22 01 00 1	2.0120)			
	Description					Cost /Acre
	Tractor towed spreader (MEA	NS 32 01 90.1	3 0120)			\$46.17
			Total	Fertilizer A <sub>l</sub>	oplication Cost/Acre	\$46.17
	LLING					
	Description					Cost /Acre
	<b>Description</b> Disc harrowing, 6" deep (MEA)	ANS 32 91 13.	23 6100)			<b>Cost /Acre</b> \$114.13
		ANS 32 91 13.	23 6100)	To	tal Tilling Cost/Acre	
		ANS 32 91 13.	23 6100)	To	tal Tilling Cost/Acre	\$114.13
SIE]	Disc harrowing, 6" deep (ME	ANS 32 91 13.	23 6100)	I I I	Rate – PLS Seeds per SQ. ET	\$114.13
E	Disc harrowing, 6" deep (ME.  EDING  Seed Mix	ANS 32 91 13.	23 6100)	I I I	Rate – PLS Seeds per SQ. FT	\$114.13 \$114.13 Cost /Acre
E	Disc harrowing, 6" deep (ME.  EDING  Seed Mix  Indian Ricegrass - Paloma		23 6100)	H   H   H   3	Rate – PLS Seeds per SQ. FT  3.12 10.10	\$114.13 \$114.13 Cost /Acre
	Disc harrowing, 6" deep (ME.  EDING  Seed Mix  Indian Ricegrass - Paloma Bluebunch Wheatgrass - Seca		23 6100)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Rate – PLS Seeds per SQ. FT 10.10 5.00 9.64	\$114.13 \$114.13 Cost /Acre \$65.59 \$32.29
SE)	Disc harrowing, 6" deep (ME.  EDING  Seed Mix  Indian Ricegrass - Paloma		23 6100)	1 H 1 H 2 3 3 3 3 3 0 0	Rate – PLS Seeds per SQ. FT  3.12 10.10	\$114.13 \$114.13 Cost /Acre

$\mathbf{A}$	plication		

**Totals Seed Mix** 

0.50

8.07

1.32

33.71

Needle and Thread

\$41.69

\$179.49

Description		Cost /Acre
Drill Seeding (DRMS Survey Cost)		\$242.30
	<b>Total Seed Application Cost/Acre</b>	\$242.30

### **MULCHING and MISCELLANEOUS**

### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered	2.00	TON	\$504.56	\$1,009.12
Herbicide - 2,4D @ 1.0 pt/ac	2.00	ACRE	\$4.44	\$8.88
Herbicide - Curtail @ 4.0 pt/ac	2.00	ACRE	\$38.14	\$76.27
Total Mulch Materials Cost/Acre				\$1,094.27

**Application** 

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$239.35
Power mulcher (MEANS 32 91 13.16 0350)		\$141.57
Weed spray, truck, non-aquatic area, nox. [DMG]		\$249.08
	Total Mulch Application Cost/Acre	\$630.00

### **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:
 25
 Cost /Acre:
 \$2,485.64

 Estimated Failure Rate:
 50%
 Cost /Acre\*:
 \$2,260.19

\*Selected Replanting Work Items: TILLING, SEEDING, MULCHING

Initial Job Cost: \$62,141.00

Reseeding Job Cost: \$28,252.38

Total Job Cost: \$90,393

Job Hours: 40.00

# **REVEGETATION WORK**

23 Road Pit	Permit A	Permit Action: 2025 Permit/Job#:				
PROJECT IDENTIFIC           Task #:         06A           Date:         8/5/2025           User:         ACY		orado sa		Ab		None M089-06a
ERTILIZING	Euron name. Dicivis					
<b>Taterials</b>						
Description		Units / Acre	Unit	Cos	st / Unit	Cost /Acre
				\$		\$
				Tot	tal Fertilizer Materials Cost/Acre	\$0.00
TILLING  Description						\$0.00  Cost /Acre
						\$
			, .	Fotal Tillin	g Cost/Acre	\$0.00
SEEDING						
Seed Mix				Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
						\$
		Totals 5	Seed Mix	0.00	0.00	\$0.00
Application						
p. p						
Description						Cost /Acre

