



Himes Consulting LLC

July 23, 2024
Reference No. 22-08

Arizona State Mine Inspector
Amanda Lothner, Reclamation Specialist
1700 W. Washington, Suite 403
Phoenix, AZ 85007-2805

Re: Reclamation Plan for Tri County Materials, Inc. Dos Condados Material Source

Dear Ms. Lothner:

Enclosed please find two copies of the revised cost estimate for the Reclamation and Closure Plan for Tri County Materials, Inc. Dos Condados Material Source in response to your April 23 Technical Comments.

Please feel free to contact me in regards to any questions.

Sincerely,

A handwritten signature in cursive script that reads "Jill A. Himes".

HIMES CONSULTING, LLC
Jill A. Himes

Cc: Peter Vlassis, Tri County Materials, Inc.

Reclamation Cost Estimate

Reclamation Cost Estimate Methodology

Unit costs developed for this Reclamation & Closure Plan are based on ADOT-approved estimating sources. Equipment unit costs are based on Equipment Watch Rental Rate Blue Book, Davis Bacon published labor rates, along with estimated productivity for material movement based primarily on the Caterpillar Handbook (2022). ADOT uses this format and cost estimate on ADOT contracts.

Material volumes and surface areas have been calculated using the topographic base maps provided and plan projection of outlined areas. The final pit slopes are all 3:1 or flatter. Final reclamation will consist of scarifying all compacted traffic areas other than the access roads which will remain. No fuel will be stored onsite due to shallow groundwater table and proximity to the irrigation canal to the North.

Administrative costs were based on industry-standardized contingency, professional fees to annually inspect and report, as well as indirect costs, contractor profit, and contract administration costs.

Reclamation Cost Estimate Summary

Estimated costs developed for this Reclamation Plan are summarized below. Detailed breakdown for each reclamation activity follows.

Reclamation Activity	Units	Cost per Unit	Costs (\$)
Direct Costs			
Scarification	51 acres	82.42	4,203.21
Miscellaneous Levelling	2,500 CY	1.74	4,357.12
Trash Disposal	1	599.04	599.04
Subtotal			9,159.37
Administrative Costs			
Administrative Contingency		10%	915.94
Inspect & Report	1 year	3,000	3,000.00
Indirect Costs		2%	183.18
Contractor Profit		10%	915.94
Contract Administration		10%	915.94
Subtotal			5,931.00
Total			15,090.37

Task 1 - Equipment Watch - Rate for D5 Dozer

DATE: 7/22/2024

TASK: Ripping/scarifying compacted surfaces - 51 acres at 4 acres per hour

UNITS: acres

QUANT	51	acres	2 days (13 hours)	TOTAL
D5 dozer 160-189 hp			\$1,035/day	\$2,070
Ripper			\$39/day	\$78
Estimated operating costs			\$61.26/hr.	\$796.38
Total O & O cost				\$2,944.38
Transport To & From jobsite				
Total		Safford local	\$500 ea. way	\$1,000

Labor from Davis Bacon rates - recent ADOT job

13	hrs.	Base rate	\$17.26 per hour	\$224.38
13	hrs.	Fringes	\$2.65 per hour	\$34.45
0	hrs.	No O/T expected		
Labor Total				\$258.83

Duration				2 days
Task Total				\$4,203.21

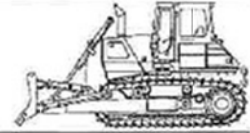
Price per acre for total	51	acres		\$82.42
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Rental Rate Blue Book®

June 13, 2024

Caterpillar D5
Standard Crawler Dozers

Size Class:
160 - 189 hp
Weight:
N/A



Configuration for D5

Dozer Type	VPAT	Horsepower	170.0 hp
Operator Protection	IROPS	Power Mode	Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$14,795.00	USD \$4,145.00	USD \$1,035.00	USD \$155.00	USD \$61.26	USD \$145.32
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$14,795.00	USD \$4,145.00	USD \$1,035.00	USD \$155.00	USD \$61.26	USD \$145.32

Non-Active Use Rates

	Hourly
Standby Rate	USD \$44.55
Idling Rate	USD \$108.29

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	30%	USD \$4,438.50/mo
Overhaul (ownership)	47%	USD \$6,953.65/mo
CFC (ownership)	13%	USD \$1,923.35/mo
Indirect (ownership)	10%	USD \$1,479.50/mo
Fuel (operating) @ USD 4.03	39.55%	USD \$24.23/hr

Revised Date: 2nd quarter 2024

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.

