

RESOLUTION OF THE  
WHITE MOUNTAIN APACHE TRIBE OF THE  
FORT APACHE INDIAN RESERVATION

WHEREAS, there is located on the Fort Apache Indian Reservation sufficient sand and gravel to enable the Tribe to operate a rock crusher and concrete operation, and

WHEREAS, the Bureau of Indian Affairs Agency Credit Office has presented to the Council for approval, a budget for the said operation, and

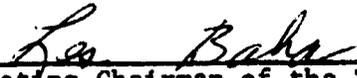
WHEREAS, such an operation would be economically feasible and in addition would employ Apaches to operate said rock crusher and concrete plant.

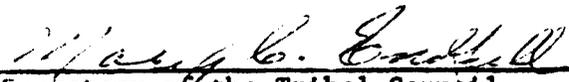
BE IT RESOLVED that the budget entitled "New Operation and Purchase of New Silo and Batch Plant" attached hereto and by reference made a part hereof, is approved.

BE IT FURTHER RESOLVED that the Chairman of the Board of the White Mountain Construction Enterprise, is hereby authorized to expend the necessary funds on deposit under Construction Budget Item W-175 for the purchase of the new silo and batch plant and to defray the expenses of the operation of said plant.

BE IT FURTHER RESOLVED that the Tribal Construction Enterprise budget is hereby modified to provide for the above expenditures.

The foregoing resolution was on February 11, 1965 duly adopted by a vote of 10 for and 0 against by the Tribal Council of the White Mountain Apache Tribe, pursuant to authority vested in it by Article V, Section 1 (1) of the Amended Constitution and By-Laws of the Tribe, ratified by the Tribe June 27, 1958 and approved by the Secretary of the Interior on May 29, 1958, pursuant to Section 16 of the Act of June 18, 1934 (48 Stat. 984).

  
\_\_\_\_\_  
Acting Chairman of the Tribal Council

  
\_\_\_\_\_  
Secretary of the Tribal Council

**WHITE MOUNTAIN CONSTRUCTION ENTERPRISE**  
**Projected Budget for Rock Crusher & Concrete Operation Only**  
**Based on 9,000 CY of Aggregate and 1,500 CY of Concrete**

**NEW OPERATION**

	Rock Crusher	Concrete	Total
Sales	\$18,000.00	\$31,500.00	\$49,500.00
Expenses			
Labor	3,780.00	270.00	4,050.00
Materials	-0-	14,790.00	14,790.00
Overhead	<u>5,422.50</u>	<u>6,937.50</u>	<u>12,360.00</u>
Total Expenses	<u>\$9,202.50</u>	<u>\$21,997.50</u>	<u>\$31,200.00</u>
Gross Profit	\$8,797.50	\$ 9,502.50	\$18,300.00
Less 10% of Gross Income for record keeping	<u>1,800.00</u>	<u>3,150.00</u>	<u>4,950.00</u>
Net	<u>\$6,997.50</u>	<u>\$ 6,352.50</u>	<u>\$13,350.00</u>

**OLD OPERATION**

Labor	\$3,780.00	\$ 1,455.00	\$ 5,235.00
Material	-0-	16,050.00	16,050.00
Overhead	<u>5,422.50</u>	<u>7,582.50</u>	<u>13,005.00</u>
Total Expenses	<u>\$9,202.50</u>	<u>\$25,087.50</u>	<u>\$34,290.00</u>
Gross Profit	\$8,797.50	\$ 6,412.50	\$15,210.00
Less 10% of Gross Income for record keeping	<u>1,800.00</u>	<u>3,150.00</u>	<u>4,950.00</u>
Net Profit	<u>\$6,997.50</u>	<u>\$ 3,262.50</u>	<u>\$10,260.00</u>
Difference between old & new	\$3,090.00		

PURCHASE OF NEW SILO & BATCH PLANT

Silo, portable unit without tires & wheels	\$ 8,145.84
Batcher, portable unit without tires & wheels	<u>7,767.13</u>
	\$15,912.97
Less trade in or old batcher	<u>2,300.00</u>
	\$13,612.97
Less \$5000.00 down payment	<u>5,000.00</u>
	\$ 8,612.97

To amortize \$8,612.97 over a period of 5 years at 6% on the unpaid monthly principal balance it will take \$168.80 per month payment.

