Nevada Standardized Bond Calculation
Labor Costs

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

DAVIS BACON WAGE RATES

Because the Davis-Bacon adjustment rules are different for each wage classification, the county and distance information must be selected in each wage category below. Select the county and the distance from the appropriate courthouse or city hall as indicated. This will determine the wages to be used for power equipment operators, truck drivers, and laborers.

POWER EQUIPMENT OPERATORS

Place cursor here to see note for Davis Bacon wage Interpretation

Enter the County in which the operation is located in the blue cell below or select the County from the cell's drop down list. Note that Nye and White Pine Counties are split into a North and South areas.

Select County: Eureka
Region: Northern County
Select Distance as Instructed Below

Select the distance that the operation is from the Washoe County or Carson City Courthouse from the Grey Button List below

- Less than 50 miles
- 50 to 150 miles
- 151 to 300 miles
- Greater than 300 miles

- Less than 20 miles
- 20 to 40 miles
- 40 to 60 miles
- Greater than 60 miles

TRUCK DRIVERS

Place cursor here to see note for Davis Bacon wage Interpretation

Enter the County in which the operation is located in the blue cell below or select the County from the cell's drop down list. Note that Nye and White Pine Counties are split into a North and South areas.

Select County: Eureka
Region: Northern County
Select Distance as Instructed Below

Select the distance that the operation is from the Washoe County or Carson City Courthouse from the Grey Button List below.

- Less than 50 miles
- 50 to 150 miles
- 151 to 300 miles
- Greater than 300 miles

- Less than 30 miles
- 30 to 50 miles
- 50 to 70 miles
- 70 to 80 miles
- Greater than 80 miles
- Laughlin and Mesquite Area

LABORERS

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Enter the County in which the operation is located in the blue cell below or select the County from the cell's drop down list. Note that Nye and White Pine Counties are split into a North and South areas.

Select County: Eureka
Region: Northern County
Select Distance as Instructed Below

Select the distance that the operation is from the Washoe County or Carson City Courthouse from the Grey Button List below.

- Less than 50 miles
- 50 to 150 miles
- 151 to 300 miles
- Greater than 300 miles

- Less than 30 miles
- 30 to 50 miles
- 50 to 70 miles
- Greater than 70 miles
- Laughlin Area

Nevada Standardized Bond Calculation
Labor Costs

POWER EQUIPMENT OPERATORS — *Place cursor here to see note for Davis Bacon wage interpretation*

County
Eureka
Distance
151 to 300 miles

Wage Classification	Base Wage Rate	Fringe	Area or Zone Adjustment	Hourly Wage Rate	Unemployment	FICA/ Medicare	Workmans Comp	Total
Power Equipment Operators					3.00%	7.65%	11.21%	
Group 1	$22.42	$11.91	$3.00	$37.33	$1.12	$2.86	$4.18	$45.49
Group 1A	$25.18	$11.91	$3.00	$40.09	$1.20	$3.07	$4.49	$48.85
Group 2	$25.71	$11.91	$3.00	$40.62	$1.22	$3.11	$4.55	$49.50
Group 3	$25.98	$11.91	$3.00	$40.89	$1.23	$3.13	$4.58	$49.83
Group 4	$26.72	$11.91	$3.00	$41.63	$1.25	$3.18	$4.67	$50.73
Group 5	$27.02	$11.91	$3.00	$41.93	$1.26	$3.21	$4.70	$51.10
Group 6	$27.19	$11.91	$3.00	$42.10	$1.26	$3.22	$4.72	$51.30
Group 7	$27.44	$11.91	$3.00	$42.35	$1.27	$3.24	$4.75	$51.61
Group 8	$28.03	$11.91	$3.00	$42.94	$1.29	$3.28	$4.81	$52.33
Group 9	$28.35	$11.91	$3.00	$43.26	$1.30	$3.31	$4.85	$52.72
Group 10	$28.70	$11.91	$3.00	$43.61	$1.31	$3.34	$4.89	$53.14
Group 10A	$28.89	$11.91	$3.00	$43.80	$1.31	$3.35	$4.91	$53.37
Group 11	$29.13	$11.91	$3.00	$44.04	$1.32	$3.37	$4.94	$53.67
Group 11A	$30.77	$11.91	$3.00	$45.68	$1.37	$3.49	$5.12	$55.67
Group 11B	$31.58	$11.91	$3.00	$46.49	$1.39	$3.56	$5.21	$56.65
Reserved								
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Reserved								

Nevada Standardized Bond Calculation
Labor Costs

TRUCK DRIVERS — *Place cursor here to see note for Davis Bacon wage interpretation*

County
Eureka
Distance
151 to 300 miles

Wage Classification	Base Wage Rate	Fringe	Area or Zone Adjustment	Hourly Wage Rate	Unemployment	FICA/ Medicare	Workmans Comp	Total
Truck Drivers					3.00%	7.65%	11.21%	
Dump Truck Driver < 4 yds	$20.13	$10.39	$3.00	$33.52	$1.01	$2.56	$3.76	$40.85
Dump Truck Driver > 4 yds < 8 yds	$20.35	$10.39	$3.00	$33.74	$1.01	$2.58	$3.78	$41.12
Dump Truck Driver > 3 yds < 25 yds								
Dump Truck Driver > 8 yds < 18 yds	$20.56	$10.39	$3.00	$33.95	$1.02	$2.60	$3.81	$41.37
Dump Truck Driver > 25 yds < 60 yds	$26.01	$10.39	$3.00	$39.40	$1.18	$3.01	$4.42	$48.01
Dump Truck Driver > 60 yds < 75 yds	$22.59	$10.39	$3.00	$35.98	$1.08	$2.75	$4.03	$43.85
Dump Truck Driver > 75 yds < 100 yds	$23.33	$10.39	$3.00	$36.72	$1.10	$2.81	$4.12	$44.75
Dump Truck Driver > 100 yds	$24.01	$10.39	$3.00	$37.40	$1.12	$2.86	$4.19	$45.58
Dump Truck Driver > 100 yds < 250 yds	$26.01	$10.39	$3.00	$39.40	$1.18	$3.01	$4.42	$48.01
Dump Truck Driver > 250 yds < 350 yds	$29.01	$10.39	$3.00	$42.40	$1.27	$3.24	$4.75	$51.67
Dump Truck Driver > 350 yds	$30.51	$10.39	$3.00	$43.90	$1.32	$3.36	$4.92	$53.50
Truck Driver Transit Mix < 8 yds	$20.56	$10.39	$3.00	$33.95	$1.02	$2.60	$3.81	$41.37
Truck Driver Transit Mix 8 yds to 12 yds	$20.67	$10.39	$3.00	$34.06	$1.02	$2.61	$3.82	$41.51
Truck Driver Transit Mix > 12 yds	$20.89	$10.39	$3.00	$34.28	$1.03	$2.62	$3.84	$41.77
Heavy Duty Transport	$20.72	$10.39	$3.00	$34.11	$1.02	$2.61	$3.82	$41.57
Water Truck < 2,500 gallons	$20.54	$10.39	$3.00	$33.93	$1.02	$2.60	$3.80	$41.35
Water Truck > 2,500 gallons	$20.56	$10.39	$3.00	$33.95	$1.02	$2.60	$3.81	$41.37
Truck w/ Water Trailer	$20.84	$10.39	$3.00	$34.23	$1.03	$2.62	$3.84	$41.71
Reserved								
Reserved								
Reserved								
Reserved								

Nevada Standardized Bond Calculation
Labor Costs

LABORERS								
			Place cursor here to see note for Davis Bacon wage interpretation					
County								
Eureka								
Distance								
151 to 300 miles								
Wage Classification	**Base Wage Rate**	**Fringe**	**Area or Zone Adjustment**	**Hourly Wage Rate**	**Unemployment**	**FICA/ Medicare**	**Workmans Comp**	**Total**
Laborers					3.00%	7.65%	11.21%	
Group 1	$19.75	$6.32	$2.00	$28.07	$0.84	$2.15	$3.15	$34.21
Group 1A	$16.88	$6.32	$2.00	$25.20	$0.76	$1.93	$2.82	$30.71
Group 2	$19.85	$6.32	$2.00	$28.17	$0.85	$2.16	$3.16	$34.33
Group 3	$20.00	$6.32	$2.00	$28.32	$0.85	$2.17	$3.17	$34.51
Group 4	$20.25	$6.32	$2.00	$28.57	$0.86	$2.19	$3.20	$34.82
Group 5	$20.55	$6.32	$2.00	$28.87	$0.87	$2.21	$3.24	$35.18
Group 6	$20.55	$6.32	$2.00	$28.87	$0.87	$2.21	$3.24	$35.18
Group 7	$20.25	$6.32	$2.00	$28.57	$0.86	$2.19	$3.20	$34.82
Group 8	$19.90	$6.32	$2.00	$28.22	$0.85	$2.16	$3.16	$34.39
Group 9	$14.59	$6.32	$2.00	$22.91	$0.69	$1.75	$2.57	$27.92
Reserved								

Nevada Standardized Bond Calculation
Equipment Costs

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

CATERPILLAR RENTAL RATES

EQUIPMENT RENTAL RATE TABLE

EQUIPMENT TYPE (1)	Monthly Rental Rate(4)	Equipment Hourly Rate	Fuel/Lube/ Wear	Total Rate
Bulldozers				
D6R	$ 8,995.00	$ 51.11	$ 15.55	$ 66.66
D7R	$ 12,595.00	$ 71.56	$ 20.02	$ 91.58
D8R	$ 16,200.00	$ 92.05	$ 25.05	$ 117.10
D9R	$ 19,750.00	$ 112.22	$ 36.74	$ 148.95
D10R	$ 25,500.00	$ 144.89	$ 46.62	$ 191.51
D11R	$ 35,070.00	$ 199.26	$ 68.98	$ 268.24
Motor Graders				
14G/H	$ 11,300.00	$ 64.20	$ 26.65	$ 90.86
16G/H	$ 16,750.00	$ 95.17	$ 33.58	$ 128.75
Track Excavators				
320C	$ 6,700.00	$ 38.07	$ 13.41	$ 51.48
325C	$ 7,300.00	$ 41.48	$ 17.15	$ 58.63
345B	$ 10,000.00	$ 56.82	$ 25.38	$ 82.20
385BL	$ 20,500.00	$ 116.48	$ 41.07	$ 157.54
Scrapers				
631G	$ 18,845.00	$ 107.07	$ 41.51	$ 148.59
637G PP	$ 20,076.00	$ 114.07	$ 59.22	$ 173.28
Wheeled Loaders				
928G	$ 4,995.00	$ 28.38	$ 13.30	$ 41.68
966G	$ 9,000.00	$ 51.14	$ 23.11	$ 74.25
972G	$ 10,300.00	$ 58.52	$ 24.61	$ 83.13
988G	$ 17,650.00	$ 100.28	$ 39.20	$ 139.48
992G	$ 35,500.00	$ 201.70	$ 79.55	$ 281.26
Trucks				
769D	$ 15,300.00	$ 86.93	$ 25.53	$ 112.47
777D	$ 24,675.00	$ 140.20	$ 44.40	$ 184.60
Hydraulic Hammers				
H-120 (fits 325)	$ 4,840.00	$ 27.50	$ 3.34	$ 30.84
H-160 (fits 345)	$ 6,950.00	$ 39.49	$ 6.62	$ 46.11
H-180 (fits 365/385)	$ 8,210.00	$ 46.65	$ 7.86	$ 54.51
Other Equipment				
420D 4WD Backhoe	$ 2,625.00	$ 14.91	$ 10.40	$ 25.32
Light Truck - 1.5 Ton	$ 2,000.00	$ 11.36	$ 1.67	$ 13.03
Supervisor's Truck	$ 2,000.00	$ 11.36	$ 1.67	$ 13.03
#N/A	$ 2,720.96	$ 15.46	$ -	$ 15.46
#N/A	$ 45,330.56	$ 257.56	$ -	$ 257.56
#N/A	$ 33,010.56	$ 187.56	$ -	$ 187.56
#N/A	$ 17,042.08	$ 96.83	$ 3.34	$ 100.17
#N/A	$ 580.80	$ 3.30	$ 3.34	$ 6.64
#N/A	$ 8,395.00	$ 47.70	$ 5.01	$ 52.71
613E (5,000 gal) Water Wagon	$ 8,395.00	$ 47.70	$ 22.24	$ 69.94
621E (8,000 gal) Water Wagon	$ 13,250.00	$ 75.28	$ 21.10	$ 96.38
Dump Truck (10-12 yd3)(4)	$ 11,533.28	$ 65.53	$ 28.95	$ 94.48

NOTES:

#N/A #N/A
#N/A #N/A
#N/A #N/A
#N/A Means Heavy Construction (Sept 2005)

Bond Calculation
Constr. Mgmt

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: October 25, 2005
File Name: Mount Hope Notice_102505_ Beta 3b.xls

Construction Management & Road Maintenance - Cost Summary

		Labor	Equipment	Materials	Totals
	Construction Management	$416	$104	N/A	$520
	Road Maintenance	$0	$0	N/A	$0
TOTAL CONSTRUCTION MANAGEMENT		$416	$104	$0	$520

Construction Management

Description	Duration mo.	Hours/ Month	Number of Supervisors	Supervisor Rate $/hr	Labor Cost $	Equipment Cost[1] $	Totals $
Active Reclamation	1	8	1	$52.01	$416	$104	$520
Monitoring & Maintenance				$52.01	$0	$0	$0
Total Project Management					$416	$104	$520

Road Maintenance

Description	Fleet Size (select)	Duration mo.	Hours/ Month		Labor Cost $	Equipment Cost $	Totals $
Active Reclamation							
Water Truck							$0
Grader							$0
Monitoring & Maintenance							
Water Truck							$0
Grader							$0
Total Project Maintenance					$0	$0	$0

Notes: 1) Supervisor equipment = pickup truck

Nevada Standardized Bond Calculation
Labor Costs

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: October 25, 2005
File Name: Mount Hope Notice_102505_ Beta 3b.xls

DAVIS BACON WAGE RATES

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POWER EQUIPMENT OPERATORS

Place cursor here to see note for Davis Bacon wage interpretation

Enter the County in which the operation is located in the blue cell below or select the County from the cell's drop down list. Note that Nye and White Pine Counties are split into a North and South areas.

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- Less than 50 miles
- 50 to 150 miles
- 151 to 300 miles
- Greater than 300 miles
- Less than 20 miles
- 20 to 40 miles
- 40 to 60 miles
- Greater than 60 miles

TRUCK DRIVERS

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- 151 to 300 miles
- Greater than 300 miles
- Less than 30 miles
- 30 to 50 miles
- 50 to 70 miles
- 70 to 80 miles
- Greater than 80 miles
- Laughlin and Mesquite Area

LABORERS

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Enter the County in which the operation is located in the blue cell below or select the County from the cell's drop down list. Note that Nye and White Pine Counties are split into a North and South areas.

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- Laughlin Area

Nevada Standardized Bond Calculation
Labor Costs

POWER EQUIPMENT OPERATORS — *Place cursor here to see note for Davis Bacon wage interpretation.*

County
Eureka
Distance
151 to 300 miles

Wage Classification	Base Wage Rate	Fringe	Area or Zone Adjustment	Hourly Wage Rate	Unemployment	FICA/ Medicare	Workmans Comp	Total
Power Equipment Operators					3.00%	7.65%	11.21%	
Group 1	$22.42	$11.91	$3.00	$37.33	$1.12	$2.86	$4.18	$45.49
Group 1A	$25.18	$11.91	$3.00	$40.09	$1.20	$3.07	$4.49	$48.85
Group 2	$25.71	$11.91	$3.00	$40.62	$1.22	$3.11	$4.55	$49.50
Group 3	$25.98	$11.91	$3.00	$40.89	$1.23	$3.13	$4.58	$49.83
Group 4	$26.72	$11.91	$3.00	$41.63	$1.25	$3.18	$4.67	$50.73
Group 5	$27.02	$11.91	$3.00	$41.93	$1.26	$3.21	$4.70	$51.10
Group 6	$27.19	$11.91	$3.00	$42.10	$1.26	$3.22	$4.72	$51.30
Group 7	$27.44	$11.91	$3.00	$42.35	$1.27	$3.24	$4.75	$51.61
Group 8	$28.03	$11.91	$3.00	$42.94	$1.29	$3.28	$4.81	$52.33
Group 9	$28.35	$11.91	$3.00	$43.26	$1.30	$3.31	$4.85	$52.72
Group 10	$28.70	$11.91	$3.00	$43.61	$1.31	$3.34	$4.89	$53.14
Group 10A	$28.89	$11.91	$3.00	$43.80	$1.31	$3.35	$4.91	$53.37
Group 11	$29.13	$11.91	$3.00	$44.04	$1.32	$3.37	$4.94	$53.67
Group 11A	$30.77	$11.91	$3.00	$45.68	$1.37	$3.49	$5.12	$55.67
Group 11B	$31.58	$11.91	$3.00	$46.49	$1.39	$3.56	$5.21	$56.65
Reserved								
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Nevada Standardized Bond Calculation
Labor Costs

TRUCK DRIVERS — Place cursor here to see note for Davis Bacon wage interpretation

County
Eureka
Distance
151 to 300 miles

Wage Classification	Base Wage Rate	Fringe	Area or Zone Adjustment	Hourly Wage Rate	Unemployment	FICA/ Medicare	Workmans Comp	Total
Truck Drivers					3.00%	7.65%	11.21%	
Dump Truck Driver < 4 yds	$20.13	$10.39	$3.00	$33.52	$1.01	$2.56	$3.76	$40.85
Dump Truck Driver > 4 yds < 8 yds	$20.35	$10.39	$3.00	$33.74	$1.01	$2.58	$3.78	$41.12
Dump Truck Driver > 3 yds < 25 yds								
Dump Truck Driver > 8 yds < 18 yds	$20.56	$10.39	$3.00	$33.95	$1.02	$2.60	$3.81	$41.37
Dump Truck Driver > 25 yds < 60 yds	$26.01	$10.39	$3.00	$39.40	$1.18	$3.01	$4.42	$48.01
Dump Truck Driver > 60 yds < 75 yds	$22.59	$10.39	$3.00	$35.98	$1.08	$2.75	$4.03	$43.85
Dump Truck Driver > 75 yds < 100 yds	$23.33	$10.39	$3.00	$36.72	$1.10	$2.81	$4.12	$44.75
Dump Truck Driver > 100 yds	$24.01	$10.39	$3.00	$37.40	$1.12	$2.86	$4.19	$45.58
Dump Truck Driver > 100 yds < 250 yds	$26.01	$10.39	$3.00	$39.40	$1.18	$3.01	$4.42	$48.01
Dump Truck Driver > 250 yds < 350 yds	$29.01	$10.39	$3.00	$42.40	$1.27	$3.24	$4.75	$51.67
Dump Truck Driver > 350 yds	$30.51	$10.39	$3.00	$43.90	$1.32	$3.36	$4.92	$53.50
Truck Driver Transit Mix < 8 yds	$20.56	$10.39	$3.00	$33.95	$1.02	$2.60	$3.81	$41.37
Truck Driver Transit Mix 8 yds to 12 yds	$20.67	$10.39	$3.00	$34.06	$1.02	$2.61	$3.82	$41.51
Truck Driver Transit Mix > 12 yds	$20.89	$10.39	$3.00	$34.28	$1.03	$2.62	$3.84	$41.77
Heavy Duty Transport	$20.72	$10.39	$3.00	$34.11	$1.02	$2.61	$3.82	$41.57
Water Truck < 2,500 gallons	$20.54	$10.39	$3.00	$33.93	$1.02	$2.60	$3.80	$41.35
Water Truck > 2,500 gallons	$20.56	$10.39	$3.00	$33.95	$1.02	$2.60	$3.81	$41.37
Truck w/ Water Trailer	$20.84	$10.39	$3.00	$34.23	$1.03	$2.62	$3.84	$41.71
Reserved								
Reserved								
Reserved								
Reserved								

Nevada Standardized Bond Calculation
Labor Costs

LABORERS *Place cursor here to see note for Davis Bacon wage interpretation*

County
Eureka
Distance
151 to 300 miles

Wage Classification	Base Wage Rate	Fringe	Area or Zone Adjustment	Hourly Wage Rate	Unemployment	FICA/ Medicare	Workmans Comp	Total
Laborers					3.00%	7.65%	11.21%	
Group 1	$19.75	$6.32	$2.00	$28.07	$0.84	$2.15	$3.15	$34.21
Group 1A	$16.88	$6.32	$2.00	$25.20	$0.76	$1.93	$2.82	$30.71
Group 2	$19.85	$6.32	$2.00	$28.17	$0.85	$2.16	$3.16	$34.33
Group 3	$20.00	$6.32	$2.00	$28.32	$0.85	$2.17	$3.17	$34.51
Group 4	$20.25	$6.32	$2.00	$28.57	$0.86	$2.19	$3.20	$34.82
Group 5	$20.55	$6.32	$2.00	$28.87	$0.87	$2.21	$3.24	$35.18
Group 6	$20.55	$6.32	$2.00	$28.87	$0.87	$2.21	$3.24	$35.18
Group 7	$20.25	$6.32	$2.00	$28.57	$0.86	$2.19	$3.20	$34.82
Group 8	$19.90	$6.32	$2.00	$28.22	$0.85	$2.16	$3.16	$34.39
Group 9	$14.59	$6.32	$2.00	$22.91	$0.69	$1.75	$2.57	$27.92
Reserved								

Nevada Standardized Bond Calculation
Equipment Costs

Project Name: Mount Hope Notice- Notice or Exploration
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CATERPILLAR RENTAL RATES

EQUIPMENT RENTAL RATE TABLE				
EQUIPMENT TYPE (1)	Monthly Rental Rate(4)	Equipment Hourly Rate	Fuel/Lube/ Wear	Total Rate
Bulldozers				
D6R	$ 8,995.00	$ 51.11	$ 15.55	$ 66.66
D7R	$ 12,595.00	$ 71.56	$ 20.02	$ 91.58
D8R	$ 16,200.00	$ 92.05	$ 25.05	$ 117.10
D9R	$ 19,750.00	$ 112.22	$ 36.74	$ 148.95
D10R	$ 25,500.00	$ 144.89	$ 46.62	$ 191.51
D11R	$ 35,070.00	$ 199.26	$ 68.98	$ 268.24
Motor Graders				
14G/H	$ 11,300.00	$ 64.20	$ 26.65	$ 90.86
16G/H	$ 16,750.00	$ 95.17	$ 33.58	$ 128.75
Track Excavators				
320C	$ 6,700.00	$ 38.07	$ 13.41	$ 51.48
325C	$ 7,300.00	$ 41.48	$ 17.15	$ 58.63
345B	$ 10,000.00	$ 56.82	$ 25.38	$ 82.20
385BL	$ 20,500.00	$ 116.48	$ 41.07	$ 157.54
Scrapers				
631G	$ 18,845.00	$ 107.07	$ 41.51	$ 148.59
637G PP	$ 20,076.00	$ 114.07	$ 59.22	$ 173.28
Wheeled Loaders				
928G	$ 4,995.00	$ 28.38	$ 13.30	$ 41.68
966G	$ 9,000.00	$ 51.14	$ 23.11	$ 74.25
972G	$ 10,300.00	$ 58.52	$ 24.61	$ 83.13
988G	$ 17,650.00	$ 100.28	$ 39.20	$ 139.48
992G	$ 35,500.00	$ 201.70	$ 79.55	$ 281.26
Trucks				
769D	$ 15,300.00	$ 86.93	$ 25.53	$ 112.47
777D	$ 24,675.00	$ 140.20	$ 44.40	$ 184.60
Hydraulic Hammers				
H-120 (fits 325)	$ 4,840.00	$ 27.50	$ 3.34	$ 30.84
H-160 (fits 345)	$ 6,950.00	$ 39.49	$ 6.62	$ 46.11
H-180 (fits 365/385)	$ 8,210.00	$ 46.65	$ 7.86	$ 54.51
Other Equipment				
420D 4WD Backhoe	$ 2,625.00	$ 14.91	$ 10.40	$ 25.32
Light Truck - 1.5 Ton	$ 2,000.00	$ 11.36	$ 1.67	$ 13.03
Supervisor's Truck	$ 2,000.00	$ 11.36	$ 1.67	$ 13.03
Air Compressor + tools(4)	$ 2,720.96	$ 15.46	$ -	$ 15.46
Heavy Duty Drill Rig(3)	$ 45,330.56	$ 257.56	$ -	$ 257.56
Pumping (plugging) Drill Rig(3)	$ 33,010.56	$ 187.56	$ -	$ 187.56
Concrete Pump(4)	$ 17,042.08	$ 96.83	$ 3.34	$ 100.17
Gas Engine Vibrator(4)	$ 580.80	$ 3.30	$ 3.34	$ 6.64
25 Ton Crane(4)	$ 8,395.00	$ 47.70	$ 5.01	$ 52.71
613E (5,000 gal) Water Wagon	$ 8,395.00	$ 47.70	$ 22.24	$ 69.94
621E (8,000 gal) Water Wagon	$ 13,250.00	$ 75.28	$ 21.10	$ 96.38
Dump Truck (10-12 yd3)(4)	$ 11,533.28	$ 65.53	$ 28.95	$ 94.48

NOTES:

(1) Equipment Type: Catepillar model or equivalent
(2) Source: Cashman Equipment Company (Aug 2005)
(3) Source: WDC Exporation (Sept 2005)
(4) Source: Means Heavy Construction (Sept 2005)

JA3903

Nevada Standardized Bond Calculation
Equipment Costs

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: October 25, 2005
File Name: Mount Hope Notice_102505_ Beta 3b.xls

