

May 30, 2024

Justin Bilyeu Shale Tech International Services LLC 1354 County Road 246 Rifle, CO 81650

Re: Duck Creek Mine - File No. M-2013-022 Shale Tech International Services LLC Surety Increase (SI-1) Notice of Surety Increase based on site conditions of 8-8-23 inspection and inflationary increase.

Dear Justin Bilyeu:

On May 30, 2024 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$575,251.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$179,368.14.

Notice of Surety Increase based on site conditions of 8-8-23 inspection and inflationary increase. Draft calculation provided to Operator with updated unit costs in Q1 of 2024. No objections ready to issue.

Please see the August 8, 2023 inspection report for details regarding why this surety increase is required.

On May 30, 2024, the Division ordered amendment of the current Financial Warranty or submittal of a new Financial Warranty reflecting the increase, within 60 days.

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567 (8148), or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit if the amount of any increased Financial Warranty has not been provided by July 29, 2024.

Bond Held:	\$395,882.86
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Prior Liability:	\$395,882.86
Change in Liability:	\$179,368.14
Revised Liability:	\$575,251.00
Prior Permit Acreage:	5.00
Change in Permit Acreage:	0.00
Revised Permit Acreage:	5.00
Prior Affected Acreage:	5.00
Change in Affected Acreage:	0.00
Revised Affected Acreage:	5.00

If you have any questions, please contact me by telephone at (303) 866-3567 x 8183, or by email at Amy.yeldell@state.co.us.

Sincerely,

Amy Geldell

Amy C. Yeldell Environmental Protection Specialist

cc: Deena Stanley

M-GR-04

COST SUMMARY WORK

Task description:2023 U		2023 Updated co	ost					
Site:	Site: Duck Creek Mine		Per	Permit Action: 2023		Permit/Jol	Permit/Job#: <u>M2013022</u>	
<u>P</u>]	ROJECT Task #:	IDENTIFIC	CATION State:	Colorado		Abbreviation:	None	
	Date:	12/18/2023 ACY		Rio Blanco			M022-ACY	
	Age	ency or organi	zation name: DF	RMS				

TASK LIST (DIRECT COSTS)

		Form	Fleet	Task	
Task	Description	Used	Size	Hours	Cost
01a	Transport and place 6,618 LCY of backfill in Area 1	LOADER	1	18.13	\$2,926
02a	Place and grade backfill in Area 1	EXCAVATE	1	7.57	\$1,933
03a	Place topsoil over Area 1	EXCAVATE	1	0.95	\$244
04a	Backfill Area 2	EXCAVATE	1	12.92	\$3,299
05a	Transport topsoil 500' to Area 2	LOADER	1	1.00	\$163
05b	Place topsoil on Area 2	EXCAVATE	1	0.81	\$209
06a	Backfill Area 3	DOZER	1	45.65	\$19,476
07a	Contour backfilled slope in Area 3	EXCAVATE	1	55.15	\$14,075
08a	Purchase 1,800 Cy of topsoil and deliver to site	TRUCK1	1	412.51	\$318,401
09a	Transport1800 CY topsoil 300' from dump location to Area 3	LOADER	1	5.29	\$854
10a	Distribute topsoil in Area 3	EXCAVATE	1	3.87	\$989
11a	Revegetate 5 acres disturbance	REVEGE	1	24.00	\$78,234
12a	Initial Mobilization	MOBILIZE	1	10.00	\$13,458
12b	Secondary Mobilization	MOBILIZE	1	4.00	\$1,023
		<u>SUBTO</u>	TALS:	601.85	\$455,284

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$9,197
Performance bond:	1.05	Total =	\$4,780
Job superintendent:	300.93	Total =	\$19,584
Profit:	10.00	Total =	\$45,528
		TOTAL O & P =	\$79,090
		CONTRACT AMOUNT (direct + O & P) =	\$534,374

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

\$500	Total =	\$500
0.00	Total =	\$0
5.00		\$26,719
3.00	Total =	\$13,659
TOTAL IN	DIRECT COST =	\$119,967
ND AMOUNT (di	rect + indirect) =	\$575,251
	0.00 5.00 3.00 TOTAL IN	0.00 Total = 5.00

Page 1 of 2

WHEEL LOADER - LOAD AND CARRY WORK

Duck Creek Mine		Permit Actio	n: 2023		Perm	it/Job#:	M2013022
PROJECT IDENTIF	ICATION						
Task #: 01A		State: Colora	do		Abbrevi	ation	None
Date: $12/18/2023$		ounty: Rio Bla				name:	M022-01a
User: ACY	<u>, </u>	unty. <u>Rio Di</u>			The	iame.	10022 01u
Agency or orga	nization name	: DRMS					
HOURLY EQUIPMI	ENT COST						
Basic Machine:	CAT 980H			Horse	epower:		315
Attachment 1:	ROPS Cab				t Basis:		er day
·····					Source:	-	CRG)
Cast Day als damme							e.
Cost Breakdown:			Utilizatio	n %			
Ownership Cost/	Hour	\$61.69	NA	JII 70			
Operating Cost/		\$58.92	100				
Operator Cost/		\$40.71	NA	_			
Total Unit Cost/		\$161.32					
Total Fleet Cost	/Hour:	\$161.32					
MATERIAL QUANT	FTTIES 5,620	CCY	Swe	ell factor:	1.000		
Loose volume:	6,620	LCY					
Source	of estimated v	olume: Table	C1				
	stimated swell		andbook				
	, inflated 5 went						
HOURLY PRODUC	TION						
Loodon Cuolo Timou	TT 1		(1 1 1	、 、		0	
Loader Cycle Time:	Unadjusted	l Basic Cycle Ti	me (load, dum	p, maneuver)): <u> </u>	550	minutes
Cycle Time Facto	ors	-		p, maneuver)	Factor (m		Source
Cycle Time Facto Materi	ors ial: Material	1 3/4" to 6" diam	eter 0.00		Factor (m 0.000		Source (Cat HB)
Cycle Time Facto Materi Stockpi	ors ial: Material ile: Conveyo	1 3/4" to 6" diam or or dozer piled	eter 0.00 10 ft. high or		Factor (m 0.000 0.010		Source (Cat HB) (Cat HB)
Cycle Time Facto Materi Stockpi Truck Ownersh	ors ial: Material ile: Conveyo ip: Indepen	3/4" to 6" diam or or dozer piled dently owned tru	eter 0.00 10 ft. high or 10 cks 0.04		Factor (m 0.000 0.010 0.040	in.)	Source (Cat HB) (Cat HB) (Cat HB)
Cycle Time Factor Materi Stockpi Truck Ownersh Operatio	ors ial: Material ile: Conveyo ip: Indepen- on: Constan	3/4" to 6" diam or or dozer piled dently owned tru t operation -0.04	eter 0.00 10 ft. high or 10 cks 0.04		Factor (m 0.000 0.010 0.040 -0.040	in.)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Cycle Time Facto Materi Stockpi Truck Ownersh	ors ial: Material ile: Conveyo ip: Indepen- on: Constan	3/4" to 6" diam or or dozer piled dently owned tru t operation -0.04 carget 0.05	eter 0.00 10 ft. high or acks 0.04	less 0.01	Factor (m 0.000 0.010 0.040 -0.040 0.050	in.)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Cycle Time Factor Materi Stockpi Truck Ownersh Operatio	ors ial: Material ile: Conveyo ip: Indepen- on: Constan	1 3/4" to 6" diam or or dozer piled dently owned tru t operation -0.04 carget 0.05 Net	eter 0.00 10 ft. high or icks 0.04 Cycle Time A	less 0.01	Factor (m 0.000 0.010 0.040 -0.040 0.050 0.060	in.)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Cycle Time Facto Materi Stockpi Truck Ownersh Operatio Dump Targ	ors ial: Material ile: Conveye ip: Indepen on: Constan get: Fragile t	1 3/4" to 6" diam or or dozer piled dently owned tru t operation -0.04 carget 0.05 Net	eter 0.00 10 ft. high or acks 0.04	less 0.01	Factor (m 0.000 0.010 0.040 -0.040 0.050	in.)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
Cycle Time Factor Materi Stockpi Truck Ownersh Operatio	ors ial: Material ile: Conveye ip: Indepen on: Constan get: Fragile t	1 3/4" to 6" diam or or dozer piled dently owned tru t operation -0.04 carget 0.05 Net	eter 0.00 10 ft. high or icks 0.04 Cycle Time A	less 0.01	Factor (m 0.000 0.010 0.040 -0.040 0.050 0.060	in.)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Cycle Time Factor Materi Stockpi Truck Ownersh Operatio Dump Targ Rolling Resistance – Roa	al: Material ile: Conveye ip: Indepen on: Constan get: Fragile t ad Conditions	3/4" to 6" diam or or dozer piled dently owned tru t operation -0.04 carget 0.05 Net Adj	eter 0.00 10 ft. high or 10 ks 0.04 Cycle Time A usted Basic Cy	less 0.01 djustment: /cle Time:	Factor (m 0.000 0.010 0.040 -0.040 0.050 0.060 0.610	in.)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Cycle Time Facto Materi Stockpi Truck Ownersh Operatio Dump Targ	ad Conditions Rutted dire	1 3/4" to 6" diam or or dozer piled dently owned tru t operation -0.04 carget 0.05 Net	eter 0.00 10 ft. high or icks 0.04 Cycle Time A usted Basic Cy nce, no water,	less 0.01 djustment: vcle Time: 2" tire penetit	Factor (m 0.000 0.010 0.040 -0.040 0.050 0.060 0.610 ration 5.0	in.)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Cycle Time Factor Materi Stockpi Truck Ownersh Operatio Dump Targ Rolling Resistance – Roa Haul: Return:	ad Conditions Rutted dire	1 3/4" to 6" diam or or dozer piled dently owned tru t operation -0.04 arget 0.05 Net Adj	eter 0.00 10 ft. high or icks 0.04 Cycle Time A usted Basic Cy nce, no water,	less 0.01 djustment: vcle Time: 2" tire penetit	Factor (m 0.000 0.010 0.040 -0.040 0.050 0.060 0.610 ration 5.0	in.)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Cycle Time Facto Materi Stockpi Truck Ownersh Operatio Dump Targ Rolling Resistance – Roa Haul:	ad Conditions Rutted dire	l 3/4" to 6" diam or or dozer piled dently owned tru t operation -0.04 arget 0.05 Net Adj t, little maintena	eter 0.00 10 ft. high or icks 0.04 Cycle Time A usted Basic Cy nce, no water,	less 0.01 djustment: vcle Time: 2" tire penetit	Factor (m 0.000 0.010 0.040 -0.040 0.050 0.060 0.610 ration 5.0	in.)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
Cycle Time Factor Materi Stockpi Truck Ownersh Operatio Dump Targ Rolling Resistance – Roa Haul: Return:	al: Material ile: Conveye ip: Indepen- on: Constan get: Fragile t ad Conditions : Rutted dirt Length	1 3/4" to 6" diam or or dozer piled dently owned tru t operation -0.04 carget 0.05 Net Adj t, little maintena t, little maintena	eter 0.00 10 ft. high or icks 0.04 Cycle Time A usted Basic Cy nce, no water, nce, no water, Rolling	less 0.01 djustment: vcle Time: 2" tire penetn 2" tire penetn 2" tire penetn 2" tire penetn	Factor (m 0.000 0.010 0.040 -0.040 0.050 0.060 0.610 ration 5.0 ration 5.0	in.)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes
Cycle Time Factor Materi Stockpi Truck Ownersh Operatio Dump Targ Rolling Resistance – Roa Haul: Return:	ors ial: Material ile: Conveye ip: Indepen- on: Constan get: Fragile t ad Conditions : Rutted dirf	l 3/4" to 6" diam or or dozer piled dently owned tru t operation -0.04 arget 0.05 Net Adj t, little maintena	eter 0.00 10 ft. high or icks 0.04 Cycle Time A usted Basic Cy nce, no water, nce, no water,	less 0.01 djustment: /cle Time: 2" tire penetr 2" tire penetr	Factor (m 0.000 0.010 0.040 -0.040 0.050 0.060 0.610 ration 5.0	Time tes)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes

