

SEP 09 2024



Himes Consulting LLC

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September 3, 2024  
Reference No. 22-30

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

Re: Reclamation Plan for Desert Construction, Inc. Hackberry Material Source

Dear Ms. Lothner:

Enclosed please find two copies of the revised cost estimate for the Reclamation and Closure Plan for the Hackberry Material Source. Please feel free to contact me in regards to any questions.

Sincerely,

HIMES CONSULTING, LLC  
Jill A. Himes

cc: Tom Fulton, Desert Construction, Inc.

SEP 09 2024

**Reclamation Cost Estimate****Hackberry Materials Source****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 shall be 3:1 or flatter. Final reclamation will consist of scarifying all compacted traffic areas other than the access roads which will remain.

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. Total Area is 84 ac.; Pit area is 82.3 ac., Access Road is 1.7 ac.

<b>Reclamation Activity</b>	<b>Units</b>	<b>Cost per Unit</b>	<b>Costs (\$)</b>	<b>Task</b>
<b>Direct Costs</b>				
Scarify pit area	82.3 acres	72.53	5,969.22	Task 1
Regrading to fill ponds	2,600 CY	1.68	4,368.00	Task 2
Scarify & regrade road	1.7 acres	72.53	831.88	Task 1
Trash Disposal	1 ton	585.59	585.59	Task 3
Subtotal			11,046.11	
<b>Administrative Costs</b>				
Administrative Contingency		10%	1,104.61	
Inspect & Report	1 year	3000	3,000.00	
Indirect Costs		2%	220.92	
Contractor Profit		10%	1,104.61	
Contract Administration		10%	1,104.61	
Subtotal			6,534.75	
<b>Total</b>			17,580.86	

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**Task 1 - Equipment Watch - Rate for D5 Dozer**

TASK: Ripping/scarifying compacted surfaces – 82.3 acres at 4 acres per hour

UNITS: acres

QUANT	82.3	acres	3 days (21 hours)	TOTAL
D5 dozer 160-189 hp			\$1,035/day	\$3,105
Ripper			\$39/day	\$109
Estimated oper. Costs – D5			\$61.26/hr.	\$1,286.46
Estimated oper. Costs – Ripper			\$2.42/hr.	\$50.82
Total Ownership & Operating cost				<b>\$4,551.28</b>
Transport To & From jobsite				
Total: NW Arizona local			\$500 ea. way	<b>\$1,000</b>
Labor from Davis Bacon rates - recent ADOT job				
21	hrs.	Base rate	\$17.26 per hour	\$362.46
21	hrs.	Fringes	\$2.65 per hour	\$55.65
0	hrs.	No O/T expected		
Labor Total				<b>\$418.11</b>
Duration			3 days	
Task Total				<b>\$5,969.39</b>
Price per acre for total	82.3	acres		\$72.53



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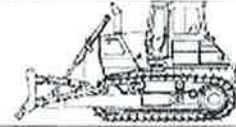
All prices shown in US dollars (\$)

**Rental Rate Blue Book®**

June 13, 2024

**Caterpillar D5**  
Standard Crawler Dozers

Size Class:  
180 - 189 hp  
Weight:  
N/A



**Configuration for D5**

Dozer Type Operator Protection      VPAT IROPS      Horsepower Power Mode      170.0 hp 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 \$14,785.00	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%)						
<b>Total:</b>	<b>USD \$14,785.00</b>	<b>USD \$4,145.00</b>	<b>USD \$1,035.00</b>	<b>USD \$155.00</b>	<b>USD \$61.26</b>	<b>USD \$145.32</b>

**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 \$8,953.85/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.