Rental Rate Blue Book®
Miscellaneous MSR-84H
 Crawler Tractor Multi-Shank Rippers

 Size Class:
To 260 hp
 Weight:
1044 lbs

Configuration for MSR-84H

Horsepower	84.0 hp	Number Of Shanks	3.0
Ripper Type	Radial	Power Mode	Hydraulic

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$560.00	USD \$155.00	USD \$39.00	USD \$6.00	USD \$2.42	USD \$5.60
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$560.00	USD \$155.00	USD \$39.00	USD \$6.00	USD \$2.42	USD \$5.60

Non-Active Use Rates

	Hourly
Standby Rate	USD \$2.32
Idling Rate	USD \$3.18

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	51%	USD \$285.60/mo
Overhaul (ownership)	27%	USD \$151.20/mo
CFC (ownership)	10%	USD \$56.00/mo
Indirect (ownership)	12%	USD \$67.20/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2024

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Task 2 - Equipment Watch – Loader & Dump truck

DATE: 7/22/2024

TASK: Miscellaneous Levelling – Loader with 1 dump truck

UNITS: cubic yards

QUANT	2500 CY	2 days	TOTAL
Loader		\$71/hour	\$1,136
Estimated operating costs		\$42.51/hr.	\$680.16
Dump truck		\$20/hour	\$320
Estimated operating costs		\$27.64/hour	\$442.24
Total O & O cost			\$2,578.40

Transport Loader To & From jobsite

Total	Safford local	\$500 ea. way	\$1,000
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Labor from Davis Bacon rates - recent ADOT job

16	hrs.	Base rate	\$20.91 per hour	\$ 334.56
16	hrs.	Fringes	\$7.35 per hour	\$ 117.60
16	hrs.	Base rate	\$16.17 per hour	\$ 258.72
16	hrs.	Fringes	\$4.24 per hour	\$ 67.84
0	hrs.	No O/T expected		
Labor Total				\$778.72

Duration 2 days

Task Total **\$ 4,357.12**

Price per cubic yard for total 2,500 CY \$1.74

Rental Rate Blue Book®
Caterpillar 966F (disc. 2003)
 4-Wd Articulated Wheel Loaders

 Size Class:
 200 - 224 hp
 Weight:
 43925 lbs

Configuration for 966F (disc. 2003)

Horsepower	220.0 hp	Operator Protection	EROPS
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly USD \$42.51	FHWA Rate** Hourly USD \$80.52
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$6,690.00	USD \$1,875.00	USD \$470.00	USD \$71.00		
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2003: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$6,690.00	USD \$1,875.00	USD \$470.00	USD \$71.00	USD \$42.51	USD \$80.52

Non-Active Use Rates

	Hourly
Standby Rate	USD \$26.23
Idling Rate	USD \$52.61

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	40%	USD \$2,676.00/mo
Overhaul (ownership)	31%	USD \$2,073.90/mo
CFC (ownership)	18%	USD \$1,204.20/mo
Indirect (ownership)	11%	USD \$735.90/mo
Fuel (operating) @ USD 3.66	34.34%	USD \$14.60/hr

Revised Date: 3rd quarter 2024

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Rental Rate Blue Book®
Miscellaneous 4X2 4YD DSL
 On-Highway Rear Dumps

 Size Class:
19,501 - 26,000 lbs
 Weight:
7585 lbs

Configuration for 4X2 4YD DSL

Axle Configuration	4X2	Horsepower	200.0
Maximum Gross Vehicle Weight	20000.0 lbs	Power Mode	Diesel
Struck Capacity	2.0 - 4.0 cu yd		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$1,920.00	USD \$540.00	USD \$135.00	USD \$20.00	USD \$27.64	USD \$38.55
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$1,920.00	USD \$540.00	USD \$135.00	USD \$20.00	USD \$27.64	USD \$38.55

Non-Active Use Rates

Standby Rate	Hourly USD \$7.85
Idling Rate	Hourly USD \$31.39

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	50%	USD \$960.00/mo
Overhaul (ownership)	28%	USD \$537.60/mo
CFC (ownership)	11%	USD \$211.20/mo
Indirect (ownership)	11%	USD \$211.20/mo
Fuel (operating) @ USD 3.66	74.1%	USD \$20.48/hr

Revised Date: 3rd quarter 2024

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Task 3 - Equipment Watch - Rate for pick-up Truck with Trailer

DATE: 7/22/2024

TASK: Miscellaneous Trash Removal – 1 pickup truck with trailer

UNITS: load

QUANT	1 load	0.5 days (4 hours)	TOTAL
Truck		\$14/hour	\$196
Estimated operating costs		\$25.83/hr	\$103.32
Trailer		\$34/hour	\$136
Estimated operating costs		\$7.52/hour	\$30.08
Total O & O cost			\$465.40

