COST SUMMARY WORK

Ta	ask description:	Cost Summary of Reclamat	ion Tasks				
te:	McCormick Pit 1	Permit Action:	2020 New App		Permit/J	ob#:	M2020017
PR	OJECT IDENTIFIC	CATION					
	Task #: 000	State: Colorado		1	Abbreviation	: N	Vone
	Date: 5/13/2020	County: Kit Carson	n		Filename		1017-000
	User: ERR						
	Agency or organi	zation name: DRMS					
7E A		GOGTTO)					
<u>TA</u>	SK LIST (DIRECT	<u>COSTS)</u>		T			
sk	5		Form	Fleet	Task		Cont
	Description	rombrandon	Used DOZER	Size	Hours		Cost
1 2	Backfill and Grade O Replace and Shape To		DOZER	1 1	44.31 19.88		\$10,630 \$4,727
3	Revegetate the Site	υρευπ	REVEGE	1	6.00		\$7,725
4	Mob/Demob of Recla	mation Equipment	MOBILIZE	1	1.40		\$2,045
		1 1	ı	1			. /
			SUBTO	TALS:	71.	59	\$25,127
TNII							
	DIRECT COSTS ERHEAD AND PROFI	T:					
<u> </u>	Liability insurar				Total =	\$508	.
	Performance bo				Total = _	\$264	
	Job superintende				Total =	\$0	
		ofit: 10.00			Total =	\$2,5	13
				TOTAI	LO&P=	\$3,2	84
		CONT	RACT AMOUNT	(direct +	O & P) =	\$28,	411
LEC	GAL - ENGINEERING	- PROJECT MANAGEMENT	:				
	Financial warranty pro	ocessing (legal/related costs):	\$0		Total =	\$0	
		d/or contract/bid preparation:	0.00	=	Total =	\$0	
	Reclamation manag	gement and/or administration:	5.00	_ _	_	\$1,4	21
		CONTINGENCY:	0.00		Total = _	\$0	
			TOTAL IN	NDIRECT	Γ COST = _	\$4,7	05
		TOTAL B	OND AMOUNT (direct + i	ndirect) = _	\$29,	832
		т∩т	'AL ROND AMO	IINT (ro	unded) –	\$30	000

BULLDOZER WORK

Task description:	Backfill and Grade Overbu	ırden		
: McCormick Pit 1	Permit Action:	2020 New App	Permit/Job#:	M2020017
PROJECT IDENTIFI	CATION			
Task #: 001	State: Colorado)	Abbreviation:	None
Date: 5/13/2020	County: Kit Carse	on	Filename:	M017-001
User: ERR			_	
Agency or organ	nization name: DRMS			
HOURLY EQUIPME	NT COST			
Basic Machine: Cat	D8T - 8SU			
Horsepower: 310				
Blade Type: Sem	ni-Universal			
	nank ripper			
	er day			
Data Source: (CR	(G)			
Cost Breakdown:				
		Utilization %		
Ownership Cost/Hour:	\$103.86	NA		
Operating Cost/Hour:	\$82.26			
Ripper own. Cost/Hour:	\$10.43			
Ripper op. Cost/Hour:	\$2.10	25		
Operator Cost/Hour:	\$41.24	NA		
•	\$41.24	NA		
Total unit Cost/Hour:	\$41.24 \$239.88	NA		
-	\$41.24	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$239.88 \$239.88	NA NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT	\$239.88 \$239.88 ITIES	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume:17,77	\$239.88 \$239.88 ITIES	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115	\$41.24 \$239.88 \$239.88 ITIES 78	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115	\$239.88 \$239.88 ITIES	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82	\$239.88 \$239.88 ITIES 78 5 22 LCY			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volume	\$41.24 \$239.88 \$239.88 ITIES 78 5 22 LCY ne: Application: Average			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82	\$41.24 \$239.88 \$239.88 ITIES 78 5 22 LCY ne: Application: Average			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volum Source of estimated swell	\$239.88 \$239.88 ITIES 78 5 22 LCY ne: Application: Average factor: Cat Handbook			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volum Source of estimated swell HOURLY PRODUCT	\$239.88 \$239.88 ITIES 78 5 22 LCY ne: Application: Average factor: Cat Handbook			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$239.88 \$239.88 ITIES 78 5 22 LCY ne: Application: Average factor: Cat Handbook TION 200 feet			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volum Source of estimated swell HOURLY PRODUCT	\$239.88 \$239.88 ITIES 78 5 22 LCY ne: Application: Average factor: Cat Handbook TION 200 feet			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$239.88 \$239.88 ITIES 78 5 22 LCY ne:	e of 2' over 5.51		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency descriptions	\$239.88 \$239.88 ITIES 78 5 22 LCY ne:	e of 2' over 5.51		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency descarded and severage push gradient:	\$239.88 \$239.88 ITIES 78 5 22 LCY ne: Application: Average factor: Cat Handbook TION 200 feet 491.9 LCY/hr cription: Partly consolidate -25 %	e of 2' over 5.51		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency descriptions	\$239.88 \$239.88 ITIES 78 5 22 LCY ne:	e of 2' over 5.51		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency descriptions Average push gradient:	\$239.88 \$239.88 ITIES 78 5 22 LCY ne: Application: Average factor: Cat Handbook TION 200 feet 491.9 LCY/hr cription: Partly consolidate -25 %	e of 2' over 5.51		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency deserved and served site altitude:	\$239.88 \$239.88 ITIES 78 5 22 LCY ne: Application: Average Cat Handbook TION 200 feet 491.9 LCY/hr cription: Partly consolidate -25 % 4,300 feet	e of 2' over 5.51		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency deservate altitude: Material weight: Weight description:	\$41.24 \$239.88 \$239.88 ITIES 78 5 22 LCY ne:	d stockpile 1.1		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency deservated site altitude: Material weight: Weight description: Job Condition Correction	\$239.88 \$239.88 ITIES 78 5 22 LCY ne:	d stockpile 1.1		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency descarded and success are success and success are success and success are success and success are success and suc	\$239.88 \$239.88 ITIES 78 5 22 LCY ne:	d stockpile 1.1 Source (AVG.)		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 17,77 Swell factor: 1.115 Loose volume: 19,82 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency deservated site altitude: Material weight: Weight description: Job Condition Correction	\$239.88 \$239.88 ITIES 78 5 22 LCY ne:	d stockpile 1.1		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.516	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.9094

