STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY
Department of Natural Resources

1313 Sherman St., Room 215
Denver, Colorado 80203
Phone: (303) 866-3567
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COLORADO DIVISION OF RECLAMATION MINING & SAFETY

September 19, 2013

Gary Boyce
Boyce Land & Cattle Co., LLC
17425 Rd. 66T
Moffat, CO 81143

Re: File No. M-2013-054, Cotton Creek Pit, 110c Decision Letter - Financial and Performance Warranty Request - Construction Material Operation

Dear Mr. Boyce,

On September 17, 2013, the Division of Reclamation, Mining and Safety approved your 110c mining permit application.

The amount of financial warranty set by the Division for this operation is $10,120.74. You must submit a financial warranty in this amount and a performance warranty in order for us to issue a permit. In the event you have requested a financial warranty form, we have enclosed it in this letter. If you have not, please select a type of financial warranty from Rule 4.3. Then contact us so that we can provide you with the appropriate warranty form. Alternatively, you may fill out and print the proper form from our website, by going to: http://mining.state.co.us/Forms/Pages/WarrantyForms.aspx

We have enclosed a performance warranty form with this letter for your use.

PLEASE NOTE THAT MINING OPERATIONS MAY NOT COMMENCE UNTIL A PERMIT HAS BEEN ISSUED BY THE DIVISION AFTER RECEIPT OF YOUR FINANCIAL WARRANTY AND PERFORMANCE WARRANTY. A PERMIT WILL NOT BE ISSUED UNTIL WE VERIFY THE ADEQUACY OF BOTH YOUR FINANCIAL WARRANTY AND PERFORMANCE WARRANTY.

If you have any questions, please contact me in Durango at 970-247-5193.

Sincerely,

Bob Oswald
Environmental Protection Specialist

Enclosure: Reclamation cost estimate, Performance Warranty form

Cc(w/encl): Ken Skoglund, Skoglund Excavating Inc., PO Box 209, Moffat, CO 81143

(c:\13-09 docs\M2013054 appr ltr/rco)

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COLORADO DIVISION OF RECLAMATION MINING & SAFETY

PERFORMANCE WARRANTY

Operator: Gary Boyce

Operation: Cotton Creek Pit

Permit Number: M-2013-054

This form has been approved by the Mined Land Reclamation Board ("Board") pursuant to the Mined Land Reclamation Act (C.R.S. § 34-32-101 et. seq.) ("Hard Rock Act") and associated Rules (2 C.C.R. 407-1) ("Hard Rock Rules") and the Land Reclamation Act for the Extraction of Construction Materials (C.R.S. § 34-32.5-101 et. seq.) ("Construction Materials Act") and associated Rules (2 C.C.R. 407-4) ("Construction Materials Rules"). Any alteration or modification of this form, without approval by the Board shall result in the performance warranty being invalid and result in the voiding of any permit issued in conjunction with such invalid performance warranty and subject the operator to cease and desist orders and civil penalties for operating without a permit pursuant to sections 34-32-123, C.R.S. of the Hard Rock Act and 34-32.5-123, C.R.S. of Construction Materials Act.

KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, the Colorado Mined Land Reclamation Act, C.R.S. § 34-32-101 et seq. (the "Hardrock Act"), as amended, and the Colorado Land Reclamation Act for the Extraction of Construction Materials, C.R.S. § 34-32.5-101 et seq. (the "Construction Materials Act"), as amended (collectively the "Acts"), provide that no permit may be issued until the Mined Land Reclamation Board (the "Board") receives a performance warranty consisting of the Operator's written promise to comply with the requirements of the Hardrock or Construction Materials Act, whichever is applicable.

WHEREAS, Gary Boyce (the "Operator"), has applied for a permit to conduct a mining operation known as Cotton Creek Pit (the "Operation") on certain lands in Saguache County, Colorado. These lands are described in the permit application, as amended and supplemented, and are referred to herein as the "Affected Lands."

WHEREAS, in its application for the permit, the Operator has agreed to be bound by all requirements of the Hardrock or Construction Materials Act and all applicable rules and regulations of the Board, as amended from time to time.

