

Internal  
C0070021  
OK

August 20, 1985

TO: FILE  
FROM: Randy Harden ~~RMH~~  
RE: Bond Estimate, Blazon No. 1 Mine, ACT/007/021, Carbon  
County, Utah

Using the cost estimate provided by North American Equities for the Blazon Mine, the costs have been revised by the Division to reflect costs used by the Division in determining bonding amounts.

Productivity and quantities used by NAE were also used by the Division in determining the bond amount. Costs were determined by using the Blue Book Rental Rate and the Means site Work Cost Data books. Revegetation costs used by NAE were also used by the Division in calculation of the bond amount.

Additions to the bond estimate included rill and gully maintenance and a 10% contingency. Rill and gully maintenance was determined by taking 25% of the final grading costs for the site. Due to the steep slopes which will remain upon completion of the reclamation activities, such a cost is warranted.

Note, this bond estimate may be subject to change pending final approval of the reclamation plan and any changes made in the reclamation plan prior to approval.

JRH  
1010R-5  
cc: S. Linner  
L. Braxton  
P. Grubaugh-Littig

BOND ESTIMATE  
BLAZON NO 1 MINE  
ACT/007/021

August 20, 1985

References:

Quantities and Productivity - NAE Submittal(See Attached)  
Equipment - Rental Rate Blue Book, 1985  
Labor - Means Site Work Cost Data, 1985  
Seed costs and fertilization rate costs - NAE Submittal.  
Rill and Gully Maintenance Estimated at 25% of Final Grading Costs.

Unit Cost Estimates:

1. Loader - Cat 980C

Hourly Rate		\$162.50/hr
Daily Rate	\$1,080.00/day =	\$135.00/hr
Weekly Rate	\$3,485.00/wk =	\$87.13/hr
Plus -		
Operating Cost		\$31.63/hr
Operator		\$29.25/hr

Cumulative total of hours for Cat 980C:

III.	3.17hr
IV.	1.00hr
VI. A.	8.30hr
VI. B.	9.33hr
VII.	4.48hr
TOTAL	<u>26.28 hours</u>

Use Daily Rate of \$135.00/hr

Adjusted Operating Rate for 980C Loader  
including Operating Costs and Operator: \$195.88/hr

2. Dozer Cat D-7G with ripper attachment

Hourly Rate		\$148.10/hr
Daily Rate \$985.75/day =		\$123.22/hr
Weekly Rate \$3,190.00/wk =		\$79.75/hr
Plus -		
Operating Cost		\$21.30/hr
Operator		\$29.25/hr

Cumulative total of hours for Cat D-7G:

VI. A.	8.30hr
VI. B.	9.33hr
VII.	4.48hr
VIII.	8.00hr
IX.	6.00hr
TOTAL	<u>36.11</u> hours

Use Daily Rate of \$123.22/hr

Adjusted Operating Rate for Cat D-7G  
including Operating Costs and Operator: \$173.77/hr

3. Trucks 12 yd capacity

Hourly Rate		\$32.75/hr
Daily Rate \$220.00/day =		\$27.50/hr
Weekly Rate \$875.00/wk =		\$21.87/hr
Plus -		
Operating Cost		\$13.40/hr
Operator		\$23.20/hr

Cumulative total of hours for Trucks:

VI. A.	8.30hr
VI. B.	18.66hr (2 trucks)
VII.	8.96hr (2 trucks)
TOTAL	<u>35.92</u> hours

Use Daily Rate of \$27.50/hr

Adjusted Operating Rate for 12 yd trucks  
including Operating Costs and Operator: \$64.10/hr

ADJUSTED RECLAMATION BOND ESTIMATE SUMMARY  
August 20, 1985

Item	Cost
Contractor Mobilization	\$2,000.00
Removal of Structures/Facilities	0.00
Removal of Footing/Foundations	621.17
Removal of Culverts	195.88
Removal of Signs and Markers	179.20
Removal of Mine Development Waste	8,254.06
Topsoil Placement	2,230.37
Final Grading	2,837.40
Scarification	1,042.62
Mulching and Crimping	209.65
Excelsior Blanket	2,244.75
Seeding and Planting	634.37
Vegetation Monitoring	2,325.59
Miscellaneous - Riprap	575.00
*Rill and Gully Maintenance	594.60
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SUBTOTAL	\$23,944.66
10% Contingency	2,394.47
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TOTAL ESTIMATE	\$26,339.13
TOTAL ROUNDED TO NEAREST \$100 -	<u>\$26,300.00</u>