FUEL, LUBE AND WEAR CALCULATIONS (1)						
EQUIPMENT TYPE	PM Cost Per Hour(2)	Under carriage or Tires (3)(4)	G.E.T Consumption	Fuel Use Rate gal/hr	Cost @ $1.67/gal	Total Hourly Equipment Cost
Bulldozers						
D6R	$ 2.99	$ -	$ 2.96	$ 5.75	$9.60	$ 15.55
D7R	$ 3.10	$ -	$ 4.39	$ 7.50	$12.53	$ 20.02
D8R	$ 3.42	$ -	$ 5.35	$ 9.75	$16.28	$ 25.05
D9R	$ 4.16	$ -	$ 8.78	$ 14.25	$23.80	$ 36.74
D10R	$ 4.29	$ -	$ 12.27	$ 18.00	$30.06	$ 46.62
D11R	$ 5.67	$ -	$ 19.05	$ 26.50	$44.26	$ 68.98
Motor Graders						
14G/H	$ 2.68	$ 4.73	$ 8.81	$ 6.25	$10.44	$ 26.65
16G/H	$ 3.14	$ 5.89	$ 12.03	$ 7.50	$12.53	$ 33.58
Track Excavators						
320C	$ 2.88	$ -	$ 2.35	$ 4.90	$8.18	$ 13.41
325C	$ 2.88	$ -	$ 3.25	$ 6.60	$11.02	$ 17.15
345B	$ 3.61	$ -	$ 4.07	$ 10.60	$17.70	$ 25.38
385 BL	$ 4.04	$ -	$ 7.80	$ 17.50	$29.23	$ 41.07
Scrapers						
631G	$ 4.05	$ 7.54	$ 4.87	$ 15.00	$25.05	$ 41.51
637G PP	$ 5.90	$ 7.54	$ 6.11	$ 23.75	$39.66	$ 59.22
Wheeled Loaders						
928G	$ 2.45	$ 2.36	$ 2.64	$ 3.50	$5.85	$ 13.30
966G	$ 2.85	$ 4.49	$ 6.17	$ 5.75	$9.60	$ 23.11
972G	$ 2.92	$ 4.49	$ 6.76	$ 6.25	$10.44	$ 24.61
988G	$ 4.74	$ 6.91	$ 8.34	$ 11.50	$19.21	$ 39.20
992G	$ 6.77	$ 14.64	$ 19.73	$ 23.00	$38.41	$ 79.55
Trucks						
769D	$ 4.75	$ 3.50	$ 1.84	$ 9.25	$15.45	$ 25.53
777D	$ 6.92	$ 6.51	$ 2.58	$ 17.00	$28.39	$ 44.40
Hydraulic Hammers						
H-120 (fits 325	$ -	$ -	$ 3.34	$ -	$0.00	$ 3.34
H-160 (fits 345)	$ -	$ -	$ 6.62	$ -	$0.00	$ 6.62
H-180 (fits 365/385)	$ -	$ -	$ 7.86	$ -	$0.00	$ 7.86
Other Equipment						
420D 4WD Backhoe	$ 2.36	$ 1.05	$ 1.98	$ 3.00	$5.01	$ 10.40
Light Truck - 1.5 Ton	$ -	$ -	$ -	$ 1.00	$1.67	$ 1.67
Supervisor's Truck	$ -	$ -	$ -	$ 1.00	$1.67	$ 1.67
Air Compressor + tools	$ -	$ -	$ -	$ -	$0.00	$ -
Heavy Duty Drill Rig	$ -	$ -	$ -	$ -	$0.00	$ -
Pumping (plugging) Drill Rig	$ -	$ -	$ -	$ -	$0.00	$ -
Concrete Pump	$ -	$ -	$ -	$ 2.00	$3.34	$ 3.34
Gas Engine Vibrator	$ -	$ -	$ -	$ 2.00	$3.34	$ 3.34
25 Ton Crane	$ -	$ -	$ -	$ 3.00	$5.01	$ 5.01
613E (5,000 gal) Water Wagon	$ 2.00	$ 2.29	na	$ 10.75	$17.95	$ 22.24
621E (8,000 gal) Water Wagon	$ 3.15	$ 2.50	na	$ 9.25	$15.45	$ 21.10
Dump Truck (10-12 yd3)	$ 4.75	$ 6.91	$ 1.84	$ 9.25	$15.45	$ 28.95

(1) SOURCE: February 8, 2005 Cashman Equipment Rental Rate, Elko, NV (except as noted)
(2) SOURCE: D&D Tire, Inc. 06/02/2004
(3) SOURCE: Caterpillar Performance Handbook Edition 34
(4) SOURCE: Al-Park Petroleum, Inc.

Nevada Standardized Bond Calculation
Equipment Costs

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: October 25, 2005
File Name: Mount Hope Notice_102505_ Beta 3b.xls

TIRE COST TABLES

Equipment	# of Tires Per Piece of Equipment	June 2005 Cost Per Tire	Tire Cost (1)(2)	Life Expectancy Hours (Low/Zone A) (3)	Tire Cost per Hour
Motor Graders					
140H	6	$ 2,658.80	$ 15,952.80	3,500	$4.56
14H	6	$ 2,757.40	$ 16,544.40	3,500	$4.73
16H	6	$ 3,434.85	$ 20,609.10	3,500	$5.89
Trucks					
Dump Truck (10-12 yd3)	6	$ 3,496.90	$ 20,981.40	6,000	$3.50
769D	6	$ 3,496.90	$ 20,981.40	6,000	$3.50
773E	6	$ 6,514.40	$ 39,086.40	6,000	$6.51
777D	6	$ 8,134.50	$ 48,807.00	5,000	$9.76
Scrapers					
613C	4	$ 3,171.35	$ 12,685.40		
615C	4	$ 5,049.00	$ 20,196.00	4,000	$5.05
631G	4	$ 7,542.90	$ 30,171.60	4,000	$7.54
637G PP	4	$ 7,542.90	$ 30,171.60	4,000	$7.54
Wheeled Loaders					
914G	4	$ 2,658.80	$ 10,635.20	4,500	$2.36
924G	4	$ 2,658.80	$ 10,635.20	4,500	$2.36
928G	4	$ 2,658.80	$ 10,635.20	4,500	$2.36
938G	4	$ 2,758.25	$ 11,033.00	4,500	$2.45
950G	4	$ 3,435.70	$ 13,742.80	4,500	$3.05
962G	4	$ 3,435.70	$ 13,742.80	4,500	$3.05
966G	4	$ 5,049.00	$ 20,196.00	4,500	$4.49
972G	4	$ 5,049.00	$ 20,196.00	4,500	$4.49
980G	4	$ 6,315.50	$ 25,262.00	4,500	$5.61
988G	4	$ 7,774.10	$ 31,096.40	4,500	$6.91
992G	4	$ 16,471.30	$ 65,885.20	4,500	$14.64
Backhoes					
416D 4WD	2 + 2	$ 1,578.00	$ 3,156.00	3,000	$1.05
420D 4WD	2 + 2	$ 1,578.00	$ 3,156.00	3,000	$1.05
430D 4WD	2 + 2	$ 1,578.00	$ 3,156.00	3,000	$1.05
446D 4WD	2 + 2	$ 1,537.00	$ 3,074.00	3,000	$1.02
Other Equipment					
Supervisor's Truck (Pickup)	4	$ -	$ -	0	
613E (5,000 gal) Water Wagon	4	$ 3,435.70	$ 13,742.80	6,000	$2.29
621E (8,000 gal) Water Wagon	4	$ 5,001.40	$ 20,005.60	8,000	$2.50

Notes:
1) Total cost for all required tires.
2) Source: D&D Tire, Inc. 09/06/2005
3) Caterpillar Handbook, Edition 34; Estimated Tire Life Curves Ch. 20

Bond Calculation
Material Costs

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: October 25, 2005
File Name: Mount Hope Notice_102505_ Beta 3b.xls

Revegetation Materials

Seed Mixes

Seed Mix	Cost/lb	lbs/acre	Cost/Acre
None			
Mix 1			$250.00
Mix 2			$275.00
Mix 3			$300.00
Mix 4			$300.00
User Mix	$10.51	11	$115.57

Mulch

Item	Cost/lb	lbs/acre	Cost/Acre
None			
Straw Mulch	$0.14	$2,000.00	$280.00
Hydro Mulch	$6.25	$50.00	$313.00

Amendments

Item	Cost/lb	lbs/acre	Cost/Acre
None			
Organic Matter	$0.25	$2,000.00	$500.00
Treated Sludge	$0.10	$3,000.00	$300.00
Chemical	$1.50	$100.00	$150.00

Well Abandonment Materials

Description	Units	Cost/unit
Cement	cy	$310.00
Grout (Low Grade Bentonite)	cy	$25.76
Inert Material/Cuttings	cy	$0.00
		$0.00
		$0.00

(1) Cement costs per Modern Concrete quote (7/23/04) at $310 cubic yard placed.
(2) MI Drilling Fluids, Carlin, Nevada (2/28/05) quote for Abandonite grout at $22.40 + 10% for bentonite chips added.

Monitoring Costs

Description	Units	Cost/unit
		$0.00
Water Sample Analysis(1)	$/sample	$325.00
Monitor Well Pump	ea.	$2,140.00
Sampling Supplies	$/sample	$5.00
		$0.00
		$0.00

(1) ACZ Laboratories - Nevada Profile I Analysis (9/2005)

Fuel, Etc.

Description	Units	Cost/unit
Off-road Diesel - delivered (1)	gallons	$1.67
Pickup Truck Mileage	$/mi	$0.41
		$0.00
		$0.00
		$0.00

(1) Source: Al-Park Petroleum, Inc. Salt Lake City, average cost for 12 months ending 6/05 or $1.56/gal plus $0.11/gal freight (July 2005).

Nevada Standardized Bond Calculation
Misc. Unit Costs

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: October 25, 2005
File Name: Mount Hope Notice_102505_ Beta 3b.xls

Project Management, Monitoring & Consultants

	Salary + Fringe	Annual Hours	Base $/hr	Fringe	Unemploy	FICA/Medica	Workers Com	Total
Construction/Project Management					3.00%	7.65%	11.21%	
Site Supervisor/Foreman	$88,775	2,080	$42.68		$1.28	$3.27	$4.78	$52.01
NDEP Staff (fully burdened rates)								
Deputy Administrator	$112,000	2,080						$53.85
Bureau Chief	$105,000	2,080						$50.48
Supervising Env. Scientist	$85,000	2,080						$40.87
Branch Supervisor	$96,000	2,080						$46.15
Staff Engineer	$60,000	2,080						$28.85
Environmental Scientist	$75,000	2,080						$36.06
Consultants								
Field Geologist/Engineer								$75.00
Field Tech/Sampler								$55.00
Range Scientist								$75.00
Carpenters								
Carpenter			$24.08	$9.92	$1.02	$2.60	$3.81	$41.43

Revegetation

Based on Quote from Slater Seeding (using Davis-Bacon wage rates)
September 5, 2005

	Unit	Materials	Labor	Equipment	Premium	Total	Notes
Seeding	acres	varies	$65.00	$55.00	$0.00	$120.00	

Building and Wall Demolition

Hourly productivity rates and crew composition from Means Heavy Construction 2005 Edition. All equipment, labor and material unit costs are from Labor Costs, Equipment Costs and Material Costs spreadsheets

	Means Number	Unit	Crew	Daily Output	Materials	Labor	Equipment	Premium	Total	Notes
Building Demolition										
Lg. steel	02220-110-0012	C.F.	B-8	21,500		$0.11	$0.12		$0.23	
Lg. concrete	02220-110-0050	C.F.	B-8	15,300		$0.16	$0.17		$0.33	
Lg. masonry	02220-110-0080	C.F.	B-8	20,100		$0.12	$0.13		$0.25	
Lg. mixed	02220-110-0100	C.F.	B-8	20,100		$0.12	$0.13		$0.25	
Sm. steel	02220-110-0500	C.F.	B-3	14,800		$0.09	$0.13		$0.22	
Sm. concrete	02220-110-0600	C.F.	B-3	11,300		$0.12	$0.17		$0.29	
Sm. masonry	02220-110-0650	C.F.	B-3	14,800		$0.09	$0.13		$0.22	
Sm. wood	02220-110-0700	C.F.	B-3	14,800		$0.09	$0.13		$0.22	
Wall Demolition										
Block 4" thick	02220-130-2000	S.F	1 Clab	180		$1.52	$0.00	20%	$1.82	assumes vertical reinforcing rods included (20% premium)
Block 6" thick	02220-130-2040	S.F	1 Clab	170		$1.61	$0.00	20%	$1.93	assumes vertical reinforcing rods included (20% premium)
Block 8" thick	02220-130-2080	S.F	1 Clab	150		$1.82	$0.00	20%	$2.18	assumes vertical reinforcing rods included (20% premium)
Block 12" thick	02220-130-2100	S.F	1 Clab	150		$1.82	$0.00	20%	$2.18	assumes vertical reinforcing rods included (20% premium)
Conc 4" thick	02220-130-2400	S.F	B-9	160		$9.44	$1.42	10%	$11.95	assumes average reinforcing (10% premium)
Conc 6" thick	02220-130-2420	S.F	B-9	140		$10.79	$1.63	10%	$13.66	assumes average reinforcing (10% premium)
Conc 8" thick	02220-130-2440	S.F	B-9	120		$12.59	$1.90	10%	$15.94	assumes average reinforcing (10% premium)
Conc 12" thick	02220-130-2500	S.F	B-9	100		$15.11	$2.28	10%	$19.13	assumes average reinforcing (10% premium)

Nevada Standardized Bond Calculation
Misc. Unit Costs

Concrete Structure Installation

Hourly productivity rates and crew composition from Means Heavy Construction 2005 Edition. All equipment, labor and material unit costs are from Labor Costs, Equipment Costs and Material Costs spreadsheets

	Means Number	Unit	Crew	Daily Output	Materials	Labor	Equipment	Premium	Total	Notes
Reinforced Concrete Bulkheads and Shaft Covers										
Grade walls, 15" thick, 8' high	03310-240-4300	C.Y	C-14D	80	$106.00	$11.98	$102.00		$219.98	includes reinforcing
Grade walls, 15" thick, 12' high	03310-240-4350	C.Y	C-14D	51	$112.00	$18.70	$159.23		$289.93	includes reinforcing
Elevated conc, 1-way beam and slab - 15' span	03310-240-2700	C.Y	C-14B	21	$194.00	$404.14	$46.56		$644.70	includes reinforcing
Elevated conc, 1-way beam and slab - 25' span	03310-240-2750	C.Y	C-14B	28	$176.00	$293.41	$33.81		$503.22	includes reinforcing
									$0.00	
									$0.00	
Bat Gate Installation										
Bat Gate		L.S.			$250.00	$500.00	$750.00		$1,500.00	Estimate - BLM to confirm by end Sept 2005.

Misc. Linear Projects

Hourly productivity rates and crew composition from Means Heavy Construction 2005 Edition. All equipment, labor and material unit costs are from Labor Costs, Equipment Costs and Material Costs spreadsheets

	Means Number	Unit	Crew	Daily Output	Materials	Labor	Equipment	Premium	Total	Notes
Fencing Demolition										
Barbed 3-strand	02220-220-1600	L.F.	2 Clab	430		$1.27	$0.00		$1.27	
Barbed 5-strand	02220-220-1650	L.F.	2 Clab	280		$1.95	$0.00		$1.95	
Chain link 8'-10'	02220-220-1700	L.F.	B-6	445		$2.19	$0.75		$2.94	
Pipeline and Culvert Removal										
12" Diameter	02220-220-2900	L.F.	B-6	175		$5.56	$1.91		$7.47	
15" Diameter	02220-220-2930	L.F.	B-6	150		$6.48	$2.22		$8.70	
24" Diameter	02220-220-2960	L.F.	B-6	120		$8.10	$2.78		$10.88	
36" Diameter	02220-220-3000	L.F.	B-6	90		$10.81	$3.70		$14.51	
Misc.										
Backhoe work	02210-700-0120	C.Y.	B-11M	28		$15.25	$7.23		$22.48	
Powerline and Transformer Removal										
Single Pole Powerlines		line mile							$10,000.00	Sierra Pacific Power Company estimate (2004)
Double Pole Powerlines		line mile							$0.00	Sierra Pacific Power Company estimate (2004)
Transformer		unit							$15,000.00	Sierra Pacific Power Company estimate (2004)

Erosion and Sedimentation Control

Hourly productivity rates and crew composition from Means Heavy Construction 2005 Edition. All equipment, labor and material unit costs are from Labor Costs, Equipment Costs and Material Costs spreadsheets

	Means Number	Unit	Crew	Daily Output	Materials	Labor	Equipment	Premium	Total	Notes
Rip-Rap & Rock Lining										
Rip-Rap 3/8 to 1/4 C.Y Pieces, grouted	02370-450-0110	S.Y.	B-13	80	$20.95	$24.05	$6.57		$51.57	assumes on-site source of rip-rap
Rip-Rap 18" min thick, no grout	02370-450-0200	S.Y.	B-13	53		$36.30	$9.92		$46.22	assumes on-site source of rip-rap
Gabions, 6" deep	02370-450-0400	S.Y.	B-13	200	$9.46	$9.62	$2.63		$21.71	assumes on-site source rock fill for gabions
Gabions, 9" deep	02370-450-0500	S.Y.	B-13	163	$14.56	$11.80	$3.23		$29.59	assumes on-site source rock fill for gabions
Gabions, 12" deep	02370-450-0200	S.Y.	B-13	153	$15.40	$12.57	$3.44		$31.41	assumes on-site source rock fill for gabions
Gabions, 18" deep	02370-450-0200	S.Y.	B-13	102	$19.60	$18.86	$5.16		$43.62	assumes on-site source rock fill for gabions
Gabions, 36" deep	02370-450-0200	S.Y.	B-13	60	$33.32	$32.06	$8.77		$74.15	assumes on-site source rock fill for gabions
Liner Installation										
Site grading	2300-100-1100	S.F.			$0.60	$0.65	$0.35		$1.60	
Compaction	2300-310-5100	S.F.							$0.00	
60 mil HDEP Liner	2600-610-1200	S.F.			$1.07				$1.07	

Project Name: Mount Hope Notice- Notice or Exploration
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EQUIPMENT FLEETS			
ACTIVITY AND FLEET	**EQUIPMENT UNIT COST (Hourly)**	**LABOR UNIT COST (Hourly)**	**TOTAL COST (Hourly)**
RIPPING			
Rip road Waste rock dumps, heaps, tails - rip flat surfaces Surface preparation Scarify			
Small Dozer w/ multi-shank			
D7R	$91.58	$52.33	$143.91
Totals	$91.58	$52.33	$143.91
Medium Dozer w/ multi-shank			
D9R	$148.95	$52.33	$201.28
Totals	$148.95	$52.33	$201.28
Large Dozer w/ multi-shank			
D10R	$191.51	$52.33	$243.84
Totals	$191.51	$52.33	$243.84
Grader w/ multi-shank			
16G/H	$128.75	$52.33	$181.08
Totals	$128.75	$52.33	$181.08
GRADING			
Grading storage and structure areas Grading waste rock dumps and heaps Backfilling and grading exploration trenches Grading landfills Constructing pit safety berms			
Small Dozer Fleet			
D7R	$91.58	$52.33	$143.91
Totals	$91.58	$52.33	$143.91
Medium Dozer Fleet			
D9R	$148.95	$52.33	$201.28
Totals	$148.95	$52.33	$201.28
Large Dozer Fleet			
D10R	$191.51	$52.33	$243.84
Totals	$191.51	$52.33	$243.84

JA3909

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: October 25, 2005
File Name: Mount Hope Notice_102505_ Beta 3b.xls

EQUIPMENT FLEETS			
ACTIVITY AND FLEET	EQUIPMENT UNIT COST (Hourly)	LABOR UNIT COST (Hourly)	TOTAL COST (Hourly)
EXCAVATING			
Earthen Berms Diversion ditch backfill Underground openings backfill - excavate and place			
Large Excavator			
385BL	$157.54	$53.67	$211.21
Totals	$157.54	$53.67	$211.21
Medium Excavator			
345B	$82.20	$53.67	$135.87
Totals	$82.20	$53.67	$135.87
Small Excavator			
325C	$58.63	$53.67	$112.30
Totals	$58.63	$53.67	$112.30
EXCAVATE AND RECONTOUR			
Recontour large roads (haul roads, roads greater than xx in width) Recontour small roads (access roads, roads smaller than xx in width) Ponds - Excavate and pull liner and bury Excavation and grading for diversion and drainage control			
Large Excavator + Dozer			
385BL	$157.54	$53.67	$211.21
D10R	$191.51	$52.33	$243.84
Totals	$349.05	$106.00	$455.05
Medium Excavator + Dozer			
345B	$82.20	$53.67	$135.87
D9R	$148.95	$52.33	$201.28
Totals	$231.15	$106.00	$337.15
Small Excavator + Dozer			
325C	$58.63	$53.67	$112.30
D7R	$91.58	$52.33	$143.91
Total Equipment	$150.21	$106.00	$256.21

JA3910

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: October 25, 2005
File Name: Mount Hope Notice_102505_ Beta 3b.xls

EQUIPMENT FLEETS			
ACTIVITY AND FLEET	**EQUIPMENT UNIT COST (Hourly)**	**LABOR UNIT COST (Hourly)**	**TOTAL COST (Hourly)**
LOAD, HAUL AND PLACE MATERIAL			
Rock placement Haul overburden for backfill Haul borrow for backfill Haul cover or growth media			
Large Truck/Loader Fleet			
777D	$184.60	$43.85	$228.45
992G	$281.26	$55.67	$336.93
D7R	$91.58	$52.33	$143.91
Totals	$557.44	$151.85	$709.29
Small Truck/Loader Fleet			
769D	$112.47	$48.01	$160.48
988G	$139.48	$53.67	$193.15
D7R	$91.58	$52.33	$143.91
Totals	$343.52	$154.01	$497.53
Scraper/Dozer Fleet			
631G	$148.59	$52.33	$200.92
D10R	$191.51	$52.33	$243.84
D7R	$91.58	$52.33	$143.91
Totals	$431.67	$156.99	$588.66
Tandem Scraper Fleet			
637G PP	$173.28	$52.33	$225.61
D7R	$91.58	$52.33	$143.91
Totals	$264.86	$104.66	$369.52
MISC. LOAD AND HAUL AND EARTHWORKS			
Sludge removal Drainage controls			
Misc. - Cat 325B Excavator / 10-12 yd³ Truck			
325C	$58.63	$53.67	$112.30
Dump Truck (10-12 yd3)(4)	$94.48	$41.37	$135.85
Totals	$153.11	$95.04	$248.15
Misc. - Cat D9R Dozer/ Loader (5 yd³) / 10-12 yd³ Truck			
D9R	$148.95	$52.33	$201.28
966G	$74.25	$53.67	$127.92
Dump Truck (10-12 yd3)(4)	$94.48	$41.37	$135.85
Totals	$317.68	$147.37	$465.05
Misc. - Cat D6 Dozer / Cat 966 Loader / 10-12 yd3 Truck			
D6R	$66.66	$52.33	$118.99
966G	$74.25	$53.67	$127.92
Dump Truck (10-12 yd3)(4)	$94.48	$41.37	$135.85
Totals	$235.39	$147.37	$382.76

JA3911

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: October 25, 2005
File Name: Mount Hope Notice_102505_ Beta 3b.xls

EQUIPMENT FLEETS

ACTIVITY AND FLEET	EQUIPMENT UNIT COST (Hourly)	LABOR UNIT COST (Hourly)	TOTAL COST (Hourly)
CONCRETE BREAKING			
Slab demolition Footing demolition Wall demolition			
Small - Cat 325B Excavator w/ H140D s Hammer			
325C	$58.63	$53.67	$112.30
H-120 (fits 325)	$30.84	$0.00	$30.84
D9R	$148.95	$52.33	$201.28
Totals	$238.42	$106.00	$344.42
Medium - Cat 345B Excavator w/ H180D s Hammer			
345B	$82.20	$53.67	$135.87
H-160 (fits 345)	$46.11	$0.00	$46.11
D9R	$148.95	$52.33	$201.28
Totals	$277.26	$106.00	$383.26
Large - Cat 385B Excavator w/ H180D s Hammer			
385BL	$157.54	$53.67	$211.21
H-180 (fits 365/385)	$54.51	$0.00	$54.51
D9R	$148.95	$52.33	$201.28
Totals	$361.00	$106.00	$467.00
DRILL HOLE ABANDONMENT			
Drill Hole - Grout or Cement			
Pumping (plugging) Drill Rig(3)	$187.56	$0.00	$187.56
Driller's Helper	$0.00	$49.83	$49.83
Driller's Helper	$0.00	$49.83	$49.83
Totals	$187.56	$99.66	$287.22
Drill Hole - Inert Media (Means Crew B-11M+ 1 Laborer)			
420D 4WD Backhoe	$25.32	$53.37	$78.69
General Laborer	$0.00	$34.21	$34.21
Totals	$25.32	$87.58	$112.90
Drill Hole - Casing Perforation			
Heavy Duty Drill Rig(3)	$257.56	$49.50	$307.06
Driller's Helper	$0.00	$34.51	$34.51
Driller's Helper	$0.00	$34.51	$34.51
Totals	$257.56	$118.52	$376.08
MAINTENANCE FLEET			
Road Grading, Dust Suppression, Clean Up			
Maintenance - Small Water Truck and Cat 14G Grader			
613E (5,000 gal) Water Wagon	$69.94	$41.37	$111.31
14G/H	$90.86	$52.33	$143.19
Totals	$160.80	$93.70	$254.50
Maintenance - Large Water Truck and Cat 16G Grader			
621E (8,000 gal) Water Wagon	$96.38	$41.37	$137.75
16G/H	$128.75	$52.33	$181.08
Totals	$225.14	$93.70	$318.84

Nevada Standardized Bond Calculation
Fleets (Crews)

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: October 25, 2005
File Name: Mount Hope Notice_102505_ Beta 3b.xls

