

JUL 29 2022



Himes Consulting LLC

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July 21, 2022

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

Re: Fann Table Mesa Updated Cost Estimate (Addendum), Maricopa County, AZ.

Dear Ms. Lothner:

Enclosed please find this addendum for the Reclamation and Closure Plan for Fann Contracting's Table Mesa Material Source in Maricopa County, AZ, based on the technical comments dated May 27, 2022. Based on two comments, the cost estimate has been updated to include costs for stockpile removal. Detail as to third-party cost estimates and sources have also been included.

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

Sincerely,



HIMES CONSULTING, LLC

Jill A. Himes  
Biologist

Cc: Michael Fann, Fann Contracting, Inc  
Nate Vaughn, JE Fuller Hydrology & Geomorphology

**Table Mesa Pit Aggregate Mining Site  
Reclamation Cost Estimate**

Table Mesa Pit - T7N, R2E, S12NW Maricopa County, Arizona

Excavation Areas are approximately 46.69 acres of mined area; no benching will be required

There are no concrete pads or infrastructure at the site, no removals will be needed.

**Proposed Reclamation Cost Estimation Summary - WorkSheet**

Reclamation Item	Units	Description	Suggested Cost	Number of Units	Reclamation Cost
<b>Pit Walls</b>					
	Cu. Yd.	Re-Grading and Topsoiling Costs	\$ 0.44	-	\$ -
	Acre	Revegetation Cost (Disc)	\$ 607	-	\$ -
	Acre	Revegetation Cost (Hydro-seed)	\$ 1,175	-	\$ -
	Each	Containerized Trees and Shrubs	\$ 10	-	\$ -
<b>Processing and Stockpile Area</b>					
	Acre	*Re-Grading, Leveling, & Scarifying	\$ 1,000.00	16.0	\$ 16,000
	Cu. Yd.	***Rough Grade Stockpiled Processed Material (Rap)	\$ 1.18	33,350.0	\$ 39,353
	Acre	Revegetation Cost (Disc)	\$ 607	-	\$ -
	Acre	Revegetation Cost (Hydro-seed)	\$ 1,175	-	\$ -
	Each	Containerized Trees and Shrubs	\$ 10	-	\$ -
	Each	**Processing Area Equipment Removal (mobile)	\$ 30,000	1	\$ 30,000
<b>Roads (Access)</b>					
(Roads with Side Slope < 30%)	Linear Ft.	Re-Grading and Topsoiling Costs	\$ 1.70	-	\$ -
(Roads with Side Slope >30%)	Linear Ft.	Re-Grading and Topsoiling Costs	\$ 2.60	-	\$ -
	Acre	Regrading - Ripping	\$ 607	-	\$ -
	Acre	Revegetation Cost (Hydro-seed)	\$ 1,175	-	\$ -
<b>Structures</b>					
(Break-up and bury Slab)	Sq. Ft.	Demolition & Removal - Metal Building	\$ 3.40	-	\$ -
(Break-up and bury Slab)	Sq. Ft.	Demolition & Removal - Masonry Block Building	\$ 3.50	-	\$ -
(Break-up and bury Slab)	Sq. Ft.	Demolition & Removal - Concrete Building	\$ 15.86	-	\$ -
	Linear Mile	Powerline Removal (Single Pole Utility)	\$ 10,000	-	\$ -
	each	Transformer Removal	\$ 5,000	-	\$ -
	Linear Ft.	Demolition - Chain Link Fencing	\$ 3.47	-	\$ -
	Linear Ft.	Demolition - Barb Wire Fencing (3 strand)	\$ 1.94	-	\$ -
	Linear Ft.	Removal - 15" Culvert	\$ 10.29	-	\$ -
	Linear Ft.	Removal - 36" Culvert	\$ 17.15	-	\$ -
(Break-up and remove)	Each	Processing Equipment Removal	750	-	\$ -
<b>Construction</b>					
	Linear Ft.	Construction - Barb Wire Fencing (3 strand)	\$ 5.00	-	\$ -
	Sq. Yard	Install Rip Rap Erosion Lining	\$ 23.75	-	\$ -
<b>Material Haulage for Backfill</b>					
Miscellaneous Leveling	Cu. Yard	Truck and Loader - 2000Ft. One Way	\$ 1.03	-	\$ -
	Cu. Yard	Dozer and Scraper - 1000Ft. One Way	\$ 0.72	-	\$ -
<b>Care and Maintenance</b>					
	Each	Processing Area Cleanup	\$ 2,000.00	1	\$ 2,000
	Annual	Site Monitor and Reporting	\$ 500	3	\$ 1,500