WHEREAS, the Operator hereby gives the Board this performance warranty pursuant to C.R.S. §§ 34-32-117(2) or 34-32.5-117(2), and herein promises the Board that it will comply with all applicable requirements of the Hardrock or Construction Materials Act.

NOW, THEREFORE, The Operator hereby promises the Board that it will comply with all applicable requirements of the Hard Rock or Construction Materials Act and applicable rules and regulations of the Board.

The Operator hereby promises the Board that it will comply with all of the terms of the application for a permit, as amended and supplemented, as well as any conditions attached to the permit by the Board.

The Operator promises the Board, pursuant to C.R.S. §§ 34-32-112(1)(d) or 34-32.5-112(1)(b)(IV), that it has the lawful authority to enter upon the Affected Lands to conduct mining operations, including, but not limited to, reclamation. The Operator further recognizes the right of the Board to enter to reclaim lands affected by the Operation.

The description of lands herein is for convenience of reference only, and no error in such description, revision of the permitted mining area, or disturbance by the Operator of lands outside of the permitted mining area shall alter or diminish the Operator's obligation hereunder, which shall extend to the reclamation of all such lands disturbed.

The obligation of the Operator hereunder is such that, if the Operator shall successfully comply with the requirements of the Hardrock or Construction Materials Act, applicable rules and regulations, and the permit, then the Board, upon a finding that the Operator has so complied, shall release this performance warranty, and the Operator from its obligation hereunder. The obligation of the Operator hereunder shall continue until released by the Board in accordance with applicable law.

The Operator promises to be responsible for the cost of reclamation up to the amount established by the Board and has attached hereto its financial warranty, in accordance with C.R.S. §§ 34-32-117(3) or 34-32.5-117(3). The Operator agrees that it will maintain a financial warranty (or warranties) covering the Board's estimated costs of reclamation in good standing for the entire life of the permit. If the Operator is a unit of County or Municipal government, or is a department or division of State government, the Operator is not required to submit or post any other instrument of financial responsibility but hereby promises to be responsible for the cost of reclamation up to the amount specified by the Board.

If the Board determines that the Operator is in default under this performance warranty and has failed to cure such default, although written notice of such default and ample time to cure such default have been given, the Operator's financial warranty shall be subject to forfeiture.

This performance warranty may be executed in multiple copies, each of which shall be treated as an original, but together they constitute only one agreement, the validity and interpretation of which shall be governed by the laws of the State of Colorado. The provisions hereof shall bind and inure to the benefit of the parties hereto and their successors and assigns.

SIGNED, SEALED AND DATED this _____ day of _____, _____.

_____

Operator (SEAL)

By: _____

Title: _____

NOTARIZATION OF OPERATOR'S ACKNOWLEDGEMENT

STATE OF _____)
) ss.:
COUNTY OF _____)

The foregoing instrument was acknowledged before me this _____ day of _____, _____,
by _____ as _____ of _____.

Notary Public _____

My Commission Expires _____

STATE OF COLORADO
DEPARTMENT OF NATURAL RESOURCES
MINED LAND RECLAMATION BOARD
DIVISION OF RECLAMATION, MINING AND SAFETY

By: _____
Division Director

Date Executed: _____

Rev. 05/12

COST SUMMARY WORK

Task description: **Cost summary**

Site: **Cotton Creek Pit** Permit Action: New 110 Permit/Job#: M2013054

PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None
Date: 9/19/2013 County: Saguache Filename: M054-000
User: RCO

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Dispose of debris	DEMOLISH	1	0.00	$24.64
002	Reduce pit slopes to 3:1	DOZER	1	0.94	$185.70
003	Spread topsoil on pit slopes	DOZER	1	1.63	$323.64
004	Rip pit floor and staging area	RIPPER	1	4.52	$954.00
005	Carry topsoil to pit floor	LOADER	1	4.96	$472.00
006	Spread topsoil on pit floor	DOZER	1	1.63	$322.83
007	Revegetate 5-acre disturbed area	REVEGE	1	12.00	$2,487.29
008	Haul reclamation equipment to and from site	MOBILIZE	1	5.84	$3,754.53
		SUBTOTALS:		**31.52**	**$8,524.63**