EQUIPMENT FLEETS			
ACTIVITY AND FLEET	EQUIPMENT UNIT COST (Hourly)	LABOR UNIT COST (Hourly)	TOTAL COST (Hourly)
PROJECT SUPERVISION			
Supervisor's Truck	$13.03	$52.01	$65.04
Totals	$13.03	$52.01	$65.04
MEANS CREW DEFINITIONS			
From RS Means Heavy Construction Crew Definitions For use with misc. unit costs where Means is the source for productivity			
1 Clab - Block Wall Demolition			
General Laborer	$0.00	$34.21	$34.21
Totals	$0.00	$34.21	$34.21
2 Clab - Barbed Wire Fence Removal			
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
Totals	$0.00	$68.42	$68.42
2 Clab + Excavator - Pond Liner Cutting and Folding			
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
325C	$58.63	$53.67	$112.30
Totals	$58.63	$122.09	$180.72
B-3 - Small Building Demolition			
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
Foreman	$13.03	$52.01	$65.04
928G	$41.68	$53.14	$94.82
Dump Truck (10-12 yd3)(4)	$94.48	$0.00	$94.48
Dump Truck (10-12 yd3)(4)	$94.48	$0.00	$94.48
Totals	$243.67	$173.57	$417.24
B-6 - Chain Link Fence/Pipeline/Culvert Removal			
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
928G	$41.68	$53.14	$94.82
Totals	$41.68	$121.56	$163.24
B-8 - Large Building Demolition			
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
Foreman	$13.03	$52.01	$65.04
928G	$36.97	$53.14	$90.11
25 Ton Crane(4)	$78.03	$51.61	$129.64
Dump Truck (10-12 yd3)(4)	$94.48	$41.37	$135.85
Dump Truck (10-12 yd3)(4)	$94.48	$41.37	$135.85
Totals	$316.99	$307.92	$624.91

Nevada Standardized Bond Calculation
Fleets (Crews)

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: October 25, 2005
File Name: Mount Hope Notice_102505_ Beta 3b.xls

EQUIPMENT FLEETS			
ACTIVITY AND FLEET	EQUIPMENT UNIT COST (Hourly)	LABOR UNIT COST (Hourly)	TOTAL COST (Hourly)
B-9 - Concrete Wall Demolition			
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
Foreman	$13.03	$52.01	$65.04
Air Compressor + tools(4)	$15.46	$0.00	$15.46
Totals	$28.49	$188.85	$217.34
B-11M - Backhoe Work			
420D 4WD Backhoe	$25.32	$53.37	$78.69
Totals	$25.32	$53.37	$78.69
B-12G - Rip-Rap Machine Placed (Modified)			
966G	$74.25	$35.22	$109.47
325C	$58.63	$35.22	$93.85
Dump Truck (10-12 yd3)(4)	$94.48	$41.14	$135.62
Totals	$227.36	$111.58	$338.94
B-13 - Grouted Rip-Rap & Gabion Baskets			
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
Foreman	$13.03	$52.01	$65.04
25 Ton Crane(4)	$52.71	$51.61	$104.32
	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00
Totals	$65.74	$240.46	$306.20
C-14B - Elevated Concrete Slabs (Reinforced Concrete Shaft Covers)			
Foreman	$13.03	$52.01	$65.04
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
Rodmen (reinforcing concrete)	$0.00	$34.21	$34.21
Rodmen (reinforcing concrete)	$0.00	$34.21	$34.21
Rodmen (reinforcing concrete)	$0.00	$34.21	$34.21
Rodmen (reinforcing concrete)	$0.00	$34.21	$34.21
Cement finisher	$0.00	$34.33	$34.33
Cement finisher	$0.00	$34.33	$34.33
Gas Engine Vibrator(4)	$6.64	$51.30	$57.94
Concrete Pump(4)	$100.17	$0.00	$100.17
Totals	$119.84	$1,040.15	$1,159.99

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: October 25, 2005
File Name: Mount Hope Notice_102505_ Beta 3b.xls

EQUIPMENT FLEETS			
ACTIVITY AND FLEET	EQUIPMENT UNIT COST (Hourly)	LABOR UNIT COST (Hourly)	TOTAL COST (Hourly)
C-14D - Concrete Walls Formed in Place (Reinforced Concrete Adit Bulkheads)			
Foreman	$13.03	$52.01	$65.04
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
Rodmen (reinforcing concrete)	$0.00	$34.21	$34.21
Rodmen (reinforcing concrete)	$0.00	$34.21	$34.21
Cement finisher	$0.00	$34.33	$34.33
Gas Engine Vibrator(4)	$6.64	$51.30	$57.94
Concrete Pump(4)	$100.17	$0.00	$100.17
Totals	$119.84	$1,020.26	$1,140.11

JA3915

Nevada Standardized Bond Calculation
Productivity

Productivity - Bulldozers

Dozer Specifications

Description	D11R	D10R	D9R	D8R	D7R
Blade Width (SU)	18.33 ft	15.92 ft	14.17 ft	12.92 ft	12.08 ft
Shank Guage (3 shanks)	9.83 ft	8.67 ft	7.67 ft	7.08 ft	6.50 ft
Pocket Spacing	4.75 ft	4.33 ft	3.87 ft	3.58 ft	3.25 ft
Ripping Width (Ripper + 1 Pocket)	14.58 ft	13.00 ft	11.54 ft	10.66 ft	9.75 ft
Ripping Speed	1.0 mph	1.0 mph	1.0 mph	1.0 mph	1.0 mph
Ripping Maneuver (turn) Time	0.25 min	0.25 min	0.25 min	0.25 min	0.25 min
Ripping Hourly Production (less maneuvering time)	5280 ft	5280 ft	5280 ft	5280 ft	5280 ft

Source: Caterpillar Performance Handbook Edition 35

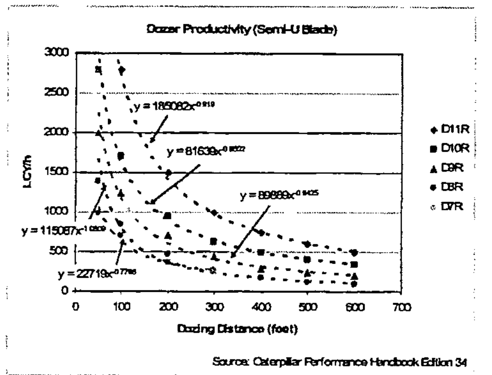
Dozer Productivity vs. Grading Distance

Average Dozing Distance (feet)	Production (LCY/hr) D11R	D10R	D9R	D8R	D7R
50	4800	2800	2000	1400	1000
100	2800	1700	1250	850	700
200	1500	950	700	475	375
300	1000	625	450	275	250
400	750	500	300	175	
500	600	410	250	125	
600	500	350	200	100	

Source: Caterpillar Performance Handbook Edition 35

dozer productivity = k x Dozing Distance^p
(see graph)

	D11R	D10R	D9R	D8R	D7R
k =	185082	81639	89889	115087	22719
p =	-0.919	-0.8502	-0.9425	-1.0809	-0.7796



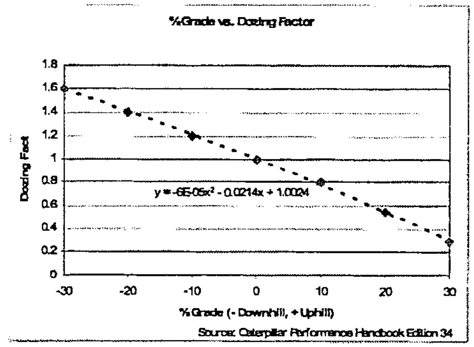
Productivity - Bulldozers (cont.)

% Grade vs. Dozing Factor

% Grade	Dozing Factor
-30	1.6
-20	1.4
-10	1.2
0	1
10	0.8
20	0.55
30	0.3

Source: Caterpillar Performance Handbook Edition 35

% Grade Dozing Factor = $-6E^{-05}x^2 - 0.0214x + 1.0024$
(see graph)



Job Condition Correction Factors - Bulldozers

OPERATOR	
Average	0.75
MATERIAL (1)	
Loose stockpile	1.20
Hard to cut; frozen —	
with tilt cylinder	0.80
Hard to drift; "dead" (dry,non-cohesive material) or very sticky material	0.80
Rock, ripped or blasted	0.60
SLOT DOZING OR SIDE BY SIDE	1.20
DOZING (1)	
VISIBILITY	
Good conditions	1.00
JOB EFFICIENCY	
50 min/hr	0.83

(1) Selected in facility worksheets. Other factors included as standard factors.

Source: Caterpillar Performance Handbook Edition 35

Productivity - Scrapers

Scraper Specifications

Description	631G	637G PP
Empty Weight	100,600 lb	112,760 lb
Payload Capacity		
Struck	24 cy	24 cy
Heaped	34 cy	34 cy
Average	29 cy	29 cy
Loaded by	One D10R	Self*
Load Time	0.5 min	0.5 min
Maneuver and Spread	0.7 min	0.6 min
Job Efficiency	0.83	0.83
Rolling Resistance**	2.5%	2.5%

* Requires pair

**A firm, smooth, rolling roadway with dirt or light surfacing, flexing slightly under load or undulating, maintained fairly regularly, watered

Source: Caterpillar Performance Handbook Edition 35

Weight of Materials / Downhill Scraper Speed - Grade Retarding vs. Effective Grade (Grade - Rolling Resistance)

			631G						637G PP						
Material	lb/cy	Scraper Load lb	Loaded Weight (lbs)	22.0%	16.0%	10.0%	5.0%	1.0%	Loaded Weight (lbs)	25.0%	20.0%	15.0%	10.0%	5.0%	1.0%
Basalt	3,300	95,700	196,300	7.5	10.0	13.0	24.5	33.0	208,460	7.0	10.0	10.0	18.5	25.0	34.0
Granite - broken	2,800	81,200	181,800	7.5	10.0	13.0	33.0	33.0	193,960	7.0	10.0	10.0	18.5	34.0	34.0
LS - broken	2,600	75,400	176,000	7.5	10.0	13.0	33.0	33.0	188,160	7.0	10.0	10.0	18.5	34.0	34.0
LS - crushed	2,600	75,400	176,000	7.5	10.0	13.0	33.0	33.0	188,160	7.0	10.0	10.0	18.5	34.0	34.0
Sandstone	2,550	73,950	174,550	7.5	10.0	13.0	33.0	33.0	186,710	7.0	10.0	10.0	18.5	34.0	34.0
Shale	2,100	60,900	161,500	7.5	10.0	18.0	33.0	33.0	173,660	10.0	10.0	13.5	18.5	34.0	34.0
Stone - crushed	2,700	78,300	178,900	7.5	10.0	13.0	33.0	33.0	191,060	7.0	10.0	10.0	18.5	34.0	34.0
Topsoil	1,600	46,400	147,000	7.5	10.0	18.0	33.0	33.0	159,160	10.0	10.0	13.5	18.5	34.0	34.0
			Empty	10.0	18.0	24.5	33.0	33.0	Empty	10.0	10.0	13.5	18.5	34.0	34.0

0 Source: Caterpillar Performance Handbook Edition 34
0

Productivity - Scrapers (cont.)

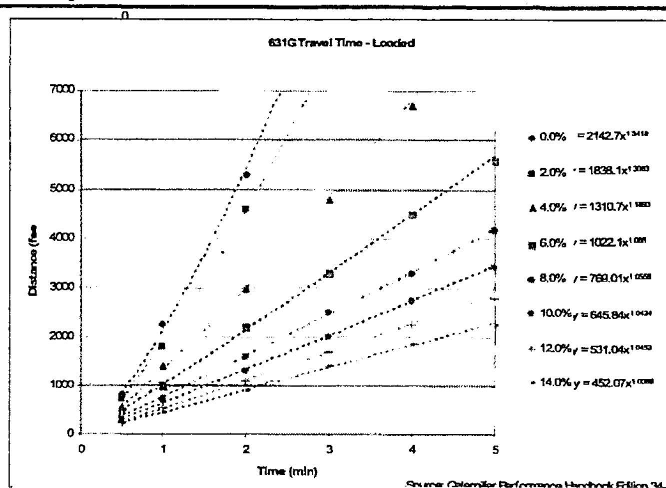
0

631G Scraper Travel Time - Uphill Loaded

Total Resistance (%) (rolling + grade)	Time (min) 0.5	1	2	3	4	5	*k*	*p*
0.0%	825	2250	5300				2142.7	1.3418
2.0%	750	1800	4600				1838.1	1.3083
4.0%	550	1400	3000	4800	6700		1310.7	1.1893
6.0%	490	1000	2200	3300	4500	5600	1022.1	1.066
8.0%	375	750	1600	2500	3300	4200	769.01	1.0558
10.0%	300	700	1300	2000	2750	3450	645.84	1.0424
12.0%	250	550	1100	1700	2250	2800	531.04	1.0453
14.0%	225	450	900	1400	1850	2250	452.07	1.0089

Travel Time (min) = $\sqrt[p]{\frac{\text{distance}}{k}}$

Source: Caterpillar Performance Handbook Edition 35

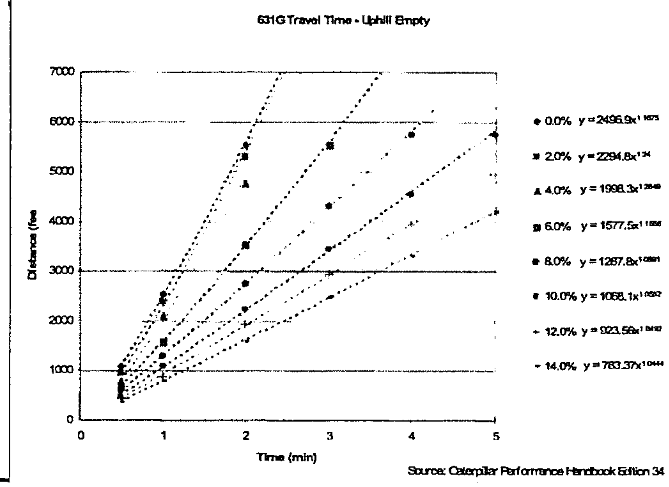


631G Scraper Travel Time - Uphill Empty

Total Resistance (%) (rolling + grade)	Time (min) 0.5	1	2	3	4	5	*k*	*p*
0.0%	1100	2550	5550				2496.9	1.1675
2.0%	950	2400	5300				2294.8	1.24
4.0%	800	2100	4750				1998.3	1.2849
6.0%	700	1600	3550	5550			1557.5	1.1566
8.0%	600	1300	2750	4300	5750		1287.8	1.0891
10.0%	500	1100	2250	3450	4550	5750	1068.1	1.0552
12.0%	450	900	1950	2950	3950	4950	923.56	1.0492
14.0%	375	800	1600	2500	3300	4200	783.37	1.0444

Travel Time (min) = $\sqrt[p]{\frac{\text{distance}}{k}}$

Source: Caterpillar Performance Handbook Edition 35



JA3919

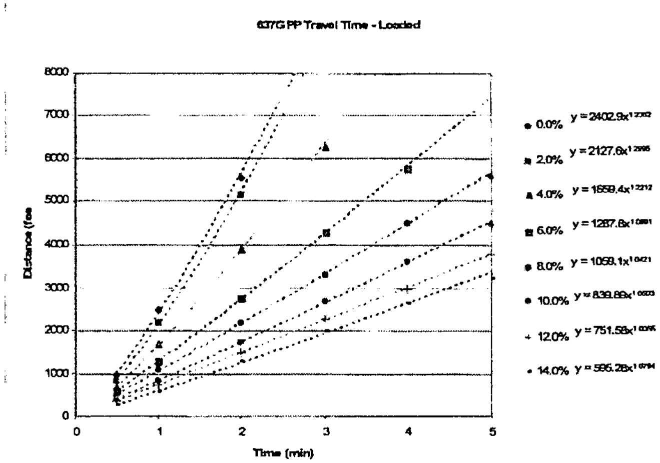
Productivity - Scrapers (cont.)

637G Push-Pull Scraper Travel Time - Uphill Loaded

Total Resistance (%) (rolling + grade)	Time (min) 0.5	1	2	3	4	5	*k*	*p*
0.0%	1000	2500	5550				2402.9	1.2362
2.0%	850	2200	5150				2127.6	1.2995
4.0%	700	1700	3900	6250			1659.4	1.2212
6.0%	600	1300	2750	4300	5750		1287.8	1.0891
8.0%	500	1100	2200	3300	4500	5600	1059.1	1.0421
10.0%	400	850	1750	2700	3600	4475	839.89	1.0503
12.0%	375	750	1500	2300	3000	3800	751.58	1.0055
14.0%	275	600	1300	2000	2650	3250	595.28	1.0794

Travel Time (min) = $\sqrt[p]{\frac{\text{distance}}{k}}$

Source: Caterpillar Performance Handbook Edition 35



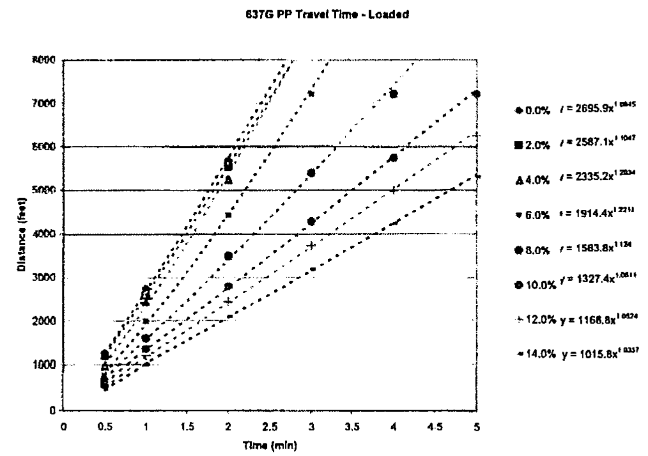
Source: Caterpillar Performance Handbook Edition 34

637G Push-Pull Scraper Travel Time - Uphill Empty

Total Resistance (%) (rolling + grade)	Time (min) 0.5	1	2	3	4	5	*k*	*p*
0.0%	1250	2750	5700				2695.9	1.0945
2.0%	1200	2600	5550				2587.1	1.1047
4.0%	990	2450	5250				2335.2	1.0234
6.0%	800	2000	4450	7216			1914.4	1.2211
8.0%	700	1600	3500	5400	7216		1563.8	1.124
10.0%	625	1350	2800	4300	5750	7216	1327.4	1.0611
12.0%	550	1200	2450	3750	5000	6250	1168.8	1.0524
14.0%	495	1010	2100	3200	4250	5300	1015.8	1.0337

Travel Time (min) = $\sqrt[p]{\frac{\text{distance}}{k}}$

Source: Caterpillar Performance Handbook Edition 35



Source Caterpillar Performance Handbook Edition 34

Productivity - Haul Trucks

Haul Truck Specifications

Description	769D	777D
Chassis Weight	53,506 lb	111,575 lb
Body Weight	17,200 lb	36,788 lb
Standard Liner Weight		
Total Truck Weight	70,706 lb	148,363 lb
Payload Capacity		
Struck	21.6 cy	55 cy
Heaped	31.7 cy	78.6 cy
Average	26.65 cy	66.8 cy
Maneuver to Load Time	0.7 min	0.7 min
Maneuver and Dump Time	1.1 min	1.1 min
Job Efficiency	0.83	0.83
Rolling Resistance**	2.5%	2.5%

**A firm, smooth, rolling roadway with dirt or light surfacing, flexing slightly

Source: Caterpillar Performance Handbook Edition 35

Weight of Materials / Downhill Haul Truck Speed - Grade Retarding vs. Effective Grade (Grade - Rolling Resistance)

Material	lb/cy	Truck (769D) Load lb	Truck (777D) Load lb	769D Loaded Weight (lbs)	769D 20.0%	769D 15.0%	769D 10.0%	769D 5.0%	777D Loaded Weight (lbs)	777D 20.0%	777D 15.0%	777D 10.0%	777D 5.0%
Basalt	3,300	87,945	220,440	158,651	11.0	11.0	11.0	20.0	368,803	7.0	7.0	12.0	21.0
Granite - broken	2,800	74,620	187,040	145,326	11.0	11.0	15.0	26.0	335,403	7.0	9.0	12.0	29.0
LS - broken	2,600	69,290	173,680	139,996	11.0	1.0	15.0	26.0	322,043	7.0	9.0	12.0	29.0
LS - crushed	2,600	69,290	173,680	139,996	11.0	11.0	15.0	26.0	322,043	7.0	9.0	12.0	29.0
Sandstone	2,550	67,958	170,340	138,664	11.0	11.0	15.0	26.0	318,703	7.0	9.0	16.0	29.0
Shale	2,100	55,965	140,280	126,671	11.0	11.0	15.0	26.0	288,643	7.0	9.0	16.0	29.0
Stone - crushed	2,700	71,955	180,360	142,661	11.0	11.0	15.0	26.0	328,723	7.0	9.0	12.0	29.0
Topsoil	1,600	42,640	106,880	113,346	11.0	11.0	15.0	26.0	255,243	9.0	12.0	16.0	29.0
				Empty	15.0	15.0	26.0	36.0	Empty	16.0	16.0	29.0	39.0

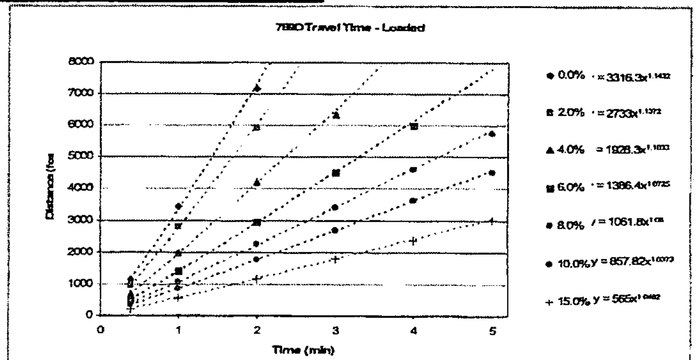
Source: Caterpillar Performance Handbook Edition 35

769D Haul Truck Travel Time - Uphill Loaded

Total Resistance (%) (rolling + grade)	Time (min) 0.4	1	2	3	4	5	k	p
0.0%	1148	3428	7183				3316.3	1.1422
2.0%	951	2821	5904				2733	1.1372
4.0%	689	1984	4198	6330			1928.3	1.1033
6.0%	508	1427	2952	4510	6002		1386.4	1.0725
8.0%	394	1082	2263	3411	4592	5740	1061.8	1.06
10.0%	328	869	1771	2690	3608	4510	857.82	1.0373
15.0%	213	574	1181	1804	2394	3018	565	1.0482

$$\text{Travel Time (min)} = \sqrt[p]{\frac{\text{distance}}{k}}$$

Source: Caterpillar Performance Handbook Edition 35



Source: Caterpillar Performance Handbook Edition 34

Nevada Standardized Bond Calculation
Productivity

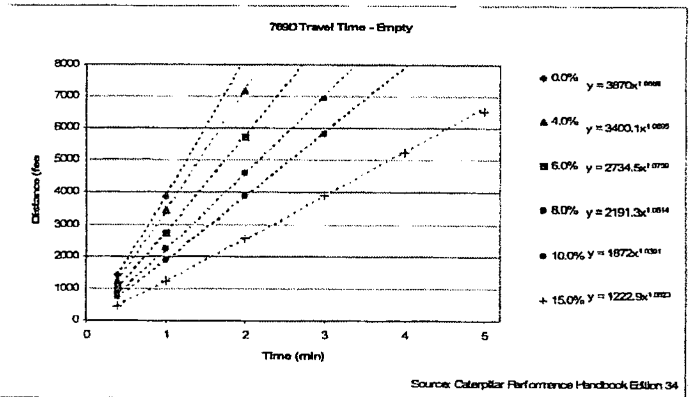
Productivity - Haul Trucks (cont.)

769D Haul Truck Travel Time - Uphill Empty

Total Resistance (%) (rolling + grade)	Time (min) 0.4	1	2	3	4	5	*k*	*p*
0.0%	1427	3870					3870	1.0888
4.0%	1246	3444	7183				3400.1	1.0895
6.0%	1017	2755	5740				2734.5	1.0759
8.0%	820	2230	4592	6954			2191.3	1.0614
10.0%	722	1870	3870	5838			1872	1.0391
15.0%	459	1246	2558	3903	5248	6560	1222.9	1.0523

$$\text{Travel Time (min)} = \sqrt[p]{\frac{\text{distance}}{k}}$$

Source: Caterpillar Performance Handbook Edition 35

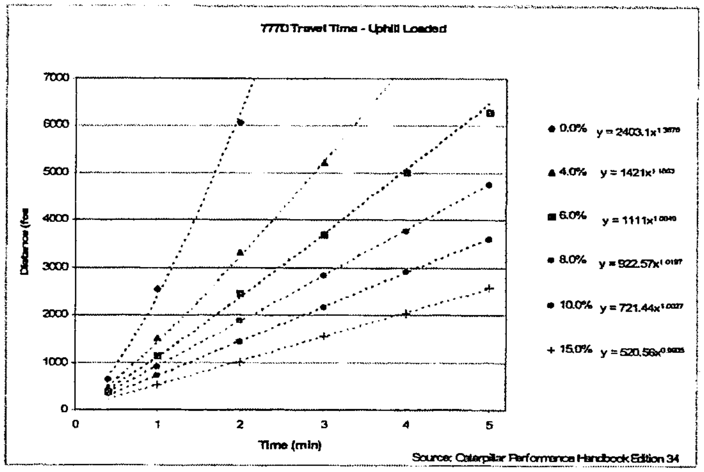


777D Haul Truck Travel Time - Uphill Loaded

Total Resistance (%) (rolling + grade)	Time (min) 0.4	1	2	3	4	5	*k*	*p*
0.0%	656	2558	6068				2403.1	1.3876
4.0%	459	1509	3313	5215	7085		1412	1.1863
6.0%	394	1148	2460	3706	5018	6298	1111	1.0949
8.0%		918	1886	2837	3772	4756	922.57	1.0197
10.0%		722	1443	2165	2919	3608	721.44	1.0027
15.0%		525	1017	1558	2034	2591	520.56	0.9905

$$\text{Travel Time (min)} = \sqrt[p]{\frac{\text{distance}}{k}}$$

Source: Caterpillar Performance Handbook Edition 35



Nevada Standardized Bond Calculation
Productivity

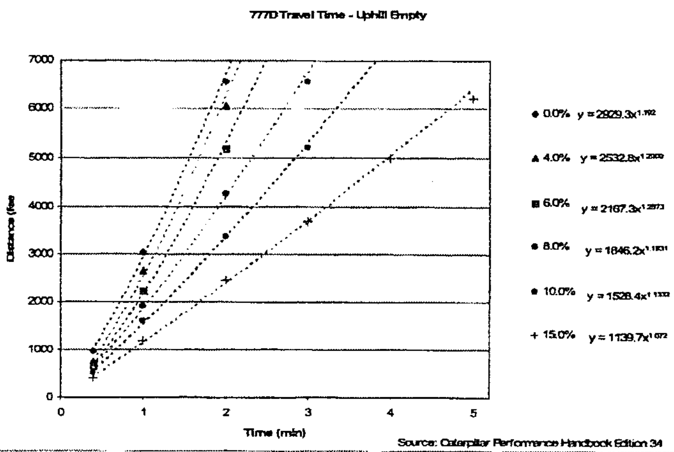
Productivity - Haul Trucks (cont.)

