



**COLORADO**  
**Division of Reclamation,  
Mining and Safety**  
Department of Natural Resources

October 18, 2023

Keith Holsinger  
Keith Holsinger  
P.O. Box 37  
Walden, CO 80480

**Re: Holsinger Gravel Pit - File No. M-1980-052**  
**Keith Holsinger**  
**Surety Increase (SI-4)**  
**Revised Surety Increase to \$22,540**

Dear Keith Holsinger:

On October 18, 2023 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$22,540.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$2,540.00.

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 (October 18, 2023).

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 after December 17, 2023, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$20,000.00
Prior Liability:	\$20,000.00
Change in Liability:	\$2,540.00
Revised Liability:	\$22,540.00
Prior Permit Acreage:	9.90
Change in Permit Acreage:	0.00



Revised Permit Acreage:	9.90
Prior Affected Acreage:	9.90
Change in Affected Acreage:	0.00
Revised Affected Acreage:	9.90

If you have any questions, please contact me by telephone at (303) 866-3567 x 8176, or by email at [Hunter.ridley@state.co.us](mailto:Hunter.ridley@state.co.us).

Sincerely,



Hunter C. Ridley  
Environmental Protection Specialist

## COST SUMMARY WORK

Task description: Created post inspection 2023

Site: Holsinger Gravel Pit

Permit Action: 2023 Insp

Permit/Job#: M1980052

### PROJECT IDENTIFICATION

Task #: HCR

State: Colorado

Abbreviation: None

Date: 10/17/2023

County: Jackson

Filename: M052-HCR

8:23:24 AM

User: HR1

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Backfill 2:1 slopes to 3:1	TRUCK1	1	16.91	\$4,353
002	Replace topsoil @ 12 in	TRUCK1	1	33.95	\$8,739
003	Seeding current disturbance	REVEGE	1	5.00	\$1,676
004	Mob/Demob	MOBILIZE	1	9.33	\$2,161
<b><u>SUBTOTALS:</u></b>				<b>65.19</b>	<b>\$16,929</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$342

Performance bond: 1.05

Total = \$178

Job superintendent: 35.72

Total = \$2,325

Profit: 10.00

Total = \$1,693

TOTAL O & P = \$4,537

CONTRACT AMOUNT (direct + O & P) = \$21,466

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0

Total = \$0

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 5.00

\$1,073

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$5,611

**TOTAL BOND AMOUNT (direct + indirect) = \$22,540**

**TRUCK/LOADER TEAM WORK**Task description: **Backfill 2:1 slopes to 3:1**Site: **Holsinger Gravel Pit**Permit Action: **2023 Insp**Permit/Job#: **M1980052****PROJECT IDENTIFICATION**Task #: **001**State: **Colorado**Abbreviation: **None**Date: **10/17/2023**County: **Jackson**Filename: **001**User: **HR1**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Shift basis: **1 per day**

		Equipment Description
Truck Loader Team -Truck:		Generic 15-18 cy, 6x4
-Loader:		CAT 938H
Support Equipment -Load Area:		NA
-Dump Area:		NA
Road Maintenance -Motor Grader:		NA
-Water Truck:		NA

**Cost Breakdown:****Truck/Loader Team****Support Equipment****Maintenance Equipment**

	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
% Utilization-machine:	100	100	NA	NA	NA	NA
Ownership cost/hour:	\$32.13	\$43.90	NA	NA	NA	NA
Operating cost/hour:	\$73.27	\$34.86	NA	NA	NA	NA
% Utilization-ripper:	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
Unit Subtotals:	\$137.94	\$119.47	NA	NA	NA	NA
Number of Units:	1	1	0	0	0	0
Group Subtotals:	Work: \$257.41		Support: \$0.00		Maint: \$0.00	

Total work team cost/hour: **\$257.41****MATERIAL QUANTITIES**Initial volume: **3,700**

CCY

Swell factor: **1.000**Loose volume: **3,700**

LCY

Source of estimated volume: **Division of Reclamation, Mining & Safety**Source of estimated swell factor: **Cat Handbook**Material Purchase Cost: **\$0.00**Total Cost: **\$0.00****HOURLY PRODUCTION****Truck Capacity:****Truck Payload (weight) Basis:**Material weight: **2,550**

Pounds/LCY

Description: **Earth - Dry packed**Rated Payload: **63,980**

Pounds

Payload Capacity: **25.09**

LCY

**Truck Bed (volume) Basis:**

Struck Volume:	15.00	LCY
Heaped Volume:	18.00	LCY
Average Volume:	16.50	LCY
Adjusted Volume:	18.00	LCY

Final Truck Volume Based on Number of Loader Passes: **15.21** LCY

**Loading Tool Capacity**

Bucket Size Class: NA

Rated Capacity:	3.900	LCY (heaped)
Bucket Fill Factor:	0.975	Loose material - uniform aggregates to 1/8" (95-100%) 0.975
Adjusted Capacity:	<b>3.803</b>	LCY