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02%	Total =	$172.20
Performance bond:	1.05%	Total =	$89.51
Job superintendent:	0.00 hrs	Total =	$0.00
Profit:	10.00%	Total =	$852.46
		TOTAL O & P =	$1,114.17
		CONTRACT AMOUNT (direct + O & P) =	$9,638.80

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	0.00	Total =	0.00
Engineering work and/or contract/bid preparation:	0.00%	Total =	$0.00
Reclamation management and/or administration:	5.00%		$481.94
CONTINGENCY:	0.00	Total =	$0.00
		TOTAL INDIRECT COST =	$1,596.11
		TOTAL BOND AMOUNT (direct + indirect) =	**$10,120.74**

DEMOLITION WORK

Task description: **Dispose of debris**

Site: **Cotton Creek Pit** Permit Action: New 110 Permit/Job#: M2013054

PROJECT IDENTIFICATION

Task #: 001 State: Colorado Abbreviation: None
Date: 9/19/2013 County: Saguache Filename: M054-001
User: RCO

Agency or organization name: DRMS

UNIT COSTS **Location adjustment: 91.60 %**

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Misc debris	15 cy	Push demolished materials/rubble/debris into pit - Max. 50 ft. push	15.00	CY	$0.23	$3.50
Excavate disposal pit	15 cy	Excavate disposal pit with dozer (includes completed pit backfilling/grading)	15.00	CY	$1.56	$23.40

Job Hours: 0.00 **Subtotal (unadjusted):** $26.90 **Total Cost (adjusted for location):** $24.64

Note: Onsite burial of debris is approved as long as there are no hydrocarbons or contaminants, and there is no exposed groundwater.

BULLDOZER WORK

Task description: **Reduce pit slopes to 3:1**

Site: **Cotton Creek Pit** Permit Action: New 110 Permit/Job#: M2013054

PROJECT IDENTIFICATION

Task #: 002 State: Colorado Abbreviation: None
Date: 9/19/2013 County: Saguache Filename: M054-002
User: RCO

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU
Horsepower: 310
Blade Type: Semi-Universal
Attachment: NA
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$56.69	NA
Operating Cost/Hour:	$104.03	100
Ripper op. Cost/Hour:	$0.00	0
Operator Cost/Hour:	$37.41	NA

Total unit Cost/Hour: $198.13
Total Fleet Cost/Hour: **$198.13**

MATERIAL QUANTITIES

Initial Volume: 500
Swell factor: 1.330
Loose volume: **665** LCY

Source of estimated volume: Division of Reclamation, Mining & Safety
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
Unadjusted hourly production: 1,400.0 LCY/hr

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient: -20 %
Average site altitude: 7,800 feet

Material weight: 2,900 lbs/LCY

Weight description: Decomposed rock - 50% Rock, 50% Earth

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.000	(GEN.)

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.426	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5068

Adjusted unit production: 709.52 LCY/hr
Adjusted fleet production: **709.52** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: $0.279/LCY

Total job time: **0.94** Hours
Total job cost: **$185.70**

BULLDOZER WORK

Task description: **Spread topsoil on pit slopes**

Site: **Cotton Creek Pit** Permit Action: New 110 Permit/Job#: M2013054

PROJECT IDENTIFICATION

Task #: 003 State: Colorado Abbreviation: None
Date: 9/19/2013 County: Saguache Filename: M054-003
User: RCO

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU
Horsepower: 310
Blade Type: Semi-Universal
Attachment: NA
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$56.69	NA
Operating Cost/Hour:	$104.03	100
Ripper op. Cost/Hour:	$0.00	0
Operator Cost/Hour:	$37.41	NA

Total unit Cost/Hour: $198.13
Total Fleet Cost/Hour: **$198.13**

MATERIAL QUANTITIES

Initial Volume: 881
Swell factor: 1.125
Loose volume: **991** LCY

Source of estimated volume: Division of Reclamation, Mining & Safety
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 80 feet
Unadjusted hourly production: 984.2 LCY/hr

Materials consistency description: Partly consolidated stockpile 1.1

Average push gradient: -20 %
Average site altitude: 7,800 feet

Material weight: 2,550 lbs/LCY

Weight description: Earth - Dry packed

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	1.100	(CAT HB)
Dozing method:	1.000	(GEN.)