777D Haul Truck Travel Time - Uphill Empty

Total Resistance (%) (rolling + grade)	Time (min)						k	p
	0.4	1	2	3	4	5		
0.0%	968	3034	6560				2929.3	1.192
4.0%	754	2657	6068				2532.8	1.2999
6.0%	656	2247	5182				2167.3	1.2873
8.0%	607	1935	4248	6560			1846.2	1.1831
10.0%	525	1607	3378	5215	7282		1528.4	1.1332
15.0%	410	1197	2460	3706	4986	6232	1139.7	1.072

$$\text{Travel Time (min)} = \sqrt[p]{\frac{\text{distance}}{k}}$$

Source: Caterpillar Performance Handbook Edition 35



Source: Caterpillar Performance Handbook Edition 34

Nevada Standardized Bond Calculation
Productivity

Productivity - Wheel Loaders

Wheel Loader Specifications

Description	928G	966G	972G	988G	992G
Payload Capacity					
Struck	2.5 cy	4.46 cy	4.71 cy	6.9 cy	13.2 cy
Heaped	3.25 cy	5 cy	5.5 cy	8.33 cy	16 cy
Average	2.88 cy	4.73 cy	5.11 cy	7.62 cy	14.60 cy
Matched Truck	N/A	N/A	N/A	769D	777D
Average Cycle Time	0.45 min	0.50 min	0.50 min	0.55 min	0.60 min
Passes to Fill Truck	N/A	N/A	N/A	4	5
Time to Fill Truck	N/A	N/A	N/A	2.29	3.23
Rolling Resistance**	2.5%	2.5%	2.5%	2.5%	2.5%

**A firm, smooth, rolling roadway

Source: Caterpillar Performance Handbook Edition 35

Wheeled Loaders	General Purpose	Spade Nose-Rock
928G	3.25 cubic yard	not available
966G	5.0 cubic yard	not available
972G	5.5 cubic yard	not available
988G	not available	8.3 cubic yard
992G	not available	16.0 cubic yard

note: capacities are 2:1 heaped, SAE standards

NOTES: Buckets for both Track Excavators and Wheel Loaders are offered by CECo & available for the rental rates quoted. Bucket sizes and capacities obtained from CATERPILLAR PERFORMANCE HANDBOOK, ED 34; Section 12, Wheel Loader and Section 4, Excavators Bucket capacity and width dictated by material weight and configuration, ie., shot, loose, tight bank, stockpile, rock, etc. Typical Nevada applications were used to determine above bucket capacities as related to materials & densities. Job site specifics may alter specific bucket requirements. (Cashman Equipment, Elko, Nevada - February 21, 2005)

Productivity - Motor Graders

Motor Grader Specifications

Description	14G/H	16G/H
Grader Width	9.25 ft	10.08 ft
Blade Width	14.00 ft	16.00 ft
Ripper Width (7 shanks)	8.50 ft	9.75 ft
Road Maintence Speed		
Minimum	3.0 mph	3.0 mph
Maximum	9.5 mph	9.5 mph
Average	6.3 mph	6.3 mph
Hourly Production	33000 ft	33000 ft
Ripping Speed	1.0 mph	1.0 mph
Minimum	0.0 mph	0.0 mph
Maximum	3.0 mph	3.0 mph
Average	1.5 mph	1.5 mph
Hourly Production (less manuever time)	7920 ft	7920 ft
Maneuver time per pass	0.5 min	0.5 min

Source: Caterpillar Performance Handbook Edition 35

Productivity - Excavators

Track Excavator Specifications				
Description	320C	325C	345B	385BL
Bucket Capacity	1.57 cy	2.22 cy	3 cy	7.3 cy
Fill Factor	0.90	0.90	0.90	0.90
Average Bucket Load	1.413 cy	1.998 cy	2.7 cy	6.57 cy
Soil Type	hard clay	hard clay	hard clay	hard clay
Job Condition	med-hard	med-hard	med-hard	med-hard
Cycle Times (minutes) - based on hard clay				
Load Bucket	*0.09*	*0.09*	*0.13*	*0.19*
Swing Loaded	*0.06*	*0.06*	*0.07*	*0.06*
Dump Bucket	*0.03*	*0.04*	*0.02*	*0.03*
Swing Empty	*0.05*	*0.06*	*0.06*	*0.07*
Total Cycle Time	0.23	0.25	0.28	0.35
Job Efficiency	0.83	0.83	0.83	0.83
Operator Efficiency (Average)	0.75	0.75	0.75	0.75
Corrected Productivity (LCY/hr)	229 cy	299 cy	360 cy	701 cy

Source: Caterpillar Performance Handbook Edition 35

Track Excavators	Hvy Duty Rock	Extreme Service Exc (e.g. haulroad recontour)	Hvy Duty Trench
320C	30" .78 cubic yd	55.1", 1.57 cubic yard	23.6", .54 yard
325C	36", 1.25 cubic yd	60", 2.22 cubic yard	30", .88 cubic yard
345B	43.2", 1.69 cubic yd	65", 3.0 cubic yd	48", 2.09 cubic yd
385BL	85", 6.30 cubic yd.	96.0, 7.30 cubic yd	57", 2.75 cuic yd

note: capacities are 2:1 heaped, SAE standards

NOTES: Buckets for both Track Excavators and Wheel Loaders are offered by CECo & available for the rental rates quoted. Bucket sizes and capacities obtained from CATERPILLAR PERFORMANCE HANDBOOK, ED 34; Section 12, Wheel Loader and Section 4, Excavators Bucket capacity and width dictated by material weight and configuration, ie., shot, loose, tight bank, stockpile, rock, etc. Typical Nevada applications were used to determine above bucket capacities as related to materials & densities. Job site specifics may alter specific bucket requirements (Cashman Equipment, Elko, Nevada - February 21, 2005)

Concrete Breaking Production

Track Excavator w/Hammer Specifications			
Description	325C	345B	385B
Hydraulic Hammer	H120D s	H160D s	H180D s
Material	reinforced concrete		
Min Shift Production (8hr)	160 cy	300 cy	350 cy
Max Shift Production (8hr)	300 cy	850 cy	1550 cy
Avg Shift Production (8hr)	230 cy	575 cy	950 cy
Job Efficiency	0.83	0.83	0.83

Source: Caterpillar Performance Handbook Edition 35

Drill Hole Plugging Productivity

Drill Hole Plugging Productivity		
Description	Drill Rig	Pump Rig
Perforating (water wells)		
1-inch hole	300 ft/hr	
2-inch hole	300 ft/hr	
4-inch hole	300 ft/hr	
6-inch hole	300 ft/hr	
8-inch hole	250 ft/hr	
12-inch hole	175 ft/hr	
18-inch hole	40 ft/hr	
Inert Material Placement (backfill)		
Grouting/Cement		5.33 cy/hr
Cuttings (see below)		3.50 cy/hr
		WDC Exploration, Sept 2004

Cuttings Placement Productivity	
Shift productivity (Means 02210-700-0120; Crew B11M)	28 cy / shift
Shift length	8 hours
Estimated Hourly Productivity	3.5 cy / hour

Bond Calculation
Seed Mixture

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: October 25, 2005
File Name: Mount Hope Notice_102505_ Beta 3b.xls

Seed Mixture

Common Name	Scientific Name	Species Number of Seeds / lb	Species % In Mix	PLS/acre	Cost/Lb	Cost/Acre
Grasses						
Ephraim Crested Wheatgrass	*Agropyron Cristatum var. Ephraim*			*0.5*	*$1.87*	$0.94
Thickspike Wheatgrass	*Agropyron dasystrachyum*	*154,000*	*4.4*	*0.5*	*$2.40*	$1.20
Bluebunch Wheatgrass	*Agropyron spicatum*	*117,000*	*23.42*	*3.5*	*$6.60*	$23.10
Great Basin Wildrye	*Elymus cinereus*	*95,000*	*8.15*	*2.5*	*$10.20*	$25.50
Big Bluegrass	*Poa ampla*	*917,000*	*13.11*	*0.25*	*$2.47*	$0.62
Indian Ricegrass	*Oryzopsis hymenoides*	*188,000*	*5.38*	*0.5*	*$7.80*	$3.90
Sandberg Bluegrass	*Poa secunda*	*925,000*	*13.23*	*0.25*	*$6.00*	$1.50
Forbs						
Blue Flax				*0.25*	*$4.80*	$1.20
Small Burnet	*Sanguisorba minor*	*55,000*	*1.57*	*0.5*	*$1.73*	$0.87
Forage Kochia	*Kochia prostrata var. Immigrant*	*407,700*	*2.33*	*0.1*	*$18.00*	$1.80
Palmer Penstemon	*Penstemon palmeri*	*610,000*	*3.49*	*0.1*	*$22.00*	$2.20
Shrubs						
Fourwing Saltbush	*Atriplex canescens*	*52,000*	*5.95*	*0.75*	*$9.60*	$7.20
Antelope Bitterbrush	*Purshia tridentate*	*15,000*	*0.43*	*1*	*$33.60*	$33.60
Winterfat	*Eurotia lanata*	*111,000*	*1.59*	*0.25*	*$34.62*	$8.66
Wyoming Big Sagebrush	*Artemesia tridentata wyomingensis*	*2,500,000*	*7.15*	*0.05*	*$66.00*	$3.30
Total				11.0		$115.57

Source:

Notes:

CERTIFICATE OF SERVICE

Pursuant to NRAP Rule 25(1)(c), I hereby certify that I am an employee of ALLISON, MacKENZIE, PAVLAKIS, WRIGHT & FAGAN, LTD., Attorneys at Law, and that on this date, I caused a CD-ROM version of same to be served to all parties to this action by:

____	Placing a true copy thereof in a sealed postage prepaid envelope in the United States Mail in Carson City, Nevada
____	Hand-delivery - via Reno/Carson Messenger Service
____	Facsimile
____	Federal Express, UPS, or other overnight delivery
X	E-filing pursuant to Section IV of District of Nevada Electronic Filing Procedures

fully addressed as follows:

Bryan L. Stockton bstockton@ag.nv.gov
Senior Deputy Attorney General's Office
Nevada Attorney General's Office
100 North Carson Street
Carson City, NV 89701

Ross E. de Lipkau rdelipkau@parsonsbehle.com
Parsons Behle & Latimer
50 West Liberty Street, Ste 750
Reno, NV 89501

Therese A. Ure t.ure@water-law.com
Laura A. Schroeder schoeder@water-law.com
Schoeder Law Offices, P.C.
400 Marsh Avenue
Reno, NV 89509

_X__ Placing a true copy of a CD-ROM version thereof in a sealed postage prepaid envelope in the United States Mail in Carson City, Nevada

fully addressed as follows:

John R. Zimmerman jzimmerman@parsonsbehle.com
Parsons Behle & Latimer
50 West Liberty Street, Ste 750
Reno, NV 89501

Francis M. Wikstrom
Parsons Behle & latimer
201 South Main Street, Ste 1800
Salt Lake City, UT 84111

DATED this 21st day of December, 2012.

/s/ Nancy Fontenot

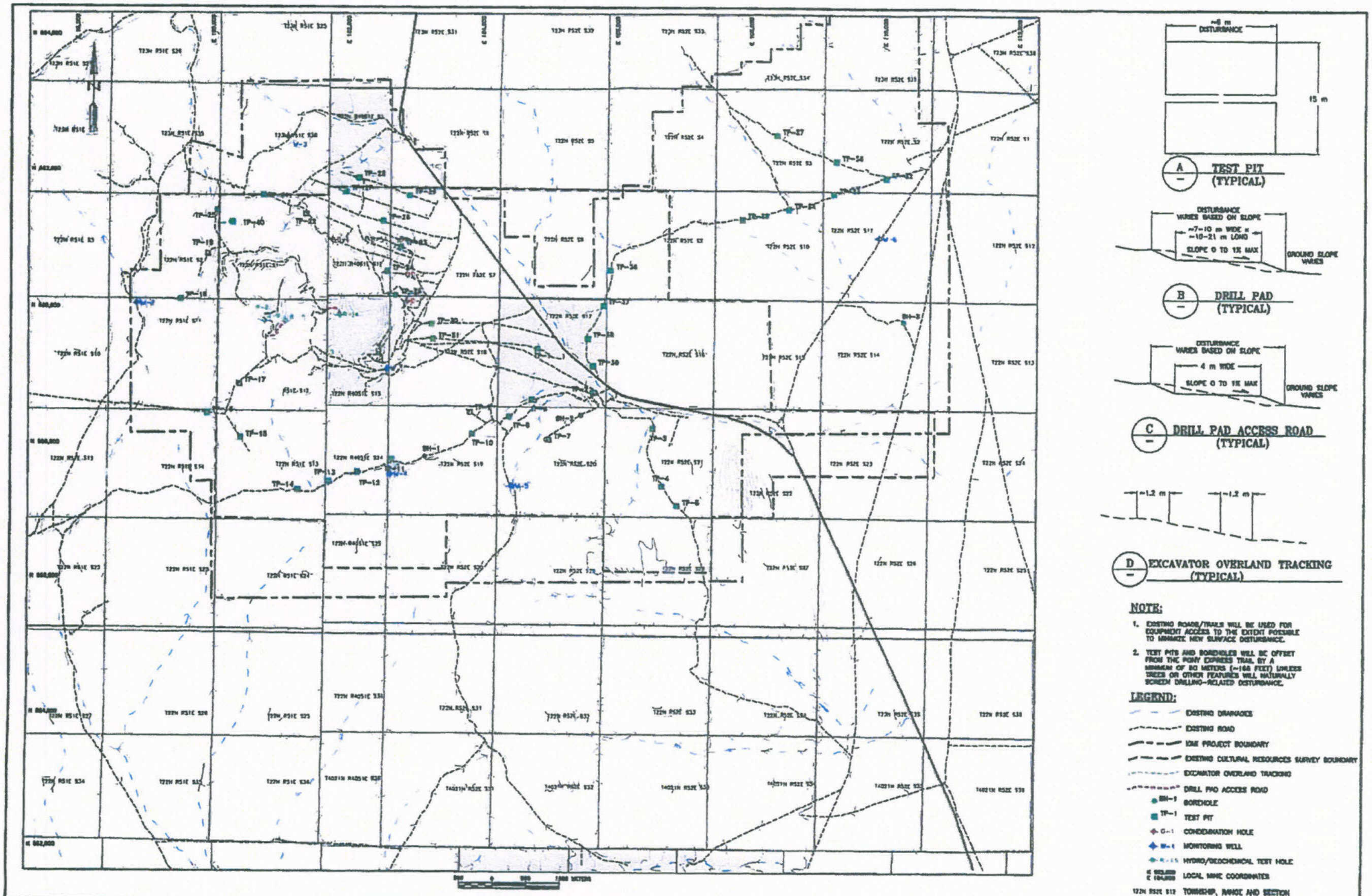


Figure 2. Project Area for Notice Level Drilling - Amendment 1

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Mount Lewis Field Office
50 Bastian Road
Battle Mountain, Nevada 89820
http://www.nv.blm.gov/battlemountain
(775) 635-4000 or bmfoweb@nv.blm.gov

TAKE PRIDE IN AMERICA

Imarine 1/6/2010
J Drummond 1/6/10

In Reply Refer To:
3809 (NVB0630)
NVN-081485
NVN-080914

JAN 7 2010

CERTIFIED MAIL: 7008 0150 0001 6434 4533 **RETURN RECEIPT REQUESTED**

Eureka Moly
Pat Rogers
2215 N. 5th Street
Elko, NV 89801

Dear Mr. Rogers:

The following is a list of Notices that will be expiring in February unless you extend your notice under 43 CFR 3809.333. You may extend your notice for an additional 2 years by notifying this office in writing on or before the expiration date and meet the financial guarantee requirements of 43 CFR 3809.503. You may extend your notice more than once.

Case File Number	Project Name	Expiration Date
NVN-081485	Mt. Hope Mine	February 26, 2010
NVN-080914	Mt. Hope East	February 26, 2010

In addition to the written notice for extension, you must submit an updated reclamation cost estimate as well as any changes to information pertaining to the operator or operation contained within the original notice. You must prepare the revised cost estimate as if the BLM were hiring a third-party contractor to perform reclamation of the operations after the project area has been vacated.

If your notice is allowed to expire, pursuant to 43 CFR 3809.335, you must cease operations, except reclamation, and complete the reclamation promptly according to your notice. Your reclamation obligations continue beyond the expiration or any termination of your notice. The BLM will keep your financial guarantee until you have satisfied all reclamation requirements. If you abandon your notice without completing reclamation, BLM may initiate forfeiture of your financial guarantee under 43 CFR 3809.595.

Enclosed is a two page 3809 Notice Checklist. If you need assistance in submitting any of the required information or if you have any questions, please contact Leesa Marine, Land Law Examiner, at (775) 635-4159 and she will be happy to assist you.

Sincerely,

/s/ Douglas W. Furtado

Douglas W. Furtado
Field Manager
Mount Lewis Field Office

Enclosure

LMARINE:01/31/2008:lm\\blm\dfs\nv\bm\pub\nonrenewable\minerals\letters\LETTERS FINALIZED\NOTICE FORM LETTERS\NOTICES EXPIRING\Eureka Moly\2010_Eureka Moly_NVN 081485_NVN 80914.docx

NV260

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Nevada State Office
P.O. Box 12000 (1340 Financial Blvd.)
Reno, Nevada 89520-0006
http://www.blm.gov/nv/st/en.html

TAKE PRIDE IN AMERICA

MAY 18 2009

In Reply Refer To:
3809 (NV923z)

DECISION

Obligor:		
Eureka Moly, LLC	BLM Bond Number:	NVB000912
1726 Cole Blvd., Suite 115	Bond Amount Accepted:	$817,331
Lakewood, CO 80401		

Obligation Under Bond Adjusted

The BLM Nevada State Office (NSO) currently holds BLM bond number NVB000912 with Eureka Moly, LLC, as principal, in the amount of $817,331. The bond provides coverage for surface reclamation activities on operations conducted by Eureka Moly, LLC on lands in Nevada under the regulations at 43 CFR 3809.

On May 6, 2009, the BLM Mount Lewis Field Office reduced the reclamation cost estimate on N-87312, the Mount Hope West Project, to $92,592. Effective the date of this Decision, the reduced amount of $92,592 is obligated to BLM bond number NVB000912 for N-87312.

On May 8, 2009, the BLM Mount Lewis Field Office increased the reclamation cost estimate on N-80914, the Mount Hope East Project, to $117,844. Effective the date of this Decision, the increased amount of $117,844 is obligated to BLM bond number NVB000912 for N-80914.

Notices obligated to BLM bond number NVB000912 are shown in the table below.

Operations Number	Operations Name	Bond Amount Obligated
N-80914	**Mount Hope East**	**$ 117,844**
N-81485	Tails #2	$ 90,066
N-81811	Kobeh Valley Central-C	$ 152,879
N-83245	Kobeh Valley Central-B	$ 160,102
N-83246	Kobeh Valley Central-A	$ 84,383
N-87312	**Mount Hope West**	**$ 92,592**
Total Obligations Under NVB000912		**$ 697,866**

Considering the bond amounts accepted and obligated, $119,465 remains available under BLM bond number NVB000912 for new operations or amendments to existing operations.

If you have any questions, please call Lacy Trapp at 775-861-6599, or send electronic mail to Lacy_Trapp@nv.blm.gov.

Elaine M. Lewis

FOR Atanda Clark
Chief, Branch of Minerals Adjudication

cc:
General Moly Inc.
Attn: Brian Musser
2215 N. 5th St.
Elko, NV 89801

NV060 (CStrickland)
NV920 (SMurrellwright)

80714

Return Receipt

Your document:	Notice Amendment NVN-080914 09-1A
was received by:	Daniel Tecca/BMFO/NV/BLM/DOI
at:	04/24/2009 12:50:42 PM

Return Receipt

Your document:	Notice Amendment NVN-080914 09-1A
was received by:	Michael Vermeys/BMFO/NV/BLM/DOI
at:	04/24/2009 12:57:15 PM

Return Receipt

Your document:	Notice Amendment NVN-080914 09-1A
was received by:	Casey Strickland/BMFO/NV/BLM/DOI
at:	04/24/2009 01:00:29 PM

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Your document:	Notice Amendment NVN-080914 09-1A
was received by:	Casey Strickland/BMFO/NV/BLM/DOI
at:	04/24/2009 01:00:29 PM

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Your document:	Notice Amendment NVN-080914 09-1A
was received by:	Robert Hassmiller/BMFO/NV/BLM/DOI
at:	04/24/2009 01:00:47 PM

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Your document:	Notice Amendment NVN-080914 09-1A
was received by:	Shawna Richardson/BMFO/NV/BLM/DOI
at:	04/24/2009 01:57:19 PM

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Your document:	Fw: Notice Amendment NVN-080914 09-1A
was received by:	Thomas Darrington/BMFO/NV/BLM/DOI
at:	04/24/2009 02:07:32 PM

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Your document:	Notice Amendment NVN-080914 09-1A
was received by:	Cory Gardner/BMFO/NV/BLM/DOI
at:	04/27/2009 07:36:50 AM

Return Receipt

Your document:	Notice Amendment NVN-080914 09-1A
was received by:	Charles Lane/BMFO/NV/BLM/DOI
at:	04/27/2009 08:24:42 AM

Return Receipt

Your document:	Notice Amendment NVN-080914 09-1A
was received by:	Duane Crimmins/BMFO/NV/BLM/DOI
at:	04/27/2009 09:33:30 AM

Return Receipt

Your document:	Notice Amendment NVN-080914 09-1A
was received by:	Stephen Drummond/BMFO/NV/BLM/DOI
at:	04/27/2009 01:10:43 PM

Return Receipt

Your document:	Notice Amendment NVN-080914 09-1A
was received by:	Lisa Walker/BMFO/NV/BLM/DOI
at:	04/28/2009 08:40:43 AM

80914

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Mount Lewis Field Office
50 Bastian Road
Battle Mountain, Nevada 89820
http://www.nv.blm.gov/battlemountain
(775) 635-4000 or bmfoweb@nv.blm.gov

TAKE PRIDE® IN AMERICA

C. [illegible] 2/24/10
[illegible] 2/24/10

In Reply Refer To:
NVN-080914
3809 (NVB0630)

march fw
FEB 09 2010

CERTIFIED MAIL NO: 7006 2150 0000 0370 2025 RETURN RECEIPT REQUESTED

DECISION

Eureka Moly LLC Attn: Carrie Dubray, Sr. Environmental Coordinator 2215 North 5th St. Elko, NV 89801	Surface Management

Determination of Required Financial Guarantee Amount

On February 19, 2010, Eureka Moly LLC (EML) submitted a Notice extension for the Mt. Hope East Project, Bureau of Land Management (BLM) case file number NVN-080914. The Project is located in MDB&M., T. 22 N., R. 51 E., sections 1, 2, and 12-14, T. 22 N., R. 51.5 E., sections 1, 12, 13, and 24, and T. 22 N., R. 52 E., sections 2, 3, 7, 9-11, and 17-21.

Based on your description of the disturbance associated with your Notice, no change has been made from the permitted 3.45 acres. The Notice extension documentation has been reviewed and satisfies the requirements of 43 CFR §3809.333. The Notice is conditionally extended subject to meeting the financial guarantee requirements.

Cultural Resources - The Native American Graves Protection and Repatriation Act (NAGPRA: 43 CFR 10), protects items of cultural patrimony, Native American funerary items, Native American remains and sacred objects. In addition, The Archaeological Resources Protection Act (ARPA: 43 CFR 7.4, 7.14, 7.15, 7.16) provides for civil and/or criminal penalties for the disturbance of archaeological resources on federal lands and if such disturbance is the result of EML activities, EML could be liable for such damages. If cultural resources, Native American remains, funerary items, sacred items, or objects of cultural patrimony are discovered, you must cease operations in the vicinity of the discovery and ensure adequate protection to the discovery, then notify the BLM immediately, by telephone, with written confirmation to follow (43 CFR 10.4 (c), (d), (g); Nevada State Protocol Agreement VIII (b)). Notification should be made to Doug Furtado, Field Manager, Mt. Lewis Field Office, 50 Bastian Road, Battle Mountain, NV, 89820, (775 – 635 – 4000). No activity in the vicinity of the discovery should resume until you have been issued a Notice to Proceed by the Authorized Officer.

Protection and Preservation of Public Land Survey System Monuments - As directed in 43 CFR 3809.420 – Surface Management - (b)(9) *Protection of survey monuments,* it is your responsibility to bear the cost of any necessary restoration or reestablishment activity of the affected monument(s). Correspondingly, in the course of any accepted surface disturbance activity when Public Land Survey System Monuments/Cadastral corners or accessories that may or have been subject to obliteration, destruction, or damage, it will be your responsibility to protect and preserve the monumentation. Further clarification can be found in Nevada BLM's Instruction Memorandum No. NV-2007-003 www.nv.blm.gov.

Amount of Financial Guarantee – This office has reviewed the Reclamation Cost Estimate and determined that the amount of **$76,168** is sufficient to meet all anticipated reclamation requirements. The amount of the reclamation cost estimate was based on the operator complying with all applicable operating and reclamation requirements.

All line items contained in the approved reclamation cost estimate are not to be considered as the limits of financial guarantee expenditures in that respective category or task should forfeiture of the financial guarantee be necessary. The line items listed are solely for the purpose of arriving at a total amount for the financial guarantee. This total amount may be spent however the BLM deems necessary to implement the approved reclamation plan and does not represent a reclamation cost limit or constraint.

