0029

ACT/007/005 #2

Date: 8 SEPT 1997

FAX COVER SHEET

TO: WAYNE WESTERN
COMPANY: DOGM
FAX NO:

FROM: GARY TAYLOR
Skyline Mines
P.O. Box 719
Helper, UT 84526
Fax Number: (801) 636-2632
Direct Dial: (801) 636- 2620

PAGES: 14 (including this one)

NOTES:

Confidentiality Notice: This message is intended only for the use of the individual or entity designated above, is confidential, and may contain information that is legally privileged or exempt from disclosure under applicable law. You are hereby notified that any dissemination, distribution, copying, or use of or reliance upon the information contained in and transmitted with this facsimile transmission by or to anyone other than the recipient designated above by the sender is *not authorized and strictly prohibited.* If you have received this communication in error, please immediately notify the sender by telephone and return it to the sender by U.S. Mail, or destroy it if authorization is granted by the sender.

If you have any trouble receiving the above specified pages, please call sender.

BONDING CALCULATION
SKYLINE MINE - ACT/007/005
REVISED: 04-Sep-97
PREPARED BY: GARY TAYLOR

BOND SUMMARY

I. SUBTOTAL DEMOLITION AND REMOVAL	$1,861,586.49
II. SUBTOTAL BACKFILLING AND GRADING	$384,103.01
III. SUBTOTAL TOPSOIL PREPARATION AND DISTRIBUTION	$415,631.58
IV. SUBTOTAL STREAM CHANNEL RECLAMATION	$445,949.62
V. SUBTOTAL REVEGETATION	$137,107.21
VI. SUBTOTAL INTERIM SEDIMENT CONTROL FACILITIES	$59,634.15
SUBTOTAL OF RECLAMATION COSTS	$3,253,892.06
MOBILIZATION AND DEMOBILIZATION 5 %	$164,694.60
MAINTENANCE AND MONITORING COST - 10%	$329,389.21
CONTINGENCY FOR ANTICIPATED ADDITIONAL BONDING COSTS - 15%	$494,083.81
CONTINGENCY FOR ENGINEERING COSTS - 5%	$164,694.60
CONTRACT MANAGEMENT @ 5%	$164,694.60
SUBTOTAL INDIRECT COSTS	$1,317,556.83
SUBTOTAL IN 1997 DOLLARS	$4,811,448.91
SUBTOTAL WITH ESCALATION @ 2.52%/YR FOR 4 YEARS (1997 DOLLARS)	$464,834.05
TOTAL COST IN 2001 DOLLARS	$5,076,282.96
TOTAL BOND AMOUNT ROUNDED TO NEAREST $1,000 IN 2001 DOLLARS	$5,076,000.00

Note: The historical numbers and equipment productivity calculations are found in Section 17, Volume 5.

UNIT COST REFERENCE FOR BOND ESTIMATE:

1. LABOR AND SUPERVISION COSTS (MEANS SITE WORK COST DATA - 1990)

TRADE	RATE/HR
FOREMAN	$42.84
EQUIPMENT OPERATOR	$39.14
TRUCK DRIVER	$26.84
LABORER	$27.54
CRANE OPERATOR	$40.34

2. EQUIPMENT COSTS INCLUDING OPERATOR (BLUE BOOK AND MEANS)

EQUIPMENT	MONTHLY RATE *	ADJ. RATE PER HOUR	MAINT. PER HOUR	OPERATOR PER HOUR	TOTAL PER HOUR
D9 DOZER CAT D9N	$20,000.00	$113.64	$43.30	$39.14	$196.08
D8 DOZER CAT D8L	$14,500.00	$82.39	$37.09	$39.14	$158.62
D6 DOZER CAT D6N	$8,100.00	$46.02	$18.69	$39.14	$103.85
7YD LOADER CAT 988B	$18,000.00	$102.27	$43.99	$39.14	$185.40
OFF-HIGHWAY TRUCK 769C	$12,000.00	$68.18	$31.63	$28.84	$128.65
20YD SCRAPER CAT 631E	$18,000.00	$102.27	$64.46	$39.14	$205.87
TRACTOR CASE 580K	$3,483.64	$19.79	$7.02	$39.14	$65.95
GRADER CAT 14G	$10,000.00	$56.82	$21.45	$39.14	$117.41
3/4TON 4X4 PICKUP TRUCK	$658.09	$3.74	$5.69	$0.00	$9.43
P&H OMEGA 65 CRANE	$13,584.38	$77.18	$43.58	$40.34	$161.11
10 TON DUMP TRUCK	$3,399.11	$19.31	$19.03	$28.84	$67.18
3YD EXCAVATOR CAT 370	$12,700.00	$72.16	$44.79	$39.14	$156.09
TRACTOR DEERE 410C	$3,676.84	$20.89	$8.11	$39.14	$68.14
EIMCO 915 LHD	$8,795.93	$38.61	$26.68	$39.14	$104.43
CAT 370 EXCAVATOR WITH HYD. HAMMER	$25,400.00	$144.32	$44.79	$39.14	$228.25

*MONTHLY RATES USED ON ALL EQUIPMENT DUE TO SIZE OF RECLAMATION PROJECT.