200

Return Route:

0.00

5.00

5.00

(Cat HB)

(Cat HB)

0.1599

Total Travel Time:	0.3367	minutes
Total Cycle Time:	0.9467	minutes

Load Bucket Capacity

Rated Capacity:	7.50	LCY (heaped)
Bucket Fill Factor:	0.925	Shale, Sandstone-Standing Bank (85%-100%) 0.925
Adjusted Capacity:	6.94	_ LCY

<u>Job Condition Correction Factors</u> Site Altitude: <u>7350</u> feet

		Source
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier

Unadjusted Hourly Unit Production:	439.70	LCY/Hour
Adjusted Hourly Unit Production:	364.95	LCY/Hour
Adjusted Hourly Fleet Production:	364.95	LCY/Hour

JOB TIME AND COST

Fleet size:	1	Loader(s)	Total job time:	18.14	Hours
Unit cost:	\$0.442	/LCY	Total job cost:	\$2,926	-

Task description:	Place and grade	backfill in A	Area 1			
Duck Creek Mine	Peri	mit Action:	2023	Per	rmit/Job#:	M2013022
PROJECT IDENTIFI	CATION					
Task #: 02A Date: 12/18/2023 User: ACY	State: County:	Colorado Rio Blance	0		eviation: ilename:	None M022-02a
Agency or organ	nization name: <u>DR</u>	RMS				
HOURLY EQUIPME	NT COST					
Basic Machine: Attachment 1:	Cat 345D L 12'-10 ROPS Cab	" Stick	W	Horsepower: /eight (MT): Shift Basis: Data Source:	2 1 p	380 49.37 per day CRG)
Cost Breakdown:			-		(
Ownership Cost/F Operating Cost/F Operator Cost/F Total Unit Cost/F	Hour: \$96.1 Hour: \$37.3	14 32	Utilization % NA 100 NA	-		
Total Fleet Cost/	Hour: \$255	.19				
Loose volume: 2,	978 978 f estimated volume: imated swell factor:	CCY LCY Division Cat Hand	Swell facto of Reclamation, M lbook			
HOURLY PRODUCT	TION					
Excavator Cycle Time (lo	ad bucket, swing loa	ded, dump b	oucket, swing empt	<u>y):</u>		
			ondition Descriptio	on: AVERA		
Load Bucket Capacity			Cycle Time Valu	ue: 0.315		minutes
	2.14			Bucket Size C	lass: <u>M</u>	edium
Rated Capacity Bucket Fill Factor Adjusted Capacity	: 0.825	LCY (hea Blasted r LCY	ock - avg. blasted	(75 - 90%) 0.8	325	
Job Condition Correction	Factors		Site A	Altitude: <u>7350</u> f	feet	
Altitude Adj: Job Efficiency: Net Correction:	0.96 0.83 0.80	Source (CAT HI (1 shift/da multiplier	3) ay)			
А	djusted Hourly Unit djusted Hourly Unit ljusted Hourly Fleet	Production:	493.43 393.16 393.16	LCY/Hour LCY/Hour LCY/Hour		
JOB TIME AND COS	<u>ST</u>					
Fleet size: 1	Excavato	or Te	otal job time:	7.57		Hours
Unit cost:\$0.6	549 /LCY		Total job cost:	\$1,93.	3	_

Task description:	Place topsoil over Area 1			
Duck Creek Mine	Permit Action	: 2023	Permit/Job#:	M2013022
PROJECT IDENTIE	TICATION			
Task #: 03A Date: 12/18/202 User: ACY	State:Colorad3County:Rio Blan		Abbreviation: Filename:	None M022-03a
Agency or orga	nization name: DRMS			
HOURLY EQUIPM	ENT COST			
Basic Machine: Attachment 1:	Cat 345D L 12'-10" Stick ROPS Cab	Weight Shift	t (MT): t Basis:1	380 19.37 Der day CRG)
Cost Breakdown:				
Ownership Cost		Utilization % NA		
Operating Cost Operator Cost		100 NA		
Total Unit Cost				
Total Fleet Cost	/Hour: \$255.19			
Loose volume:	144 CCY 144 LCY of estimated volume: Table 0		1.000	
		ndbook		
HOURLY PRODUC	TION			
	oad bucket, swing loaded, dum	bucket, swing empty):		
		Condition Description:	AVERAGE	
	Secondary Job Condition w		AVERAGE	
La ID da Carri		Cycle Time Value:	0.315	minutes
Load Bucket Capacity		Buck	tet Size Class: M	edium
Rated Capacit	y: 3.14 LCY (1	neaped)		culum
Bucket Fill Facto	or: 0.975 Loose	material - uniform aggrega	ates to 1/8" (95-100	%) 0.975
Adjusted Capacit	y: LCY			
Job Condition Correction	n Factors	Site Altitu	de: <u>7350</u> feet	
	Sour			
Altitude Adj: Job Efficiency:	0.96 (CAT) 0.83 (1 shift/			
Net Correction:	0.80 multipli			
	*		CY/Hour	
	adjusted Hourly Unit Production Adjusted Hourly Unit Production		CY/Hour	
	djusted Hourly Fleet Production		CY/Hour	
JOB TIME AND CO	<u>ST</u>			
	1 Excavator	Total job time:	0.96	Hours

	Backfill Area 2			
Duck Creek Mine	Permit A	action: _2023	Permit/Jo	b#: <u>M2013022</u>
PROJECT IDENTIFI	CATION			
Task #: 04A Date: 12/18/2023 User: ACY		lorado o Blanco	Abbreviatio Filenam	
Agency or organi	ization name: DRMS			
HOURLY EQUIPME	<u>NT COST</u>			
	Cat 345D L 12'-10" Stic ROPS Cab	We	Iorsepower: eight (MT): Shift Basis:	380 49.37 1 per day
Cost Breakdown:		D	Data Source:	(CRG)
Ownership Cost/H Operating Cost/H		Utilization % NA 100		
Operator Cost/H	lour: \$37.32	NA		
Total Unit Cost/H				
Total Fleet Cost/H	Hour: \$255.19			
	082 C	CY Swell factor CY	:	
HOURLY PRODUCT Excavator Cycle Time (loa		dump bucket, swing empty	<i>)</i>):	
		c Job Condition Description		
	Secondary Job Conditi	on within Basic Description Cycle Time Valu		minutes
Load Bucket Capacity		ŗ	Bucket Size Class:	Medium
Rated Capacity:		CY (heaped)	-	
Bucket Fill Factor: Adjusted Capacity:		lasted rock - avg. blasted CY	(75 - 90%) 0.825	
Bucket Fill Factor:	2.59 L	CY	(75 - 90%) 0.825 Ititude: <u>7350</u> feet	
Bucket Fill Factor: Adjusted Capacity: Job Condition Correction I Altitude Adj: Job Efficiency:	2.59 L Factors 0.96 (0 0.83 (1	CY Site A Source CAT HB) shift/day)		
Bucket Fill Factor: Adjusted Capacity: Job Condition Correction I Altitude Adj: Job Efficiency: Net Correction: Unac Ad	2.59 L Factors 0.96 (0 0.83 (1 0.80 mi ijusted Hourly Unit Prod ijusted Hourly Unit Prod	CY Source CAT HB) shift/day) ultiplier uction: 493.43 uction: 393.16	ltitude: <u>7350</u> feet LCY/Hour LCY/Hour	
Bucket Fill Factor: Adjusted Capacity: Job Condition Correction I Altitude Adj: Job Efficiency: Net Correction: Unac Ad	2.59LFactors0.960.830.80multiplusted Hourly Unit Proddjusted Hourly Unit Prodjusted Hourly Fleet Prod	CY Source CAT HB) shift/day) ultiplier uction: 493.43 uction: 393.16	ltitude: <u>7350</u> feet	
Bucket Fill Factor: Adjusted Capacity: Job Condition Correction I Altitude Adj: Job Efficiency: Net Correction: Unac Ad	2.59LFactors0.960.830.80multiplusted Hourly Unit Proddjusted Hourly Unit Prodjusted Hourly Fleet Prod	CY Source CAT HB) shift/day) ultiplier uction: 493.43 uction: 393.16	ltitude: <u>7350</u> feet LCY/Hour LCY/Hour	Hours