BLM's review of your proposed operations, determination that your Notice extension filing is complete, determination that your operations as proposed will not cause unnecessary or undue degradation, and decision concerning the amount of the required financial guarantee does not relieve you, the operator, of your responsibility to be in compliance with all applicable Federal, State and local laws and regulations, and to obtain all applicable Federal, State and local authorizations and permits. You are responsible for preventing any unnecessary or undue degradation of public lands and resources, and for reclaiming all lands disturbed by your operations.

Required Financial Guarantee – Within 60 days of receipt of this Decision, submit an acceptable financial guarantee in the amount of **$76,168** to the Bureau of Land Management, Branch of Minerals Adjudication, P.O. Box 12000, Reno, NV 89520-0006. **Failure to meet that condition will result in the Notice expiring immediately upon conclusion of the timeframe and all activities, other than reclamation, are unauthorized and must cease.**

The types of financial instruments that are acceptable to the BLM are found at 43 CFR 3809.555. Please contact the Branch of Minerals Adjudication at 775-861-6400 for further information on the adjudication of financial guarantees.

This decision does not constitute: certification of ownership to any entity named in the Notice; recognition of the validity of any associated mining claims; or recognition of the economic feasibility of the proposed operations.

Term of Notice - Your Notice will remain in effect for 2 years from the date of this decision, unless you notify this office beforehand that operations have ceased and reclamation is complete. If you wish to conduct operations for another 2 years after the expiration date of your Notice, you must notify this office in writing on or before the expiration date as required by 43 CFR 3809.333.

Appeal of the Decision - If you do not agree and are adversely affected by this decision, you may request that the Nevada BLM State Director review this decision. If you request a State Director Review, the request must be received in the Nevada BLM State Office at P.O. Box 12000, Reno, Nevada, 89520-0006, no later than 30 calendar days after you receive or have been notified of this decision. The request for State Director Review must be filed in accordance with the provisions 43 CFR 3809.805. This decision will remain in effect while the State Director Review is pending, unless the State Director grants a Stay. If you request a Stay, you have the burden of proof to demonstrate that a Stay should be granted.

If the State Director does not make a decision on your request for review of this decision within 21 days of receipt of the request, you should consider the request declined and you may appeal this decision to the Interior Board of Land Appeals (IBLA). You may contact the BLM State Office to determine when BLM received the request for State Director Review. You have 30 days from the end of the 21-day period in which to file your Notice of Appeal with this office at 50 Bastian Road, Battle Mountain, NV, 89820, which we will forward to IBLA.

If you wish to bypass the State Director Review, this decision may be appealed directly to the IBLA in accordance with the regulations at 43 CFR 3809.801(a)(1). Your Notice of Appeal must be filed in this office within 30 days from receipt of this decision. As the appellant, you have the burden of showing that the decision appealed from is in error. Enclosed BLM Form 1842-1 contains further information on taking appeals to the IBLA.

Standards for Obtaining a Stay

Except as otherwise provided by law or other pertinent regulation, a petition for a stay of a decision pending appeal shall show sufficient justification based on the following standards:

1. The relative harm to the parties if the stay is granted or denied,
2. The likelihood of the appellant's success on the merits,
3. The likelihood of immediate and irreparable harm if the stay is not granted, and
4. Whether the public interest favors granting the stay.

Contact - If you have any questions pertaining to this decision, please contact Stephen C. Drummond, Mining Engineer, at (775) 635-4160, or at the above address.

/s/ Douglas W. Furtado

Douglas W. Furtado
Field Manager
Mount Lewis Field Office

Enclosures

cc: Minerals Adjudication Branch
NV923

02/22/2010\\blm\dfs\nv\bm\pub\nonrenewable\minerals\letters\LETTERS FINALIZED\MOUNT HOPE NOTICES\NVN80914_MtHopeEast_2yrrExtension.docx

Carrie Dubray
<cdubray@generalmoly.com>

02/19/2010 11:23 AM

To "Casey_Strickland@blm.gov" <Casey_Strickland@blm.gov>
cc Pat Rogers <progers@generalmoly.com>
bcc
Subject Request of Notice Extensions

RECEIVED
FEB 19 2010

Casey,

Per our conversation on Wednesday, please find attached the PDF versions of the Request of Notice Extensions for Eureka Moly, LLC Exploration Notices NVN 080914 and NVN 081485. The original hard copies will be mailed to your office.

Thank you and I will touch base with you next week to see if you require any additional information.

Regards,
Carrie

Carrie M. Dubray

Sr. Environmental Coordinator
Mount Hope Project

EUREKA MOLY

Eureka Moly, LLC
775-237-7702
cdubray@generalmoly.com

Notice 080914_Request for Extension_20100218.pdf Notice 081485_Extension Request_20100218_.pdf

February 24, 2010

Notice Level Exploration Reclamation Cost Model
From SRCE Cost Data with Acreage Calculators

Mt. Hope East, Eureka Moly, NVN-80914 Extension

SRCE 2009 Cost Data Version 3.2

Linear Feet of Road On a Side Slope	**Linear Feet**		Labor Cost	Manpower	Equipment	Materials	Cost/Linear Foot	Road Reclamation
<30%	589	Recontouring Cost <30%	$63	$0.11	$0.13	$0.00	$0.24	$142
>30%	548	Recontounng Cost >30%	$157	$0.29	$0.36	$0.00	$0.65	$355
Drill Sites and Sumps	**Number**			Manpower	Equipment	Materials	Cost each	Pad& Sump Reclamation
Drill Sites < 30% slopes	18	Recontouring Cost	$602	$34.40	$43.40	$0.00	$77.80	$1,362
Drill Sites > 30% slopes	3	Recontouring Cost	$331	$110.20	$139.20	$0.00	$249.40	$748
Drill Sites Cross Country		Ripping Cost	$0	$11.60	$28.40	$0.00	$40.00	$0
Sumps	18	Recontouring Cost	$372	$21.23	$26.93	$0.00	$48.16	$843
	Linear Feet			Manpower	Equipment	Materials	Cost/Linear Foot	
Trenches	1,125	Recontouring Cost	$1,065	$0.95	$1.74	$0.00	$2.69	$3,023
Cross Country Travel	4,364	Ripping Cost	$51	$0.01	$0.03	$0.00	$0.04	$173
	Slope Acres			Manpower	Equipment	Materials	Cost/Acre	
Total Revegetation Acres	3.50	Revegetation Cost	$273	$78.00	$67.00	$332.75	$477.75	$1,672
				Manpower	Equipment		Mob+Demob	
150 miles Mobilization		Mobilization Cost-excavator	$609	$609.04	$714.96		$1,324.00	$1,324
150 miles Mobilization		Mobilization Cost-dozer	$398	$396.06	$546.94		$943.00	$943
Drill Holes Open	**#/Feet**			Manpower	Equipment	Materials	Cost/Foot	Drill Hole Plugging
Feet of Open Holes - Wet	15375	Plugging Cost - Wet	$6,258	$0.41	$1.04	$0.63	$2.07	$31,872
Feet of Open Holes - Dry		Plugging Cost - Dry	$0	$0.46	$0.23	$0.05	$0.74	$0
Feet of Casing to Pull	2979	Pulling Casing	$4,731	$1.59	$4.06	$0.00	$5.64	$16,810
				Manpower	Equipment		Mob+Demob	
150 miles Mobilization		Mobilization Cost - Wet	$1,050	$1,050.48	$1,867.52		$2,918.00	$2,918
150 miles Mobilization		Mobilization Cost - Dry	$0	$612.95	$330.05		$943.00	$0

Disturbance Type	Total Acres	Total Linear Feet	Slope Acres
Roads	0.55	1,135	0.58
Drill Sites	1.37		1.41
Sumps	0.28		0.28
Trenches	0.62	1,125	0.62
Cross Country	0.60	4,364	0.60
total Notice acres	**3.43**	**total slope acres**	**3.50**

Total Reclamation Cost
$62,185

Total Labor
$15,957

green cells with blue font is for user input	Contingency*	10% Total Reclamation Cost	$0
yellow cells are unit costs	Insurance	1.5% Labor Cost	$239
black font cannot be changed	Perf. And Payment Bonds*	3% Total Reclamation Cost	$0
red font are calculated values with formulas	Contractor Profit	10% Total Reclamation Cost	$6,219
that can not be changed	Contract Administration	10% Total Reclamation Cost	$6,219
	Indirect Costs	21% of Contract Administration Cost	$1,306

* Contingency and Performance and payment Bonds required only if total reclamation cost > $100,000

Total Administration Cost
$13,982

Cost per acre
$22,226

Financial Guarantee Amount
$76,168

Bureau of Land Management Notice Level Reclamation Cost Estimation Worksheet

Costs for this Notice Level Reclamation Cost Estimator are based on values and assumptions used in the Standardized Reclamation Cost Estimator (SRCE) Version 1.1.2
Cost Data are from August 1, 2009. This worksheet is simpler than the SRCE and does not allow the flexibility of entering project specific information in some situations.
The model will generate approximately the same reclamation costs as the SRCE model if the same inputs and assumptions are applied.
Below are the methods and assumptions used by this model to generate a Financial Guarantee Amount.

1. There are two side hill slope categories used for all calculations in this worksheet. All slopes under 30%(**<30%**) are assumed to have a slope of 20%.
   All slopes over 30% (**>30%**) are assumed to have a slope of 40%.
2. All **Roads** in this worksheet are assumed to have a 14 foot wide dimension across the flat "driveable" part of the road without any safety berms.
3. All **Drill Sites** in this worksheet are assumed to be 30 feet wide. For **Drill Sites** on slopes <30% they are 70 feet long. For **Drill Sites** on slopes >30% they are 83 feet long
4. All **Road** and **Drill Sites** cut banks are assumed to have a 60 degree slope.
5. All **Road** and **Drill Sites** fill slopes are assumed to have an angle of repose of 1.4H:1V or about 70% slope equal to a 35 degree angle.
6. **Roads** are linear features and the units required for input to this worksheet are in linear feet.
7. **Recontouring** for reclamation of **Roads, Drill Sites, and Sumps** is done with a track excavator of a Cat 320C size with a 1.57 CY bucket and productivity of 139 CY per hour.
8. Equipment operator **Manpower** cost is based on Davis-Bacon wage rates for Northern Nevada
   Area pay= $3.00 per hour, FICA = 7.65%, Unemployment = 3% and Workmans Comp= 9.77%
9. Laborer cost is based on Davis-Bacon wage rates for Northern Nevada with FICA = 7.65%, Unemployment = 3% and Workmen's Comp= 9.77%
10. **Revegetation** cost is based on the cost of use of a D4 class dozer which scarifies, seeds and drags the seed in on one pass.
11. **Revegetation** costs are based on a per acre basis for slope acres.
12. **Drill Sites** recontouring cost is based on a standard pad width and length.
    Drill Sites on slopes <30%and **Cross Country Drill Sites** are 30 feet wide by 70 feet long
    Drill Sites on slopes >30% are 30 feet wide by 83 feet long.
    On **Cross Country Drill Sites**, the disturbed area is ripped by a Cat D6 size dozer.
13. One **Sump** is assumed for each **Drill Site**. The assumed dimensions are 10 feet wide, 20 feet long and 6.75 feet deep. (50 CY)
    On **Drill Sites <30%** slopes they are assumed to be outside the **Drill Site**.
    On **Drill Sites >30%** slopes sumps are assumed to lie within the 30 foot * 83 foot dimension of the **Drill Site.**
14. **Trenches** are assumed to be 14 feet wide by 5 feet deep with 10 feet extra width for the spoils pile. A D6 is used for recontour at 208 CY/ hour productivity.
15. **Recontouring** earthwork for **Roads Drill Sites** and **Sumps** has an assumed swell factor of 20%. **Trenches** swell factor is 30%.
16. **Cross Country** travel is assumed to have a disturbance of 6 feet wide by the linear feet of travel on slopes under 10%.
    Revegetation costs for all **Cross Country** disturbance is based on a 12 foot wide seeding width on one pass.
17. **Mobilization** and Demobilization are based on 150 miles one way to project and are based on the 2009 Mob/DeMob worksheet.
    Travel times are assumed to be 2.73 hours one way to the project.
18. **Mobilization** for a Cat 320C excavator will be charged for regrading of **Roads, Drill Sites** only.
    If there are any **Trenches** or **Cross Country disturbance**; a D6 dozer will be mobilized also.
19. All projects that propose drilling will require a minimum **Drill Holes Open** abandonment cost.
    If a drill hole will not penetrate the static water level it may be abandoned as an **Open Hole - Dry**.
    If a drill hole is drilled deeper than the static water level it is considered a wet hole and must be abandoned as an **Open Hole - Wet**.
20. **Mobilization** for **Drill Holes - Open** for **Open Hole - Wet** will include one drill rig plus crew and support equipment.
21. **Mobilization** for **Drill Holes - Open** for **Open Hole - Dry** will include one backhoe and operator, and one general laborer.

Nevada BLM, December 1, 2009

United(.ates Department of the Ir(rior

BUREAU OF LAND MANAGEMENT
Battle Mountain Field Office
50 Bastian Road
Battle Mountain, Nevada 89820,
http://www.nv.blm.gov

TAKE PRIDE® IN AMERICA

In Reply Refer To:
8110
BLM 6-2555
(NV063)

Robert R. Kautz, PhD
Kautz Environmental Consultants, Inc.
5200 Neil Road, Suite 200
Reno, NV 89502

Dear Bob:

In response to your letter of October 21, 2004, I have talked to Jim Moore and Renee Kockler of Idaho General Mines about the project. Part of the discussion was to need to avoid impacts to the Pony Express Trail; the result of that discussion is documented in the enclosed copy of a letter from Jim Moore. In addition, I told them that there were parts of their project area that had not been previously surveyed and that, given the changes in how BLM now consults with the Nevada SHPO, there were probably previously recorded sites that would need to be reevaluated for National Register of Historic Places eligibility.

The Pony Express Trail is going to be difficult to deal with. Since the work was done for Exxon's Mount Hope project, the trail has been designated a National Historic Trail by congress and a management plan for the entire trail has been written by the National Park Service. This plan mandates preservation of the view shed and preservation of the more pristine portions of the trail. Unfortunately, the portion of the trail through the proposed project is one of the best preserved in the Battle Mountain District. Consultations with both SHPO and the Park Service will probably be required.

APPENDIX A

LIST OF CLAIMS

Mount Hope Mining Claims
September 1, 2005

Idaho General Mines, Inc.

Claim Name	Numbers	BLM NMC# Beginning	Ending	Quantity
Hope	87 (Fraction)	881726		1
Hope	89 (Fraction)	881727		1
Hope	2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32,34,36,38,40,42,44,46-69	883765	883810	46
Bowser	17,17-A,17-C,18,19,20,20-A,32,34,36,38,43,45,47,49	882185	882199	15
Bowser	11-B,12-B,16,22,22-A,22-B,22-C,24,26,28,30,44,46,48,50,52,54,56	883747	883764	18
ND*	1 thru 54	885079	885132	54
SD*	1 thru 22, 24,26, 27 thru 54, 56, 57	884974	885027	54
SD*	23, 25, 55, 58 thru 80	893743	893768	26
WC*	1 thru 38, 45 thru 57	885028	885078	51
ET*	1 thru 90, 92 thru 185	884790	884973	184
*note	new claims staked 1450-ft by 600-ft so if required can be split in 725-ft by 600-ft (5-acre) millsite claims			
Total Number of Claims				450

Mount Hope Mines, Inc.

Claim Name	Numbers	BLM NMC# Beginning	Ending	Quantity
Hope	1	97571		1
Hope	3	97573		1
Hope	5	97575		1
Hope	7	97577		1
Hope	9	97579		1
Hope	11	97581		1
Hope	13	97583		1
Hope	15	97585		1
Hope	17	97587		1
Hope	19	97589		1
Hope	21	97591		1
Hope	23	97593		1

Hope	25	97595		1
Hope	27	97597		1
Hope	29	97599		1
Hope	31	97601		1
Hope	33	97603		1
Hope	35	97605		1
Hope	37	97607		1
Hope	39	97609		1
Hope	41	97611		1
Hope	43	97613		1
Hope	45	97615		1
Hope	70 thru 85	97640	97655	16
Hope	88	97658		1
Bowser	1 thru 4, 8,9,11,12,14,15	97479	97488	10
Bowser	21	97494		1
Bowser	23	97496		1
Bowser	25	97498		1
Bowser	27	97500		1
Bowser	29	97502		1
Bowser	31	97504		1
Bowser	33	97506		1
Bowser	35	97508		1
Bowser	37	97510		1
Bowser	61 thru 70	97530	97539	10
Bowser	73 thru 76, 11A	97542	97546	5
Bowser	12A	97548		1
Bowser	21A	97553		1
Bowser	23A, 25A, 27A, 29A, 31A, 33A, 35A, 37A, FRAC, #14 FRAC, #15 FRAC	97557	97567	11
Lookout	1 thru 3	23201	23203	3
West Incline	1 thru 3	97568	97570	3
Hop	3-R	394138		1
Hop	4R	230641		1
TIA	TIA, 1 thru 13	97660	97673	14
Total Number of Claims				109

Mount Hope Mining Claims
Staked not Filed

Idaho General Mines, Inc.

Claim Name	Numbers	BLM NMC# Beginning	Ending	Quantity
Bowser	51, 53, 55, 57, 59, 58, 60			7
NET*	1 thru 322			322
SD*	81 thru 108			28
WC*	58, 59, 60, 61			4
ET*	186 thru 235			50
*note	new claims staked 1450-ft by 600-ft so if required can be split in 725-ft by 600-ft (5-acre) millsite claims			
Total Number of Claims				411

APPENDIX B

MOUNT HOPE MINE PROJECT
NOTICE RECLAMATION BOND ESTIMATE

NEVADA STANDARDIZED BOND CALCULATION

Version Beta 3b

Project Name: Mount Hope Notice

Date of Submittal: September 29, 2005

Select One: ☒ Notice or Sm Exploration Plan | ☐ Lg Exploration Plan | ☐ Mine Plan of Operations

Select One: ☐ Private Land | ☒ Public or Public/Private

File Name: Mount Hope Notice_092905_ Beta 3b.xls

Mount Hope Notice
September 29, 2005
Mount Hope Notice_092905_ Beta 3b.xls
Notice

Table of Contents

NEVADA STANDARDIZED RECLAMATION BOND CALCULATION - SUMMARY

Mount Hope Notice
September 29, 2005
Mount Hope Notice_092905_ Beta 3b.xls

A. Earthwork/Recontouring	Labor (1)	Equipment (2)	Materials	Total
Exploration	$349	$184	$399	$932
Roads	$1,057	$2,534	$0	$3,592
Drill Hole Abandonment	$597	$0	$36	$633
Pits	$0	$0	$0	$0
Underground Openings	$0	$0	$0	$0
Process Ponds	$0	$0	$0	$0
Heaps	$0	$0	$0	$0
Waste Rock Dumps	$0	$0	$0	$0
Landfills	$0	$0	$0	$0
Tailings	$0	$0	$0	$0
Foundation & Buildings Areas	$0	$0	$0	$0
Yards, Etc.	$14	$39	N/A	$54
Drainage & Sediment Control	$0	$0	$0	$0
Miscellaneous	$0	$0	$0	$0
Other**				$0
Subtotal	$2,017	$2,758	$435	$5,210
Mobilization/Demobilization		$1,500		$1,500
Subtotal "A"	$2,017	$4,258	$435	$6,710

B. Revegetation/Stabilization	Labor (1)	Equipment (2)	Materials	Total
Exploration	$7	$6	$25	$38
Roads	$260	$220	$1,000	$1,480
Drill Hole Abandonment				N/A
Pits				N/A
Underground Openings	$0	$0	$0	$0
Process Ponds	$0	$0	$0	$0
Heaps				$0
Waste Rock Dumps				$0
Landfills				$0
Tailings				$0
Foundation & Buildings Areas	$0	$0	$0	$0
Yards, Etc.	$20	$17	$75	$112
Drainage & Sediment Control				$0
Other**				$0
Subtotal "B"	$287	$243	$1,100	$1,630

C. Detoxification/Water Treatment/Disposal of Wastes**	Labor (1)	Equipment (2)	Materials	Total
Interim Fluid Management				$0
Closure Plan Development				$0
Process Ponds/Sludge				$0
Heaps				$0
Dumps (Waste & Landfill)				$0
Tailings				$0
Surplus Water Disposal				$0
Monitoring				$0
Other**				$0
Subtotal "C"	$0	$0	$0	$0

D. Structure, Equipment and Facility Removal	Labor (1)	Equipment (2)	Materials	Total
Foundation & Buildings Areas	$0	$0	$0	$0
Other Demolition	$0	$0	$0	$0
Equipment Removal	$0	$0	$0	$0
Fence Removal				$0
Pipe & Culvert Removal				$0
Powerline Removal				$0
Transformer Removal				$0
Rip-rap, rock lining, gabions				$0
Other Misc. Costs				$0
Other**				$0
Subtotal "D"	$0	$0	$0	$0

E. Monitoring	Labor (1)	Equipment (2)	Materials	Total
Reclamation Monitoring and Maintenance	$2,733	$271	$138	$3,141
Ground and Surface Water Monitoring	$0	$0	$0	$0
Subtotal "E"	$2,733	$271	$138	$3,141

F. Construction Management & Support	Labor	Equipment (2)	Materials	Total
Construction Management	$416	$104	N/A	$520
Road Maintenance	$0	$0	N/A	$0
Other**				$0
Subtotal "F"	$416	$104	$0	$520

G. Operational & Maintenance Costs	Labor (1)	Equipment (2)	Materials (3)	Total
Subtotal A through F	$5,453	$4,876	$1,673	$12,001

** Other Operator supplied costs - additional documentation required.

NEVADA STANDARDIZED RECLAMATION BOND CALCULATION - SUMMARY

Mount Hope Notice
September 29, 2005
Mount Hope Notice_092905_ Beta 3b.xls

Indirect Costs					
1. Engineering, Design and Construction (ED&C) Plan (7)					N/A
2. Contingency (8)					N/A
3. Insurance (9)		$82			$82
4. Bond (10)					
5. Contractor Profit (11)					$1,200
6. BLM Contract Administration (12)					$1,200
7. BLM Indirect Cost (13)					$252
Subtotal Add-On Costs					**$2,734**
Grand Total					**$14,735**

Administrative Cost Rates (%)					
1. Engineering, Design and Construction (ED&C) Plan (7)	<= $1MM	> $1M <= $25M	> $25M		Notice Level
Variable Rate	8%	6%	4%		0%
2. Contingency (8)	<= $0.5M	> $0.5M <= $5M	> $5M <=$50M	> $50M	Notice Level
Variable Rate	10%	8%	6%	4%	0%
3. Insurance (9)	1.5%	of labor costs			
4. Bond (10)	3.0%	of the O&M costs if O&M costs are >$100,000			
5. Contractor Profit (11)	10.0%	of the O&M costs			
6. BLM Contract Administration (12)	<= $1M	> $1M <= $25M	> $25M		
Variable Rate	10%	8%	6%		
7. BLM Indirect Cost (13)	21%	of BLM Contract Administration			

RECLAMATION COST ESTIMATION SUMMARY SHEET FOOTNOTES

1. Federal construction contracts require Davis-Bacon wage rates for contracts over $2,000. Wage rate estimates may include base pay, payroll loading, overhead and profit. To avoid double counting of any of the identified administrative costs the operator must itemize the components of their labor cost estimates or provide BLM with a signed statement, under penalty of USC 1001, that identifies what specific administrative costs are included in the quoted hourly rate.

2. The reclamation cost estimate must include the estimated plugging cost of at least one drill hole for each active drill rig in the project area. Where the submitted Notice or approved Plan of Operations calls for drill holes to be plugged, but doesn't specifically require the drill holes be plugged before the drill rig has been moved from the drill pad, the reclamation cost estimate must include the plugging cost for those drill holes. For all drill holes and wells scheduled to be left open, the estimated plugging cost must be included in the reclamation cost estimate. Where the approved Plan of Operations proposes immediate mining through an area where the drilling is to occur, and the cost of the post-mining reclamation is included in the reclamation cost estimate, the cost estimate does not need to include the plugging costs for those drill holes.

3. Miscellaneous items should be itemized on accompanying worksheets.

4. Fluid management should be calculated only when mineral processing activities are involved. Fluid management represents the costs of maintaining proper fluid management to prevent overflow of solution ponds through premature cessation or abandonment of operations. Calculate a minimum six month direct cost estimate which includes power, supplies, equipment, labor and maintenance.

5. Handling of hazardous materials includes the cost of decontaminating, neutralizing, disposing, treating and/or isolating all hazardous materials used, produced, or stored on the site.

6. Any mitigation measures required in the Plan of Operations must be included in the reclamation cost estimate. Mitigation may include measures to avoid, minimize, rectify and reduce or eliminate the impact, or compensate for the impact.

7. Engineering, design and construction (ED&C) plans are often necessary to provide details on the reclamation needed to contract for the required work. To estimate the cost to develop an ED&C plan use 4-8% of the O&M cost. Calculate the ED&C cost as a percentage of the O&M cost as follows: up to anc including $1 million, use 8%; over $1 million to $25 million, use 6%; and over $25 million, use 4%. Inclusion of a line item for the development of an ED&C plan may not be necessary for small operations, such as notice-level exploration. With small, uncomplicated reclamation efforts contracting may be able to proceed without developing an ED&C plan. [ED&C is automatically eliminated if "Notice" is selected on the Property Information Sheet]

8. A contingency cost is included in the reclamation cost estimation to cover unforeseen cost elements. Calculate the contingency cost as a percentage of the O&M cost as follows: up to and including $500,000, use 10%; over $500,000 to $5 million, use 8%; over $5 million to $50 million, use 6%; and greater than $50 million, use 4%. As with the ED&C cost, inclusion of a contingency cost may not be necessary for small operations, such as notice-level exploration.

9. Insurance premiums are calculated at 1.5% of the total labor costs. Enter the premium amount if liability insurance is not included in the itemized unit costs.