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.426	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6165

Adjusted unit production: 606.76 LCY/hr
Adjusted fleet production: **606.76** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: $0.327/LCY

Total job time: **1.63** Hours
Total job cost: **$323.64**

BULLDOZER RIPPING WORK

Task description: **Rip pit floor and staging area**

Site: **Cotton Creek Pit** Permit Action: New 110 Permit/Job#: M2013054

PROJECT IDENTIFICATION

Task #: 004 State: Colorado Abbreviation: None
Date: 9/19/2013 County: Saguache Filename: M054-004
User: RCO

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU Horsepower: 310
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$63.00	NA
Operating Cost/Hour:	$104.03	100
Ripper Operating Cost/Hour:	$6.53	100
Operator Cost/Hour:	$37.41	NA
Total Unit Cost/Hour:	$210.98	
Total Fleet Cost/Hour:	**$210.98**	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 3.00 acres Rip Depth (ft): 1.00 Volume: 4,840 BCY or CCY

Source of estimated quantity: Application

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	2.56	mph
Average Ripping Width:	7.08	degrees
Average Ripping Length:	300.00	feet
Average Dozer Speed:	88.00	feet
Average Maneuver Time:	0.25	feet
Production per unit area:	0.800	acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	0.800	Acres/hr
Site Altitude:	7,800	feet
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier
Adjusted Hourly Unit Production:	0.66	Acres/hr
Adjusted Hourly Fleet Production:	**0.66**	Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **4.52** Hours

Unit cost: $317.920 Per acre Total job cost: **$954.00**

WHEEL LOADER – LOAD AND CARRY WORK

Task description: **Carry topsoil to pit floor**

Site: **Cotton Creek Pit** Permit Action: New 110 Permit/Job#: M2013054

PROJECT IDENTIFICATION

Task #: 005 State: Colorado Abbreviation: None
Date: 9/19/2013 County: Saguache Filename: M054-005
User: RCO

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 938H Horsepower: 172
Attachment 1: ROPS Cab Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$21.45	NA
Operating Cost/Hour:	$37.75	100
Operator Cost/Hour:	$35.82	NA
Total Unit Cost/Hour:	$95.01	
Total Fleet Cost/Hour:	$95.01	

MATERIAL QUANTITIES

Initial volume: 1,076 CCY Swell factor: 1.000
Loose volume: **1,076** LCY

Source of estimated volume: Division of Reclamation, Mining & Safety
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.483 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Stockpile:	Dumped by truck 0.02	0.020	(Cat HB)
Truck Ownership:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
	Net Cycle Time Adjustment:	-0.020	minutes
	Adjusted Basic Cycle Time:	0.463	minutes

Rolling Resistance – Road Conditions

Haul: Rutted dirt, little maintenance, no water, 1" tire penetration 4.0
Return: Rutted dirt, little maintenance, no water, 1" tire penetration 4.0

Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	300	0.00	4.00	4.00	0.2477	(Cat HB)
Return Route:	300	0.00	4.00	4.00	0.2310	(Cat HB)

Total Travel Time:	0.4787	minutes
Total Cycle Time:	**0.9412**	minutes

Load Bucket Capacity

Rated Capacity:	3.90	LCY (heaped)	
Bucket Fill Factor:	1.050	Other - moist loam	(100-110%) 1.050
Adjusted Capacity:	**4.10**	LCY	

Job Condition Correction Factors
Site Altitude: 7800 feet

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

Unadjusted Hourly Unit Production:	261.04	LCY/Hour
Adjusted Hourly Unit Production:	216.67	LCY/Hour
Adjusted Hourly Fleet Production:	**216.67**	LCY/Hour

JOB TIME AND COST

Fleet size:	1	Loader(s)	Total job time:	**4.97**	Hours
Unit cost:	$0.439	/LCY	Total job cost:	**$472.00**	

BULLDOZER WORK

Task description: **Spread topsoil on pit floor**

Site: **Cotton Creek Pit** Permit Action: New 110 Permit/Job#: M2013054

PROJECT IDENTIFICATION

Task #: 006 State: Colorado Abbreviation: None
Date: 9/19/2013 County: Saguache Filename: M054-006
User: RCO

