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

June 23, 2025

Reed Seaton
Best Sand and Gravel LLC
8701 Bee Cave Road, East Building, Suite 310
Austin, TX 78746

Re: Best Sand & Gravel Pit 1 (File No. M-2019-018), Surety Increase No. 1 (SI-01), Increase in Surety Due to Update of Reclamation Cost Estimate Related to Inspections and TR-02

Dear Mr. Seaton:

On June 23, 2025 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to $174,493.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of $53,161.00. This Surety Increase is related to an update of the reclamation cost estimate for the site. The update stemmed from inspections in 2024 and 2025 and a technical revision, TR-02. The cost estimate is enclosed. Also on June 23, 2025, 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 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 Ms. Stevenson-Benn by telephone at (303) 866-3567, 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 August 22, 2025.

If you have any questions, please contact me by telephone at (720) 601-2276, or by email at Rob.zuber@state.co.us.

Sincerely,

Robert D. Zuber, P.E.
Environmental Protection Specialist

Enclosure

Copied via email: Kellie Williams, Best Sand and Gravel LLC

COST SUMMARY WORK

Task description: **Cost Summary**

Site: **Best Sand & Gravel Pit 1** Permit Action: June 2025 Permit/Job#: M2019018

PROJECT IDENTIFICATION

Task #: 000 State: Colorado Abbreviation: None
Date: 6/13/2025 County: Delta Filename: M018-000
User: RDZ

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01	Dewater pit to reclaim slopes	PUMPING	1	717.09	$25,478
02a	Backfill and grade banks of rez. - push to 2:1	DOZER	2	46.46	$29,883
02b	Reclaim banks of reservoir to 3:1	LOADER	1	59.23	$8,345
02c	Grade banks of reservoir to 3:1	DOZER	2	18.56	$11,939
03a	Haul topsoil to areas to be seeded	TRUCK1	1	25.47	$20,937
03b	Grade topsoil	DOZER	2	3.59	$2,312
04	Seeding of reservoir banks and other areas	REVEGE	1	10.00	$10,708
05	Demolish and haul foundations for scale and porch	DEMOLISH	1	20.00	$1,572
06	Mobilize/Demob. Equipment	MOBILIZE	1	2.08	$3,690
	SUBTOTALS:			**902.48**	**$114,864**

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	$2,320
Performance bond:	1.05	Total =	$1,206
Job superintendent:	452.01	Total =	$35,831
Profit:	10.00	Total =	$11,486
		TOTAL O & P =	$50,844
		CONTRACT AMOUNT (direct + O & P) =	$165,708

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	$500	Total =	$500
Engineering work and/or contract/bid preparation:	0.00	Total =	$0
Reclamation management and/or administration:	5.00		$8,285
CONTINGENCY:	0.00	Total =	$0
		TOTAL INDIRECT COST =	$59,629
		TOTAL BOND AMOUNT (direct + indirect) =	**$174,493**

PUMPING WORK

Task description: **Dewater pit to reclaim slopes**

Site: **Best Sand & Gravel Pit 1** Permit Action: June 2025 Permit/Job#: M2019018

PROJECT IDENTIFICATION

Task #: 01 State: Colorado Abbreviation: None
Date: 6/13/2025 County: Delta Filename: M018-01
User: RDZ

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

	Description	Quantity
Make and Model:	Submersible pump - 460v, 8 in.	1
Attachment 1:	Suction hose - 4 in. diam., 25 ft.	1
Attachment 2:	Discharge hose - 4 in. D., 25 ft.	1
Labor Unit 1:	Pump operator	1

Horsepower: 95
Shift Basis: 1 per day
Weight: 0.70
(US Tons)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$9.42	NA
Operating Cost/Hour:	$4.04	100
Operator Cost/Hour:	$22.07	NA
Total Unit Cost/Hour:	$35.53	

Total Fleet Cost/Hour: $35.53

PUMPING QUANTITIES

Initial Pond Volume: 380.00
Final Pond Volume: **123,823,220.40** gallons
Total Pond Inflow Surface Area: 87,000 Sq. ft.
Total Pond Inflow Volume per Hour: 7,647.30 gallons

Conversion factor: 325850.5800
Unit inflow rate in gph/sq. ft.: 0.0879

Source of estimated volume: Exhibit L for 380 ac ft. Estimate 2 ac for inflow area.