Adjusted unit production: 447.33 LCY/hr
Adjusted fleet production: 447.33 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.536/LCY

Total job time: 44.31 Hours
Total job cost: \$10,630

BULLDOZER WORK

Task descr	iption:	Re	place and Sha	pe Topsoil			
: McCorr	nick Pit	1	Per	mit Action: _	2020 New App	Permit/Job#:	M2020017
PROJEC	T IDEN	TIFICAT	<u> TION</u>				
Task #:	002		State:	Colorado		Abbreviation:	None
Date:	5/13/2	2020	County:	Kit Carson		Filename:	M017-002
User:	ERR		=			_	
A	gency or	organizatio	on name: Dl	RMS			
HOURLY	Y EQUI	PMENT (COST				
Basic M	Iachine:	Cat D8T	- 8SU				
	epower:	310					
	e Type:	Semi-Un	iversal		_		
Attac	chment:	3-shank r	ripper		_		
Shif	t Basis:	1 per day			<u></u>		
Data	Source:	(CRG)			_		
Cost Break	down:						
Cost Birdin				1	<u>Utilization %</u>		
Ownershi	ip Cost/H	our:		\$103.86	NA		
	g Cost/H			\$82.26	100		
Ripper own				\$10.43	NA		
Ripper of	p. Cost/H	our:		\$0.00	0		
Operato	r Cost/H	our:		\$41.24	NA		
- TD - 1 - 1 - 1	G ./TT	Φ22	7.70	<u> </u>			
Total unit			7.79				
Total Fleet	Cost/no	ur: \$23	7.79				
Initial Vo Swell	olume: _ factor: _	4,444 1.000					
Loose vo	olume: _	4,444 LCY	<u>(</u>				
Source of 6		volume: swell facto		on: 6" over 5 lbook	.51 Acres		
HOURLY	Y PROD	UCTION	<u>[</u>				
Average pi	ush distan	ice:	350 feet				
Unadjusted			233.3 LCY	/hr			
Materials o							
	consistenc	cy description	on: Loose	stockpile 1.2			
Average pi Average si	ush gradie	ent:5 %		stockpile 1.2			
	ush gradie te altitude	ent: -5 % 4,30		stockpile 1.2			
Average si	ush gradie te altitude eight:	ent: -5 9 e: 4,30	% 00 feet	stockpile 1.2			
Average si Material w Weight des	ush gradic te altitude eight: scription:	ent:5 %	% 00 feet 00 lbs/LCY o Soil	stockpile 1.2	Source		
Average si Material w Weight des	ush gradic te altitude eight: scription: ion Corre	ent: -5 9 e: 4,30	% 00 feet 00 lbs/LCY o Soil or	stockpile 1.2	Source (AVG.)		
Average si Material w Weight des Job Condit	ush gradic te altitude eight: scription: ion Corre Oper	ent:5 % e:4,301,60	% 00 feet 00 lbs/LCY 0 Soil 0r 0				
Average si Material w Weight des Job Condit	ush gradic te altitude eight: scription: ion Corre Operaterial co	ent:5 9 e:4,30	% 00 feet 00 lbs/LCY 0 Soil 0 0 1	.750	(AVG.)		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.9582