10. Federal construction contracts exceeding $100,000 require both a performance and a payment bond (Miller Act, 40 USC 270et seq.). Each bond premium is figured at 1.5% of the O&M cost. Enter the sum of both premium costs on this line.

11 For Federal construction contracts, use 10% of estimated O&M cost for the contractor's profit.

12 To estimate the contract administration cost, use 6 to 10% of the operational and maintenance (O&M) cost. Calculate the contract administration cost as a percentage of the O&M cost as follows: up to and including $1 million, use 10%; over $1 million to $25 million, use 8%; and greater than $25 million use 6%.

13. BLM's indirect cost rate is 21% of BLM's contract administration costs.

Bond Calculation
Exploration

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Exploration - Cost Summary

	Labor	Equipment	Materials	Totals
Hole Abandonment Costs	$245	$0	$399	$644
Trench Backfilling Costs	$104	$184		$288
Subtotal Earthworks	$349	$184	$399	$932
Trench Revegetation Costs	$7	$6	$25	$38
Subtotal Revegetation	$7	$6	$25	$38
TOTALS	$356	$190	$424	$970

Color Code Key

User Input - Direct Input	*Direct Input*
User Input - Pull Down List	Pull Down Selection
Program Constant (can override)	Alternate Input
Program Calculated Value	Locked Cell - Formula or Reference

Exploration Drillhole Abandonment - User Input

		Hole Plugging					
	Description	Hole Type	Diameter (in)	Total Number of Holes	Max Holes Open at One Time	Average Depth of Hole[1] (ft)	Depth to Water (ft)
1	*3 Boreholes*	Rotary	*8*	*3*	*0*	*98*	*25*
2	*3 Condemnation holes*	Reverse Circ	*5.63*	*3*	*1*	*1,640*	*25*
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19							
20							

Notes
1. If core holes are pre-drilled, use length of hole below pre-drilled length

Bond Calculation
Exploration

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Exploration Trenches - User Input

		Trench Parameters						Revegetation		
	Description (required)	Trench Length ft	Trench Depth ft	Trench Bottom Width ft	Trench Sideslope Angle degrees	Dozing Material (select)	Dozing Fleet (select)	Seed Mix (select)	Mulch (select)	Fertilizer (select)
1	*40 test pits - 1 open at a time*	*15*	*15*	*4.3*	*60*	0.8	Small	Mix 1		
2	*9 sumps*	*135*	*12*	*4.3*	*60*	1.2	Small	Mix 1		
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Exploration Drillhole Abandonment

	Description	Vol/foot of depth cf	Hole Plugging Material[1]	Grout Volume[2] cy	Cuttings Volume cy	Top Seal Volume[3] cy	Plugging Labor Cost $	Plugging Equipment Cost $	Plugging Material Cost $	Top Seal Material Cost[3] $	Total Cost $
1	3 Boreholes	0.35	Grout	0.0		0.0	$0	$0	$0	$0	$0
2	3 Condemnation holes	0.17	Grout	13		0.2	$245	$0	$337	$62	$644
3											
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18											
19											
20											
				13		0	$245	$0	$337	$62	$644

Notes.

1. Assumes grout backfill from bottom of hole to 50' above static water level, up to 20' from top of hole
2. Assumes 25% loss to formation for grout backfill
3. Assumes top 20 feet of hole is plugged with cement

JA3860

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Bond Calculation
Exploration

Bond Calculation
Exploration

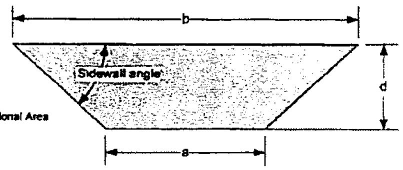
Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Exploration Trenches - Calculations

Exploration Trench Volume Calculation

Cross Sectional Area = $\frac{(a+b)}{2} \times d$

Trench Volume = Trench Length x Cross Sectional Area



Dozing & Ripping/Scarifying Calculations

Dozing: Dozing distance = 1/2 trench length or 600 ft (max push) whichever is less
Assumes flat push (grade correction factor = 1)

Exploration Trenches - Backfill/Regrading Costs

	Description (required)	Trench Backfill Volume LCY (BCY +30%)	Dozer Push Distance ft	Dozer Productivity LCY/hr	Operator	Dozing Material	Job Efficiency	Corrected Hourly Productivity cy/hr	Total Dozer Hours hr	Trench Backfill Labor Cost $	Trench Backfill Equipment Cost $	Total Trench Backfill Cost $
1	*40 test pits - 1 open at a time*	140	8	4,491	0.75	0.80	0.83	2,237	1	$52	$92	$144
2	*9 sumps*	876	68	847	0.75	1.20	0.63	633	1	$52	$92	$144
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20												
		1,017							2	$104	$184	$288

JA3862

Bond Calculation
Exploration

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Exploration Trenches - Revegetation Costs

	Description (required)	Surface Area acres	Revegetation Labor Cost $	Revegetation Equipment Cost $	Revgetation Material Cost $	Total Revegetation Cost $
1	*40 test pits - 1 open at a time*	0.0	$0	$0	$0	$0
2	*9 sumps*	0.1	$7	$6	$25	$38
3						
4						
5						
6						
7						
8						
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11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
		0	$7	$6	$25	$38

Bond Calculation
Roads

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Roads - Cost Summary

	Labor	Equipment	Materials	Totals
Grading Costs	$1,057	$2,534	N/A	$3,592
Cover Placement Cost			N/A	$0
Ripping Cost			N/A	$0
Subtotal Earthworks	$1,057	$2,534		$3,592
Revegetation Cost	$260	$220	$1,000	$1,480
TOTALS	$1,317	$2,754	$1,000	$5,072

Color Code Key	
User Input - Direct Input	*Direct Input*
User Input - Pull Down List	Pull Down Selection
Program Constant (can override)	Alternate Input
Program Calculated Value	Locked Cell - Formula or Reference

Roads - User Input

You must fill in ALL green cells and relevant blue cells in this section for each road

Physical Characteristics

	Description (required)	Original Slope % grade	Ungraded Slope _H:1V	Cut Slope degrees	Road Width ft	Road Length ft	Slope Replacement Percent %	Regrade Volume (if calculated elsewhere) cy	Disturbed Area (if calculated elsewhere) acres	Growth Media Thickness in	Distance to Growth Media Stockpile ft	Slope from Road to Stockpile % grade
1	*Test Pit 1-41 pads (20'x49')*	20	1.3	60	20	2,009	100%			6	25	0
2	*Boreholes 1-3 pads (23' x 33')*	20	1.3	60	23	99	100%			6	16	0
3	*Roads<30%*	20	1.3	60	13	4,116	100%			6	0	0
4	*Roads>30%*	40	1.3	60	13	2,263	100%			6	0	0
5	*Condemnation hole pads< 30%*	20	1.3	60	30	140	10%			6	15	0
6	*Condemnation holes pads >30%*	40	1.3	60	30	70	100%			6	15	0
7	*Geohydro pads (30' x 70')<30%*	20	1.3	60	30	70	100%			6	15	0
8	*Geohydro pads (30' x 70')>30%*	40	1.3	60	30	350	100%			6	15	0
9												
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16												
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20												

Bond Calculation
Roads

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Roads - User Input (cont.) *You must fill in ALL green cells and relevant blue cells in this section for each road*

		Grading				Cover		Revegetation				
	Description (required)	Dozing Material (select)	Cut Material Type (select)	Recontouring Equipment Fleet[1] (select)	No. of Excavators if grade >30% (select)	Cover Material Type (select)	Cover Placement Equipment Fleet (select)	Seed Mix (select)	Mulch (select)	Fertilizer (select)	Scarifying/ Ripping? (select)	Ripping Fleet (select)
1	*Test Pit 1-41 pads (20'x49')*	1.2	Basalt	optimize				Mix 1			No	
2	*Boreholes 1-3 pads (23' x 33')*	1.2	Basalt	optimize				Mix 1			No	
3	*Roads<30%*	1.2	Basalt	optimize				Mix 1			No	
4	*Roads>30%*	1.2	Basalt	optimize	1			Mix 1			No	
5	*Condemnation hole pads< 30%*	1.2	Basalt	optimize				Mix 1			No	
6	*Condemnation holes pads >30%*	1.2	Basalt	optimize	1			Mix 1			No	
7	*Geohydro pads (30' x 70')<30%*	1.2	Basalt	optimize				Mix 1			No	
8	*Geohydro pads (30' x 70')>30%*	1.2	Basalt	optimize	1			Mix 1			No	
9												
10												
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(1) If original slope >30% "optimize" option will only select among the excavator options.

250/acre

2-273

3-300

Nevada Standardized Bond Calculation
Equipment Costs

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

FUEL, LUBE AND WEAR CALCULATIONS (1)

EQUIPMENT TYPE	PM Cost Per Hour(2)	Under carriage or Tires (3)(4)	G.E.T Consumption	Fuel Use Rate gal/hr	Cost @ $1.67/gal	Total Hourly Equipment Cost
Bulldozers						
D6R	$ 2.99	$ -	$ 2.96	$ 5.75	$9.60	$ 15.55
D7R	$ 3.10	$ -	$ 4.39	$ 7.50	$12.53	$ 20.02
D8R	$ 3.42	$ -	$ 5.35	$ 9.75	$16.28	$ 25.05
D9R	$ 4.16	$ -	$ 8.78	$ 14.25	$23.80	$ 36.74
D10R	$ 4.29	$ -	$ 12.27	$ 18.00	$30.06	$ 46.62
D11R	$ 5.67	$ -	$ 19.05	$ 26.50	$44.26	$ 68.98
Motor Graders						
14G/H	$ 2.68	$ 4.73	$ 8.81	$ 6.25	$10.44	$ 26.65
16G/H	$ 3.14	$ 5.89	$ 12.03	$ 7.50	$12.53	$ 33.58
Track Excavators						
320C	$ 2.88	$ -	$ 2.35	$ 4.90	$8.18	$ 13.41
325C	$ 2.88	$ -	$ 3.25	$ 6.60	$11.02	$ 17.15
345B	$ 3.61	$ -	$ 4.07	$ 10.60	$17.70	$ 25.38
#N/A	$ 4.04	$ -	$ 7.80	$ 17.50	$29.23	$ 41.07
Scrapers						
631G	$ 4.05	$ 7.54	$ 4.87	$ 15.00	$25.05	$ 41.51
637G PP	$ 5.90	$ 7.54	$ 6.11	$ 23.75	$39.66	$ 59.22
Wheeled Loaders						
928G	$ 2.45	$ 2.36	$ 2.64	$ 3.50	$5.85	$ 13.30
966G	$ 2.85	$ 4.49	$ 6.17	$ 5.75	$9.60	$ 23.11
972G	$ 2.92	$ 4.49	$ 6.76	$ 6.25	$10.44	$ 24.61
988G	$ 4.74	$ 6.91	$ 8.34	$ 11.50	$19.21	$ 39.20
992G	$ 6.77	$ 14.64	$ 19.73	$ 23.00	$38.41	$ 79.55
Trucks						
769D	$ 4.75	$ 3.50	$ 1.84	$ 9.25	$15.45	$ 25.53
777D	$ 6.92	$ 6.51	$ 2.58	$ 17.00	$28.39	$ 44.40
Hydraulic Hammers						
H-120 (fits 325	$ -	$ -	$ 3.34	$ -	$0.00	$ 3.34
H-160 (fits 345)	$ -	$ -	$ 6.62	$ -	$0.00	$ 6.62
H-180 (fits 365/385)	$ -	$ -	$ 7.86	$ -	$0.00	$ 7.86
Other Equipment						
420D 4WD Backhoe	$ 2.36	$ 1.05	$ 1.98	$ 3.00	$5.01	$ 10.40
Light Truck - 1.5 Ton	$ -	$ -	$ -	$ 1.00	$1.67	$ 1.67
Supervisor's Truck	$ -	$ -	$ -	$ 1.00	$1.67	$ 1.67
Air Compressor + tools	$ -	$ -	$ -	$ -	$0.00	$ -
Heavy Duty Drill Rig	$ -	$ -	$ -	$ -	$0.00	$ -
Pumping (plugging) Drill Rig	$ -	$ -	$ -	$ -	$0.00	$ -
Concrete Pump	$ -	$ -	$ -	$ 2.00	$3.34	$ 3.34
Gas Engine Vibrator	$ -	$ -	$ -	$ 2.00	$3.34	$ 3.34
25 Ton Crane	$ -	$ -	$ -	$ 3.00	$5.01	$ 5.01
613E (5,000 gal) Water Wagon	$ 2.00	$ 2.29	#N/A	$ 10.75	$17.95	#N/A
621E (8,000 gal) Water Wagon	$ 3.15	$ 2.50	#N/A	$ 9.25	$15.45	#N/A
Dump Truck (10-12 yd3)	$ 4.75	$ 6.91	$ 1.84	$ 9.25	$15.45	$ 28.95

#N/A #N/A
(2) SOURCE: D&D Tire, Inc. 06/02/2004
(3) SOURCE: Caterpillar Performance Handbook Edition 34
(4) SOURCE: Al-Park Petroleum, Inc.

Nevada Standardized Bond Calculation
Equipment Costs

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

TIRE COST TABLES

Equipment	# of Tires Per Piece of Equipment	June 2005 Cost Per Tire	Tire Cost (1)(2)	Life Expectency Hours (Low/Zone A) (3)	Tire Cost per Hour
Motor Graders					
#N/A	6	$ 2,658.80	$ 15,952.80	3,500	$4.56
#N/A	6	$ 2,757.40	$ 16,544.40	3,500	$4.73
#N/A	6	$ 3,434.85	$ 20,609.10	3,500	$5.89
Trucks					
Dump Truck (10-12 yd3)	6	$ 3,496.90	$ 20,981.40	6,000	$3.50
769D	6	$ 3,496.90	$ 20,981.40	6,000	$3.50
#N/A	6	$ 6,514.40	$ 39,086.40	6,000	$6.51
777D	6	$ 8,134.50	$ 48,807.00	5,000	$9.76
Scrapers					
#N/A	4	$ 3,171.35	$ 12,685.40		
#N/A	4	$ 5,049.00	$ 20,196.00	4,000	$5.05
631G	4	$ 7,542.90	$ 30,171.60	4,000	$7.54
637G PP	4	$ 7,542.90	$ 30,171.60	4,000	$7.54
Wheeled Loaders					
#N/A	4	$ 2,658.80	$ 10,635.20	4,500	$2.36
#N/A	4	$ 2,658.80	$ 10,635.20	4,500	$2.36
928G	4	$ 2,658.80	$ 10,635.20	4,500	$2.36
#N/A	4	$ 2,758.25	$ 11,033.00	4,500	$2.45
#N/A	4	$ 3,435.70	$ 13,742.80	4,500	$3.05
962G	4	$ 3,435.70	$ 13,742.80	4,500	$3.05
966G	4	$ 5,049.00	$ 20,196.00	4,500	$4.49
972G	4	$ 5,049.00	$ 20,196.00	4,500	$4.49
980G	4	$ 6,315.50	$ 25,262.00	4,500	$5.61
988G	4	$ 7,774.10	$ 31,096.40	4,500	$6.91
992G	4	$ 16,471.30	$ 65,885.20	4,500	$14.64
Backhoes					
416D 4WD	2 + 2	$ 1,578.00	$ 3,156.00	3,000	$1.05
420D 4WD	2 + 2	$ 1,578.00	$ 3,156.00	3,000	$1.05
430D 4WD	2 + 2	$ 1,578.00	$ 3,156.00	3,000	$1.05
446D 4WD	2 + 2	$ 1,537.00	$ 3,074.00	3,000	$1.02
Other Equipment					
Supervisor's Truck (Pickup)	4	$ -	$ -	0	
613E (5,000 gal) Water Wagon	4	$ 3,435.70	$ 13,742.80	6,000	$2.29
621E (8,000 gal) Water Wagon	4	$ 5,001.40	$ 20,005.60	8,000	$2.50

Notes:
1) Total cost for all required tires.
2) Source: D&D Tire, Inc. 09/06/2005
3) Caterpillar Handbook, Edition 34; Estimated Tire Life Curves Ch. 20

Bond Calculation
Material Costs

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Revegetation Materials

Seed Mixes

Seed Mix	Cost/lb	lbs/acre	Cost/Acre
None			
Mix 1			$250.00
Mix 2			$275.00
Mix 3			$300.00
Mix 4			$300.00
User Mix	$10.51	11	$115.57

Mulch

Item	Cost/lb	lbs/acre	Cost/Acre
None			
Straw Mulch	$0.14	$2,000.00	$280.00
Hydro Mulch	$6.25	$50.00	$313.00

Amendments

Item	Cost/lb	lbs/acre	Cost/Acre
None			
Organic Matter	$0.25	$2,000.00	$500.00
Treated Sludge	$0.10	$3,000.00	$300.00
Chemical	$1.50	$100.00	$150.00

Well Abandonment Materials

Description	Units	Cost/unit
Cement	cy	$310.00
Grout (Low Grade Bentonite)	cy	$25.76
#N/A	cy	$0.00
		$0.00
		$0.00

(1) Cement costs per Modern Concrete quote (7/23/04) at $310 cubic yard placed.

#N/A

Monitoring Costs

Description	Units	Cost/unit
		$0.00
Water Sample Analysis(1)	$/sample	$325.00
Monitor Well Pump	#N/A	$2,140.00
Sampling Supplies	$/sample	$5.00
		$0.00
		$0.00

#N/A

Fuel, Etc.

Description	Units	Cost/unit
Off-road Diesel - delivered (1)	gallons	$1.67
Pickup Truck Mileage	$/mi	$0.41
		$0.00
		$0.00
		$0.00

#N/A
#N/A

Nevada Standardized Bond Calculation
Misc. Unit Costs

Project Name: Mount Hope Notice- Notice or Exploration
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Project Management, Monitoring & Consultants

	Salary + Fringe	Annual Hours		Base $/hr	Fringe	Unemploy	FICA/Medica	Workers Com	Total
Construction/Project Management						3.00%	7.65%	11.21%	
Site Supervisor/Foreman	$88,775	2,080		$42.68		$1.28	$3.27	$4.78	$52.01
NDEP Staff (fully burdened rates)									
Deputy Administrator	$112,000	2,080							$53.85
Bureau Chief	$105,000	2,080							$50.48
Supervising Env. Scientist	$85,000	2,080							$40.87
Branch Supervisor	$96,000	2,080							$46.15
Staff Engineer	$60,000	2,080							$28.85
Environmental Scientist	$75,000	2,080							$36.06
Consultants									
Field Geologist/Engineer									$75.00
Field Tech/Sampler									$55.00
Range Scientist									$75.00
Carpenters									
#N/A				$24.08	$9.92	$1.02	$2.60	$3.81	$41.43

Revegetation

Based on Quote from Slater Seeding (using Davis-Bacon wage rates)
September 5, 2005

	Unit	Materials	Labor	Equipment	Premium	Total	Notes
Seeding	acres	varies	$65.00	$55.00	$0.00	$120.00	

Building and Wall Demolition

Hourly productivity rates and crew composition from Means Heavy Construction 2005 Edition. All equipment, labor and material unit costs are from Labor Costs, Equipment Costs and Material Costs spreadsheets

	Means Number	Unit	Crew	Daily Output	Materials	Labor	Equipment	Premium	Total	Notes
Building Demolition										
Lg. steel	02220-110-0012	C.F.	B-8	21,500		$0.10	$0.12		$0.22	
Lg. concrete	02220-110-0050	C.F.	B-8	15,300		$0.13	$0.17		$0.30	
Lg. masonry	02220-110-0080	C.F.	B-8	20,100		$0.10	$0.13		$0.23	
Lg. mixed	02220-110-0100	C.F.	B-8	20,100		$0.10	$0.13		$0.23	
Sm. steel	02220-110-0500	C.F.	B-3	14,800		$0.09	$0.13		$0.22	
Sm. concrete	02220-110-0600	C.F.	B-3	11,300		$0.12	$0.17		$0.29	
Sm. masonry	02220-110-0650	C.F.	B-3	14,800		$0.09	$0.13		$0.22	
Sm. wood	02220-110-0700	C.F.	B-3	14,800		$0.09	$0.13		$0.22	
Wall Demolition										
Block 4" thick	02220-130-2000	S.F	1 Clab	180		$1.52	$0.00	20%	$1.82	assumes vertical reinforcing rods included (20% premium)
Block 6" thick	02220-130-2040	S.F	1 Clab	170		$1.61	$0.00	20%	$1.93	assumes vertical reinforcing rods included (20% premium)
Block 8" thick	02220-130-2080	S.F	1 Clab	150		$1.82	$0.00	20%	$2.18	assumes vertical reinforcing rods included (20% premium)
Block 12" thick	02220-130-2100	S.F	1 Clab	150		$1.82	$0.00	20%	$2.18	assumes vertical reinforcing rods included (20% premium)
Conc 4" thick	02220-130-2400	S.F	B-9	160		$9.44	$0.65	10%	$11.10	assumes average reinforcing (10% premium)
Conc 6" thick	02220-130-2420	S.F	B-9	140		$10.79	$0.74	10%	$12.68	assumes average reinforcing (10% premium)
Conc 8" thick	02220-130-2440	S.F	B-9	120		$12.59	$0.87	10%	$14.81	assumes average reinforcing (10% premium)
Conc 12" thick	02220-130-2500	S.F	B-9	100		$15.11	$1.04	10%	$17.77	assumes average reinforcing (10% premium)

Nevada Standardized Bond Calculation
Misc. Unit Costs

Concrete Structure Installation

Hourly productivity rates and crew composition from Means Heavy Construction 2005 Edition. All equipment, labor and material unit costs are from Labor Costs, Equipment Costs and Material Costs spreadsheets

	Means Number	Unit	Crew	Daily Output	Materials	Labor	Equipment	Premium	Total	Notes
Reinforced Concrete Bulkheads and Shaft Covers										
Grade walls, 15" thick, 8' high	03310-240-4300	C.Y	C-14D	80	$106.00	$1.30	$96.87		$204.17	includes reinforcing
Grade walls, 15" thick, 12' high	03310-240-4350	C.Y	C-14D	51	$112.00	$2.03	$151.22		$265.25	includes reinforcing
Elevated conc, 1-way beam and slab - 15' span	03310-240-2700	C.Y	C-14B	21	$194.00	$384.21	$5.06		$583.27	includes reinforcing
Elevated conc, 1-way beam and slab - 25' span	03310-240-2750	C.Y	C-14B	28	$176.00	$278.94	$3.68		$458.62	includes reinforcing
									$0.00	
									$0.00	
Bat Gate Installation										
#N/A		#N/A			$250.00	$500.00	$750.00		$1,500.00	#N/A

Misc. Linear Projects

Hourly productivity rates and crew composition from Means Heavy Construction 2005 Edition. All equipment, labor and material unit costs are from Labor Costs, Equipment Costs and Material Costs spreadsheets

	Means Number	Unit	Crew	Daily Output	Materials	Labor	Equipment	Premium	Total	Notes
Fencing Demolition										
Barbed 3-strand	02220-220-1600	L.F.	2 Clab	430		$1.27	$0.00		$1.27	
Barbed 5-strand	02220-220-1650	L.F.	2 Clab	280		$1.95	$0.00		$1.95	
Chain link 8'-10'	02220-220-1700	L.F.	B-6	445		$2.19	$0.75		$2.94	
Pipeline and Culvert Removal										
12" Diameter	02220-220-2900	L.F.	B-6	175		$5.56	$1.91		$7.47	
15" Diameter	02220-220-2930	L.F.	B-6	150		$6.48	$2.22		$8.70	
24" Diameter	02220-220-2960	L.F.	B-6	120		$8.10	$2.78		$10.88	
36" Diameter	02220-220-3000	L.F.	B-6	90		$10.81	$3.70		$14.51	
Misc.										
Backhoe work	02210-700-0120	C.Y.	B-11M	28		$15.25	$7.23		$22.48	
Powerline and Transformer Removal										
Single Pole Powerlines		line mile							$10,000.00	Sierra Pacific Power Company estimate (2004)
Double Pole Powerlines		line mile							$0.00	Sierra Pacific Power Company estimate (2004)
Transformer		unit							$15,000.00	Sierra Pacific Power Company estimate (2004)

Erosion and Sedimentation Control

Hourly productivity rates and crew composition from Means Heavy Construction 2005 Edition. All equipment, labor and material unit costs are from Labor Costs, Equipment Costs and Material Costs spreadsheets

	Means Number	Unit	Crew	Daily Output	Materials	Labor	Equipment	Premium	Total	Notes
Rip-Rap & Rock Lining										
Rip-Rap 3/8 to 1/4 C.Y Pieces, grouted	02370-450-0110	S.Y.	B-13	80	$20.95	$18.89	$1.30		$41.14	assumes on-site source of rip-rap
Rip-Rap 18" min thick, no grout	02370-450-0200	S.Y.	B-13	53		$28.51	$1.97		$30.48	assumes on-site source of rip-rap
Gabions, 6" deep	02370-450-0400	S.Y.	B-13	200	$9.46	$7.55	$0.52		$17.53	assumes on-site source rock fill for gabions
Gabions, 9" deep	02370-450-0500	S.Y.	B-13	163	$14.56	$9.27	$0.64		$24.47	assumes on-site source rock fill for gabions
Gabions, 12" deep	02370-450-0200	S.Y.	B-13	153	$15.40	$9.87	$0.68		$25.95	assumes on-site source rock fill for gabions
Gabions, 18" deep	02370-450-0200	S.Y.	B-13	102	$19.60	$14.81	$1.02		$35.43	assumes on-site source rock fill for gabions
Gabions, 36" deep	02370-450-0200	S.Y.	B-13	60	$33.32	$25.18	$1.74		$60.24	assumes on-site source rock fill for gabions
Liner Installation										
Site grading	2300-100-1100	S.F.			$0.60	$0.65	$0.35		$1.60	
Compaction	2300-310-5100	S.F.							$0.00	
60 mil HDEP Liner	2600-610-1200	S.F.			$1.07				$1.07	