PUMPING TIME

Maximum Pump Capacity:	170,000	gph/pump
Estimated Suction Head:	20	feet
Estimated Discharge Head:	8	feet
Total Head:	28	feet
CPB Pump Capacity:	165,600	gph/pump
Site Altitude:	4,000	feet

Adjusted Pumping Capacity:	165,600	gph
Initial Unadjusted Pumping Time:	747.72	hours
Inflow during Initial Pumping:	5,718,076	gallons
Net Unadjusted Pumping Time:	782.25	Hours
Altitude Adjustment Factor:	1.0000	(3% rule)
Pump Efficiency Factor:	0.9167	(55 min./hr.)
Total Adjusted Pumping Time:	717.09	hours

JOB TIME AND COST

Total job time: **717.09** Hours

Unit cost: $0.000197 /Gallon Total job cost: **$25,478**

BULLDOZER WORK

Task description: **Backfill and grade banks of rez. - push to 2:1**

Site: **Best Sand & Gravel Pit 1** Permit Action: June 2025 Permit/Job#: M2019018

PROJECT IDENTIFICATION

Task #: 02A State: Colorado Abbreviation: None
Date: 6/13/2025 County: Delta Filename: M018-02a
User: RDZ

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:	$173.32	NA
Operating Cost/Hour:	$109.71	100
Ripper own. Cost/Hour:	$0.00	NA
Ripper op. Cost/Hour:	$0.00	0
Operator Cost/Hour:	$38.59	NA

Total unit Cost/Hour: $321.62
Total Fleet Cost/Hour: **$643.23**

MATERIAL QUANTITIES

Initial Volume: 62,296
Swell factor: 1.000
Loose volume: **62,296** LCY

Source of estimated volume: Exhibit L
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: -10 %
Average site altitude: 4,000 feet

Material weight: 2,900 lbs/LCY

Weight description: Sand and gravel - Dry

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4789

Adjusted unit production: 670.46 LCY/hr
Adjusted fleet production: **1340.92** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: $0.480/LCY

Total job time: **46.46** Hours
Total job cost: **$29,883**

WHEEL LOADER – LOAD AND CARRY WORK

Task description: **Reclaim banks of reservoir to 3:1**

Site: **Best Sand & Gravel Pit 1** Permit Action: June 2025 Permit/Job#: M2019018

PROJECT IDENTIFICATION

Task #: 02B State: Colorado Abbreviation: None
Date: 6/13/2025 County: Delta Filename: M018-02b
User: RDZ

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: CAT 966H high lift Horsepower: 262
Attachment 1: ROPS Cab Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	$57.78	NA
Operating Cost/Hour:	$46.25	100
Operator Cost/Hour:	$36.85	NA
Total Unit Cost/Hour:	$140.88	

Total Fleet Cost/Hour: $140.88

MATERIAL QUANTITIES

Initial volume: 24,889 CCY Swell factor: 1.000
Loose volume: **24,889** LCY

Source of estimated volume: Exhibit L
Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.500 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	No adjustment - factor not applicable 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:	0.500	minutes

Rolling Resistance – Road Conditions

Haul: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0
Return: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0

Haul and Return Time

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	50	0.00	3.00	3.00	0.0401	(Cat HB)
Return Route:	50	0.00	3.00	3.00	0.0377	(Cat HB)