Adjusted unit production: 223.55 LCY/hr
Adjusted fleet production: 223.55 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.064/LCY

Total job time: 19.88 Hours
Total job cost: \$4,727

REVEGETATION WORK

Task descri	ption:	Revegetate the S	Site			
ite: McCorn	nick Pit 1	Pe	rmit Action:	2020 New App	Permit/Jo	o#: <u>M2020017</u>
PROJECT	IDENTIFI	CATION				
Task #:	003	State:	Colorado		Abbreviation:	None
Date:	5/13/2020	County:	Kit Carson		Filename:	M017-003
User:	ERR					

FERTILIZING

Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Ammonium nitrate, 33-0-0	121.00	pound	\$0.34	\$40.54
Triple superphosphate, 0-46-0	87.00	pound	\$0.43	\$36.98
			Total Fertilizer Materials	
			Cost/Acre	\$77.51

Application

Description		Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)		\$36.15
	Total Fertilizer Application Cost/Acre	\$36.15

TILLING

Description	Cost /Acre
Chisel plowing {DMG}	\$94.63
Total Tilling Cost/Acre	\$94.63

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	10.00	163.22	\$137.25
Buffalograss - Native/Plains	10.00	9.64	\$120.67
Western Wheatgrass - Native	6.00	15.15	\$36.00
Totals Seed Mix	26.00	188.02	\$293.92

Application

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

Total Seed Application Cost/Acre	\$232.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	1.50	TON	\$295.00	\$442.50
Total Mulch Materials Cost/Acre				\$442.50

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$70.17
	Total Mulch Application Cost/Acre	\$70.17

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 5.51 Cost /Acre: \$1,246.88 Estimated Failure Rate: 25%
Selected Replanting Work Items: TILLING,SEEDING Cost /Acre: \$620.55

Initial Job Cost: **\$6,870.31** Reseeding Job Cost: \$854.81 Total Job Cost: \$7,725 Job Hours: 6.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: M	ob/Demob of Rec	lamation Equipr	nent		
e: McCormick Pit 1	Permit	Action: 2020 1	New App Pe	ermit/Job	#: <u>M2020017</u>
PROJECT IDENTIFICAT	<u>ION</u>				
Task #: 004 Date: 5/13/2020 User: ERR	-	olorado it Carson	Abbrev File	iation: _ ename: _	None M017-004
Agency or organization	on name: DRMS	S			
EQUIPMENT TRANSPOR	RT RIG COST				
			Shift basis Cost Data Source		per day RG Data
Truck Tractor Des	cription: GENI	ERIC ON-HIGHV	VAY TRUCK TRACTOR 400 HP (2ND HALF, 20		DIESEL POWERED
Truck Trailer Des	cription: C		ING GOOSENECK, DRO RAILER (25T, 50T, AND		K EQUIPMENT
Cost Breakdown:					
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons		
Ownership Cost/Hour:	\$17.20	\$29.63	\$38.69		
Operating Cost/Hour:	\$26.56	\$47.02	\$55.69		

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

Operator Cost/Hour:

Helper Cost/Hour:

\$23.63

\$0.00

\$67.39

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Cat D8T - 8SU	53.08	\$114.29	\$141.54	1	\$255.83	\$141.54	\$250.00
Power Mulcher	6.00	\$9.74	\$67.39	1	\$77.13	\$67.39	\$250.00
(Bowie LD-90)							
Drill/Broadcast	25.00	\$18.15	\$67.39	1	\$85.54	\$67.39	\$250.00
Seeder with							
Tractor							

\$23.63

\$23.53

\$123.81

\$23.63

\$23.53

\$141.54

Subtotals: \$418.50 \$276.32 \$750.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$40.61	1	\$40.61	\$40.61

Calatatala	¢40.71	¢40.71
Subtotals:	\$40.61	\$40.61

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

BURLINGTON
miles
55.00
mph

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.20	0.20
Return Time (Hours):	0.20	0.20
Loading Time (Hours):	0.15	NA
Unloading Time (Hours):	0.15	NA
Subtotals:	0.70	0.40

JOB TIME AND COST

Total job time:	1.40	Hours
Total job cost:	\$2,045	