**Job Condition Corrections:**

Site Altitude (ft.): 8000 feet

	<b>Truck</b>	<b>Loader</b>	<b>Source</b>
Altitude Adj:	0.970	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	<b>0.805</b>	<b>0.830</b>	

**Loading Tool Cycle Time:** Number of Loading Tool Passes Required to Fill Truck: 4 passes

**Excavators and Front Shovels:**

Machine Cycle Time vs. Job Condition Rating: NA  
 Selected Value within this Basic Rating: NA

Track Loaders – Material Description: \_\_\_\_\_

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.483 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material up to 1/8" diameter 0.02	0.020	(Cat HB)
Stockpile:	Dumped by truck 0.02	0.020	(Cat HB)
Truck Ownership:	Independently owned trucks 0.04	0.040	(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:		0.040	minutes
Adjusted Loader Cycle Time:		<b>0.523</b>	minutes
Net Load Time per Truck:		<b>1.668</b>	minutes

**Truck Cycle Time:**

Truck Exchange Time:	0.50	Minutes	Adjusted for site altitude:	0.515	Minutes
Truck Load Time:	1.668	Minutes	Adjusted for site altitude:	1.668	Minutes
Truck Maneuver and Dump Time:	0.90	Minutes	Adjusted for site altitude:	0.928	Minutes

Truck Travel (Haul & Return) Time:  
maintained 3.0

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,

## Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	200.00	0.00	3.00	3.00	2800	0.248

Haul Time: **0.248** minutes

## Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	200.00	0.00	3.00	3.00	2949	0.103

Return Time: **0.103** minutesTotal Truck Cycle Time: **3.462** minutes

## Loading Tool unit

Production	<u>418.06</u>	LCY/Hour	Adjusted for job efficiency:	<u>346.99</u>	LCY/Hour
Truck Unit Production	<u>263.62</u>	LCY/Hour	Adjusted for job efficiency:	<u>218.80</u>	LCY/Hour

Optimal No. of Trucks:	<u>2</u>	Truck(s)	Selected Number of Trucks:	<u>1</u>	Truck(s)
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Adjusted hourly truck team production:	<u>218.80</u>	LCY/Hour
Adjusted single truck/loader team production:	<u>218.80</u>	LCY/Hour
Adjusted multiple truck/loader team production:	<b><u>218.80</u></b>	LCY/Hour

**JOB TIME AND COST**

Fleet size:	<u>1</u>	Team(s)	Total job time:	<b><u>16.91</u></b>	Hours
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Unit cost:	<u>\$1.176</u>	/LCY	Total job cost:	<b><u>\$4,353</u></b>
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**TRUCK/LOADER TEAM WORK**Task description: **Replace topsoil @ 12 in**Site: **Holsinger Gravel Pit**Permit Action: 2023 InspPermit/Job#: M1980052**PROJECT IDENTIFICATION**Task #: 002State: ColoradoAbbreviation: NoneDate: 10/17/2023County: JacksonFilename: 002User: HR1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Generic 15-18 cy, 6x4
-Loader:	CAT 938H
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

**Cost Breakdown:****Truck/Loader Team****Support Equipment****Maintenance Equipment**

	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
% Utilization-machine:	100	100	NA	NA	NA	NA
Ownership cost/hour:	\$32.13	\$43.90	NA	NA	NA	NA
Operating cost/hour:	\$73.27	\$34.86	NA	NA	NA	NA
% Utilization-ripper:	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
Unit Subtotals:	\$137.94	\$119.47	NA	NA	NA	NA
Number of Units:	1	1	0	0	0	0
Group Subtotals:	Work: \$257.41		Support: \$0.00		Maint: \$0.00	

Total work team cost/hour: **\$257.41****MATERIAL QUANTITIES**Initial volume: 8,000

CCY

Swell factor: 1.000Loose volume: **8,000**

LCY

Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat HandbookMaterial Purchase Cost: \$0.00Total Cost: \$0.00**HOURLY PRODUCTION****Truck Capacity:****Truck Payload (weight) Basis:**Material weight: 1,600

Pounds/LCY

Description: Top SoilRated Payload: 63,980

Pounds

Payload Capacity: 39.99

LCY

**Truck Bed (volume) Basis:**

Struck Volume:	15.00	LCY
Heaped Volume:	18.00	LCY
Average Volume:	16.50	LCY
Adjusted Volume:	18.00	LCY

Final Truck Volume Based on Number of Loader Passes: **16.38** LCY

**Loading Tool Capacity**

Bucket Size Class: NA

Rated Capacity:	3.900	LCY (heaped)
Bucket Fill Factor:	1.050	Moist loam or sandy clay (100% - 110%) 1.050
Adjusted Capacity:	<b>4.095</b>	LCY

**Job Condition Corrections:**

Site Altitude (ft.): 8000 feet

	<b>Truck</b>	<b>Loader</b>	<b>Source</b>
Altitude Adj:	0.970	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	<b>0.805</b>	<b>0.830</b>	