Total Travel Time:	0.0778	minutes
Total Cycle Time:	**0.5778**	minutes

Load Bucket Capacity

Rated Capacity:	5.00	LCY (heaped)
Bucket Fill Factor:	0.975	Sand and gravel (95% - 100%) 0.975
Adjusted Capacity:	**4.88**	LCY

Job Condition Correction Factors
Site Altitude: 4000 feet

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

Unadjusted Hourly Unit Production:	506.25	LCY/Hour
Adjusted Hourly Unit Production:	420.19	LCY/Hour
Adjusted Hourly Fleet Production:	**420.19**	LCY/Hour

JOB TIME AND COST

Fleet size:	1	Loader(s)	Total job time:	**59.23**	Hours
Unit cost:	$0.335	/LCY	Total job cost:	**$8,345**	

BULLDOZER WORK

Task description: **Grade banks of reservoir to 3:1**

Site: **Best Sand & Gravel Pit 1** Permit Action: June 2025 Permit/Job#: M2019018

PROJECT IDENTIFICATION

Task #: 02C State: Colorado Abbreviation: None
Date: 6/13/2025 County: Delta Filename: M018-02c
User: RDZ

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:	$173.32	NA
Operating Cost/Hour:	$109.71	100
Ripper own. Cost/Hour:	$0.00	NA
Ripper op. Cost/Hour:	$0.00	0
Operator Cost/Hour:	$38.59	NA

Total unit Cost/Hour: $321.62
Total Fleet Cost/Hour: **$643.23**

MATERIAL QUANTITIES

Initial Volume: 24,889
Swell factor: 1.000
Loose volume: **24,889** LCY

Source of estimated volume: Exhibit L
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: -10 %
Average site altitude: 4,000 feet

Material weight: 2,900 lbs/LCY

Weight description: Sand and gravel - Dry

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4789

Adjusted unit production: 670.46 LCY/hr
Adjusted fleet production: **1340.92** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: $0.480/LCY

Total job time: **18.56** Hours
Total job cost: **$11,939**

TRUCK/LOADER TEAM WORK

Task description: **Haul topsoil to areas to be seeded**

Site: **Best Sand & Gravel Pit 1** Permit Action: June 2025 Permit/Job#: M2019018

PROJECT IDENTIFICATION

Task #: 03A State: Colorado Abbreviation: None
Date: 6/13/2025 County: Delta Filename: M018-03a
User: RDZ

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Shift basis: 1 per day

	Equipment Description
Truck Loader Team -Truck:	Generic 12-18 cy, 6x4
-Loader:	CAT 966H high lift
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance –Motor Grader:	NA
-Water Truck:	Water Tanker, 3,500 Gal.

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	100
Ownership cost/hour:	$27.14	$57.78	NA	NA	NA	$17.11
Operating cost/hour:	$62.81	$46.25	NA	NA	NA	$36.79
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	$0.00	NA	NA	NA	$0.00
Ripper op. cost/hour:	NA	$0.00	NA	NA	NA	$0.00
Operator cost/hour:	$25.24	$36.85	NA	NA	NA	$0.00
Unit Subtotals:	$115.19	$140.88	NA	NA	NA	$53.90
Number of Units:	3	3	0	0	0	1
Group Subtotals:	Work:	$768.21	Support:	$0.00	Maint:	$53.90

Total work team cost/hour: **$822.11**

MATERIAL QUANTITIES

Initial volume: 8,739 CCY Swell factor: 1.429
Loose volume: **12,485** LCY

Source of estimated volume: DRMS estimate - 5 ac, 13” deep.
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: 1,600 Pounds/LCY
Description: Top Soil
Rated Payload: 50,300 Pounds
Payload Capacity: 31.44 LCY

Truck Bed (volume) Basis:

Struck Volume:	12.00	LCY
Heaped Volume:	18.00	LCY
Average Volume:	15.00	LCY
Adjusted Volume:	18.00	LCY