	Π
Total Sood, Application Cost/Application	
Total Seed Application Cost/Acre \$0.00	

### **MULCHING and MISCELLANEOUS**

#### Materials

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

**Application** 

Description		Cost /Acre
		\$
	TAIMILA PAR CAN	
	<b>Total Mulch Application Cost/Acre</b>	\$0.00

### **NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Cottonwood, Plains	30	Container, 5 gallon (MEANS)	\$49.40	\$2.40	\$1,482.00
	\$1,482.00				

# **JOB TIME AND COST**

No. of Acres:	1	Cost /Acre:	\$1,482.00	
Estimated Failure Rate:	50%	Cost /Acre*:	\$1,482.00	
*Selected Replanting Work Items:	NURSERY			

Initial Job Cost:
Reseeding Job Cost:
Total Job Cost:
Job Hours:

\$1,482.00
\$741.00
\$2,223
30.00

# MISCELLANEOUS TRUCK WORK

1 as	k description:	water Trees 2 hrs wkly			
e: <u>2</u>	3 Road Pit	Permit Action	on: 2025	Permit/Job#:	M1979089
<u>PR</u>	OJECT IDENTIF	<u>FICATION</u>			
7	Γask #: 07B	State: Colors	ado	Abbreviation:	None
	Date: 8/5/2025 User: ACY	County: Mesa		Filename:	M089-07b
	Agency or orga	nnization name: DRMS			
<u>HO</u>	OURLY EQUIPMI	ENT COST			
	Make and Model:	Water Tanker, 2,500 Gal.		Horsepow	ver:150
	Attachment 1:			Shift Ba	
	Attachment 2:			Weig	ght: 5.25
	Labor Unit 1:	General Laborer			(US Tons
	Labor Unit 2:				
Cos	st Breakdown:				
			Utilization %		
	Ownership Cost/	Hour: \$12.20	NA		
	Operating Cost/		100		
	Operator Cost/	Hour: \$27.87	NA		
	Total Unit Cost/	Hour: \$61.55			
	Total Fleet Cost	/Hour: \$61.55			
<u>JO</u>	B TIME AND C	<u>OST</u>			
	Fleet size:	1 Truck(s)	Total job time:	104.00	Hours
	Unit cost: \$63	1.55 /Hour	Total job cost:	\$6,401	

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task descri	ption: <u>Ini</u>	tial Mobilizatior	1				
ite: 23 Road Pit		Permi	t Action: 20	)25	Per	rmit/Jo	b#: <u>M1979089</u>
PROJECT	DENTIFICATI	<u>ION</u>					
Task #:	10A		Colorado		Abbrevi		None
Date: User:	8/5/2025 ACY	County: N	/lesa		Filer	name:	M089-10a
Ag	gency or organization	n name: DRM	S				
EQUIPME	ENT TRANSPOR	T RIG COST					
					Shift basis		1 per day
					Cost Data Source	:	CRG Data
	Truck Tractor Desc	cription: GEN	ERIC ON-HI		Y TRUCK TRACTOR 00 HP (2ND HALF, 20		DIESEL POWERED,
	Truck Trailer Desc	eription:	GENERIC FO		GOOSENECK, DRO		K EOUIPMENT
					ILER (25T, 50T, AND		
Cost Breakd	own:						
Available	Rig Capacities	0-25 Tons	26-50 To	ns	51+ Tons		
	ership Cost/Hour:	\$21.47	\$38.32		\$48.96		
	erating Cost/Hour:	\$31.47	\$60.11		\$65.86		
Or	perator Cost/Hour:	\$22.52	\$22.52		\$22.52		

\$22.25

\$143.20

\$22.25

\$159.59

\$0.00

\$75.46

### **NON ROADABLE EQUIPMENT:**

Total Unit Cost/Hour:

Helper Cost/Hour:

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		
Submersible pump - 460v, 8 in.	0.70	\$10.51	\$75.46	3	\$257.91	\$226.38	\$250.00
Cat 627G w/push- pull	43.48	\$240.49	\$143.20	4	\$1,534.76	\$572.80	\$1,000.00
Cat D8T - 8SU	47.71	\$179.60	\$143.20	2	\$645.60	\$286.40	\$500.00
CAT PS-150C (2004)	5.39	\$118.49	\$75.46	1	\$193.95	\$75.46	\$250.00
CAT 972H	28.00	\$65.96	\$143.20	1	\$209.16	\$143.20	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$5.99	\$75.46	1	\$81.45	\$75.46	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$29.91	\$75.46	1	\$105.37	\$75.46	\$250.00

Subtotals: \$3,028.20 \$1,455.16 \$2,750.00

### **ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Water Tanker, 2,500 Gal.	\$61.55	1	\$61.55	\$61.55
Flatbed Truck, 4x2, 30K GVW	\$76.98	1	\$76.98	\$76.98

Light Duty Pickup, 4x4, 1 T.	\$141.71	1	\$141.71	\$141.71
Crew				

Subtotals: **\$280.24 \$280.24** 

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

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

Total one-way travel distance:

Average Travel Speed:

5.00 miles 40.00 mph

Total Non-Roadable Mob/Demob Cost \*

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

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

\$70.06

\$12,677.24

#### **Transportation Cycle Time:**

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.13	0.13
Return Time (Hours):	0.13	0.13
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.25	0.25

### **JOB TIME AND COST**

Total job time: 2.50 Hours

Total job cost: **\$12,747** 

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Secondary Mobiliz	ation		
te: 23 Road Pit	Permi	t Action: <u>2025</u>	Permit/Jo	b#: <u>M1979089</u>
PROJECT IDENTIFICA	<u>TION</u>			
Task #: _ 10B	State: C	Colorado	Abbreviation:	None
Date: $\frac{8/5/2025}{ACY}$	County: N	Mesa	Filename:	M089-10b
Agency or organizat	tion name: <u>DRM</u>	S		
EQUIPMENT TRANSPO	ORT RIG COST			
			Shift basis:	1 per day
			Cost Data Source:	CRG Data
Truck Tractor De	escription: GEN	ERIC ON-HIGHW	AY TRUCK TRACTOR, 6X4,	DIESEL POWERED,
			400 HP (2ND HALF, 2006)	
Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT				
		TR	AILER (25T, 50T, AND 100T	)
Cost Breakdown:				
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons	
Ownership Cost/Hour	: \$21.47	\$38.32	\$48.96	
Operating Cost/Hour	: \$31.47	\$60.11	\$65.86	
Operator Cost/Hour	: \$22.52	\$22.52	\$22.52	
Helper Cost/Hour	: \$0.00	\$22.25	\$22.25	
Total Unit Cost/Hour	: \$75.46	\$143.20	\$159.59	

### **NON ROADABLE EQUIPMENT:**

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		
Drill/Broadcast	25.00	\$5.99	\$75.46	1	\$81.45	\$75.46	\$250.00
Seeder with							
Tractor							
Power Mulcher	6.00	\$29.91	\$75.46	1	\$105.37	\$75.46	\$250.00
(Bowie LD-90)							

Subtotals: \$186.82 \$150.92 \$500.00

# **ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 4x2, 30K GVW	\$76.98	1	\$76.98	\$76.98
Light Duty Pickup, 4x4, 1 T.	\$141.71	1	\$141.71	\$141.71
Crew				

Subtotals:	\$218.69	<b>\$218.69</b>

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

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

GRAND JUNCTION
miles
40.00
mph

#### <u>Transportation Cycle Time:</u>

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.13	0.13
Return Time (Hours):	0.13	0.13
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.25	0.25

### **JOB TIME AND COST**

Total job cost: 2.50 Hours

Total job cost: \$1,513



Update based on 2025 Inspection.

