

STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY

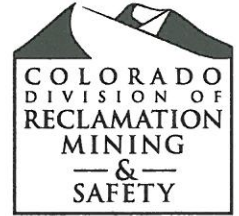
Department of Natural Resources

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John W. Hickenlooper
Governor

Mike King
Executive Director

Loretta E. Piñeda
Director

October 8, 2013

Mr.. Joe Kozimor
Consolidated Constructors, Inc.
P.O. Box 629
Farmington, NM 87499

Re: Amzak Pit, Permit No. M-2003-003, Financial Warranty Increase, Revision No. SI-1

Dear Mr.. Kozimor:

On October 8, 2013 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$133,165.10, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$14,378.10.

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, within 60 days from the date of this letter. If you wish to submit a different type of Financial Warranty, please contact me such that I may send you the applicable form.

If you have any questions, please contact me.

Sincerely,

Kate A. Pickford
Environmental Protection Specialist

COST SUMMARY WORK

Task description: 2013 Inspection

Site: Amzak Pit

Permit Action: 2013 Inspection

Permit/Job#: M2003003

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 10/8/2013

County: La Plata

Filename: M003-000

User: KAP

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Reduce vertical highwalls to 3:1	DOZER	1	156.86	\$40,450.10
002	Haul overburden to be spread on disturbance	SCRAPER1	1	76.87	\$18,221.49
003	Spread overburden 8 inches deep over surface	DOZER	1	20.32	\$5,239.15
004	Haul topsoil to spread on disturbance	SCRAPER1	1	45.94	\$10,890.19
005	Spread Topsoil 4 inches deep over surface	DOZER	1	9.78	\$2,521.17
006	Remove sediment control berms from bench	LOADER	1	1.94	\$164.00
007	REmove concrete scale ramps, dispose of debris	DEMOLISH	1	0.00	\$248.64
008	Rip to remove compaction on road, scale and processing areas	RIPPER	1	6.95	\$1,849.00
009	Revegetation	REVEGE	1	25.00	\$27,892.96
010	Mobilize/Demobilize	MOBILIZE	1	5.70	\$3,369.42
<u>SUBTOTALS:</u>				349.36	\$110,846.12

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 0.00%

Total = \$0.00

Performance bond: 0.00%

Total = \$0.00

Job superintendent: 113.27 hrs

Total = \$7,408.99

Profit: 10.00%

Total = \$11,084.61

TOTAL O & P = \$18,493.60

CONTRACT AMOUNT (direct + O & P) = \$129,339.72

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 500.00

Total = 500.00

Engineering work and/or contract/bid preparation: 0.00%

Total = \$0.00

Reclamation management and/or administration: 0.00%

\$0.00

CONTINGENCY: 3.00

Total = \$3,325.38

TOTAL INDIRECT COST = \$22,318.98

TOTAL BOND AMOUNT (direct + indirect) = \$133,165.10

BULLDOZER WORKTask description: Reduce vertical highwalls to 3:1Site: Amzak PitPermit Action: 2013 InspectionPermit/Job#: M2003003PROJECT IDENTIFICATIONTask #: 001State: ColoradoAbbreviation: NoneDate: 9/27/2013County: La PlataFilename: M003-001User: KAPAgency or organization name: DRMSHOURLY EQUIPMENT COSTBasic Machine: Cat D9T - 9SUHorsepower: 405Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$78.33	NA
Operating Cost/Hour:	\$142.13	100
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$37.41	NA

Total unit Cost/Hour: \$257.87Total Fleet Cost/Hour: \$257.87MATERIAL QUANTITIESInitial Volume: 53,333Swell factor: 1.430Loose volume: 76,266 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookHOURLY PRODUCTIONAverage push distance: 130 feetUnadjusted hourly production: 1,026.6 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: -25 %Average site altitude: 7,100 feetMaterial weight: 3,300 lbs/LCYWeight description: Decomposed rock - 75% Rock, 25% EarthJob 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	(SSD-AC)
Push gradient:	1.516	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.697	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4736