Final Truck Volume Based on Number of Loader Passes: **15.75** LCY

Loading Tool Capacity

Bucket Size Class: NA

Rated Capacity:	5.000	LCY (heaped)
Bucket Fill Factor:	1.050	Other - moist loam (100-110%) 1.050
Adjusted Capacity:	**5.250**	LCY

Job Condition Corrections: Site Altitude (ft.): 4000 feet

	Truck	Loader	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	**0.830**	**0.830**	

Loading Tool Cycle Time: Number of Loading Tool Passes Required to Fill Truck: 3 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): 0.500 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	No adjustment - factor not applicable 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 Loader Cycle Time:	**0.500**	minutes
	Net Load Time per Truck:	**1.100**	minutes

Truck Cycle Time:

Truck Exchange Time:	0.50	Minutes	Adjusted for site altitude:	0.500	Minutes
Truck Load Time:	1.100	Minutes	Adjusted for site altitude:	1.100	Minutes
Truck Maneuver and Dump Time:	0.90	Minutes	Adjusted for site altitude:	0.900	Minutes

Truck Travel (Haul & Return) Time: Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1000.00	0.00	3.00	3.00	2824	0.515

Haul Time: **0.515** minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	1000.00	0.00	3.00	3.00	2874	0.383

Return Time: **0.383** minutes
Total Truck Cycle Time: **3.398** minutes

Loading Tool unit Production 590.63 LCY/Hour Adjusted for job efficiency: 490.22 LCY/Hour

Truck Unit Production 278.10 LCY/Hour Adjusted for job efficiency: 230.83 LCY/Hour

Optimal No. of Trucks: 2 Truck(s) Selected Number of Trucks: 3 Truck(s)

Adjusted hourly truck team production: 692.48 LCY/Hour
Adjusted single truck/loader team production: 490.22 LCY/Hour
Adjusted multiple truck/loader team production: **490.22** LCY/Hour

JOB TIME AND COST

Fleet size: 1 Team(s) Total job time: **25.47** Hours

Unit cost: $1.677 /LCY Total job cost: **$20,937**

BULLDOZER WORK

Task description: **Grade topsoil**

Site: **Best Sand & Gravel Pit 1** Permit Action: June 2025 Permit/Job#: M2019018

PROJECT IDENTIFICATION

Task #: 03B State: Colorado Abbreviation: None
Date: 6/13/2025 County: Delta Filename: M018-03b
User: RDZ

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:	$173.32	NA
Operating Cost/Hour:	$109.71	100
Ripper own. Cost/Hour:	$0.00	NA
Ripper op. Cost/Hour:	$0.00	0
Operator Cost/Hour:	$38.59	NA

Total unit Cost/Hour: $321.62
Total Fleet Cost/Hour: **$643.23**

MATERIAL QUANTITIES

Initial Volume: 8,739
Swell factor: 1.000
Loose volume: **8,739** LCY

Source of estimated volume: DRMS estimate - 5 ac, 13" deep
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: -10 %
Average site altitude: 4,000 feet

Material weight: 1,600 lbs/LCY

Weight description: Top Soil

Job Condition Correction Factor		Source
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8685

Adjusted unit production: 1,215.90 LCY/hr
Adjusted fleet production: **2431.8** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: $0.265/LCY

Total job time: **3.59** Hours
Total job cost: **$2,312**

REVEGETATION WORK

Task description: **Seeding of reservoir banks and other areas**

Site: **Best Sand & Gravel Pit 1** Permit Action: June 2025 Permit/Job#: M2019018

PROJECT IDENTIFICATION

Task #: 04 State: Colorado Abbreviation: None
Date: 6/13/2025 County: Delta Filename: M018-04
User: RDZ

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
	$
Total Tilling Cost/Acre	**$0.00**