### Changes

Task	Form Used	Description
<del>01a</del>	<del>Demo</del>	Remove Scale 70'x12' haul off site-no disposal trade for scrap
		Demo Scale house 9'x18'x8' and push into Pond 1
		Remove misc. equipment (not mining related) from areas to be regraded or reveg. Est 20-30 cy haul off site-no disposal trade for scrap
<del>02a</del>	Pump	Dewater Pond 2 – 4.6 ac approx. dewatered 6 ft. (47.6 ac.ft)
		Pump into Pond 3, 100 ft. away, use 3 pumps
		Recharge from bottom (690,960 sq.ft.) Med porosity
<del>02b</del>	Dozer	Grade approx. 355 LF of 1:1 slopes to 3H:1V at 14' H
		<del>backfill slopes = 2,425 CCY</del>
<del>02c</del>	Loader	Transport topsoil for Pond 2 veg buffer use 972H
		1.7 ac @ 6" deep is 1,390 CCY of topsoil
<del>02d</del>	Dozer	Grade half of transported topsoil around Pond 2 = 846 LCY
02e	Reveg	Reveg topsoiled areas around pond 2 = 1.7 ac
		Riparian mix
03a	Pump	Dewater Pond 3 – 5.6 ac approx. dewatered 10 ft. (56 ac.ft)
		Pump into Pond 4 or 2, 100 ft. away, use 3 pumps
		Recharge from bottom (435,600 sq.ft.) Med porosity
03b	Dozer	Grade approx. 485 LF of 2:1 to 3H: 1V at 12' H
		Backfilled slopes = 1,295 CCY
03c	Loader	Transport topsoil for Pond 3 veg buffer use 972H
		1.6 ac @ 6" deep is 1,295 CCY of topsoil
03d	Dozer	Grade half of transported topsoil around Pond 3 = 787 LCY
03e	Reveg	Reveg topsoiled areas around pond 3 = 1.6 ac



		Riparian mix
<del>04a</del>	Pump	Dewater Pond 4 — 15.8 ac approx. dewatered 8 ft. (126.4 ac.ft)  Pump into Pond 3, 100 ft. away, use 3 pumps  Recharge from bottom (174,420 sq.ft.) Med porosity
<del>04b</del>	Dozer	Grade approx. 3,830 LF of 2:1 slopes to 3H:1V at 24' H cut/fill slopes = 39,900 BCY
<del>04c</del>	Loader	Transport topsoil for Pond 4 veg buffer  7 ac @ 6" deep is 5,620 CCY of topsoil
<del>04d</del>	<del>Dozer</del>	Grade half of transported topsoil around Pond 4 = 3,141 LCY
04e	Reveg	Reveg topsoiled areas around pond 4 = 7 ac Riparian mix
05a	Ripper	Decompact stockpile areas 25 acres
05b	Loader	Transport topsoil to stockpile areas 25 ac @ 6" deep is 20,170 CCY
05c	Dozer	Grade half of transported topsoil around stockpile area = 12,254 LCY
05d	Reveg	Reveg stockpile area 25 ac with dryland mix
06a	Reveg	Plant container stock of Cottonwoods 30 from TR-7 @ 30 min each
07b	Misc. Truck	Water trees weekly, 2 hr per week for 1 yr per AM-3 Adequacy response
10a	Mob	Initial Mobilization
10b	Mob	Secondary Mobilization
Indirect		Add contingency and Job superintendent costs Total indirect cost is approx. 30% of direct cost

Please feel free to contact me with any further questions. Amy Yeldell at the Division of Reclamation, Mining and Safety, Rm 215,  $1001 E 62^{nd}$  Ave, Denver CO 80216. Direct contact can be made by phone at 303-866-3567 Ext 8183 or via email at amy.yeldell@ state.co.us

Sincerely,

Amy Yeldell

**Environmental Protection Specialist** 

Ec:

Travis Marshall, Senior EPS, Grand Junction DRMS