This mean you will pay interest over a period of 5 years in the amount of \$1,467.00.

For an efficient operation a loader is needed at the batch Plant. New one would cost approximately \$9,500. Good second-hand would cost approximately \$6,000. Could trade in Back-hoe machine.

**COST OF GRAVEL AND SAND PRODUCTION PER YARD**

1 man at \$3.24 per hour.	\$ 3.24
2 men at \$2.75 per hour.	69.92
25 gal. diesel oil at 20¢ per gal.	5.00
Gasoline 30 gal. at 30¢ per gal.	9.00
Oil 3 gal per day at \$1.20 per gal	3.60
Grease 5# per day @ .31¢ per lb.	1.55
30 gal of diesel for cost at 20¢ per gal.	6.00
15 gal. gas for Hoff Loader @ 30¢ per gal.	4.50
	<u>\$99.57</u>
Depreciation per day	28.00
Overhead 30% on labor	19.80
Repair & Maintenance 1/2 of Depreciation	14.00
	<u>\$161.37</u>
Unforeseen expenses down time, etc.	8.63
	<u>\$170.00</u>

Production 170 yard per day. Need profit or cost of production \$1.00 per yard.

Take 1,112 yards gravel to produce 1,500 yard concrete  
 Take 674 yards sand to produce 1,500 yards concrete  
6,000 yards of aggregate potential sale to Navajo Redi-Mix  
 7,786 yards other 1,214 yards total 9,000 yards.

### COST OF PRODUCTION NEW PLANT

Based on per yard of Concrete,

1 man can batch 6 yards of concrete in 20 minutes at  
\$3.24 per hour labor per yard.

Cost of Cement bulk \$1.16 per sack 6 sack x 116  
Cost of Aggregate the same for both operation

.18  
6.94  
\$7.14

### COST OF PRODUCTION OLD PLANT

Based on per yard of concrete

1 man at \$3.24 per hour. 40 min. to batch

2 men at \$2.75 per hour. 40 min. to batch

6 yards

6 sacks cement in bags. \$.30 per bag x 6

Saving per yard \$1.63

.97  
7.80  
\$8.77  
7.14  
\$1.63

Plus what ever saving there would be in waste.

On the bases of a minimum production of 1,500 yard per year there would be  
a saving of \$2,445.00 per year on labor and cement alone.

Payment on new setup \$168.x12 = \$2,016 per year.

NEW PLANT

Cost of Concrete Production per yard -	
Labor and cement	7.14
Cost of hauling sand & gravel from crusher	.50
Estimate Depreciation 10 year based on 1500 yard produced.	1.00
Overhead 30%	.05
Cost of Gravel based 50% Profit to Cusher	1.50
Cost of Sand based 50% profit to Crusher	.90
Repairs maintenance down time, etc. 1/2 of Dep.	.50
	<u>\$11.54</u>
Del. \$3.00 per yad. within 5 mi radius Free Zone	<u>3.00</u>
	\$14.54
Add 10¢ per ton per mi beyond free zone.	
Concrete weight 3694# per yard.	
Pickup needed for operation based on 1500 yard concrete production	
45 day at 25 miles per 1125 miles @ 20¢ per mi	\$225.00

COST OF CONCRETE PRODUCTION OLD PLANT

Labor & Cement Cost	\$ 8.77
Cost of Hauling Gravel & Sand From Crusher	.50
Depreciation	1.00
Overhead 30% of labor	.33
Cost of Gravel based on 50% Profit to Crusher	1.50
Cost of Sand based on 50% profit to Crucher	.90
Repair maintenance down time etc. 65% of Depreiation	.65
	<u>\$13.51</u>
Del. \$3.00 per yeard within 5 mile radius free zone	3.00
	<u>\$16.51</u>

Add 10¢ per ton per mile beyond free zone

Concrete weights 3694 lbs. per yard.