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Crested Wheatgrass - Fairway	1.50	6.89	$8.74
Yellow Sweet Clover - Madrid	1.50	8.95	$6.79
Streambank Wheatgrass - Sodar	3.00	9.78	$24.91
Thickspike Wheatgrass - Critana	3.00	10.61	$24.45
Saltbush, Four Wing	0.25	0.34	$4.97
Sumac, Skunkbrush	0.25	0.12	$11.28
Rabbitbrush, Douglas	0.25	3.73	$10.24
Totals Seed Mix	9.75	40.42	**$91.38**

Application

Description	Cost /Acre
Drill seeding (MEANS 32 92 19.13 0020)	$485.00
Total Seed Application Cost/Acre	**$485.00**

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	$492.78	$985.56
Total Mulch Materials Cost/Acre				**$985.56**

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	$85.37
Total Mulch Application Cost/Acre	**$85.37**

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: SEEDING,MULCHING

Cost /Acre: $1,647.31
Cost /Acre*: $1,647.31

Initial Job Cost: **$8,236.55**
Reseeding Job Cost: **$2,470.97**
Total Job Cost: **$10,708**
Job Hours: **10.00**

DEMOLITION WORK

Task description: **Demolish and haul foundations for scale and porch**

Site: **Best Rock Sand & Gravel Pit** **1** Permit Action: June 2025 Permit/Job#: M2019018

PROJECT IDENTIFICATION

Task #: 05 State: Colorado Abbreviation: None
Date: 6/17/2025 County: Delta Filename: M018-05
User: RDZ

Agency or organization name: DRMS

UNIT COSTS **Location adjustment: 89.80 %**

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Slab under office porch	8' x 40'	Floor, concrete, demolition only, average reinforcing - 12 in. thick	320.00	SF	$2.21	$705.66
Blocks under scale (4)	4'x13'x1.5'	Footing, concrete, average reinforcing - 2.0 ft. x 3 ft.	52.00	LF	$13.23	$688.02
Haul concrete 10 miles	23 CY	Hauling only, per mile, 12-18 CY truck - 30 mph average speed	10.00	MI	$10.14	$101.41
Dump fee for concrete	23 CY	Dump fees - Building construction materials.	23.00	CY	$11.10	$255.30

Job Hours: 20.00 **Subtotal (unadjusted): $1,750.39** **Total Cost (adjusted for location): $1,571.85**

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: **Mobilize/Demob. Equipment**

Site: **Best Sand & Gravel Pit 1** Permit Action: June 2025 Permit/Job#: M2019018

PROJECT IDENTIFICATION

Task #: 06 State: Colorado Abbreviation: None
Date: 6/17/2025 County: Delta Filename: M018-06
User: RDZ

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:	$10.44	$22.18	$23.94
Operating Cost/Hour:	$26.48	$54.55	$55.65
Operator Cost/Hour:	$22.52	$22.52	$22.52
Helper Cost/Hour:	$0.00	$23.53	$23.53
Total Unit Cost/Hour:	$59.44	$122.78	$125.64

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	47.71	$173.32	$122.78	2	$592.20	$245.56	$500.00
Drill/Broadcast Seeder with Tractor	25.00	$41.02	$59.44	1	$100.46	$59.44	$250.00
CAT 966H high lift	25.80	$57.78	$59.44	1	$117.22	$59.44	$250.00
Subtotals:					**$809.88**	**$364.44**	**$1,000.00**

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Generic 12-18 cy, 6x4	$115.19	3	$345.57	$345.57
Water Tanker, 3,500 Gal.	$53.90	1	$53.90	$53.90
Light Duty Pickup, 4x2, 1/2 T.	$13.05	1	$13.05	$13.05
Subtotals:			**$412.52**	**$412.52**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	DELTA	
Total one-way travel distance:	1.00	miles
Average Travel Speed:	45.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	$3,671.95	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	$18.33	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.02	0.02
Return Time (Hours):	0.02	0.02
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.04	0.04

JOB TIME AND COST

Total job time:	**2.09**	Hours
Total job cost:	**$3,690**	