Adjusted unit production: 486.20 LCY/hr

Adjusted fleet production: 486.2 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.530/LCY

Total job time: 156.86 Hours

Total job cost: \$40,450.10

SCRAPER TEAM WORKTask description: Haul overburden to be spread on disturbanceSite: Amzak PitPermit Action: 2013 InpsectionPermit/Job#: M2003003PROJECT IDENTIFICATIONTask #: 002State: ColoradoAbbreviation: NoneDate: 10/8/2013County: La PlataFilename: M003-002User: KAPAgency or organization name: DRMSHOURLY EQUIPMENTCOSTShift basis: 1 per day

Equipment Description	
-Scraper:	Cat 623G
-Dozer:	NA
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:

	Scraper Work Team		Support Equipment		Maintenance Equipment	
	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	NA	NA	NA	NA	NA
Ownership cost/hour:	\$72.49	NA	NA	NA	NA	NA
Operating cost/hour:	\$134.54	NA	NA	NA	NA	NA
Ripper op. cost/hour:	NA	NA	NA	NA	NA	NA
Operator cost/hour:	\$30.02	NA	NA	NA	NA	NA
Unit Subtotals:	\$237.05	NA	NA	NA	NA	NA
Number of Units:	1	0	0	0	0	0
Group Subtotals:	Work:	\$237.05	Support:	\$0.00	Maint:	\$0.00

Total work team cost/hour: \$237.05MATERIAL QUANTITIESInitial volume: 20,436

CCY

Swell factor: 1.000Loose volume: 20,436

LCY

Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookHOURLY PRODUCTIONScraper Bowl (volume) Basis:

Material weight: 2,650 lbs/LCY
 Material description: Decomposed rock - 25% Rock, 75% Earth
 Rated Payload: 55,200 pounds
 Payload Capacity: 20.83 LCY

Struck Volume: 18.00 LCY
 Heaped Volume: 23.00 LCY
 Average Volume: 20.50 LCY
 Adjusted Capacity: 20.50 LCY

Cycle Time:Scraper Loading Time: 0.90 MinutesManeuver and Spread Time: 0.70 MinutesJob Condition Correction:

Site Altitude: 7100 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	NA	(CAT HB)
Job Efficiency:	0.830	NA	(CAT HB)
Net Correction:	0.830	NA	

Travel Time:Road Condition: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	800.00	10.00	5.00	15.00	427	1.88

Haul Time: 1.88 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	800.00	-10.00	5.00	-5.00	2774	0.36

Return Time: 0.36 minutesTotal Scraper team cycle time: 3.84 minutesAdjusted for job conditions: 265.86 LCY/HourSelected Number of Scrapers: 1 Scraper(s)Adjusted single scraper team (unit) hourly production: 265.86 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 265.86 LCY/HourUnadjusted unit production/hour: 320.31 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 1 Team(s)Total job time: 76.87 HoursUnit cost: \$0.892 /LCYTotal job cost: \$18,221.49

BULLDOZER WORKTask description: Spread overburden 8 inches deep over surfaceSite: Amzak PitPermit Action: 2013 InspectionPermit/Job#: M2003003PROJECT IDENTIFICATIONTask #: 003State: ColoradoAbbreviation: NoneDate: 9/27/2013County: La PlataFilename: M003-003User: KAPAgency or organization name: DRMSHOURLY EQUIPMENT COSTBasic Machine: Cat D9T - 9SUHorsepower: 405Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$78.33	NA
Operating Cost/Hour:	\$142.13	100
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$37.41	NA

Total unit Cost/Hour: \$257.87Total Fleet Cost/Hour: \$257.87MATERIAL QUANTITIESInitial Volume: 20,436Swell factor: 1.000Loose volume: 20,436 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookHOURLY PRODUCTIONAverage push distance: 50 feetUnadjusted hourly production: 2,110.5 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: -10 %Average site altitude: 7,100 feetMaterial weight: 2,650 lbs/LCYWeight description: Decomposed rock - 25% Rock, 75% EarthJob 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	(SSD-AC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4766