WHEEL LOADER - LOAD AND CARRY WORK

	State: <u>Colorad</u> County: <u>Rio Bla</u> on name: <u>DRMS</u> <u>COST</u> 980H <u>S Cab</u> \$61.69 \$58.92	do	Horsep Shift I Data Sc	Abbreviation: Filename: ower: Basis:1	M2013022 None M022-05a 315 per day CRG)
Task #: 05A Date: 12/18/2023 User: ACY Agency or organization HOURLY EQUIPMENT (Comparison) Basic Machine: CAT Attachment 1: ROP: Cost Breakdown: Ownership Cost/Hour: Operating Cost/Hour: Operator Cost/Hour: Operator Cost/Hour: Total Unit Cost/Hour:	State: <u>Colorad</u> County: <u>Rio Bla</u> on name: <u>DRMS</u> <u>COST</u> 980H <u>S Cab</u> \$61.69 \$58.92	unco Utilizatio	Shift I Data Sc	Filename:	M022-05a 315 per day
Date: 12/18/2023 User: ACY Agency or organization HOURLY EQUIPMENT (Basic Machine: CAT Attachment 1: ROPS Cost Breakdown: Ownership Cost/Hour: Operating Cost/Hour: Operator Cost/Hour: Total Unit Cost/Hour:	County: <u>Rio Bla</u> on name: <u>DRMS</u> <u>COST</u> <u>980H</u> <u>S Cab</u> <u>\$61.69</u> <u>\$58.92</u>	unco Utilizatio	Shift I Data Sc	Filename:	M022-05a 315 per day
Date: 12/18/2023 User: ACY Agency or organization HOURLY EQUIPMENT (Basic Machine: CAT Attachment 1: ROPS Cost Breakdown: Ownership Cost/Hour: Operating Cost/Hour: Operator Cost/Hour: Total Unit Cost/Hour:	County: <u>Rio Bla</u> on name: <u>DRMS</u> <u>COST</u> <u>980H</u> <u>S Cab</u> <u>\$61.69</u> <u>\$58.92</u>	unco Utilizatio	Shift I Data Sc	Filename:	M022-05a 315 per day
User: ACY Agency or organization HOURLY EQUIPMENT (Basic Machine: CAT Attachment 1: ROP Cost Breakdown: Ownership Cost/Hour: Operating Cost/Hour: Operator Cost/Hour: Total Unit Cost/Hour:	on name: DRMS COST 980H 980H \$61.69 \$61.69 \$58.92	Utilizatio	Shift I Data Sc	ower:1 Basis:1 [315 per day
HOURLY EQUIPMENT (Basic Machine: CAT Attachment 1: ROP Cost Breakdown: Cost/Hour: Ownership Cost/Hour: Operating Cost/Hour: Operator Cost/Hour: Total Unit Cost/Hour:	COST 980H S Cab \$61.69 \$58.92		Shift I Data Sc	Basis: 1 p	ber day
Basic Machine: <u>CAT</u> Attachment 1: <u>ROP</u> <u>Cost Breakdown:</u> Ownership Cost/Hour: Operating Cost/Hour: Operator Cost/Hour: Total Unit Cost/Hour:	980H S Cab \$61.69 \$58.92		Shift I Data Sc	Basis: 1 p	ber day
Attachment 1: ROP Cost Breakdown: Ownership Cost/Hour: Operating Cost/Hour: Operator Cost/Hour: Total Unit Cost/Hour:	\$ Cab \$61.69 \$58.92		Shift I Data Sc	Basis: 1 p	ber day
Attachment 1: ROP Cost Breakdown: Ownership Cost/Hour: Operating Cost/Hour: Operator Cost/Hour: Total Unit Cost/Hour:	\$ Cab \$61.69 \$58.92		Shift I Data Sc	Basis: 1 p	ber day
Cost Breakdown: Ownership Cost/Hour: Operating Cost/Hour: Operator Cost/Hour: Total Unit Cost/Hour:	\$61.69 \$58.92		Data So	_	
Ownership Cost/Hour: Operating Cost/Hour: Operator Cost/Hour: Total Unit Cost/Hour:	\$58.92		om 0/		
Ownership Cost/Hour: Operating Cost/Hour: Operator Cost/Hour: Total Unit Cost/Hour:	\$58.92		0/		
Operating Cost/Hour: Operator Cost/Hour: Total Unit Cost/Hour:	\$58.92	NA	ЛI %		
Operating Cost/Hour: Operator Cost/Hour: Total Unit Cost/Hour:					
Total Unit Cost/Hour:		100			
	\$40.71	NA			
Total Fleet Cost/Hour	\$161.32				
1 5 mi 1 1001 C050/11001.	\$161.32				
	~				
MATERIAL QUANTITIE					
Initial volume: 380	CCY	Swe	ell factor: 1.	000	
Loose volume:	380 LCY				
Source of estin	mated volume: Table	C1			
Source of estimate		andbook			
HOURLY PRODUCTION	[
Loader Cycle Time: Una	adjusted Basic Cycle Tir	ne (load, dum	p, maneuver):	0.550	minutes
Cycle Time Factors	-		-	Factor (min.)	Source
	Material 3/4" to 6" diam	eter 0.00		0.000	(Cat HB)
	Dumped by truck 0.02			0.020	(Cat HB)
Truck Ownership: 1	No adjustment - factor n	ot applicable (0.00	0.000	(Cat HB)
Operation: 0	Constant operation -0.04	ŀ		-0.040	(Cat HB)
Dump Target: 1	Fragile target 0.05			0.050	(Cat HB)
		Cycle Time A		0.030	minutes
	Adj	usted Basic C	ycle Time:	0.580	minutes
Rolling Resistance – Road Con	ditions				
-			o., .		
	tted dirt, little maintenar				
Return: Ru	tted dirt, little maintenar	nce, no water,	2 ure penetra	0011 3.0	
Iaul and Return Time					
Leng	th Grade Res.	Rolling	Total Res.	Travel Time	_
(feet		Res. (%)	(%)	(minutes)	Source
Haul Route: 200	· · · · · · · · · · · · · · · · · · ·	5.00	5.00	0.1768	(Cat HB)

Return Route:

200

0.00

5.00

5.00

(Cat HB)

0.1599

			Total Travel Tin Total Cycle Tin		minutes minutes				
Load Bucket Capacity									
Rated Capac Bucket Fill Fac Adjusted Capac	tor: 0.925	LCY (hea Loose ma	• ·	" (90 - 95%) 0.925					
Job Condition Correcti Site Altitude: <u>7350</u> fee									
		Source							
Altitude Adj:	1.00	(CAT HB	3)						
Job Efficiency:	0.83	(1 shift/da	y)						
Net Correction:	0.83	multiplier							
Ŭ	Inadjusted Hourly Ur	nit Production:	454.08	LCY/Hour					
	Adjusted Hourly Ur	nit Production:	376.89	LCY/Hour					
	Adjusted Hourly Fle	et Production:	376.89	LCY/Hour					
JOB TIME AND COST									
Fleet size:	1 Loader	(s)	Total job time:	1.01	Hours				

 Unit cost:
 \$0.428
 /LCY
 Total job cost:
 \$163

Task description:	Place	topsoil on A	rea 2				
Duck Creek Mine		Perm	it Action:	2023	Pe	ermit/Job#:	M2013022
PROJECT IDENT	IFICATIO	<u>DN</u>					
Task #: 05B Date: 12/18/2 User: ACY	023	State: _ County: _	Colorado Rio Blance	0		reviation:	None M022-05b
Agency or or	rganization r	name: DR	MS				
HOURLY EQUIP	MENT CO	<u>ST</u>					
Basic Machine		DL 12'-10"	Stick		Horsepower:		380
Attachment 1	: ROPS C	Cab			Weight (MT): Shift Basis:		9.37 er day
					Data Source:	•	CRG)
Cost Breakdown:							
		¢101.7	2	Utilization %			
Ownership Co Operating Co		<u>\$121.7</u> \$96.14		NA 100			
Operator Co		\$37.32		NA			
Total Unit Co	st/Hour:	\$255.1	9				
Total Fleet Co	ost/Hour:	\$255.	19				
MATERIAL QUA	NTITIES						
Initial volume:	380		CCY	Swell fact	or: <u>1.000</u>		
Loose volume:	380		LCY				
	ce of estimat		Table C1				
Source of	f estimated s	well factor:	Cat Hand	lbook			
HOURLY PRODU	ICTION						
Excavator Cycle Time	e (load bucke	et, swing load	led, dump b	oucket, swing emp	oty):		
-		-	- Basic Job C	ondition Descript	tion: AVERA	GE	
	Secon			in Basic Descript			
		•		Cycle Time Va			minutes
Load Bucket Capacity	-						
	•.	0.1.4		T)	Bucket Size C	Class: <u>Me</u>	edium
Rated Capa Bucket Fill Fa		3.14 0.975	LCY (hea	aped) aterial - uniform a	aggregates to 1/9	8" (95_1000	6) 0 975
Adjusted Capa		3.06	LOUSE III		66105aics to 1/0	5 (55-1007	0,0.715
Job Condition Correct			-	Site	Altitude: <u>7350</u>	feet	
			Source				
Altitude Adj			(CAT HI	,			
Job Efficiency			(1 shift/da				
Net Correction			multiplier				
1		Hourly Unit F		583.14	LCY/Hour		
		Hourly Unit F lourly Fleet F		<u>464.65</u> 464.65	LCY/Hour LCY/Hour		
JOB TIME AND (c .	is unity i feet I	1000000000				
Fleet size:	1	Excavator	r Тı	otal job time:	0.82	}	Hours
	•	Liteuvito	. 1	Joe mie.	0.02		110010

BULLDOZER WORK

Task description:	Backfill Area 3	}			
Duck Creek Mine	P	ermit Action:	2023	Permit/Job#:	M2013022
PROJECT IDENTIF	FICATION				
Task #: 06A	State	: Colorado		Abbreviation:	None
Date: 12/18/2023	3 County	: Rio Blance)	Filename:	M022-06a
User: ACY					
Agency or orga	anization name: <u>I</u>	ORMS			
HOURLY EQUIPMI	ENT COST				
	ut D8T - 8SU				
Horsepower: 31					
••	mi-Universal				
Attachment: NA					
· · · · · · · · · · · · · · · · · · ·	per day				
Data Source: (C	RG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:		\$241.38	NA		
Operating Cost/Hour:		\$143.92	100		
Ripper own. Cost/Hour:		\$0.00 \$0.00	NA		
Ripper op. Cost/Hour:			0		
Operator Cost/Hour:		\$41.30	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$426.60 \$426.60				
Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: _23,0	\$426.60 FITIES 000				
Total Fleet Cost/Hour: <u>MATERIAL QUAN</u> Initial Volume: 23,0 Swell factor: 1.00	\$426.60 FITIES 000				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 23,0 Swell factor: 1.00 Loose volume: 23,0 Source of estimated volu Source of estimated swell	\$426.60 FITIES 000 00 000 LCY 11 factor: Previou Cat Har	us estimates ndbook			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 23,0 Swell factor: 1.00 Loose volume: 23,0 Source of estimated volu swell Source of estimated swell swell HOURLY PRODUCT 100	\$426.60 <u>FITIES</u> 000 00 000 LCY 1me: <u>Previou</u> 11 factor: <u>Cat Han</u> <u>TION</u>				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 23,0 Swell factor: 1.00 Loose volume: 23,0 Source of estimated volu Source of estimated volu Source of estimated swell HOURLY PRODUCC Average push distance:	\$426.60 FITIES 000 00 000 LCY 100 LCY 11 factor: Previou Cat Han TION 100 feet	ndbook			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 23,0 Swell factor: 1.00 Loose volume: 23,0 Source of estimated volu swell Source of estimated swell swell HOURLY PRODUCT 100	\$426.60 FITIES 000 00 000 LCY 100 LCY 11 factor: Previou Cat Han TION 100 feet	ndbook			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 23,0 Swell factor: 1.00 Loose volume: 23,0 Source of estimated volu Source of estimated volu Source of estimated swell HOURLY PRODUCC Average push distance:	\$426.60 FITIES 000 000 000 LCY nme: Previou 11 factor: Cat Han TION action: 852.6 LC	ndbook			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 23,0 Swell factor: 1.00 Loose volume: 23,0 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUCC Average push distance: Unadjusted hourly produ Materials consistency de	\$426.60 FITTES 000 000 000 LCY ume: Previou 11 factor: Cat Hand TION action: 100 feet action: 852.6 LC escription: Loos	ndbook Y/hr			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 23,0 Swell factor: 1.00 Loose volume: 23,0 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient:	\$426.60 <u>FITIES</u> 000 00 000 LCY ume: <u>Previou</u> 11 factor: <u>Cat Han</u> TION 100 feet 100 feet 100 feet 100 feet 100 feet 100 scription: Loos 5 %	ndbook Y/hr			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 23,0 Swell factor: 1.00 Loose volume: 23,0 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUCC Average push distance: Unadjusted hourly produ Materials consistency de	\$426.60 FITTES 000 000 000 LCY ume: Previou 11 factor: Cat Hand TION action: 100 feet action: 852.6 LC escription: Loos	ndbook Y/hr			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 23,0 Swell factor: 1.00 Loose volume: 23,0 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient:	\$426.60 <u>FITIES</u> 000 00 000 LCY ume: <u>Previou</u> 11 factor: <u>Cat Han</u> TION 100 feet 100 feet 100 feet 100 feet 100 feet 100 scription: Loos 5 %	ndbook Y/hr			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 23,0 Swell factor: 1.00 Loose volume: 23,0 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude:	\$426.60 FITIES 000 00 000 D00 LOT D00 Lotor: D00 D00 D00 D00 Lotor: D00 Exercipation: Loos State T,350 Det	ndbook Y/hr			
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 23,0 Swell factor: 1.00 Loose volume: 23,0 Source of estimated volu Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Job Condition Correction	\$426.60 FITIES 000 00 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 100 100 feet 100 100 100 65 % 7,350 2,100 lbs/LCY Shale n n Factor	ndbook Y/hr e stockpile 1.2	Source		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 23,0 Swell factor: 1.00 Loose volume: 23,0 Source of estimated volu 23,0 Source of estimated volu Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly product Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator	\$426.60 FITTES 000 100 feet 100 feet 100 feet 100 feet 2,100 lbs/LCY Shale n Factor Skill:	ndbook Y/hr e stockpile 1.2	Source (AVG.)		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 23,0 Swell factor: 1.00 Loose volume: 23,0 Source of estimated volu 23,0 Source of estimated volu Source of estimated swell HOURLY PRODUC Average push distance: Unadjusted hourly product Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator Material consist Operator	\$426.60 FITTES 000 D00 Locy 100 100 feet 100 100 feet 100 100 feet 2,100 lbs/LCY Shale n Factor Skill: tency:	ndbook Y/hr e stockpile 1.2 0.750 1.200	Source (AVG.) (CAT HB)		
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 23,0 Swell factor: 1.00 Loose volume: 23,0 Source of estimated volu Source of estimated volu Source of estimated swel HOURLY PRODUC Average push distance: Unadjusted hourly produ Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator Material consist Dozing magentices	\$426.60 FITTLES 000 100 100 feet 100 feet 100 feet 100 feet 2,100 lbs/LCY Shale n factor Skill: tency: ethod:	ndbook Y/hr e stockpile 1.2	Source (AVG.)		