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All prices shown in US dollars (\$)

**Rental Rate Blue Book®**

June 13, 2024

Miscellaneous MSR-84H  
Crawler Tractor Multi-Shank Rippers

Size Class:  
To 200 hp  
Weight:  
1044 lbs



**Configuration for MSR-84H**

Horsepower: 84.0 hp  
Ripper Type: Radial  
Number Of Shanks: 3.0  
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 USD \$2.42	FHWA Rate** Hourly USD \$5.60
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$560.00	USD \$155.00	USD \$39.00	USD \$6.00		
Adjustments						
Region ( 100%)	*	*	*	*		
Model Year (2024: 100%)	*	*	*	*		
Adjusted Hourly Ownership Cost (100%)	*	*	*	*		
Hourly Operating Cost (100%)					*	
<b>Total:</b>	<b>USD \$560.00</b>	<b>USD \$155.00</b>	<b>USD \$39.00</b>	<b>USD \$6.00</b>	<b>USD \$2.42</b>	<b>USD \$5.60</b>

**Non-Active Use Rates**

	Hourly
Standby Rate	USD \$7.32
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

TASK: Miscellaneous regrading – 224 hp Loader with 1 dump truck

UNITS: cubic yards

QUANT 2600 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		<b>\$2,578.40</b>

Transport Loader To & From jobsite

Total NW Arizona local \$500 ea. way **\$1,000**

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				<b>\$778.72</b>

Duration 2 days

Task Total **\$ 4,357.12**

Price per cubic yard for total 2,600 CY \$1.68

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All prices shown in US dollars (\$)

**Rental Rate Blue Book®**

July 24, 2024

Caterpillar 966F (disc. 2003)  
4-Wd Articulated Wheel LoadersSize Class:  
200 - 224 hp  
Weight:  
43925 lbs**Configuration for 966F (disc. 2003)**Horsepower **220.0 hp** Operator Protection **Operator Protection** EROPS **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%)					USD \$42.51	
<b>Total:</b>	<b>USD \$6,690.00</b>	<b>USD \$1,875.00</b>	<b>USD \$470.00</b>	<b>USD \$71.00</b>	<b>USD \$42.51</b>	<b>USD \$80.52</b>

**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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All prices shown in US dollars (\$)

**Rental Rate Blue Book®**

July 25, 2024

Miscellaneous 4X2 4YD DSL  
On-Highway Rear Dumps

Size Class:  
19,501 - 26,000 lbs  
Weight:  
7595 lbs



**Configuration for 4X2 4YD DSL**

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

**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%)						
<b>Total:</b>	<b>USD \$1,920.00</b>	<b>USD \$540.00</b>	<b>USD \$135.00</b>	<b>USD \$20.00</b>	<b>USD \$27.64</b>	<b>USD \$38.55</b>

**Non-Active Use Rates**

Standby Rate	Hourly	USD \$7.85
Idling Rate	Hourly	USD \$31.38

**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**

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			<b>\$465.40</b>

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		
Labor Total				<b>\$79.64</b>

Trash disposal fee (Kingman landfill): 1 load (~1 ton) **\$40.75**

Duration	0.5 days
Task Total	<b>\$ 585.59</b>

Price total	1 load	<b>\$ 585.59</b>
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All prices shown in US dollars (\$)

**Rental Rate Blue Book®**

June 21, 2024

**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 8100 Pounds

**Blue Book Rates**

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

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

**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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All prices shown in US dollars (\$)

**Rental Rate Blue Book®**

June 21, 2024

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

**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 DISPOSAL RATES

REFUSE	\$40.55 per ton
DEAD ANIMALS	\$44.80 per ton
TIRES (Non-program)	\$44.10 per ton
TIRES (Out-of-state)	\$351.00 per ton
SEPTIC	\$21.40 per ton
MINIMUM CHARGE	\$7.70 per load (300 lbs. or less)

**All Refrigerant MUST be removed by a Certified Technician prior to disposal.**

Without a Certification of proper removal of Refrigerant an additional \$45 Environmental Charge will be added.



The rate used is for 1 ton of waste with no tires or other special items. \$40.55 (see first line)