Adjusted unit production: 1,005.86 LCY/hr

Adjusted fleet production: **1005.86** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.256/LCY

Total job time: **20.32** Hours

Total job cost: **\$5,239.15**

SCRAPER TEAM WORKTask description: Haul topsoil to spread on disturbanceSite: Amzak PitPermit Action: 2013 InpsectionPermit/Job#: M2003003PROJECT IDENTIFICATIONTask #: 004State: ColoradoAbbreviation: NoneDate: 10/8/2013County: La PlataFilename: M003-004User: KAPAgency or organization name: DRMSHOURLY EQUIPMENTCOSTShift basis: 1 per day

	Equipment Description
-Scraper:	Cat 623G
-Dozer:	NA
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:

Scraper Work Team

Support Equipment

Maintenance Equipment

	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	NA	NA	NA	NA	NA
Ownership cost/hour:	\$72.49	NA	NA	NA	NA	NA
Operating cost/hour:	\$134.54	NA	NA	NA	NA	NA
Ripper op. cost/hour:	NA	NA	NA	NA	NA	NA
Operator cost/hour:	\$30.02	NA	NA	NA	NA	NA
Unit Subtotals:	\$237.05	NA	NA	NA	NA	NA
Number of Units:	1	0	0	0	0	0
Group Subtotals:	Work: \$237.05		Support: \$0.00		Maint: \$0.00	

Total work team cost/hour: \$237.05MATERIAL QUANTITIESInitial volume: 10,218

CCY

Swell factor: 1.000Loose volume: 10,218

LCY

Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookHOURLY PRODUCTIONScraper Bowl (volume) Basis:

Material weight: 2,650 lbs/LCY
 Material description: Decomposed rock - 25% Rock, 75% Earth
 Rated Payload: 55,200 pounds
 Payload Capacity: 20.83 LCY

Struck Volume: 18.00 LCY
 Heaped Volume: 23.00 LCY
 Average Volume: 20.50 LCY
 Adjusted Capacity: 20.50 LCY

Cycle Time:Scraper Loading Time: 0.90 MinutesManeuver and Spread Time: 0.70 MinutesJob Condition Correction:

Site Altitude: 7100 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	NA	(CAT HB)
Job Efficiency:	0.830	NA	(CAT HB)
Net Correction:	0.830	NA	

Travel Time:Road Condition: Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	800.00	10.00	8.00	18.00	304	2.63

Haul Time: 2.63 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	800.00	-10.00	8.00	-2.00	2774	0.36

Return Time: 0.36 minutesTotal Scraper team cycle time: 4.59 minutesAdjusted for job conditions: 222.42 LCY/HourSelected Number of Scrapers: 1 Scraper(s)Adjusted single scraper team (unit) hourly production: 222.42 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 222.42 LCY/HourUnadjusted unit production/hour: 267.97 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 1 Team(s)Total job time: 45.94 HoursUnit cost: \$1.066 /LCYTotal job cost: \$10,890.19

BULLDOZER WORKTask description: Spread Topsoil 4 inches deep over surfaceSite: Amzak PitPermit Action: 2013 InspectionPermit/Job#: M2003003PROJECT IDENTIFICATIONTask #: 005State: ColoradoAbbreviation: NoneDate: 9/27/2013County: La PlataFilename: M003-005User: KAPAgency or organization name: DRMSHOURLY EQUIPMENT COSTBasic Machine: Cat D9T - 9SUHorsepower: 405Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$78.33	NA
Operating Cost/Hour:	\$142.13	100
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$37.41	NA

Total unit Cost/Hour: \$257.87Total Fleet Cost/Hour: \$257.87MATERIAL QUANTITIESInitial Volume: 10,218Swell factor: 1.000Loose volume: 10,218 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookHOURLY PRODUCTIONAverage push distance: 50 feetUnadjusted hourly production: 2,110.5 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: -10 %Average site altitude: 7,100 feetMaterial weight: 2,550 lbs/LCYWeight description: Earth - Dry packedJob Condition Correction Factor