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EQUIPMENT FLEETS			
ACTIVITY AND FLEET	**EQUIPMENT UNIT COST (Hourly)**	**LABOR UNIT COST (Hourly)**	**TOTAL COST (Hourly)**
RIPPING			
Rip road Waste rock dumps, heaps, tails - rip flat surfaces Surface preparation Scarify			
Small Dozer w/ multi-shank			
D7R	$91.58	$52.33	$143.91
Totals	$91.58	$52.33	$143.91
Medium Dozer w/ multi-shank			
D9R	$148.95	$52.33	$201.28
Totals	$148.95	$52.33	$201.28
Large Dozer w/ multi-shank			
D10R	$191.51	$52.33	$243.84
Totals	$191.51	$52.33	$243.84
Grader w/ multi-shank			
16G/H	$128.75	$52.33	$181.08
Totals	$128.75	$52.33	$181.08
GRADING			
Grading storage and structure areas Grading waste rock dumps and heaps Backfilling and grading exploration trenches Grading landfills Constructing pit safety berms			
Small Dozer Fleet			
D7R	$91.58	$52.33	$143.91
Totals	$91.58	$52.33	$143.91
Medium Dozer Fleet			
D9R	$148.95	$52.33	$201.28
Totals	$148.95	$52.33	$201.28
Large Dozer Fleet			
D10R	$191.51	$52.33	$243.84
Totals	$191.51	$52.33	$243.84

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EQUIPMENT FLEETS

ACTIVITY AND FLEET	EQUIPMENT UNIT COST (Hourly)	LABOR UNIT COST (Hourly)	TOTAL COST (Hourly)
EXCAVATING			
Earthen Berms Diversion ditch backfill Underground openings backfill - excavate and place			
Large Excavator			
385BL	$157.54	$53.67	$211.21
Totals	$157.54	$53.67	$211.21
Medium Excavator			
345B	$82.20	$53.67	$135.87
Totals	$82.20	$53.67	$135.87
Small Excavator			
325C	$58.63	$53.67	$112.30
Totals	$58.63	$53.67	$112.30
EXCAVATE AND RECONTOUR			
Recontour large roads (haul roads, roads greater than xx in width) Recontour small roads (access roads roads smaller than xx in width Ponds - Excavate and pull liner and bury Excavation and grading for diversion and drainage control			
Large Excavator + Dozer			
385BL	$157.54	$53.67	$211.21
D10R	$191.51	$52.33	$243.84
Totals	$349.05	$106.00	$455.05
Medium Excavator + Dozer			
345B	$82.20	$53.67	$135.87
D9R	$148.95	$52.33	$201.28
Totals	$231.15	$106.00	$337.15
Small Excavator + Dozer			
325C	$58.63	$53.67	$112.30
D7R	$91.58	$52.33	$143.91
Total Equipment	$150.21	$106.00	$256.21

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EQUIPMENT FLEETS

ACTIVITY AND FLEET		EQUIPMENT UNIT COST (Hourly)	LABOR UNIT COST (Hourly)	TOTAL COST (Hourly)
LOAD, HAUL AND PLACE MATERIAL				
Rock placement				
Haul overburden for backfill				
Haul borrow for backfill				
Haul cover or growth media				
Large Truck/Loader Fleet				
777D		$184.60	$43.85	$228.45
992G		$281.26	$55.67	$336.93
D7R		$91.58	$52.33	$143.91
	Totals	$557.44	$151.85	$709.29
Small Truck/Loader Fleet				
769D		$112.47	$48.01	$160.48
988G		$139.48	$53.67	$193.15
D7R		$91.58	$52.33	$143.91
	Totals	$343.52	$154.01	$497.53
Scraper/Dozer Fleet				
631G		$148.59	$52.33	$200.92
D10R		$191.51	$52.33	$243.84
D7R		$91.58	$52.33	$143.91
	Totals	$431.67	$156.99	$588.66
Tandem Scraper Fleet				
637G PP		$173.28	$52.33	$225.61
D7R		$91.58	$52.33	$143.91
	Totals	$264.86	$104.66	$369.52
MISC. LOAD AND HAUL AND EARTHWORKS				
Sludge removal				
Drainage controls				
Misc. - Cat 325B Excavator / 10-12 yd³ Truck				
325C		$58.63	$53.67	$112.30
Dump Truck (10-12 yd3)(4)		$94.48	$41.37	$135.85
	Totals	$153.11	$95.04	$248.15
Misc. - Cat D9R Dozer/ Loader (5 yd³) / 10-12 yd³ Truck				
D9R		$148.95	$52.33	$201.28
966G		$74.25	$53.67	$127.92
Dump Truck (10-12 yd3)(4)		$94.48	$41.37	$135.85
	Totals	$317.68	$147.37	$465.05
Misc. - Cat D6 Dozer / Cat 966 Loader / 10-12 yd3 Truck				
D6R		$66.66	$52.33	$118.99
966G		$74.25	$53.67	$127.92
Dump Truck (10-12 yd3)(4)		$94.48	$41.37	$135.85
	Totals	$235.39	$147.37	$382.76

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EQUIPMENT FLEETS

ACTIVITY AND FLEET	EQUIPMENT UNIT COST (Hourly)	LABOR UNIT COST (Hourly)	TOTAL COST (Hourly)
CONCRETE BREAKING			
Slab demolition Footing demolition Wall demolition			
Small - Cat 325B Excavator w/ H140D s Hammer			
325C	$58.63	$53.67	$112.30
H-120 (fits 325)	$30.84	$0.00	$30.84
D9R	$148.95	$52.33	$201.28
Totals	$238.42	$106.00	$344.42
Medium - Cat 345B Excavator w/ H180D s Hammer			
345B	$82.20	$53.67	$135.87
H-160 (fits 345)	$46.11	$0.00	$46.11
D9R	$148.95	$52.33	$201.28
Totals	$277.26	$106.00	$383.26
Large - Cat 385B Excavator w/ H180D s Hammer			
385BL	$157.54	$53.67	$211.21
H-180 (fits 365/385)	$54.51	$0.00	$54.51
D9R	$148.95	$52.33	$201.28
Totals	$361.00	$106.00	$467.00
DRILL HOLE ABANDONMENT			
Drill Hole - Grout or Cement			
Pumping (plugging) Drill Rig(3)	$0.00	$0.00	$0.00
Driller's Helper	$0.00	$49.83	$49.83
Driller's Helper	$0.00	$49.83	$49.83
Totals	$0.00	$99.66	$99.66
Drill Hole - Inert Media (Means Crew B-11M+ 1 Laborer)			
420D 4WD Backhoe	$25.32	$53.37	$78.69
General Laborer	$0.00	$34.21	$34.21
Totals	$25.32	$87.58	$112.90
Drill Hole - Casing Perforation			
Heavy Duty Drill Rig(3)	$0.00	$0.00	$0.00
Driller's Helper	$0.00	$34.51	$34.51
Driller's Helper	$0.00	$34.51	$34.51
Totals	$0.00	$69.02	$69.02
MAINTENANCE FLEETS			
Road Grading, Dust Suppression, Clean Up			
Maintenance - Small Water Truck and Cat 14G Grader			
613E (5,000 gal) Water Wagon	$69.94	$41.37	$111.31
14G/H	$90.86	$52.33	$143.19
Totals	$160.80	$93.70	$254.50
Maintenance - Large Water Truck and Cat 16G Grader			
621E (8,000 gal) Water Wagon	$96.38	$41.37	$137.75
16G/H	$128.75	$52.33	$181.08
Totals	$225.14	$93.70	$318.84

Nevada Standardized Bond Calculation
Fleets (Crews)

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EQUIPMENT FLEETS

ACTIVITY AND FLEET	EQUIPMENT UNIT COST (Hourly)	LABOR UNIT COST (Hourly)	TOTAL COST (Hourly)
PROJECT SUPERVISION			
Supervisor's Truck	$13.03	$52.01	$65.04
Totals	$13.03	$52.01	$65.04
MEANS CREW DEFINITIONS			
From RS Means Heavy Construction Crew Definitions			
For use with misc. unit costs where Means is the source for productivity			
1 Clab - Block Wall Demolition			
General Laborer	$0.00	$34.21	$34.21
Totals	$0.00	$34.21	$34.21
2 Clab - Barbed Wire Fence Removal			
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
Totals	$0.00	$68.42	$68.42
2 Clab + Excavator - Pond Liner Cutting and Folding			
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
325C	$58.63	$53.67	$112.30
Totals	$58.63	$122.09	$180.72
B-3 - Small Building Demoltion			
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
Foreman	$13.03	$52.01	$65.04
928G	$41.68	$53.14	$94.82
Dump Truck (10-12 yd3)(4)	$94.48	$0.00	$94.48
Dump Truck (10-12 yd3)(4)	$94.48	$0.00	$94.48
Totals	$243.67	$173.57	$417.24
B-6 - Chain Link Fence/Pipeline/Culvert Removal			
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
928G	$41.68	$53.14	$94.82
Totals	$41.68	$121.56	$163.24
B-8 - Large Building Demolition			
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
Foreman	$13.03	$52.01	$65.04
928G	$36.97	$53.14	$90.11
25 Ton Crane(4)	$78.03	$0.00	$78.03
Dump Truck (10-12 yd3)(4)	$94.48	$41.37	$135.85
Dump Truck (10-12 yd3)(4)	$94.48	$41.37	$135.85
Totals	$316.99	$256.31	$573.30

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EQUIPMENT FLEETS

ACTIVITY AND FLEET	EQUIPMENT UNIT COST (Hourly)	LABOR UNIT COST (Hourly)	TOTAL COST (Hourly)
B-9 - Concrete Wall Demolition			
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
Foreman	$13.03	$52.01	$65.04
Air Compressor + tools(4)	$0.00	$0.00	$0.00
Totals	$13.03	$188.85	$201.88
B-11M - Backhoe Work			
420D 4WD Backhoe	$25.32	$53.37	$78.69
Totals	$25.32	$53.37	$78.69
B-12G - Rip-Rap Machine Placed (Modified)			
966G	$74.25	$35.22	$109.47
325C	$58.63	$35.22	$93.85
Dump Truck (10-12 yd3)(4)	$94.48	$41.14	$135.62
Totals	$227.36	$111.58	$338.94
B-13 - Grouted Rip-Rap & Gabion Baskets			
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
Foreman	$13.03	$52.01	$65.04
25 Ton Crane(4)	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00
	$0.00	$0.00	$0.00
Totals	$13.03	$188.85	$201.88
C-14B - Elevated Concrete Slabs (Reinforced Concrete Shaft Covers)			
Foreman	$13.03	$52.01	$65.04
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
Rodmen (reinforcing concrete)	$0.00	$34.21	$34.21
Rodmen (reinforcing concrete)	$0.00	$34.21	$34.21
Rodmen (reinforcing concrete)	$0.00	$34.21	$34.21
Rodmen (reinforcing concrete)	$0.00	$34.21	$34.21
Cement finisher	$0.00	$34.33	$34.33
Cement finisher	$0.00	$34.33	$34.33
Gas Engine Vibrator(4)	$0.00	$0.00	$0.00
Concrete Pump(4)	$0.00	$0.00	$0.00
Totals	$13.03	$988.85	$1,001.88

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EQUIPMENT FLEETS			
ACTIVITY AND FLEET	EQUIPMENT UNIT COST (Hourly)	LABOR UNIT COST (Hourly)	TOTAL COST (Hourly)
C-14D - Concrete Walls Formed in Place (Reinforced Concrete Adit Bulkheads)			
Foreman	$13.03	$52.01	$65.04
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
Carpenter	$0.00	$41.43	$41.43
General Laborer	$0.00	$34.21	$34.21
General Laborer	$0.00	$34.21	$34.21
Rodmen (reinforcing concrete)	$0.00	$34.21	$34.21
Rodmen (reinforcing concrete)	$0.00	$34.21	$34.21
Cement finisher	$0.00	$34.33	$34.33
Gas Engine Vibrator(4)	$0.00	$0.00	$0.00
Concrete Pump(4)	$0.00	$0.00	$0.00
Totals	$13.03	$968.96	$982.00

Productivity - Bulldozers

Dozer Specifications					
Description	D11R	D10R	D9R	D8R	D7R
Blade Width (SU)	18.33 ft	15.92 ft	14.17 ft	12.92 ft	12.08 ft
Shank Guage (3 shanks)	9.83 ft	8.67 ft	7.67 ft	7.08 ft	6.50 ft
Pocket Spacing	4.75 ft	4.33 ft	3.87 ft	3.58 ft	3.25 ft
Ripping Width (Ripper + 1 Pocket)	14.58 ft	13.00 ft	11.54 ft	10.66 ft	9.75 ft
Ripping Speed	1.0 mph	1.0 mph	1.0 mph	1.0 mph	1.0 mph
Ripping Maneuver (turn) Time	0.25 min	0.25 min	0.25 min	0.25 min	0.25 min
Ripping Hourly Production (less maneuvering time)	5280 ft	5280 ft	5280 ft	5280 ft	5280 ft

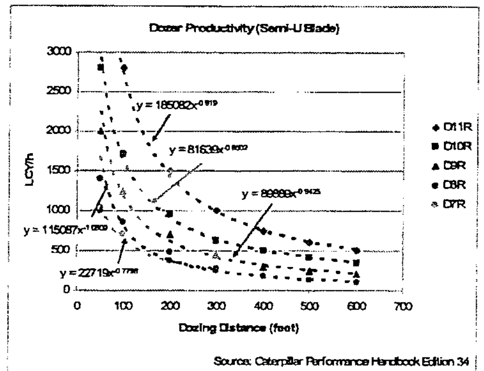
Source: Caterpillar Performance Handbook Edition 35

Dozer Productivity vs. Grading Distance					
Average Dozing Distance (feet)	Production (LCY/hr)				
	D11R	D10R	D9R	D8R	D7R
50	4800	2800	2000	1400	1000
100	2800	1700	1250	850	700
200	1500	950	700	475	375
300	1000	625	450	275	250
400	750	500	300	175	
500	600	410	250	125	
600	500	350	200	100	

Source: Caterpillar Performance Handbook Edition 35

dozer productivity = k x Dozing Distance^{p}
(see graph)

	D11R	D10R	D9R	D8R	D7R
k =	185082	81639	89889	115087	22719
p =	-0.919	-0.8502	-0.9425	-1.0809	-0.7796



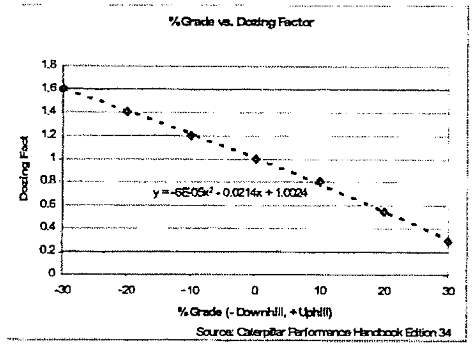
Productivity - Bulldozers (cont.)

% Grade vs. Dozing Factor

% Grade	Dozing Factor
-30	1.6
-20	1.4
-10	1.2
0	1
10	0.8
20	0.55
30	0.3

Source: Caterpillar Performance Handbook Edition 35

% Grade Dozing Factor = $-6E^{-05}x^2 - 0.0214x + 1.0024$ (see graph)



Job Condition Correction Factors - Bulldozers

OPERATOR	
Average	0.75
MATERIAL [1]	
Loose stockpile	1.20
Hard to cut; frozen — with tilt cylinder	0.80
Hard to drift; "dead" (dry, non-cohesive material) or very sticky material	0.80
Rock, ripped or blasted	0.60
SLOT DOZING OR SIDE BY SIDE	1.20
DOZING (1)	
VISIBILITY	
Good conditions	1.00
JOB EFFICIENCY	
50 min/hr	0.83

(1) Selected in facility worksheets. Other factors included as standard factors.

Source: Caterpillar Performance Handbook Edition 35

JA3879

Bond Calculation
Roads

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Roads - Calculations

Regrading Volume and Footprint Volume

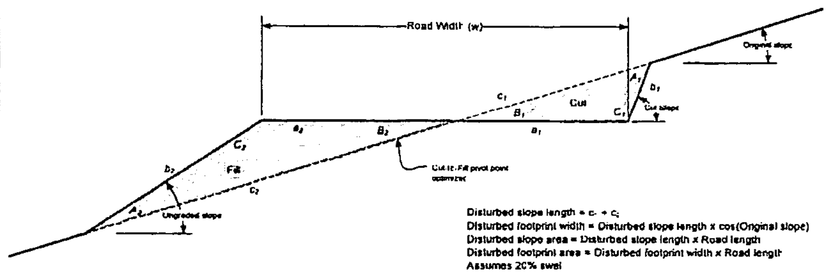


Figure 1 - Regrading Volume Calculation

Will not allow dozer for slopes greater than 30%
For dozer regrading push distance = road width
Assumes dozer push is uphill
Assumes minimum push distance of 100 ft

Ripping/Scarifying Calculations

Number of passes = Final slope length + Grader width
Travel distance = Number of passes x Road length
Total hours = (Travel distance + Grader productivity) + (Number of passes x Grader maneuver time)
For dozer regrading assumes push distance = 3 x road width

JA3880

Bond Calculation
Roads

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Roads - Regrading Costs

	Description (required)	Regrading Volume cy	Recontouring Fleet	Fleet Productivity cy/hr	Total Fleet Hours hr	Total Labor Cost $	Total Equipment Cost $	Total Materials Cost $	Total Regrading Cost $
1	*Test Pit 1-41 pads (20'x49')*	1,007	Lg Dozer	469	2	$110	$402		$512
2	*Boreholes 1-3 pads (23' x 33')*	66	Sm Excavator	229	0	$0	$0		$0
3	*Roads<30%*	872	Lg Dozer	469	2	$99	$364		$463
4	*Roads>30%*	1,270	Med Excavator	299	4	$424	$925		$1,349
5	*Condemnation hole pads< 30%*	16	Sm Excavator	229	0	$0	$0		$0
6	*Condemnation holes pads >30%*	209	Sm Excavator	229	1	$106	$150		$256
7	*Geohydro pads (30' x 70')<30%*	79	Sm Excavator	229	0	$0	$0		$0
8	*Geohydro pads (30' x 70')>30%*	1,046	Med Excavator	299	3	$318	$693		$1,011
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
		4,565			12	$1,057	$2,534	0	$3,592

Roads - Growth Media Costs

	Description (required)	Growth Media Volume cy	Growth Media Replacement Fleet	Fleet Productivity BCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost $	Total Equipment Cost $	Total Topsoiling Cost $
1	*Test Pit 1-41 pads (20'x49')*	942	0						
2	*Boreholes 1-3 pads (23' x 33')*	53	0						
3	*Roads<30%*	1,254	0						
4	*Roads>30%*	976	0						
5	*Condemnation hole pads< 30%*	98	0						
6	*Condemnation holes pads >30%*	70	0						
7	*Geohydro pads (30' x 70')<30%*	49	0						
8	*Geohydro pads (30' x 70')>30%*	348	0						
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
		3,790							

$0
$0

JA3881

Bond Calculation
Roads

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Roads - Scarifying/Revegetation Costs

	Description (required)	Surface Area acres	Final Slope Length ft	Ripping Hours hrs	Ripping Equipment Cost $	Ripping Labor Costs $	Total Ripping Costs $	Revegetation Labor Cost $	Revegetation Equipment Cost $	Revgetation Material Cost $	Total Revegetation Cost $
1	*Test Pit 1-41 pads (20'x49')*	1.0	25					$65	$55	$250	$370
2	*Boreholes 1-3 pads (23' x 33')*	0.0	29					$0	$0	$0	$0
3	*Roads<30%*	2.0	16					$130	$110	$500	$740
4	*Roads>30%*	1.0	23					$65	$55	$250	$370
5	*Condemnation hole pads< 30%*	0.0	38					$0	$0	$0	$0
6	*Condemnation holes pads >30%*	0	54					$0	$0	$0	$0
7	*Geohydro pads (30' x 70')<30%*	0	38					$0	$0	$0	$0
8	*Geohydro pads (30' x 70')>30%*	0	54					$0	$0	$0	$0
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
		4						$260	$220	$1,000	$1,480

Bond Calculation
Drill Hole Abandonment

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Drill Hole Abandonment

	Labor	Equipment	Materials	Totals
Production, Dewatering, Infiltration Wells	$0	$0	$0	$0
Monitoring Wells	$597	$0	$36	$633
TOTALS	$597	$0	$36	$633

Color Code Key	
User Input - Direct Input	*Direct Input*
User Input - Pull Down List	Pull Down Selection
Program Constant (can override)	Alternate Input
Program Calculated Value	_ocked Cell - Formula or Reference

Bond Calculation
Drill Hole Abandonment

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

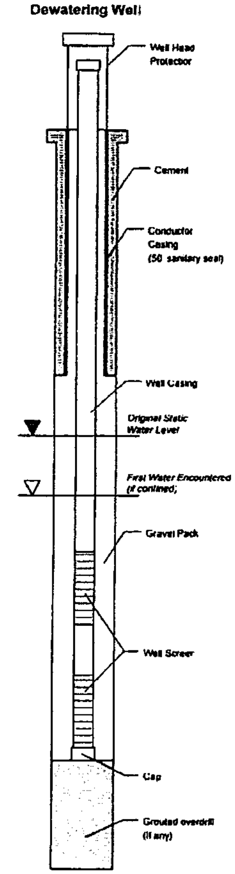
Drillhole Abandonment

PRODUCTION, DEWATERING AND INFILTRATION WELL CLOSURE

Well Description	Number of Holes	Casing Diameter (in)	Average Depth (ft)	Depth to First Water (ft)	Original Static Water Level (ft)	Top of Slotted Casing(1) (ft)	Blank Casing Below Top of Screen(1) (ft)	Perforation Length (ft)	Casing Volume per foot (cf)	Grouting Volume per Hole(3) (cy)	Cement Volume per Hole(3) (cy)	Inert Media Volume per Hole(2) (cy)	Perforation Labor Cost(4) ($)	Perforation Equipment Cost(4) ($)	Grout + Cement Material Cost(3) ($)	Grouting + Cement Equipment Cost(4) ($)	Grouting Labor Cost(4) ($)	Inert Media Equip(5) ($)	Inert Media Labor(5) ($)	Total Cost ($)
													$0	$0	$0	$0	$0	$0	$0	$0

(1) Wells abandoned per NAC 534.420. Hole grouted and perforated from bottom to 50 feet above the top of the screen, or first water encountered or original static water level, depending on vertical hydraulic gradient and well construction parameters. Inert media (cuttings or alluvium) used from top of grout to top seal.
(2) Assumes 100% loss to formation for grout (abandonite) for screened and perforated sections.
(3) Assumes 20' top seal of cement.
(4) See WDC Exploration Quote (July 2004), \$420/hr perforation @ 40 ft/hr for 18 inch casing, and \$350/hr (5.333 yd/hr placement) for grouting.
(5) Inert material is cuttings or alluvium sourced locally.
(6) Perforation length = amount of blank casing below first water (if first water is deeper than original static water level) or static water table (if static water level is equal to or deeper than first water) + 50 feet of blank casing above water table
(7) Abandoned holes noted by a "0" as depth

Production or Dewatering Well



JA3884

Bond Calculation
Drill Hole Abandonment

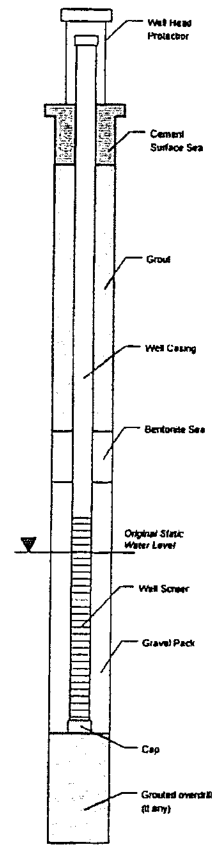
Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

MONITORING WELLS

Well Description	Number of Holes	Casing Diameter (in)	Average Depth (ft)	Top of Screen[1] (ft)	Casing Vol per foot (cf)	Grout Volume/ Well[2] (cy)	Cement Volume per Hole[3] (cy)	Inert Backfill Volume per Hole[4] (cy)	Grout + Cement Material Cost ($)	Grout + Cement Equipment Cost[5] ($)	Grout + Cement Labor Cost[5] ($)	Inert Material Equipment Cost[5] ($)	Inert Material Labor Cost[5] ($)	Total Cost ($)
R-3	1	2.5	906	886	0.03	0.1	0.03	1.03	$12	$0	$199	$51	$175	$211
R-14	1	2.5	1020	1000	0.03	0.1	0.03	1.17	$12	$0	$199	$51	$175	$211
R-16	1	2.5	610	590	0.03	0.1	0.03	0.65	$12	$0	$199	$51	$175	$211
									$36	$0	$597			$633

Wells abandoned per NAC 534.420 with bentonite grout placed to 50 feet above the top of the screen (see note 1).
(1) Assumes top of screen is at or above the static water level (in unconfined aquifers) or the depth of first water encountered (in confined aquifers).
(2) Assumes 25% loss to formation for grouting
(3) Assumes top 20' plugged with cement.
(4) Assumes hole plugged with inert material (cuttings or alluvium) above grout up to cement surface plug.
(5) See Productivity Sheet for hourly production.1 hr per hole + 1 hr per hole for move and setup.

Monitor Well



JA3885

Bond Calculation
Yards, Etc.

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Yards, Etc. - Cost Summary

	Labor	Equipment	Materials	Totals
Regrading Cost			N/A	$0
Cover Placement Cost			N/A	$0
Growth Media Placement Cost	$14	$39	N/A	$54
Ripping Cost			N/A	$0
Subtotal Earthworks	*$14*	*$39*	*N/A*	*$54*
Revegetation Cost	$20	$17	$75	$112
TOTALS	$34	$56	$75	$166

Color Code Key

User Input - Direct Input	*Direct Input*
User Input - Pull Down List	Pull Down Selection
Program Constant (can override)	Alternate Input
Program Calculated Value	Locked Cell - Formula or Reference

Yards, Etc. - User Input

You must fill in ALL green cells and relevant blue cells in this section for each building or facility

		Physical			Cover			Growth Media		
	Description (required)	Area acres	Average Flat Area Long Dimension (ripping distance) ft	Regrade Volume (calculated elsewhere) cy	Cover Thickness in	Distance from Cover Borrow Area ft	Slope from Facility to Borrow Area % grade	Growth Media Thickness in	Distance from Growth Media Stockpile ft	Slope from Facility to Stockpile % grade
1	*Cross-country travel*	*0.3*	*870*					*6*	*0*	*0*
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

Bond Calculation
Yards, Etc.