**Loading Tool Cycle Time:**

Number of Loading Tool Passes Required to Fill Truck: 4 passes

**Excavators and Front Shovels:**

Machine Cycle Time vs. Job Condition Rating: NA  
 Selected Value within this Basic Rating: NA

Track Loaders – Material Description: \_\_\_\_\_

Cycle Time Elements (min.):

Load: NA                      Maneuver: NA                      Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): 0.483 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Mixed material 0.02	0.020	(Cat HB)
Stockpile:	Dumped by truck 0.02	0.020	(Cat HB)
Truck Ownership:	Independently owned trucks 0.04	0.040	(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:		0.040	minutes
Adjusted Loader Cycle Time:		<b>0.523</b>	minutes
Net Load Time per Truck:		<b>1.668</b>	minutes

**Truck Cycle Time:**

Truck Exchange Time:	0.50	Minutes	Adjusted for site altitude:	0.515	Minutes
Truck Load Time:	1.668	Minutes	Adjusted for site altitude:	1.668	Minutes
Truck Maneuver and Dump Time:	0.90	Minutes	Adjusted for site altitude:	0.928	Minutes

Truck Travel (Haul & Return) Time:  
maintained 3.0

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered,



## Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	200.00	0.00	3.00	3.00	2800	0.248

Haul Time: **0.248** minutes

## Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	200.00	0.00	3.00	3.00	2949	0.103

Return Time: **0.103** minutesTotal Truck Cycle Time: **3.462** minutes

## Loading Tool unit

Production 450.21 LCY/Hour      Adjusted for job efficiency: 373.68 LCY/Hour  
 Truck Unit Production 283.90 LCY/Hour      Adjusted for job efficiency: 235.64 LCY/Hour

Optimal No. of Trucks: 2 Truck(s)      Selected Number of Trucks: 1 Truck(s)

Adjusted hourly truck team production: 235.64 LCY/Hour  
 Adjusted single truck/loader team production: 235.64 LCY/Hour  
 Adjusted multiple truck/loader team production: **235.64** LCY/Hour

**JOB TIME AND COST**Fleet size: 1 Team(s)      Total job time: **33.95** HoursUnit cost: \$1.092 /LCY      Total job cost: **\$8,739**

**REVEGETATION WORK**Task description: Seeding current disturbanceSite: Holsinger Gravel PitPermit Action: 2023 InspPermit/Job#: M1980052**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 10/17/2023County: JacksonFilename: M052-0038:25:29 AMUser: HR1Agency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$0.00</b>

**Application**

Description	Cost /Acre
	\$
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

**TILLING**

Description	Cost /Acre
	\$
<b>Total Tilling Cost/Acre</b>	<b>\$0.00</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Russian Wildrye - VNS	8.00	32.14	\$47.36
<b>Totals Seed Mix</b>	<b>8.00</b>	<b>32.14</b>	<b>\$47.36</b>

**Application**

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

<b>Total Seed Application Cost/Acre</b>	<b>\$232.00</b>
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**MULCHING and MISCELLANEOUS****Materials**

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

**Application**

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

**NURSERY STOCK PLANTING**

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

**JOB TIME AND COST**

No. of Acres: 5  
 Estimated Failure Rate: 20%  
 \*Selected Replanting Work Items: SEEDING

Cost /Acre: \$279.36  
 Cost /Acre\*: \$279.36

Initial Job Cost: **\$1,396.80**  
 Reseeding Job Cost: **\$279.36**  
 Total Job Cost: **\$1,676**  
 Job Hours: **5.00**

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mob/Demob**Site: **Holsinger Gravel Pit**Permit Action: 2023 InspPermit/Job#: M1980052**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 10/17/2023County: JacksonFilename: M052-0048:25:56 AMUser: HR1Agency 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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
Ownership Cost/Hour:	\$20.26	\$36.04	\$47.05
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95

**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 938H	16.34	\$43.90	\$82.29	1	\$126.19	\$82.29	\$250.00
Subtotals:					<b>\$126.19</b>	<b>\$82.29</b>	<b>\$250.00</b>

**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.	\$15.83	1	\$15.83	\$15.83
Drill/Broadcast Seeder with Tractor	\$14.81	1	\$14.81	\$14.81
Power Mulcher (Bowie LD-90)	\$57.02	1	\$57.02	\$57.02
Generic 15-18 cy, 6x4	\$137.31	1	\$137.31	\$137.31
Subtotals:			<b>\$224.97</b>	<b>\$224.97</b>

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:

STEAMBOAT  
SPRINGSTotal one-way travel distance: 60.00 milesAverage Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost \*

\$1,560.71

\*\* two round trips with haul rig:

Total Roadable Mob/Demob Cost \*\*

\$599.92

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

**Transportation Cycle Time:**

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.33	1.33
Return Time (Hours):	1.33	1.33
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	4.67	2.67

**JOB TIME AND COST**Total job time: 9.33 HoursTotal job cost: \$2,161