		<u>Source</u>
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	(SSD-AC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4952

Adjusted unit production: 1,045.12 LCY/hr

Adjusted fleet production: 1045.12 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.247/LCY

Total job time: 9.78 Hours

Total job cost: \$2,521.17

WHEEL LOADER – LOAD AND CARRY WORKTask description: Remove sediment control berms from benchSite: Amzak PitPermit Action: 2013 InspectionPermit/Job#: M2003003PROJECT IDENTIFICATIONTask #: 006State: ColoradoAbbreviation: NoneDate: 10/8/2013County: La PlataFilename: M003-006User: KAPAgency or organization name: DRMSHOURLY EQUIPMENT COSTBasic Machine: CAT 928HZHorsepower: 149Attachment 1: ROPS CabShift Basis: 1 per dayData Source: (CRG)Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$16.07	NA
Operating Cost/Hour:	\$32.67	100
Operator Cost/Hour:	\$35.82	NA
Total Unit Cost/Hour:	\$84.55	
Total Fleet Cost/Hour:	\$84.55	

MATERIAL QUANTITIESInitial volume: 500

CCY

Swell factor: 1.125Loose volume: 563

LCY

Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookHOURLY PRODUCTIONLoader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.475 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 3/4" to 6" diameter 0.00	0.000	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Truck Ownership:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Operation:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Dump Target:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		0.000	minutes
Adjusted Basic Cycle Time:		0.475	minutes

Rolling Resistance – Road ConditionsHaul: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0Return: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	20	0.00	5.00	5.00	0.0141	(Cat HB)
Return Route:	20	0.00	5.00	5.00	0.0141	(Cat HB)

Total Travel Time: 0.0282 minutes
Total Cycle Time: 0.5032 minutes

Load Bucket Capacity

Rated Capacity: 3.00 LCY (heaped)
Bucket Fill Factor: 0.975 Loose material - mixed moist aggregates (95-100%) 0.975
Adjusted Capacity: 2.93 LCY

Job Condition Correction Factors

Site Altitude: 7100 feet

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

Unadjusted Hourly Unit Production: 348.76 LCY/Hour
Adjusted Hourly Unit Production: 289.47 LCY/Hour
Adjusted Hourly Fleet Production: 289.47 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Loader(s) Total job time: 1.94 Hours
Unit cost: \$0.292 /LCY Total job cost: \$164.00

DEMOLITION WORK

Task description: REmove concrete scale ramps, dispose of debris

Site: Amzak Pit

Permit Action: 2013 Inspection

Permit/Job#: M2003003

PROJECT IDENTIFICATION

Task #: 007

State: Colorado

Abbreviation: None

Date: 10/8/2013

County: La Plata

Filename: M003-007

User: KAP

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
concrete rubble, onsite disposal	100 cy	Push demolished materials/rubble/debris into pit - Max. 200 ft. push	100.00	CY	\$0.70	\$70.20
excavate onsite disposal pit	120 cy	Excavate disposal pit with dozer (includes completed pit backfilling/grading)	120.00	CY	\$1.56	\$187.20
Misc. debris, onsite disp.	20 cy	Push demolished materials/rubble/debris into pit - Max. 200 ft. push	20.00	CY	\$0.70	\$14.04

Job Hours: 0.00

Subtotal
(unadjusted): \$271.44

Total Cost
(adjusted for location): \$248.64

BULLDOZER RIPPING WORK

Task description: Rip to remove compaction on road, scale and processing areas

Site: Amzak Pit Permit Action: 2013 Inspection Permit/Job#: M2003003

PROJECT IDENTIFICATION

Task #: 008 State: Colorado Abbreviation: None
Date: 10/8/2013 County: La Plata Filename: M003-008
User: KAP