Job efficient	cy: 0.830	(1 SHIFT/DAY)
Spoil pi	le: 0.800	(FND-RF)
Push gradie	nt: 0.903	(CAT HB)
Altitud	le: 1.000	(CAT HB)
Material Weig	ht: 1.095	(CAT HB)
Blade typ	pe: 1.000	(PAT)
Net correction	on: 0.5909	
Adjusted unit production:	503.80 LCY/hr	
Adjusted fleet production:	503.8 LCY/hr	

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.847/LCY

Total job time:	45.65 Hours
Total job cost:	\$19,476

Task description:	Cont	our backfille	ed slope in	Area 3			
Duck Creek Mine		Perr	nit Action:	2023	P	ermit/Job#:	M2013022
PROJECT IDENT	IFICATIO	<u>DN</u>					
Task #: 07A		State:	Colorado		Abb	reviation:	None
Date: 12/18/20)23	County:	Rio Blanc	0		Filename:	M022-07a
User: ACY				-			
Agency or or	ganization	name: DR	SMS				
HOURLY EQUIPM	-						
Basic Machine:	Cat 345	DL 12'-10'	" Stick		Horsepower:		380
Attachment 1	ROPS C	Cab			Weight (MT):	4	19.37
					Shift Basis:	11	per day
					Data Source:	(CRG)
Cost Breakdown:			I	Litilization 0/			
Ownership Co	st/Hour	\$121.	73	Utilization % NA			
Ownership Co Operating Co		\$121. \$96.1		<u> </u>			
Operator Co		\$37.3		NA			
Total Unit Co		\$255.		1111			
Total Fleet Co	ost/Hour:	\$255.	.19				
MATERIAL QUAI Initial volume:	NTITIES 23,000		CCY	Small fo	atom 1.000		
Loose volume:	<u>23,000</u>		- LCY	Swell fac	ctor: <u>1.000</u>		
Loose volume.	23,000						
		ted volume:	Table C				
Source of	estimated s	swell factor:	Cat Han	dbook			
HOURLY PRODU	CTION						
Excavator Cycle Time		et swing loa	ded dump l	nucket swingen	unty).		
	(loud buck	•	*	Condition Descri		ACE	
	Sacor			nin Basic Description			
	5000	idal y 300 CO		Cycle Time V		NUL	minutes
Load Bucket Capacity				Cycle Thile V	alue. 0.315		
Loud Ducket Capacity						~1 14	1.
					Bucket Size	Class: M	edium
Rated Capac		3.14	_ LCY (he				
Bucket Fill Fac		0.875		aterial - 1" and o	over (85 - 90%)	0.875	
Adjusted Capac	city:	2.75	_ LCY				
Job Condition Correct	ion Factors			Si	te Altitude: <u>7350</u>	feet	
	_		Source				
Altitude Adj		96	(CAT H				
Job Efficiency		83	(1 shift/d				
Net Correction:	0.	80	multiplie	r			
	Jnadjusted 1	Hourly Unit	Production:	523.33	LCY/Hour		
τ		т	Decduction	416.99	LCY/Hour		
τ	Adjusted 1	Hourly Unit .	Production:	410.99			
τ		Hourly Unit			LCY/Hour		
TIME AND C	Adjusted H						
JOB TIME AND C	Adjusted F	Hourly Fleet	Production:	416.99	LCY/Hour		Hours
	Adjusted H		Production:				Hours