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU
Horsepower: 310
Blade Type: Semi-Universal
Attachment: NA
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$56.69	NA
Operating Cost/Hour:	$104.03	100
Ripper op. Cost/Hour:	$0.00	0
Operator Cost/Hour:	$37.41	NA

Total unit Cost/Hour: $198.13
Total Fleet Cost/Hour: **$198.13**

MATERIAL QUANTITIES

Initial Volume: 1,076
Swell factor: 1.000
Loose volume: **1,076** LCY

Source of estimated volume: Division of Reclamation, Mining & Safety
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet
Unadjusted hourly production: 1,400.0 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: 0 %
Average site altitude: 7,800 feet

Material weight: 2,550 lbs/LCY

Weight description: Earth - Dry packed

Job Condition Correction Factor

		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4717

Adjusted unit production: 660.38 LCY/hr
Adjusted fleet production: **660.38** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: $0.300/LCY

Total job time: **1.63** Hours
Total job cost: **$322.83**

REVEGETATION WORK

Task description: **Revegetate 5-acre disturbed area**

Site: **Cotton Creek Pit** Permit Action: New 110 Permit/Job#: M2013054

PROJECT IDENTIFICATION

Task #: 007 State: Colorado Abbreviation: None
Date: 9/19/2013 County: Saguache Filename: M054-007
User: RCO

Agency or organization 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	$98.01
Weed control spraying (MEANS 31 31 16.13 3100)	$145.20
Total Tilling Cost/Acre	**$243.21**

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	1.00	16.32	$10.65
Crested Wheatgrass - Hy-Crest	3.00	13.77	$7.17
Russian Wildrye - Bozoisky	2.00	8.03	$12.48
Yellow Sweet Clover - Madrid	1.00	5.97	$2.55
Western Wheatgrass - Arriba	5.00	12.63	$18.40
Totals Seed Mix	12.00	56.73	**$51.25**

Application

Description	Cost /Acre
Drill seeding (DRMS Cost Data)	$88.20
Total Seed Application Cost/Acre	**$88.20**

MULCHING and MISCELLANEOUS

Materials

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

Application

Description	Cost /Acre
	$
Total Mulch Application Cost/Acre	**$0.00**

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
Estimated Failure Rate: 30%
*Selected Replanting Work Items: TILLING,SEEDING

Cost /Acre: $382.66
Cost /Acre*: $382.66

Initial Job Cost: **$1,913.30**
Reseeding Job Cost: **$573.99**
Total Job Cost: **$2,487.29**
Job Hours: **12.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: **Haul reclamation equipment to and from site**

Site: **Cotton Creek Pit** Permit Action: New 110 Permit/Job#: M2013054

PROJECT IDENTIFICATION

Task #: 008 State: Colorado Abbreviation: None
Date: 9/19/2013 County: Saguache Filename: M054-008
User: RCO

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day
Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006)

Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)

Cost Breakdown:

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	$16.63	$18.37	$22.33
Operating Cost/Hour:	$44.38	$46.13	$50.07
Operator Cost/Hour:	$27.66	$27.66	$27.66
Helper Cost/Hour:	$0.00	$25.39	$25.39
Total Unit Cost/Hour:	$88.67	$117.55	$125.45

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D8T - 8SU	53.08	$63.00	$125.45	1	$188.45	$125.45	$250.00
CAT 938H	16.34	$21.45	$88.67	1	$110.12	$88.67	$250.00
Drill/Broadcast Seeder with Tractor	25.00	$39.59	$88.67	1	$128.26	$88.67	$250.00
Subtotals:					**$426.83**	**$302.79**	**$750.00**

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Subtotals:			**$0.00**	**$0.00**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	ALAMOSA	
Total one-way travel distance:	48.00	miles
Average Travel Speed:	50.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	$3,754.53	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	$0.00	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.96	0.96
Return Time (Hours):	0.96	0.96
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.92	1.92

JOB TIME AND COST

Total job time:	**5.84**	Hours
Total job cost:	**$3,754.53**	