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D9T - 9SU Horsepower: 405
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$78.33</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$142.13</u>	<u>100</u>
Ripper Operating Cost/Hour:	<u>\$7.96</u>	<u>100</u>
Operator Cost/Hour:	<u>\$37.41</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$265.84</u>	
Total Fleet Cost/Hour:	<u>\$265.84</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 5.00 acres Rip Depth (ft): 1.50 Volume: 12,100 BCY or CCY

Source of estimated quantity: Map

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth:	<u>2.63</u>	<u>mph</u>
Average Ripping Width:	<u>7.67</u>	<u>degrees</u>
Average Ripping Length:	<u>300.00</u>	<u>feet</u>
Average Dozer Speed:	<u>88.00</u>	<u>feet</u>
Average Maneuver Time:	<u>0.25</u>	<u>feet</u>
Production per unit area:	<u>0.866</u>	<u>acres/hour</u>

Job Condition Correction Factors

Unadjusted Hourly Unit Production:	<u>0.866</u>	<u>Acres/hr</u>
Site Altitude:	<u>7,100</u>	<u>feet</u>
Altitude Adj:	<u>1.00</u>	<u>(CAT HB)</u>
Job Efficiency:	<u>0.83</u>	<u>(1 shift/day)</u>
Net Correction:	<u>0.83</u>	<u>multiplier</u>

Adjusted Hourly Unit Production: 0.72 Acres/hr
Adjusted Hourly Fleet Production: 0.72 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 6.95 Hours

Unit cost: \$369.773 Per acre Total job cost: \$1,849.00

REVEGETATION WORKTask description: RevegetationSite: Amzak PitPermit Action: 2013 InspectionPermit/Job#: M2003003PROJECT IDENTIFICATIONTask #: 009State: ColoradoAbbreviation: NoneDate: 10/8/2013County: La PlataFilename: M003-009User: KAPAgency or organization name: DRMSFERTILIZING**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
Total Tilling Cost/Acre	\$98.01

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	2.50	8.09	\$21.78
Blue Grama - Native	0.60	9.79	\$6.21
Muttongrass	0.20	4.13	\$7.36
Western Wheatgrass - Arriba	3.20	8.08	\$11.78
Needle and Thread	3.00	7.92	\$140.97
Totals Seed Mix	9.50	38.02	\$188.09

Application

Description	Cost /Acre
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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
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$265.00	\$530.00
Total Mulch Materials Cost/Acre				\$530.00

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$65.89
Total Mulch Application Cost/Acre	\$65.89

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: 23 Cost /Acre: \$970.19
 Estimated Failure Rate: 25% Cost /Acre*: \$970.19
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$22,314.37
 Reseeding Job Cost: \$5,578.59
 Total Job Cost: \$27,892.96
 Job Hours: 25.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Mobilize/DemobilizeSite: Amzak PitPermit Action: 2013 InspectionPermit/Job#: M2003003**PROJECT IDENTIFICATION**Task #: 010State: ColoradoAbbreviation: NoneDate: 10/8/2013County: La PlataFilename: M003-010User: KAPAgency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck 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 D9T - 9SU	60.01	\$69.88	\$125.45	1	\$195.33	\$125.45	\$0.00
Cat 623G	41.35	\$72.49	\$117.55	1	\$190.04	\$117.55	\$0.00
CAT 928HZ	13.91	\$16.07	\$88.67	1	\$104.74	\$88.67	\$0.00
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$0.00

Subtotals: **\$618.37** **\$420.34** **\$0.00****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.	\$15.34	1	\$15.34	\$15.34

Subtotals: **\$15.34** **\$15.34**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>DURANGO, CO</u>	
Total one-way travel distance:	<u>17.00</u>	miles
Average Travel Speed:	<u>40.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$3,356.38</u>
* two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$13.04</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.43	0.43
Return Time (Hours):	0.43	0.43
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	2.85	0.85

JOB TIME AND COST

Total job time:	<u>5.70</u>	Hours
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Total job cost:	<u>\$3,369.42</u>
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