TRUCK/LOADER TEAM WORK

Purchase 1,800 Cy of topsoil and deliver to site

PROJECT IDENTIFICATION Task # 08A State: Colorado Abbreviation: None Date: 12/18/2023 County: Rio Blanco Filename: M022-08a User: CY	Site: Duck Creek Mi	Duck Creek Mine Permit Action: 2023				Permit/Job#: <u>M</u>	2013022
Date: 12/18/2023 County: Rio Blanco Filename: M022-08a Jser:	PROJECT IDE	NTIFICATION	[
Bift basis: Lper day Equipment Description Truck Loader Team -Truck: Generic 12-18 cy, 6x4 -Loader: CAT 980H Support Equipment -Load Area: NA -Dump Area: NA -Burg Area: NA -Outer Truck: NA -Water Truck: NA Motor Grader: NA -Water Truck: NA Motor Grader: Water Truck %Utilization-machine: 100 100 NA NA Ownership cost/hour: \$26.39 \$61.69 NA NA NA Operating cost/hour: \$64.76 \$55.92 NA NA NA Nuitilization-riper: NA 0 NA NA NA Operating cost/hour: S0.00 NA NA NA Number of Units: 2 1 0 0 0	Date: 12/1 User: ACY	-	County: Rio		Ab		
Equipment Description Generic 12-18 cy, 6x4 -Loader: CAT 980H Support Equipment Load Area NA -Dump Area: NA -Dump Area: NA -Dump Area: NA -Dump Area: NA -Outer Truck/Loader Team Support Equipment Maintenance Equipment Maintenance -Motor Grader Vater Truck Maintenance -Motor Grader Truck NA	Agency o	r organization hai	ne: <u>DRMS</u>				
Truck Loader Team -Truck: Generic 12-18 cy, 6x4 -Loader: CAT 980H Support Equipment -Load Area: NA -Dump Area: NA Road Maintenance -Motor Grader: NA -Water Truck: NA MUtilization-machine: 100 100 NA NA NA %Utilization-machine: 100 100 NA NA NA NA Ownership cost/hour: \$\$26.39 \$61.69 NA NA NA NA Multization-riper: NA 0 NA NA NA NA %Utilization-riper: NA 0 NA NA NA Maintenance S0.00 NA NA NA NA \$0.00 NA NA NA Rippe	HOURLY EQU	IPMENT COS	<u>Γ</u>		Shift bas	sis: <u>1 per day</u>	
Loader: CAT 980H Support Equipment -Load Area: NA -Dump Area: NA Road Maintenance -Motor Grader: NA -Water Truck: NA Motor Grader: Water Truck %Utilization-machine: 100 100 NA NA Ownership cost/hour: \$26.39 \$61.69 NA NA NA Operating cost/hour: \$64.76 \$58.92 NA NA NA WUilization-riper: NA 0 NA NA NA %Utilization-riper: NA \$0.00 NA NA NA Ripper own.cost/hour: NA \$0.00 NA NA NA Ripper own.cost/hour: \$123.69 \$161.32 NA NA NA Number of Units: <td></td> <td></td> <td></td> <td>· · ·</td> <td>•</td> <td></td> <td></td>				· · ·	•		
Support Equipment -Load Area: -Dump Area: NA NA Road Maintenance -Motor Grader: -Water Truck: NA Cost Breakdown: -Water Truck: Truck/Loader Team Na Support Equipment Maintenance Equipment Cost Breakdown: Truck/Loader Team -Water Truck: NA Maintenance Equipment Maintenance Equipment Wotor Grader: NA Load Area Dump Area Motor Grader Water Truck % Utilization-machine: 100 100 NA NA NA NA Ownership cost/hour: \$26.39 \$61.69 NA NA NA NA Operating cost/hour: \$64.76 \$55.92 NA NA NA NA Operating cost/hour: NA 0 NA NA NA NA Ripper own. cost/hour: NA \$0.00 NA NA NA NA Operator cost/hour: \$32.54 \$40.71 NA NA NA NA Operator cost/hour: \$32.54 \$40.71 NA NA NA NA Outin Subtotals: \$123.69 \$161.32 NA NA <		Truck Loader Tea			4		
Image: Second Structure Image: Second Structure NA Road Maintenance – Motor Grader: NA NA Image: Water Truck: NA NA Cost Breakdown: Truck/Loader Team Support Equipment Maintenance Equipment Motor Grader: Image: Truck Load Area Dump Area Motor Grader Water Truck %Utilization-machine: 100 100 NA NA NA NA Ownership cost/hour: \$\$26.39 \$\$61.69 NA NA NA NA Operating cost/hour: \$\$64.76 \$\$58.92 NA NA NA NA %Utilization-riper: NA 0 NA NA NA NA %Utilization-riper: NA 0 NA NA NA NA NA 0.00 NA NA NA NA NA Na 0.00 NA NA NA NA Operating cost/hour: \$32.54 \$40.71 NA NA NA Operator cost/hour: \$32.54 \$40.71 NA NA	Sun	port Equipment -I					
-Water Truck: NA Cost Breakdown: Truck/Loader Team Support Equipment Maintenace Equipment Multilization-machine: 100 100 NA NA NA %Utilization-machine: 100 100 NA NA NA NA Ownership cost/hour: \$26.39 \$61.69 NA NA NA NA Operating cost/hour: \$64.76 \$58.92 NA NA NA NA %Utilization-riper: NA 0 NA NA NA NA %Utilization-riper: NA 0 NA NA NA NA %Utilization-riper: NA \$0.00 NA NA NA NA %Utilization-riper: NA \$0.00 NA NA NA NA Ripper own. cost/hour: NA \$0.00 NA NA NA NA Operator cost/hour: \$123.69 \$161.32 NA NA NA NA Number of Units: 2 1 0 0 0 0 0	Dup.						
Cost Breakdown: Truck/Loader Team Support Equipment Maintenance Equipment Motor Grader Truck Load Area Dump Area Motor Grader Water Truck %Utilization-machine: 100 100 NA NA NA NA Ownership cost/hour: \$26.39 \$61.69 NA NA NA NA Operating cost/hour: \$64.76 \$58.92 NA NA NA NA %Utilization-riper: NA 0 NA NA NA NA %Utilization-riper: NA 0 NA NA NA NA %Utilization-riper: NA 0 NA NA NA %Utilization-riper: NA 0 NA NA NA %Utilization-riper: NA \$0.00 NA NA NA Ripper own. cost/hour: NA \$0.00 NA NA NA Operator cost/hour: \$32.54 \$40.71 NA NA NA Number of Units: 2 1 0 0 0 0	Road N						
TruckLoaderLoad AreaDump AreaMotor GraderWater Truck%Utilization-machine:100100NANANANAOwnership cost/hour:\$26.39\$61.69NANANANAOperating cost/hour:\$64.76\$58.92NANANANA%Utilization-riper:NA0NANANANA%Utilization-riper:NA0NANANANA%Utilization-riper:NA0NANANANA%Utilization-riper:NA0NANANANA%Utilization-riper:NA0.00NANANANA%Utilization-riper:NA\$0.00NANANANARipper op. cost/hour:NA\$0.00NANANANAOperator cost/hour:\$32.54\$40.71NANANANAOperator cost/hour:\$12.69\$161.32NANANANANumber of Units:2100000Group Subtotals:Work:\$408.70Support:\$0.00Maint:\$0.00Total work team cost/hour:\$1,800CCY LCYSwell factor:1.215		-Wa	ter Truck: N	A			
TruckLoaderLoad AreaDump AreaMotor GraderWater Truck%Utilization-machine:100100NANANANAOwnership cost/hour:\$26.39\$61.69NANANANAOperating cost/hour:\$64.76\$58.92NANANANA%Utilization-riper:NA0NANANANA%Utilization-riper:NA0NANANANA%Utilization-riper:NA0NANANANA%Utilization-riper:NA0NANANANA%Utilization-riper:NA0.00NANANANA%Utilization-riper:NA\$0.00NANANANARipper op. cost/hour:NA\$0.00NANANANAOperator cost/hour:\$32.54\$40.71NANANANAOperator cost/hour:\$12.69\$161.32NANANANANumber of Units:2100000Group Subtotals:Work:\$408.70Support:\$0.00Maint:\$0.00Total work team cost/hour:\$1,800CCY LCYSwell factor:1.215	Cost Breakdown•	Truck/Lo	ader Team	Support	Fauinment	Maintenan	ce Equipment
Ownership cost/hour: \$26.39 \$61.69 NA NA NA NA Operating cost/hour: \$64.76 \$58.92 NA NA NA NA %Utilization-riper: NA 0 NA NA NA NA %Utilization-riper: NA 0 NA NA NA NA Ripper own. cost/hour: NA \$0.00 NA NA NA NA Ripper op. cost/hour: NA \$0.00 NA NA NA NA Operator cost/hour: \$32.54 \$40.71 NA NA NA NA Operator cost/hour: \$32.54 \$40.71 NA NA NA NA Unit Subtotals: \$123.69 \$161.32 NA NA NA NA Number of Units: 2 1 0 0 0 0 Group Subtotals: Work: \$408.70 Support: \$0.00 Maint: \$0.00 MATERIAL QUANTITIES	<u>Cost Dicakuown</u> .						
Operating cost/hour:\$64.76\$58.92NANANANA%Utilization-riper:NA0NANANARipper own. cost/hour:NA\$0.00NANANARipper op. cost/hour:NA\$0.00NANANARipper op. cost/hour:NA\$0.00NANANAOperator cost/hour:\$32.54\$40.71NANANAOperator cost/hour:\$32.54\$40.71NANANAUnit Subtotals:\$123.69\$161.32NANANANumber of Units:210000Group Subtotals:Work:\$408.70Support:\$0.00Maint:\$0.00Total work team cost/hour:\$408.70Support:\$0.00Maint:\$0.00MATERIAL QUANTITIESInitial volume:1,800CCYSwell factor:1.215Loose volume:2,187LCYSwell factor:1.215Source of estimated volume:2023 Updated Costs from OperatorSource of estimated swell factor:Cat Handbook	%Utilization-machine:	100	100) NA	NA	NA	NA
%Utilization-riper: NA 0 NA NA NA NA Ripper own. cost/hour: NA \$0.00 NA NA NA NA Ripper op. cost/hour: NA \$0.00 NA NA NA NA Ripper op. cost/hour: NA \$0.00 NA NA NA NA Operator cost/hour: \$32.54 \$40.71 NA NA NA NA Operator cost/hour: \$32.54 \$40.71 NA NA NA NA Unit Subtotals: \$123.69 \$161.32 NA NA NA NA Number of Units: 2 1 0 0 0 0 Group Subtotals: Work: \$408.70 Support: \$0.00 Maint: \$0.00 Total work team cost/hour: \$408.70 Support: \$0.00 Maint: \$0.00 Loose volume: 1,800 CCY Swell factor: 1.215 LCY Source of estimated volume: 2023 Updated Costs from Operator Cat Handbook Cat Handbook Cost State Cost S	Ownership cost/hour:	\$26.39	\$61.69) NA	NA	NA	NA
Ripper own. cost/hour:NA\$0.00NANANANARipper op. cost/hour:NA\$0.00NANANANAOperator cost/hour:\$32.54\$40.71NANANANAOperator cost/hour:\$123.69\$161.32NANANANAUnit Subtotals:\$123.69\$161.32NANANANANumber of Units:210000Group Subtotals:Work:\$408.70Support:\$0.00Maint:\$0.00Total work team cost/hour:\$408.70Support:\$0.00Maint:\$0.00Total work team cost/hour::\$408.70LCYSwell factor:1.215Loose volume:1,800CCYSwell factor:1.215Source of estimated volume:2023 Updated Costs from OperatorSource of estimated swell factor:2023 Updated Costs from Operator	Operating cost/hour:	\$64.76	\$58.92	2 NA	NA	NA	NA
Ripper op. cost/hour: NA \$0.00 NA NA NA NA Operator cost/hour: \$32.54 \$40.71 NA NA NA NA Operator cost/hour: \$32.54 \$40.71 NA NA NA NA Unit Subtotals: \$123.69 \$161.32 NA NA NA NA Number of Units: 2 1 0 0 0 0 Group Subtotals: Work: \$408.70 Support: \$0.00 Maint: \$0.00 Total work team cost/hour: \$408.70 Support: \$0.00 Maint: \$0.00 MATERIAL QUANTITIES Initial volume: 1,800 CCY Swell factor: 1.215 Loose volume: 2,187 LCY Source of estimated volume: 2023 Updated Costs from Operator Source of estimated swell factor: Cat Handbook Cat Handbook Source Source Source	%Utilization-riper:	NA			NA	NA	NA
Operator cost/hour: \$32.54 \$40.71 NA NA NA NA Unit Subtotals: \$123.69 \$161.32 NA NA NA NA Number of Units: 2 1 0 0 0 0 Group Subtotals: Work: \$408.70 Support: \$0.00 Maint: \$0.00 MATERIAL QUANTITIES Initial volume: 1,800 CCY Swell factor: 1.215 Loose volume: 2,187 LCY Source of estimated volume: 2023 Updated Costs from Operator Source of estimated swell factor: 2023 Updated Costs from Operator Cat Handbook Cat Handbook	Ripper own. cost/hour:	NA	\$0.00) NA	NA	NA	NA
Unit Subtotals: \$123.69 \$161.32 NA NA NA NA Number of Units: 2 1 0 0 0 0 Group Subtotals: Work: \$408.70 Support: \$0.00 Maint: \$0.00 Total work team cost/hour: \$408.70 Support: \$0.00 Maint: \$0.00 MATERIAL QUANTITIES Initial volume: 1,800 CCY Swell factor: 1.215 Loose volume: 2,187 LCY Source of estimated volume: 2023 Updated Costs from Operator Source of estimated swell factor: Cat Handbook Cat Handbook Cat Handbook	Ripper op. cost/hour:	NA			NA	NA	
Number of Units: 2 1 0 0 0 0 Group Subtotals: Work: \$408.70 Support: \$0.00 Maint: \$0.00 Total work team cost/hour: \$408.70 Support: \$0.00 Maint: \$0.00 MATERIAL QUANTITIES Initial volume: 1,800 CCY Swell factor: 1.215 Loose volume: 2,187 LCY Source of estimated volume: 2023 Updated Costs from Operator Source of estimated swell factor: Cat Handbook Cat Handbook Cat Handbook Cat Handbook	-	\$32.54	\$40.71	NA	NA	NA	
Group Subtotals: Work: \$408.70 Support: \$0.00 Maint: \$0.00 Total work team cost/hour: \$408.70		\$123.69	\$161.32	2 NA		NA	
Total work team cost/hour: \$408.70 MATERIAL QUANTITIES Initial volume: 1,800 CCY Swell factor: Loose volume: 2,187 Source of estimated volume: 2023 Updated Costs from Operator Source of estimated swell factor: CCH Handbook				0			
MATERIAL QUANTITIES Initial volume: 1,800 CCY Swell factor: 1.215 Loose volume: 2,187 LCY Source of estimated volume: 2023 Updated Costs from Operator Source of estimated swell factor: CCY	Group Subtotals:	Work:	\$408.70	Support:	\$0.00	Maint:	\$0.00
Initial volume: 1,800 CCY Swell factor: 1.215 Loose volume: 2,187 LCY Image: CCY Image: CCY Source of estimated volume: 2023 Updated Costs from Operator CCY CCY Source of estimated swell factor: CCY CCY CCY	Total work team co	ost/hour: <u>\$408.70</u>					
Initial volume: 1,800 CCY Swell factor: 1.215 Loose volume: 2,187 LCY Image: CCY Image: CCY Source of estimated volume: 2023 Updated Costs from Operator CCY CCY Source of estimated swell factor: CCY CCY CCY							
Loose volume: 2,187 LCY Source of estimated volume: 2023 Updated Costs from Operator Source of estimated swell factor: Cat Handbook	<u>MATERIAL QU</u>	JANTITIES					
Source of estimated volume: 2023 Updated Costs from Operator Source of estimated swell factor: Cat Handbook	Initial volume	e: 1,800	CC	CY Swell	factor: 1.215		
Source of estimated swell factor: Cat Handbook	Loose volume	e: 2,18	7 LC	Υ			
	S	ource of estimated	l volume:20	23 Updated Costs fr	om Operator		
\mathbf{M} (1) \mathbf{D} (1) \mathbf{C} (0) \mathbf{C} (0)	Sourc						
Material Purchase Cost: \$68.50 Total Cost: \$149,809.50							
Total Cost:\$149,809.50		10	51ai CUSI: <u>\$14</u>	+7,007.30			

HOURLY PRODUCTION

Truck Capacity:

Task description:

bis:	
1,600	Pounds/LCY
Top Soil	
50,300	Pounds
31.44	LCY
	<u>iis:</u> 1,600 Top Soil 50,300 31.44