**Estimated Reclamation Operating and Material (O&M) Cost Sub-Total = \$ 88,900**

<b>Administrative Costs</b>					
% of O&M Cost		Contingency	10%		\$ 8,900
% of O&M Cost		General Mobilization / De-Mobilization	4%		\$ 3,600
% of O&M Cost		Indirect costs	2%		\$ 1,800
% of O&M Cost		Contractor Profit	10%		\$ 8,900
% of O&M Cost		Contract Administration	10%		\$ 8,900

**Total Estimated Financial Assurance Amount = \$ 121,000**

**Notes:**

\*Unit costs for "re-grading, leveling, & scarifying" based upon recent ADOT E2C2 bid tab results (attached)

\*\*Unit cost for "Processing Area Equipment Removal (mobile)" provided from Mark Ledlow, Superstition Crushing

\*\*\*Unit cost for "Rough Grade Stockpiled Processed Material (Rap)" derived from RSMears (area specific construction cost pricing software) for mobilization of 2 dozers (2 x \$754.65 = \$1,509.30) and rough grading and distribution of the stockpiled material over the entire 7.8 acre / 340,000 SF stockpile area (34 x \$1,111.49 (price for a 10,000 SF area)) = \$37,790.66. Price per cubic yard equates to ((\$1,509.30 + \$37,790.66) / 33,350 CY) = \$1.18 / CY. (attached)

### Arizona Department of Transportation

Estimated Engineering Construction Cost

Arizona Unit Price Bid History

Bid Date	Item #	Description	Measure	Tracs	Rt/Co/MP	Project Name	Length	Quantity	State	Bidder 1	Bidder 2	Bidder 3
NORTHCENT DISTRICT												
03/19/2021	2010011	CLEARING AND GRUBBING	ACRE	F016701C	179 YV 298.9	I-17 - RED ROCK VISTA	6.0	13.00	2,000.00	2,600.00	1,193.74	5,000.00
NORTHWEST DISTRICT												
09/30/2021	2010011	CLEARING AND GRUBBING	ACRE	F042901C	017 YV 229.0	MCGUIREVILLE REST AREA - ANTHEM WAY	67.0	30.00	2,000.00	3,158.64	.00	.00
12/10/2021	2010001	CLEARING AND GRUBBING	L.SUM	F016101C	040 YV 123.3	E SELIGMAN TI OP, EB/ WB	1.0	1.00	1,500.00	40,000.00	12,000.00	20,000.00

February 28, 2022

Parameter(s) supplied: County YV, Item Description grub, From Bid Date 2/28/2019, To Bid Date 2/28/2022, Thank you!

### Line Item Details

\* Line Number

Unit of Measure

Crew Type

Description

	Bare Costs	Costs with Overhead & Profits
Material Cost	<input type="text"/>	Material Cost O&P <input type="text"/>
Labor Cost	<input type="text" value="232.32"/>	Labor Cost O&P <input type="text" value="377.52"/>
Equipment Cost	<input type="text" value="343.29"/>	Equipment Cost O&P <input type="text" value="377.13"/>
Total Cost	<input type="text" value="575.61"/>	Total Cost O&P <input type="text" value="754.65"/>

Line Item Notes

300 characters max

Save custom line to catalog

### Line Item Details

\* Line Number

Unit of Measure

Crew Type

Description

	Bare Costs	Costs with Overhead & Profits
Material Cost	<input type="text"/>	Material Cost O&P <input type="text"/>
Labor Cost	<input type="text" value="333.27"/>	Labor Cost O&P <input type="text" value="540.96"/>
Equipment Cost	<input type="text" value="517.35"/>	Equipment Cost O&P <input type="text" value="570.53"/>
Total Cost	<input type="text" value="850.62"/>	Total Cost O&P <input type="text" value="1111.49"/>

Line Item Notes

300 characters max

Save custom line to catalog