Labor from Davis Bacon rates - recent ADOT job

4	hrs.	Base rate	\$17.26 per hour	\$ 69.04
4	hrs.	Fringes	\$2.65 per hour	\$ 10.60
0	hrs.	No O/T expected		

Trash disposal fee (Safford landfill): 1 load **\$54**

Duration 0.5 days
Task Total **\$ 599.04**

Price per acre for total 1 load \$ 599.04

Rental Rate Blue Book®
Chevrolet 1500 4X2 GAS (disc. 1998)
 Light Duty Trucks

 Size Class:
2
 Weight:
N/A

Configuration for 1500 4X2 GAS (disc. 1998)

 Power Mode **Gasoline** Wheelbase **117.5 Inches**
 Gross Vehicle Weight Rating **6100 Pounds**
Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly USD \$25.83	FHWA Rate** Hourly USD \$33.27
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$1,310.00	USD \$365.00	USD \$91.00	USD \$14.00		
Adjustments						
Region (100%)	-	-	-	-		
Model Year (1998: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$1,310.00	USD \$365.00	USD \$91.00	USD \$14.00	USD \$25.83	USD \$33.27

Non-Active Use Rates

	Hourly
Standby Rate	USD \$4.09
Idling Rate	USD \$25.94

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	23%	USD \$301.30/mo
Overhaul (ownership)	45%	USD \$589.50/mo
CFC (ownership)	15%	USD \$196.50/mo
Indirect (ownership)	17%	USD \$222.70/mo
Fuel (operating) @ USD 3.45	71.62%	USD \$18.50/hr

Revised Date: 2nd quarter 2024

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Rental Rate Blue Book®
Miscellaneous 2 AXLE 4 TIRE 20'

Lowboy Trailers

 Size Class:
All
 Weight:
N/A

Configuration for 2 AXLE 4 TIRE 20'

 Power Mode **Manual**
Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$3,200.00	USD \$895.00	USD \$225.00	USD \$34.00	USD \$7.52	USD \$25.70
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$3,200.00	USD \$895.00	USD \$225.00	USD \$34.00	USD \$7.52	USD \$25.70

Non-Active Use Rates

	Hourly
Standby Rate	USD \$13.27
Idling Rate	USD \$18.18

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	47%	USD \$1,504.00/mo
Overhaul (ownership)	27%	USD \$864.00/mo
CFC (ownership)	15%	USD \$480.00/mo
Indirect (ownership)	11%	USD \$352.00/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2024

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LANDFILL USER FEES

EFFECTIVE July 1, 2019

TIRES, BATTERIES & APPLIANCES ARE ACCEPTED IN DESIGNATED AREAS ONLY – SEE ATTENDANT

RATE PER TON = \$42.00 / MINIMUM CHARGE = \$10.00

=====	
UNSECURED LOAD FEE (NO TARP/UNSECURED LOAD FEE).....	\$10.00
DEAD ANIMALS:	
DOGS, CATS, AND OTHER ANIMALS UNDER 70 LBS	FREE
DEAD LIVESTOCK AND OTHER ANIMALS OVER 70 LBS.....	\$25.00
TIRES:	
TIRES (UNREGISTERED TIRE DEALERS AND RESIDENTIAL CUSTOMER WITH OVER FIVE TIRES)	
PASSENGER NOT ON RIM.....	\$ 2.00
COMMERCIAL NOT ON RIM.....	\$ 5.00
PASSENGER ON RIMS (EACH).....	\$ 5.00
COMMERCIAL ON RIMS (EACH).....	\$ 10.00
TRACTOR OR OFF ROAD TIRES (PER TON).....	\$150.00
APPLIANCES:	
WATER HEATER.....	\$10.00
WASHERS AND DRYERS.....	\$10.00
CERTIFIED WITHOUT REFRIGERANT.....	\$10.00
WITH REFRIGERANT.....	\$25.00
TELEVISION.....	\$10.00
UNLOADING ASSISTANCE (MUST BE REQUESTED AT GATE OR OPERATOR CAN RADIO IN)	
10 MINUTES OR LESS.....	\$ 25.00
OVER 10 MINUTES (PER HOUR).....	\$ 60.00
ASBESTOS (MINIMUM FEE + WEIGHT).....	\$ 35.00
MOBILE HOMES / TRAVEL TRAILER.....	MINIMUM FEE (\$100) + WEIGHT <u>or</u> \$380.00 IF UNABLE TO WEIGH
BOATS (MINIMUM FEE + WEIGHT).....	\$ 50.00
LANDFILL CLOSURE FEE:	
BASED ON TOTAL CHARGES ABOVE.....	25.00%

The rate used is for 1 ton of waste with no tires or other special items. $\$42 \times 1.25 = \54