Struck Volume: Heaped Volume:	12.00	LCY				
neaped volume:	18.00	LCY				
Average Volume:	15.00	LCY				
Adjusted Volume:	18.00	LCY				
<u> </u>		-				
Fin	al Truck Volum	ne Based on Number	of Loader Passes:	14.63	LCY	
Loading Tool Capacity						
			Buc	ket Size Class: N	A	
Rated Capacity:	7.500	LCY (heaped)			
Bucket Fill Factor:	0.975			ates to 1/8" (95-100	%) 0.975	-
Adjusted Capacity:	7.313	LCY		X	,	_
Job Condition Correction	IS:		Site Altitude (ft.):	7350 feet		
	Truck	Loader	Source			
Altitude Adj:	1.000	1.000	(CAT HE			
Job Efficiency:	0.830	0.830	(CAT HE			
			(0			
Net Correction:	0.830	0.830				
Loading Tool Cycle Time	e: Numb	per of Loading Tool I	Passes Required to	Fill Truck:	2 r	asses
Excavators and Front Show		C	Ĩ		1	
		ion Doting, NA				
Machine Cycle Time	vs. Job Conditi	ion Rating: NA				
Selected Value	e within this Ba					
	e within this Ba – Material Dese	sic Rating: NA				
Track Loaders	– Material Des	sic Rating: NA				
Track Loaders Cycle Time Elements (min	– Material Dese .):	sic Rating: NA				
Track Loaders	– Material Dese .):	sic Rating: NA		 Dump:0.100)	
Track Loaders Cycle Time Elements (min	– Material Dese .):	sic Rating: NA cription: Maneuver: NA		·)	ıtes
Track Loaders Cycle Time Elements (min Load: <u>NA</u>	– Material Dese .): s - Unadjusted I	sic Rating: NA cription: Maneuver: NA	Fime (load, dump, 1	·		Ites
Track Loaders Cycle Time Elements (min Load: <u>NA</u> Wheel and Track Loaders	– Material Dese .): s - Unadjusted I	sic Rating: NA cription: Maneuver: NA		maneuver): 0	.550 minu	ites
Track Loaders Cycle Time Elements (min Load: <u>NA</u> Wheel and Track Loaders Cycle Time Factors	– Material Dese .): s - Unadjusted I <u>s</u> Material 1/8	sic Rating: NA cription: Maneuver: NA Basic Loader Cycle 7 8" to 3/4" diameter -		maneuver): 0. Factor (min.)	.550 minu Source	ites
Track Loaders Cycle Time Elements (min Load: <u>NA</u> Wheel and Track Loaders <u>Cycle Time Factors</u> Material:	 Material Deset .): s - Unadjusted I Material 1/8 Dumped by Independen 	sic Rating: NA cription: NA Maneuver: NA Basic Loader Cycle 7 8" to 3/4" diameter 7 truck 0.02 ttly owned trucks 0.0	0.02	maneuver): 0. Factor (min.) -0.020 0.020 0.040	.550 minu Source (Cat HB)	utes
Track Loaders Cycle Time Elements (min Load: <u>NA</u> Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	 Material Deset .): s - Unadjusted I s Material 1/8 Dumped by Independen Constant op 	Asic Rating: NA cription: NA Maneuver: NA Basic Loader Cycle 7 8" to 3/4" diameter -4 v truck 0.02 tty owned trucks 0.0 peration -0.04	0.02	maneuver): 0. Factor (min.) -0.020 0.020 0.040 -0.040	.550 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	ites
Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership:	 Material Deset .): S - Unadjusted I Material 1/8 Dumped by Independen Constant op 	Asic Rating: NA cription: NA Maneuver: NA Basic Loader Cycle 7 8" to 3/4" diameter -4 7 truck 0.02 1tly owned trucks 0.0 peration -0.04 rget 0.00	0.02 4	maneuver): 0. Factor (min.) -0.020 0.020 0.040 -0.040 0.000	.550 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	utes
Track Loaders Cycle Time Elements (min Load: <u>NA</u> Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	 Material Deset .): s - Unadjusted I s Material 1/8 Dumped by Independen Constant op 	sic Rating: NA cription: Maneuver: NA Basic Loader Cycle 7 8" to 3/4" diameter -4 7 truck 0.02 ttly owned trucks 0.0 peration -0.04 rget 0.00 Net Cycle T	0.02 4 Time Adjustment:	maneuver): 0. Factor (min.) -0.020 0.020 0.040 -0.040 0.000 0.000	.550 minutes	utes
Track Loaders Cycle Time Elements (min Load: <u>NA</u> Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	 Material Deset .): s - Unadjusted I s Material 1/8 Dumped by Independen Constant op 	Isic Rating: NA cription: NA Maneuver: NA Basic Loader Cycle 7 8" to 3/4" diameter -0 7 truck 0.02 tty owned trucks 0.0 peration -0.04 rget 0.00 Net Cycle 7 Adjusted Loa	0.02 4 Time Adjustment: ader Cycle Time:	maneuver): 0. Factor (min.) -0.020 0.020 0.040 -0.040 0.000 0.000 0.550	.550 minutes minutes	ites
Track Loaders Cycle Time Elements (min Load: <u>NA</u> Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	 Material Deset .): s - Unadjusted I s Material 1/8 Dumped by Independen Constant op 	Isic Rating: NA cription: NA Maneuver: NA Basic Loader Cycle 7 8" to 3/4" diameter -0 7 truck 0.02 tty owned trucks 0.0 peration -0.04 rget 0.00 Net Cycle 7 Adjusted Loa	0.02 4 Time Adjustment:	maneuver): 0. Factor (min.) -0.020 0.020 0.040 -0.040 0.000 0.000	.550 minutes	ites
Track Loaders Cycle Time Elements (min Load: <u>NA</u> Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation:	 Material Deset .): s - Unadjusted I s Material 1/8 Dumped by Independen Constant op 	Isic Rating: NA cription: NA Maneuver: NA Basic Loader Cycle 7 8" to 3/4" diameter -0 7 truck 0.02 tty owned trucks 0.0 peration -0.04 rget 0.00 Net Cycle 7 Adjusted Loa	0.02 4 Time Adjustment: ader Cycle Time:	maneuver): 0. Factor (min.) -0.020 0.020 0.040 -0.040 0.000 0.000 0.550	.550 minutes minutes	ites
Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target:	 Material Desc.): S - Unadjusted I Material 1/8 Dumped by Independen Constant op Nominal tar 	Isic Rating: NA cription: NA Maneuver: NA Basic Loader Cycle 7 8" to 3/4" diameter -0 7 truck 0.02 ttly owned trucks 0.0 peration -0.04 rget 0.00 Net Cycle 7 Adjusted Loa	0.02 4 Time Adjustment: ader Cycle Time: Time per Truck:	maneuver): 0. Factor (min.) -0.020 0.020 0.040 -0.040 0.000 0.000 0.550	.550 minutes minutes	
Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Cycle Time:	 Material Desc. .): s - Unadjusted H <l< td=""><td>Isic Rating: NA cription: NA Maneuver: NA Basic Loader Cycle 7 8" to 3/4" diameter -4 7 truck 0.02 http owned trucks 0.0 beration -0.04 rget 0.00 Net Cycle 7 Adjusted Load Net Load</td><td>0.02 4 ime Adjustment: ader Cycle Time: Time per Truck: Adjusted</td><td>maneuver): 0. Factor (min.) -0.020 0.020 0.040 -0.040 0.000 0.000 0.550 0.650</td><td>.550 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes</td><td></td></l<>	Isic Rating: NA cription: NA Maneuver: NA Basic Loader Cycle 7 8" to 3/4" diameter -4 7 truck 0.02 http owned trucks 0.0 beration -0.04 rget 0.00 Net Cycle 7 Adjusted Load Net Load	0.02 4 ime Adjustment: ader Cycle Time: Time per Truck: Adjusted	maneuver): 0. Factor (min.) -0.020 0.020 0.040 -0.040 0.000 0.000 0.550 0.650	.550 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes	
Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Tin Truck Load Tin	 Material Desc. .): s - Unadjusted I s - Unadjusted I Material 1/8 Dumped by Independen Constant op Nominal tar 	Asic Rating: NA cription: NA Maneuver: NA Basic Loader Cycle 7 8" to 3/4" diameter -1 7 truck 0.02 1tly owned trucks 0.0 00 20 20 20 20 20 20 20 20 20 20 20 20	0.02 4 Time Adjustment: ader Cycle Time: Time per Truck: Adjusted Adjusted	maneuver):0 Factor (min.) -0.020 0.020 0.040 -0.040 0.000 0.000 0.550 0.650 for site altitude:	.550 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes minutes 0.500	ites
Track Loaders Cycle Time Elements (min Load: NA Wheel and Track Loaders Cycle Time Factors Cycle Time Factors Material: Stockpile: Truck Ownership: Operation: Dump Target: Truck Exchange Time	 Material Desc. .): s - Unadjusted I s - Unadjusted I Material 1/8 Dumped by Independen Constant op Nominal tar 	Asic Rating: NA cription: Maneuver: NA Basic Loader Cycle 7 8" to 3/4" diameter -4 7 truck 0.02 atly owned trucks 0.0 beration -0.04 rget 0.00 Net Cycle 7 Adjusted Loa Net Load Minutes Minutes	0.02 4 Time Adjustment: ader Cycle Time: Time per Truck: Adjusted Adjusted	maneuver): 0 Factor (min.) -0.020 0.020 0.040 -0.040 0.000 0.000 0.550 0.650 for site altitude: for site altitude:	.550 minu Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes 0.500 0.650	 Minute

Haul Rou							-	
Seg #	Haul I (Ft)	Distance	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	34320	0.00	2.00	3.00	5.00	2218	154.849	
					Haul Time:	154.849	minutes	
Return R	oute:					1		
Seg #	Haul I	Distance	Grade (%)	Roll. Res	Total Res	Velocity	Travel	
	(Ft)			(%)	(%)	(fpm)	Time (min)	
1	34320	0.00	-2.00	3.00	1.00	2913	117.851	
					Return Time:			
				Total Tru	ck Cycle Time:	274.750	minutes	
Loading Too	ol unit							
Prod	uction	763.04	LCY/Hour		Adjusted for j	ob efficiency:	633.33	LCY/Hour
Truck Unit Produ	uction _	3.19	LCY/Hour		Adjusted for j	ob efficiency:	2.65	_ LCY/Hour
Optimal No. of T	rucks:	239	Truck(s)		Selected Num	ber of Trucks:	2	Truck(s)
			Adjuste	d hourly truc	k team production	on: 5.3	0 LCY/H	Iour
					er team production		LCY/H	Iour
			Adjusted multip	le truck/loade	er team production	on: 5.3	LCY/H	lour
JOB TI	ME AN	D COST						
Fleet	size:	1	Team(s)	1	Fotal job time:	412.5	Hour	S
Unit	cost:	\$77.088	/LCY	,	Total job cost:	\$318,4	01	