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Yards, Etc. - User Input (cont.) *You must fill in ALL green cells and relevant blue cells in this section for each building or facility*

		Grading			Cover		Growth Media		Revegetation				
	Description (required)	Dozing Material (select)	Dozing Material Type (select)	Grading Equipment Fleet (select)	Cover Material Type (select)	Cover Placement Equipment Fleet (select)	Growth Media Material Type (select)	Growth Media Placement Equipment Fleet (select)	Seed Mix (select)	Mulch (select)	Fertilizer (select)	Scarify/ Rip? (select)	Ripping Fleet (select)
1	*Cross-country travel*	1.2	Basalt	Small			Topsoil	optimize	Mix 1			Yes	Small Dozer
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Yards, Etc. - Calculations

Grading Calculations

Average push distance assumed to be 2/3 of the 600 feet maximum from Catepillar Handbook or 400 feet
Material assumed to be loose stockile (1.2 productivity factor)
Slope assumed to be 0 to 5% (1.0 productivity factor)

Cover Volume Calculation

Yard area x cover thickness

Ripping/Scarifying Calculations

Flat area width = Final flat area ÷ Average long dimensions
Number of passes = Flat area width ÷ Grader width
Travel distance = Number of passes x Average long dimensions
Total hours = (Travel distance ÷ Grader productivity) + (Number of passes x Grader maneuver time)

Bond Calculation
Yards, Etc.

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Yards, Etc. - Regrading Costs

Productivity = Dozer Productivity x Grade Correction x Density Correction x Operator (0.75) x Material x Visibility x Job Efficiency (0.83) x (Slot/Side-by-Side)

	Description (required)	Dozing Distance (see above) ft	Regrading Volume cy	Uncorrected Dozer Productivity cy/hr	Grade Correction	Density Correction	Dozing Material	Total Hourly Productivity cy/hr	Total Dozer Hours hr	Total Labor Cost $	Total Equipment Cost $	Total Regrading Cost $
1												
2												
3												
4												
5												
6												
7												
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9												
10												
11												
12												
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16												
17												
18												
19												
20												

Yards, Etc. - Foundation Cover and Growth Media Costs

		Cover								Growth Media							
	Description (required)	Cover Volume cy	Topsoil Repacement Fleet	Fleet Productivity BCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost $	Total Equipment Cost $	Total Cover Cost $	Topsoil Volume cy	Topsoil Repacement Fleet	Fleet Productivity BCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost $	Total Equipment Cost $	Total Topsoiling Cost $
1	*Cross-country travel*	None required								242	Tandem Scrape	2,626	2	0	$14	$39	$54
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
										242				0	$14	$39	$54

Bond Calculation
Yards, Etc.

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Yards, Etc. - Scarifying/Revegetation Costs

	Description (required)	Flat Area acres	Area Long Dimension ft	Scarifying/ Ripping Hours hrs	Scarifying/ Ripping Labor Costs $	Scarifying/ Ripping Equipment Cost $	Total Scarifying/ Ripping Costs $	Revegetation Labor Cost $	Revegetation Equipment Cost $	Revgetation Material Cost $	Total Revegotation Cost $
1	*Cross-country travel*	0.30	870	0	$0	$0	$0	$20	$17	$75	$112
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
		0.30						$20	$17	$75	$112

Bond Calculation
Monitoring

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Reclamation Monitoring & Maintenance - Cost Summary

	Labor	Equipment	Materials	Totals
Reclamation Maintenance	$33	$28	$138	$198
Reclamation Monitoring	$2,700	$243	N/A	$2,943
Subtotal Reclamation Monitoring	$2,733	$271	$138	$3,141
Water Quality Monitoring	$0	$0	$0	$0
TOTAL MONITORING	$2,733	$271	$138	$3,141

Reclamation Maintenance

Description	Total Acres acres	% Acres Requiring Reseeding	Seed Mix (select)	Area Reseeded acres	Seed ($/Acre) $/acre	Labor ($/Acre) $/acre	Equipment ($/Acre) $/acre	Totals $
Reseeding	5	10.0%	Mix 2	1	$275.00	$65	$55	$198
Labor								$33
Equipment								$28
Materials								$138
Cost/Acre								$395
Subtotal								**$198**

Reclamation Monitoring

Description	Hrs/Day	Days/Year	Number of Years	Rate ($/hr)		
Field Work						
Field Geologist/Engineer				$75		$0
Range Scientist	6	1	3	$75		$1,350
Reporting						
Field Geologist/Engineer				$75		$0
Range Scientist	6	1	3	$75		$1,350
Subtotal						**$2,700**
Travel						
	Miles/Trip miles	Trips/Year	Years	Truck Cost $/hr		
Travel	200	1	3	0.405		$243
Subtotal						**$243**
Total Reclamation Monitoring						**$2,943**

Notes:

Bond Calculation
Monitoring

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Ground & Surface Water Monitoring

Field work

Description	No. of units	Hrs/Day	Days/event	Events/Year	No. Years	Man-hours/year	Rate ($/hr)	Cost $
Field Tech/Sampler							$55	$0
Pickup Truck							$13.03	$0
Pump (purchased)							$2,140	$0
							Subtotal Field Work	$0

Sample Analysis

Description	Samples #	Events/Year	No. Years	Analysis Cost $/sample	Supplies $/sample	Lab Cost $	Material Cost $	Cost $
				$325	$5.00			$0
				$325	$5.00			$0
				$325	$5.00			$0
				$325	$5.00			$0
				$325	$5.00			$0
							Subotal Sample Analysis	$0

Reporting

Description	Hrs/Event	Rate ($/hr)	Events/Year	Man-hours/year	No. Years		Cost $
Field Geologist/Engineer		$75					$0
						Subtotal Reporting	$0

Total Water Quality Monitoring $0

Notes:

Bond Calculation
Constr. Mgmt

Project Name: Mount Hope Notice- Notice or Exploration
Date of Submittal: September 29, 2005
File Name: Mount Hope Notice_092905_ Beta 3b.xls

Construction Management & Road Maintenance - Cost Summary

		Labor	Equipment	Materials	Totals
	Construction Management	$416	$104	N/A	$520
	Road Maintenance	$0	$0	N/A	$0
TOTAL CONSTRUCTION MANAGEMENT		$416	$104	$0	$520

Construction Management

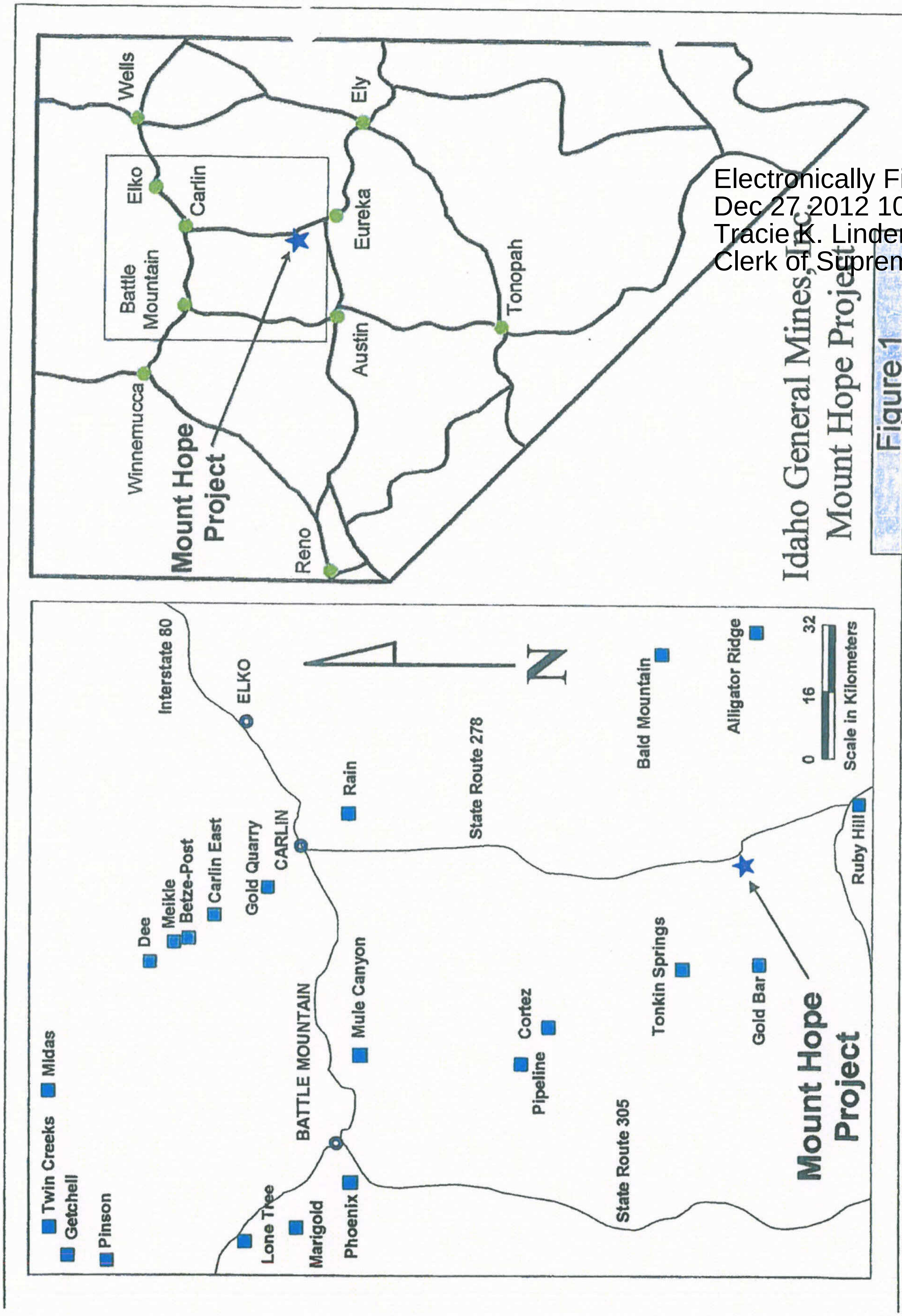
Description	Duration mo.	Hours/ Month	Number of Supervisors	Supervisor Rate $/hr	Labor Cost $	Equipment Cost[1] $	Totals $
Active Reclamation	1	8	1	$52.01	$416	$104	$520
Monitoring & Maintenance				$52.01	$0	$0	$0
Total Project Management					$416	$104	$520

Road Maintenance

Description	Fleet Size (select)	Duration mo.	Hours/ Month		Labor Cost $	Equipment Cost $	Totals $
Active Reclamation							
Water Truck							$0
Grader							$0
Monitoring & Maintenance							
Water Truck							$0
Grader							$0
Total Project Maintenance					$0	$0	$0

Notes: 1) Supervisor equipment = pickup truck

Electronically Filed
Dec 27 2012 10:10 a.m.
Tracie K. Lindeman
Clerk of Supreme Court



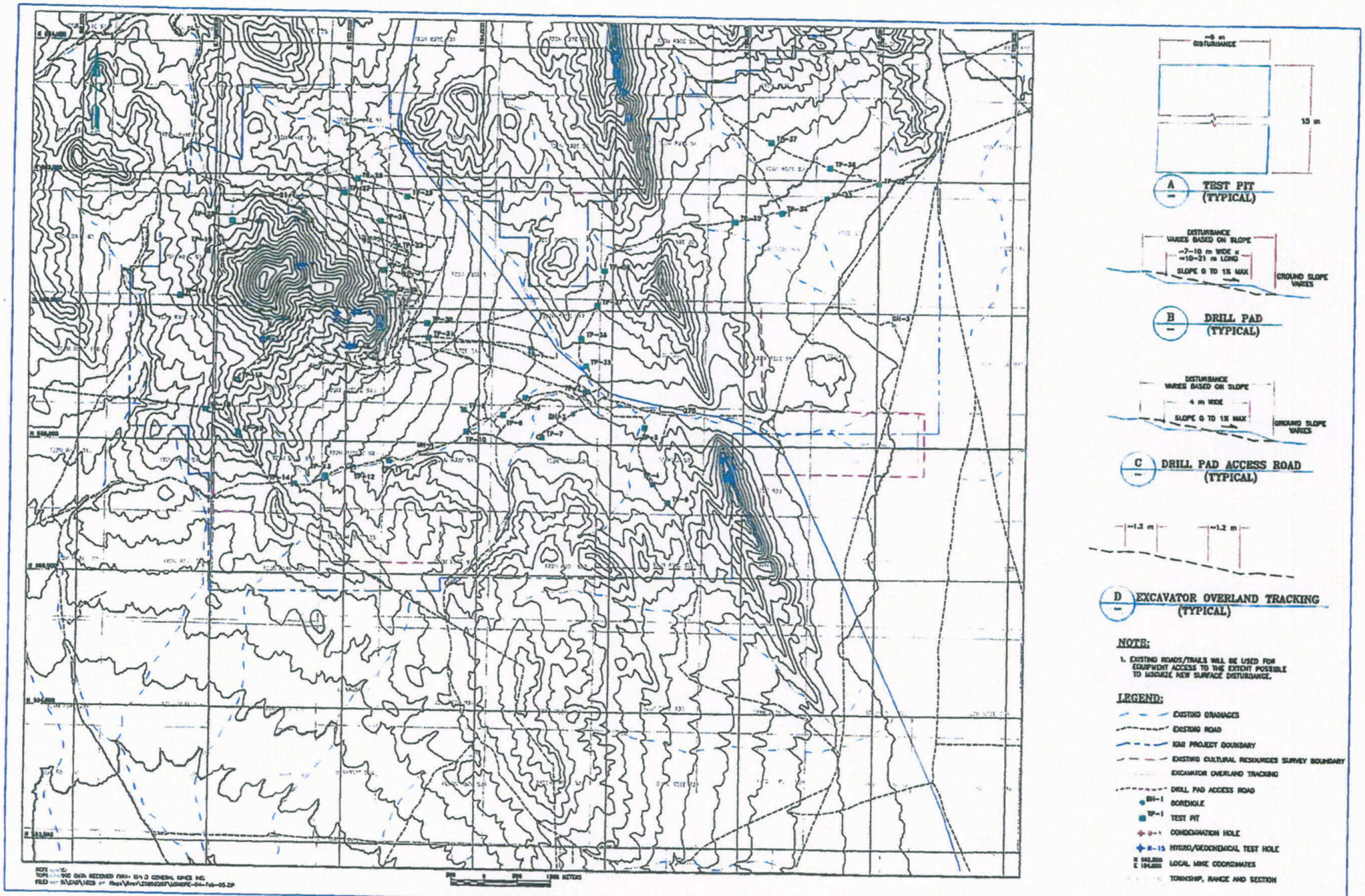


Figure 4. Notice-Level Drilling & Geotechnical Investigations with Topograp

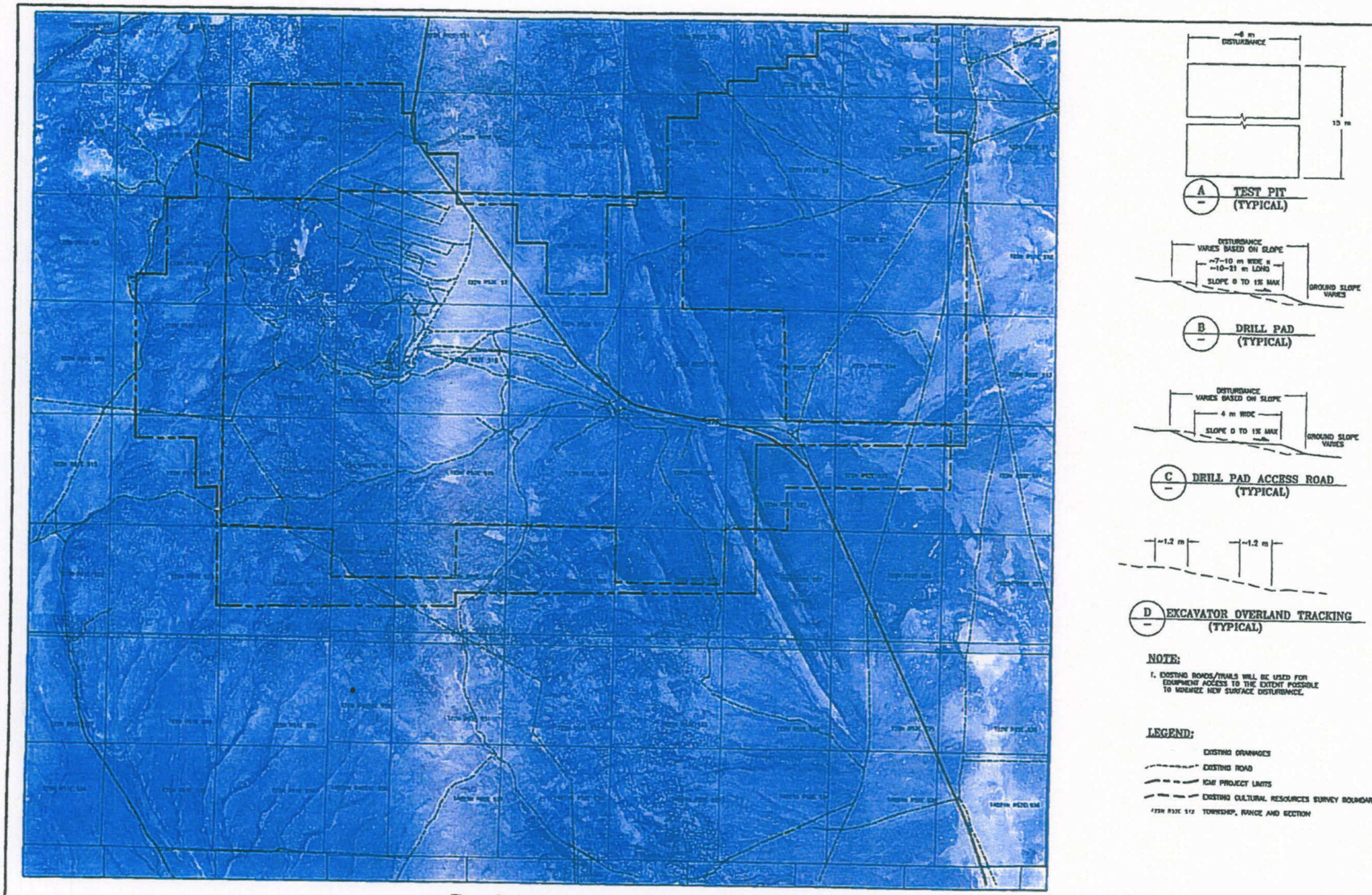
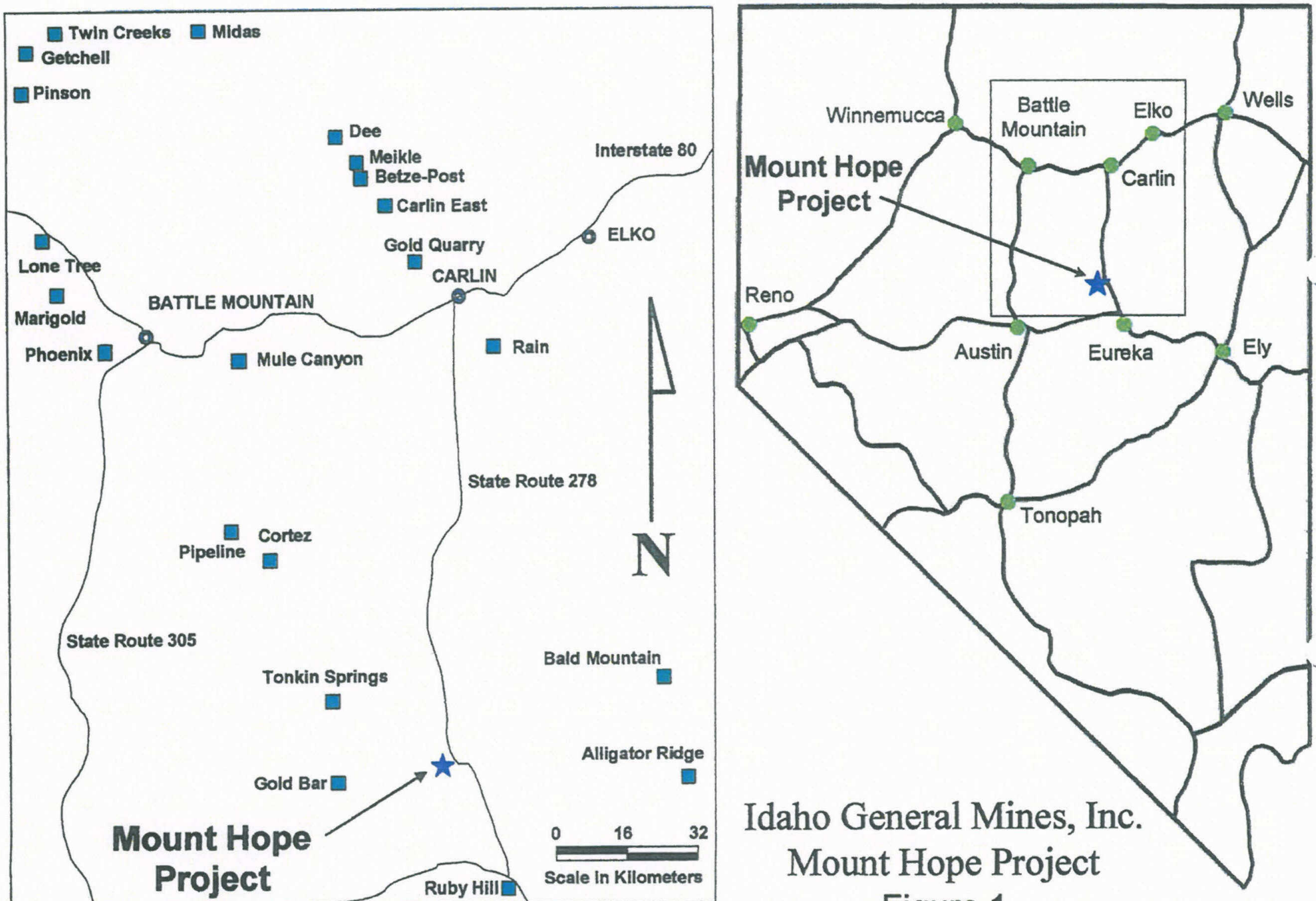


Figure 2. Project Area for Notice-Level Drilling & Geotechnical Investigations

Figures



Idaho General Mines, Inc.
Mount Hope Project
Figure 1

APPENDIX A

LIST OF CLAIMS

Mount Hope Mining Claims
September 1, 2005

Idaho General Mines, Inc.

Claim Name	Numbers	BLM NMC# Beginning	Ending	Quantity
Hope	87 (Fraction)	881726		1
Hope	89 (Fraction)	881727		1
Hope	2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32,34,36,38,40,42,44,46-69	883765	883810	46
Bowser	17,17-A,17-C,18,19,20,20-A,32,34,36,38,43,45,47,49	882185	882199	15
Bowser	11-B,12-B,16,22,22-A,22-B,22-C,24,26,28,30,44,46,48,50,52,54,56	883747	883764	18
ND*	1 thru 54	885079	885132	54
SD*	1 thru 22, 24,26, 27 thru 54, 56, 57	884974	885027	54
SD*	23, 25, 55, 58 thru 80	893743	893768	26
WC*	1 thru 38, 45 thru 57	885028	885078	51
ET*	1 thru 90, 92 thru 185	884790	884973	184
*note	new claims staked 1450-ft by 600-ft so if required can be split in 725-ft by 600-ft (5-acre) millsite claims			
Total Number of Claims				450

Mount Hope Mines, Inc.

Claim Name	Numbers	BLM NMC# Beginning	Ending	Quantity
Hope	1	97571		1
Hope	3	97573		1
Hope	5	97575		1
Hope	7	97577		1
Hope	9	97579		1
Hope	11	97581		1
Hope	13	97583		1
Hope	15	97585		1
Hope	17	97587		1
Hope	19	97589		1
Hope	21	97591		1
Hope	23	97593		1

Hope	25	97595		1
Hope	27	97597		1
Hope	29	97599		1
Hope	31	97601		1
Hope	33	97603		1
Hope	35	97605		1
Hope	37	97607		1
Hope	39	97609		1
Hope	41	97611		1
Hope	43	97613		1
Hope	45	97615		1
Hope	70 thru 85	97640	97655	16
Hope	88	97658		1
Bowser	1 thru 4, 8,9,11,12,14,15	97479	97488	10
Bowser	21	97494		1
Bowser	23	97496		1
Bowser	25	97498		1
Bowser	27	97500		1
Bowser	29	97502		1
Bowser	31	97504		1
Bowser	33	97506		1
Bowser	35	97508		1
Bowser	37	97510		1
Bowser	61 thru 70	97530	97539	10
Bowser	73 thru 76, 11A	97542	97546	5
Bowser	12A	97548		1
Bowser	21A	97553		1
Bowser	23A, 25A, 27A, 29A, 31A, 33A, 35A, 37A, FRAC, #14 FRAC, #15 FRAC	97557	97567	11
Lookout	1 thru 3	23201	23203	3
West Incline	1 thru 3	97568	97570	3
Hop	3-R	394138		1
Hop	4R	230641		1
TIA	TIA, 1 thru 13	97660	97673	14
Total Number of Claims				109

Mount Hope Mining Claims
Staked not Filed

Idaho General Mines, Inc.

Claim Name	Numbers	BLM NMC# Beginning	Ending	Quantity
Bowser	51, 53, 55, 57, 59, 58, 60			7
NET*	1 thru 322			322
SD*	81 thru 108			28
WC*	58, 59, 60, 61			4
ET*	186 thru 235			50
*note	new claims staked 1450-ft by 600-ft so if required can be split in 725-ft by 600-ft (5-acre) millsite claims			
Total Number of Claims				411