WHEEL LOADER - LOAD AND CARRY WORK

	e	Permit Ac	ction: <u>2023</u>		Permit	Job#:	M2013022
PROJECT IDEN	TIFICATIO	N					
Task #: 09A		State: Col	orado		Abbreviat	tion:	None
Date: 12/18	/2023		Blanco		Filena		M022-09a
User: ACY							
Agency or	organization na	me: DRMS					
HOURLY EQUI	PMENT COS	<u>5T</u>					
Basic Machin	ne: CAT 980	н		Horse	epower:	3	15
Attachment					t Basis:		r day
1 10000000000	<u></u>	0			Source:		RG)
						,	/
Cost Breakdown:			Htiliz	ation %			
Ownership (Cost/Hour	\$61.69		IA			
Operating (\$58.92		00			
1 0	Cost/Hour:	\$40.71	1	IA			
Total Unit (\$161.32	i				
Total Fleet	Cost/Hour	\$161.32					
Total Meet		\$101.52					
MATERIAL QU	ANTITIES						
Initial volume:	1,800	CC	CY S	Swell factor:	1.000		
Loose volume:	1,80	00 LC	CY				
So	urce of estimate	d volume: Ta	ble C1				
	of estimated sw		it Handbook				
Source	01 0000000000						
Source							
Source	UCTION						
HOURLY PROD						-0	
		sted Basic Cycle		ump, maneuver)):0.55	50	minutes
HOURLY PROD Loader Cycle Time: Cycle Time	Unadju: Factors	sted Basic Cycle	e Time (load, d	-	Factor (min	1	Source
HOURLY PROD Loader Cycle Time: Cycle Time M	Unadju Factors [aterial: Mate	sted Basic Cycle erial 1/8" to 3/4"	e Time (load, d diameter -0.02	-	Factor (min -0.020	1	Source (Cat HB)
HOURLY PROE Loader Cycle Time: Cycle Time M Sto	Unadju Factors aterial: Mate ockpile: Dum	sted Basic Cycle erial 1/8" to 3/4" uped by truck 0.0	e Time (load, d diameter -0.02		Factor (min -0.020 0.020	1	Source (Cat HB) (Cat HB)
HOURLY PROD Loader Cycle Time: Cycle Time M Sto Truck Owr	Unadju: Factors [aterial: Mate ockpile: Dum tership: No a	sted Basic Cycle erial 1/8" to 3/4" ped by truck 0.0 djustment - facto	e Time (load, d 2 diameter -0.02 02 or not applicab		Factor (min -0.020 0.020 0.000	1	Source (Cat HB) (Cat HB) (Cat HB)
HOURLY PROD Loader Cycle Time: Cycle Time M Sto Truck Owr Op	Unadju Factors [aterial: Mate ockpile: Dum nership: No a eration: Cons	sted Basic Cycle erial 1/8" to 3/4" aped by truck 0.0 djustment - facto stant operation -0	e Time (load, d 2 diameter -0.02 02 or not applicab		Factor (min -0.020 0.020 0.000 -0.040	1	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)
HOURLY PROD Loader Cycle Time: Cycle Time M Sto Truck Owr Op	Unadju Factors [aterial: Mate ockpile: Dum nership: No a eration: Cons	sted Basic Cycle erial 1/8" to 3/4" aped by truck 0.0 djustment - factor stant operation -(anal target 0.00	e Time (load, d diameter -0.02 20 or not applicab 0.04	le 0.00	Factor (min -0.020 0.020 0.000 -0.040 0.000	1	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
HOURLY PROD Loader Cycle Time: Cycle Time M Sto Truck Owr Op	Unadju Factors [aterial: Mate ockpile: Dum nership: No a eration: Cons	sted Basic Cycle erial 1/8" to 3/4" uped by truck 0.0 djustment - facto stant operation -(inal target 0.00	e Time (load, d diameter -0.02)2 or not applicab 0.04 Net Cycle Time	le 0.00	Factor (min -0.020 0.020 0.000 -0.040 0.000 -0.040	1	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
HOURLY PROD Loader Cycle Time: Cycle Time M Sto Truck Owr Op Dump	Unadju Factors Laterial: Mate ockpile: Dum nership: No a eration: Cons Target: Nom	sted Basic Cycle erial 1/8" to 3/4" aped by truck 0.0 djustment - factor stant operation -(aped to 200 binal target 0.00	e Time (load, d diameter -0.02 20 or not applicab 0.04	le 0.00	Factor (min -0.020 0.020 0.000 -0.040 0.000	1	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
HOURLY PROD Loader Cycle Time: Cycle Time M Sto Truck Owr Op	Unadju Factors Laterial: Mate ockpile: Dum nership: No a eration: Cons Target: Nom	sted Basic Cycle erial 1/8" to 3/4" aped by truck 0.0 djustment - factor stant operation -(aped to 200 binal target 0.00	e Time (load, d diameter -0.02)2 or not applicab 0.04 Net Cycle Time	le 0.00	Factor (min -0.020 0.020 0.000 -0.040 0.000 -0.040	1	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
HOURLY PROD Loader Cycle Time: Cycle Time M Sta Truck Owr Op Dump	Unadju: Factors [aterial: Mate ockpile: Dum nership: No a eration: Cons Target: Nom - Road Condition	sted Basic Cycle erial 1/8" to 3/4" ped by truck 0.0 djustment - facto stant operation -(ninal target 0.00 N	e Time (load, d 2 diameter -0.02 02 07 not applicab 0.04 Net Cycle Time Adjusted Basic	Adjustment: Cycle Time:	Factor (min -0.020 0.020 0.000 -0.040 0.000 -0.040 0.510	1	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
HOURLY PROD	Unadju: Factors [aterial: Mate ockpile: Dum ership: No a eration: Cons Target: Nom - Road Condition Haul: _ Rutted	sted Basic Cycle erial 1/8" to 3/4" aped by truck 0.0 djustment - factor stant operation -(aped to 200 binal target 0.00	e Time (load, d diameter -0.02 02 07 not applicab 0.04 Net Cycle Time Adjusted Basic enance, no wat	Adjustment: Cycle Time:	Factor (min -0.020 0.020 0.000 -0.040 0.000 -0.040 0.510 ration 5.0	1	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
HOURLY PROD Loader Cycle Time: Cycle Time M Sta Truck Owr Op Dump Rolling Resistance - I Ref	Unadju: Factors (aterial: Mate ockpile: Dum ership: No a eration: Cons Target: Nom - Road Condition Haul: <u>Rutted</u>	sted Basic Cycle erial 1/8" to 3/4" aped by truck 0.0 djustment - facto stant operation -(and target 0.00 M ons dirt, little mainte	e Time (load, d diameter -0.02 02 07 not applicab 0.04 Net Cycle Time Adjusted Basic enance, no wat	Adjustment: Cycle Time:	Factor (min -0.020 0.020 0.000 -0.040 0.000 -0.040 0.510 ration 5.0	1	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
HOURLY PROD	Unadju: Factors [aterial: Mate ockpile: Dum ership: No a eration: Cons Target: Nom - Road Condition Haul: Rutted turn: Rutted ne	sted Basic Cycle erial 1/8" to 3/4" pped by truck 0.0 djustment - facto stant operation -(inal target 0.00 N ons dirt, little mainte dirt, little mainte	e Time (load, d diameter -0.02)2 or not applicab 0.04 Net Cycle Time Adjusted Basic enance, no wat	Adjustment: Cycle Time: er, 2" tire penet er, 2" tire penet	Factor (min -0.020 0.020 0.000 -0.040 0.000 -0.040 0.510 ration 5.0		Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
HOURLY PROD Loader Cycle Time: Cycle Time M Sta Truck Owr Op Dump Rolling Resistance - I Ref	Unadju: Factors [aterial: Mate ockpile: Dum hership: No a eration: Cons Target: Nom - Road Condition Haul: Rutted turn: Rutted ne Length	sted Basic Cycle erial 1/8" to 3/4" ped by truck 0.0 djustment - facto stant operation -(inal target 0.00 M ons dirt, little mainte dirt, little mainte dirt, little mainte	e Time (load, d c diameter -0.02 02 07 not applicab 0.04 Net Cycle Time Adjusted Basic enance, no wat enance, no wat enance, no wat	Adjustment: Cycle Time: er, 2" tire penet er, 2" tire penet Total Res.	Factor (min -0.020 0.020 0.000 -0.040 0.000 -0.040 0.510 ration 5.0 ration 5.0	1.)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes
HOURLY PROD Loader Cycle Time: Cycle Time M Sta Truck Owr Op Dump Rolling Resistance - I Ref	Unadju: Factors [aterial: Mate bckpile: Dum hership: No a eration: Cons Target: Nom - Road Condition Haul: Rutted turn: Rutted ne Length (feet)	sted Basic Cycle erial 1/8" to 3/4" pped by truck 0.0 djustment - facto stant operation -(inal target 0.00 N ons dirt, little mainte dirt, little mainte	e Time (load, d diameter -0.02)2 or not applicab 0.04 Net Cycle Time Adjusted Basic enance, no wat	Adjustment: Cycle Time: er, 2" tire penet er, 2" tire penet	Factor (min -0.020 0.020 0.000 -0.040 0.000 -0.040 0.510 ration 5.0	ime es)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes

5.00

8.00

Return Route:

300

3.00

0.2870

(Cat HB)

			Total Travel Tin Total Cycle Tin		minutes	
Load Bucket Capacity						
Rated Capacity	7.50	LCY (hea	iped)			
Bucket Fill Factor	r: 0.925	Loose ma	terial - 1/8" to 3/8	" (90 - 95%) 0.925		
Adjusted Capacity	/: 6.94	LCY				
Job Condition Correction Site Altitude: 7350 feet	Factors					
		Source				
Altitude Adj:	1.00	(CAT HB	3)			
Job Efficiency:	0.83	(1 shift/da	y)			
Net Correction:	0.83	multiplier				
Una	adjusted Hourly Uni	it Production:	409.69	LCY/Hour		
A	djusted Hourly Uni	it Production:	340.04	LCY/Hour		
А	djusted Hourly Flee	et Production:	340.04	LCY/Hour		
JOB TIME AND COST						
Fleet size:1	Loader(s	5)	Total job time:	5.29	Hours	
Unit cost: \$0.4	474 /LCY		Total job cost:	\$854		

Task description:	Distribute topsoil	in Area 3			
Duck Creek Mine	Perm	nit Action:	2023	Per	mit/Job#: <u>M2013022</u>
PROJECT IDENTI	FICATION				
Task #: 10A Date: 12/18/202 User: ACY	State:	Colorado Rio Blanco			viation: None lename: M022-10a
Agency or org	anization name: <u>DR</u>	MS			
HOURLY EQUIPM	ENT COST				
Basic Machine: Attachment 1:	Cat 345D L 12'-10" ROPS Cab	Stick		Horsepower: Weight (MT): Shift Basis: Data Source:	380 49.37 1 per day (CRG)
Cost Breakdown:		I			
Ownership Cost Operating Cost Operator Cost Total Unit Cost	/Hour: \$96.14 /Hour: \$37.3	4 2	Utilization % NA 100 NA		
Total Fleet Cos	t/Hour: \$255.	19			
	load bucket, swing load	*			215
Load Bucket Capacity	Secondary Job Con		1	tion: AVERAC	
Load Bucket Capacity				Bucket Size Cla	ass: Medium
Rated Capaci Bucket Fill Facto Adjusted Capaci	or: 0.975	LCY (hea Loose ma LCY			2 (95-100%) 0.975
Job Condition Correction	•		Site	e Altitude: <u>7350</u> fe	eet
	0.96 0.83 0.80 nadjusted Hourly Unit H Adjusted Hourly Unit H Adjusted Hourly Fleet H	Production:		LCY/Hour LCY/Hour LCY/Hour	
JOB TIME AND CO	<u>)ST</u>				
Elect size	1 Encounts	т. Т.		2.05	Hours
Fleet size:	1 Excavato	r 10	tal job time:	3.87	110015

REVEGETATION WORK

Task description: Reveg		Revegetate 5 acres distubanc	e		
Site: Duck Cr	eek Mine	Permit Action:	2023	Permit/Job#:	M2013022
PROJECT	IDENTIFIC	ATION			
Task #: Date: User:	11A 12/18/2023 ACY	State: Colorado County: Rio Blanco			None M022-11a
Age	ency or organiz	zation name: DRMS			

FERTILIZING

Materials

Description	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
Hand raking (MEANS 32 91 13.23 0250)	\$1,655.28
Total Tilling Cost/Acre	\$1,655.28

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	4.00	12.95	\$35.50
Bluebunch Wheatgrass - Secar	4.00	12.86	\$43.50
Bitterbrush, Antelope	2.00	0.62	\$39.00
Thickspike Wheatgrass - Critana	4.00	14.14	\$27.50
Sweetvetch, Utah or Northern	2.00	0.91	\$150.00
Western Wheatgrass - Rosanna	4.00	10.10	\$23.00
Prairie Junegrass	2.00	106.31	\$52.00
Sagebrush, Wyoming Big	4.00	236.55	\$93.00
Saltbush, Four Wing	2.00	2.75	\$25.00

Task # 11A

	r			_
Totals Seed Mix	28.00	397.18	\$488.50	

Application

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
Deleted - Silt fence, adverse cond. (MEANS 31 25 14.16 1100)	2,400.00	LINEAR FOOT	\$0.00	\$0.00
Herbicide - 2,4D @ 1.0 pt/ac	6.00	ACRE	\$4.01	\$24.04
Jute mesh #2, stapled (MEANS 31 25 14.16 0300)	5.00	ACRE	\$1,306.80	\$6,534.00
Total Mulch Materials Cost/Acre				\$6,558.04

Application

Description	Cost /Acre
Jute mesh #2 (MEANS 31 25 14.16 0300)	\$3,533.20
Silt fence, Labor + Maint for 6 months (MEANS 32 25 14.16 1100)	\$15.18
Total Mulch Application Cost/Acre	\$3,548.38

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:	5	Cost /Acre:	\$12,517.42
Estimate	ed Failure Rate:	25%	Cost /Acre*:	\$12,517.42
*Selected Replanti	ng Work Items:	TILLING,SEEDIN	G,MULCHING	
Initial Job Cost:	\$62,587.10			
Reseeding Job Cost:	\$15,646.78			
Total Job Cost:	\$78,234			
Job Hours:	24.00			

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description:	Init	ial Mobilization					
Duck Creek M	ine	Permit	Action: <u>2023</u>			Permit/Job#: <u>N</u>	/12013022
PROJECT IDEN	NTIFICATI	<u>ON</u>					
Task #: 12A		State: Co	olorado		Abbre	eviation: Non	e
Date: 12/1 User: AC	.8/2023 Y	County: Ri	o Blanco		F	ilename: M02	2-12a
Agency o	r organizatior	n name: DRMS					
EQUIPMENT T	RANSPOR	<u>T RIG COST</u>					
Truck	Tractor Desc	ription: GENE	RIC ON-HIGH	WAY TRU		rce: <u>CRG D</u> DR, 6X4, DIESE	ata
Truck	Trailer Desc	ription: G		DING GOO	(2ND HALF, SENECK, DF (25T, 50T, AN	ROP DECK EQU	JIPMENT
Cost Breakdown:							
Available Rig Ca		0-25 Tons	26-50 Tons		Tons		
Ownership		\$20.26	\$36.04	\$4	7.05		
	Cost/Hour:	\$39.51	\$76.08	\$8	2.85		
Operator	Cost/Hour:	\$22.52	\$22.52	\$2	2.52		
	Cost/Hour:	\$0.00	\$23.53	\$2	3.53		
Total Unit	Cost/Hour:	\$82.29	\$158.17	\$17	75.95		
NON ROADABI	LE EQUIPN	<u>MENT:</u>					
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit (TONS)	Cost/hr/ unit	Cost/hr/uni t	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
Cat 345D L 12'- 10" Stick	54.31	\$121.73	\$175.95	1	\$297.68	\$175.95	\$250.00
CAT 980H	33.12	\$61.69	\$158.17	1	\$219.86	\$158.17	\$500.00
Cat D8T - 8SU	47.71	\$241.38	\$158.17	1	\$399.55	\$158.17	\$250.00
Generic 12-18 cy, 6x4	9.85	\$26.39	\$82.29	2	\$217.36	\$164.58	\$500.00
				Cubtetel	¢1 104 45	\$ (= (0=	¢1 500 00
				Subtotals:	\$1,134.45	\$656.87	\$1,500.00

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. Crew	\$127.92	2	\$255.84	\$255.84
		Subtotals:	\$255.84	\$255.84

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance:	GRAND JUNCTION 90.00	miles
Average Travel Speed:	45.00	mph
Total Non-Roadable Mob/Demob Cost *	\$12,434.18	_
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$1,023.36	

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	2.00	2.00
Return Time (Hours):	2.00	2.00
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	5.00	4.00

JOB TIME AND COST

Total job time: **10.00** Hours

Total job cost: ______\$13,458

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Та	ask description	Sec	ondary Mobilizat	tion				
: _	Duck Creek N	/Iine	Permit	Action: <u>2023</u>]	Permit/Job#:	M2013022
<u>PR</u>	OJECT IDE	NTIFICATI	<u>ON</u>					
	Task #: 12	В	State: Co	olorado		Abbre	viation: Non	ie
	Date: 12	/18/2023	County: Ri	o Blanco		Fi	lename: M02	22-12b
	User: AC	CY						
	Agency	or organization	n name: DRMS					
EQ	UIPMENT	FRANSPOR	<u>T RIG COST</u>					
						Shift ba	sis: 1 per d	lay
					C	Cost Data Sour	rce: CRG D	Data
	True	Tractor Deco	rintion GENE	BIC ON HIGHN	VAV TRI	ICK TP ACTO	DR 6X1 DIECE	A POWERED
	Truc	k Tractor Desc	ription: GENE	RIC ON-HIGHV				EL POWERED,
			_		400 HP	(2ND HALF,	2006)	
		k Tractor Desc k Trailer Desc	_	ENERIC FOLD	400 HP ING GOO	(2ND HALF, SENECK, DF	2006) ROP DECK EQ	
	Truc		_	ENERIC FOLD	400 HP ING GOO	(2ND HALF,	2006) ROP DECK EQ	
<u>Cos</u>			_	ENERIC FOLD	400 HP ING GOO	(2ND HALF, SENECK, DF	2006) ROP DECK EQ	
	Truc	k Trailer Desc	_	ENERIC FOLD	400 HP ING GOO RAILER ((2ND HALF, SENECK, DF	2006) ROP DECK EQ	
	Truc <u>st Breakdown:</u> .vailable Rig C	k Trailer Desc	ription: G	ENERIC FOLD	400 HP ING GOO RAILER (51+	(2ND HALF, SENECK, DF (25T, 50T, AN	2006) ROP DECK EQ	
	Truc <u>st Breakdown:</u> vailable Rig C Ownershij Operating	k Trailer Desc apacities o Cost/Hour: g Cost/Hour:	ription: G	ENERIC FOLD T 26-50 Tons	400 HP ING GOO RAILER (51+ \$4	(2ND HALF, SENECK, DF (25T, 50T, AN Tons	2006) ROP DECK EQ	
	Truc <u>st Breakdown:</u> vailable Rig C Ownershij Operating Operato	k Trailer Desc Capacities o Cost/Hour: g Cost/Hour: r Cost/Hour:	ription: G 0-25 Tons \$20.26 \$39.51 \$22.52	ENERIC FOLD T 26-50 Tons \$36.04 \$76.08 \$22.52	400 HP ING GOO RAILER (51+ \$4 \$8 \$2	(2ND HALF, SENECK, DF (25T, 50T, AN 7.05 (2.85 (2.52)	2006) ROP DECK EQ	
	Truc <u>st Breakdown:</u> vailable Rig C Ownershij Operating Operato	k Trailer Desc apacities o Cost/Hour: g Cost/Hour:	ription: G 0-25 Tons \$20.26 \$39.51	ENERIC FOLD T 26-50 Tons \$36.04 \$76.08	400 HP ING GOO RAILER (51+ \$4 \$8 \$2	(2ND HALF, SENECK, DF (25T, 50T, AN Tons 7.05 (2.85	2006) ROP DECK EQ	
	Truc st Breakdown: vailable Rig C Ownershij Operating Operato Helpe	k Trailer Desc Capacities o Cost/Hour: g Cost/Hour: r Cost/Hour:	ription: G 0-25 Tons \$20.26 \$39.51 \$22.52	ENERIC FOLD T 26-50 Tons \$36.04 \$76.08 \$22.52	400 HP ING GOO RAILER (51+ \$4 \$8 \$2 \$2 \$2	(2ND HALF, SENECK, DF (25T, 50T, AN 7.05 (2.85 (2.52)	2006) ROP DECK EQ	
	Truc st Breakdown: vailable Rig C Ownershij Operating Operato Helpe	k Trailer Desc Capacities Cost/Hour: Cost/Hour: Cost/Hour: r Cost/Hour: r Cost/Hour:	ription: G 0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00	ENERIC FOLD T 26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53	400 HP ING GOO RAILER (51+ \$4 \$8 \$2 \$2 \$2	(2ND HALF, SENECK, DF (25T, 50T, AN 7.05 (2.85) (2.52) (3.53)	2006) ROP DECK EQ	
	Truc st Breakdown: vailable Rig C Ownershij Operating Operato Helpe	ck Trailer Desc capacities o Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour:	o-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29	ENERIC FOLD T 26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53	400 HP ING GOO RAILER (51+ \$4 \$8 \$2 \$2 \$2	(2ND HALF, SENECK, DF (25T, 50T, AN 7.05 (2.85) (2.52) (3.53)	2006) ROP DECK EQ	
	Truc st Breakdown: vailable Rig C Ownership Operating Operato Helpe Total Uni	k Trailer Desc 2apacities 2 Cost/Hour: 3 Cost/Hour: 1 Cost/Hour: 1 Cost/Hour: 2 Cost/Hour: 3 Cost/Hour: 3 Cost/Hour: 3 Cost/Hour: 3 Cost/Hour:	o-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29	ENERIC FOLD T 26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53 \$158.17	400 HP ING GOO RAILER (51+ \$4 \$8 \$2 \$2 \$2	(2ND HALF, SENECK, DF (25T, 50T, AN 7.05 (2.52 (2.52) (3.53) 75.95	2006) ROP DECK EQ ND 100T) Return Trip	UIPMENT DOT Permit
 	Truc st Breakdown: vailable Rig O Ownership Operating Operato Helpe Total Uni ON ROADAB Iachine	ck Trailer Desc capacities o Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour:	o-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29	ENERIC FOLD T 26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53	400 HP ING GOO RAILER (51+ \$4 \$8 \$2 \$2 \$2 \$1	(2ND HALF, SENECK, DF (25T, 50T, AN 7.05 (2.85) (2.52) (3.53)	2006) ROP DECK EQI ND 100T)	UIPMENT DOT Permit
	Truc st Breakdown: vailable Rig C Ownershij Operating Operato Helpe Total Uni	k Trailer Desc Capacities D Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour: SLE EQUIPN Weight/	0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship	ENERIC FOLD T 26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig	400 HP ING GOO RAILER (51+ \$4 \$8 \$2 \$2 \$1 Fleet	(2ND HALF, SENECK, DF (25T, 50T, AN 7.05 (2.85) (2.52) (3.53) 75.95 Haul Trip	2006) ROP DECK EQ ND 100T) Return Trip	UIPMENT DOT Permit
	Truc st Breakdown: vailable Rig O Ownership Operating Operato Helpe Total Uni ON ROADAB Iachine	k Trailer Desc Capacities o Cost/Hour: g Cost/Hour: r Cost/Hour: r Cost/Hour: t Cost/Hour: SLE EQUIPN Weight/ Unit	0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship	ENERIC FOLD T 26-50 Tons \$36.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni t	400 HP ING GOO RAILER (51+ \$4 \$8 \$2 \$2 \$1 Fleet	(2ND HALF, SENECK, DF (25T, 50T, AN 7.05 (2.85 (2.52) (3.53) 75.95 Haul Trip Cost/hr/	2006) ROP DECK EQ ND 100T) Return Trip	UIPMENT DOT Permit

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	\$127.92	2	\$255.84	\$255.84
		Subtotals:	\$255.84	\$255.84

Subtotals: \$255.84 \$255.84

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	GRAND JUNCTION 90.00 45.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$0.00	
Total Roadable Mob/Demob Cost **	\$1,023.36	

Transportation Cycle Time:

Haul Time (Hours): Return Time (Hours): Loading Time (Hours): Unloading Time (Hours):	Non- Roadable Equipment 2.00 2.00 0.50 0.50	Roadable Equipment 2.00 2.00 NA NA
Unloading Time (Hours):	0.50	NA
Subtotals:	5.00	4.00

JOB TIME AND COST

Total job time: **4.00** Hours

Total job cost: **\$1,023**