3. DEMOLITION AND REMOVAL COSTS (MEANS SITE WORK COST DATA - 1990)

JOB	LABEL	COST/UNIT
STEEL DISPOSAL - 2,000 TONS AND 25 TONS HAULED PER TRIP	STRIPS	$400.00 /TRIP
CONCRETE BREAKAGE MINESITE	CONM	$24.00 /YD3
CONCRETE BREAKAGE AND HAUL - LOADOUT	CONL	$39.79 /YD3
MIXED STEEL/CONC./WOOD	MIX	$0.23 /FT3
CONCRETE	CONC	$0.30 /FT3
STEEL	STEEL	$0.21 /FT3
PAVEMENT	PAVE	$3.81 /FT2
WATERLINES	WATER	$6.27 /FT
POWERLINES	POWER	$4.16 /FT
CHAIN LINK FENCE	FENCE	$1.54 /FT
GUARD RAIL REMOVAL	GUARD	$5.64 /FT
DISPOSAL ON SITE	SITE	$8.40 /YD3
DISPOSAL TO LANDFILL	FILL	$9.20 /YD3
STRAW MULCH	STRAW	$161.00 /TON
SEED MIX	SEED	$288.00 /ACRE
FERTILIZER	FERTILIZE	$236.00 /TON
HYDROMULCH & SACIFIER	TACK	$345.00 /ACRE
RIPRAP MATERIAL RANDOM - INSTALL	RIPRAP	$29.00 /YD3
RIPRAP MATERIAL +18" SIZE - INSTALLED	LARGERAP	$59.00 /YD3
FILTER MATERIAL - INSTALLED	FILTER	$29.00 /YD3
AQUALIGHT	AQUALIGHT	$28.33 /YD3
AQUALIGHT PUMP	PUMP	$29.00 /HOUR
SILT FENCE - INSTALLED	SILT	$3.27 /FT
MULCHING - POWER MULCHER - INCLUDES HAY	MULCH	$1,001.88 /ACRE
MULCHING- HYDROMULCHING - INCLUDES MULCH	HYDROMLCH	$1,123.96 /ACRE
SEEDING - HYDROSEEDING	HYDROSEED	$1,066.46 /ACRE
- TRACTOR SPREADER	BROADCAST	$703.28 /ACRE
- PUSH SPREADER	HANDSEED	$1,584.93 /ACRE
POLYPROPYLENE MESH - INSTALLED	MESH	$11,078.34 /ACRE
PLASTIC NETTING - INSTALLED	NET	$3,339.00 /ACRE
STEM PLANTINGS	STEM	$1.15 /STEM
WASTE DISPOSAL - 778.47 FT3 PER CONTAINER	WASTE	$196.00 /CONTAINER

DETAILED COST ESTIMATE:

DESCRIPTION	MATERIALS	QUANTITY	/UNIT	COST	/UNIT	AMOUNT
I. DEMOLITION AND REMOVAL						
A. EQUIPMENT (NO SALVAGE VALUE ALLOWED ON EQUIPMENT)		1,525	TONS	$161.00	TONS	$245,525.00
B. STRUCTURES						
STEEL HAULED OF SITE	STRIP	80	TRIPS	$400.00	TRIPS	$32,000.00
SHOP-WAREHOUSE	MIX	1,969,000	FT3	$0.23	FT3	$452,870.00
SHOP-WAREOUSE - WASTE	WASTE	505	CONTAINER	$196.00	CONTAINER	$98,980.00
ADMINISTRATION BUILDING	MIX	78,600	FT3	$0.23	FT3	$17,940.00
ADMINISTRATION BUILDING - WASTE	WASTE	20	CONTAINER	$196.00	CONTAINER	$3,920.00
MINE #1 TRANSFER TOWER	MIX	186,040	FT3	$0.23	FT3	$42,789.20
MINE #1 TRANSFER TOWER - WASTE	WASTE	48	CONTAINER	$196.00	CONTAINER	$9,408.00
MINE #2 DRIVE HOUSE	MIX	38,750	FT3	$0.30	FT3	$11,625.00
MINE #2 DRIVE HOUSE - WASTE	WASTE	10	CONTAINER	$196.00	CONTAINER	$1,960.00
MINE #2 & #3 DRIVE HOUSE	MIX	180,000	FT3	$0.23	FT3	$41,400.00
MINE #2 & #3 DRIVE HOUSE - WASTE	WASTE	46	CONTAINER	$196.00	CONTAINER	$9,016.00
CRUSHER - RAW COAL	MIX	88,000	FT3	$0.23	FT3	$20,240.00
CRUSHER - RAW COAL - WASTE	WASTE	23	CONTAINER	$196.00	CONTAINER	$4,508.00
TRUCK LOADOUT	MIX	30,000	FT3	$0.23	FT3	$6,900.00
TRUCK LOADOUT - WASTE	WASTE	8	CONTAINER	$196.00	CONTAINER	$1,568.00
RAILCAR LOADOUT	MIX	118,000	FT3	$0.23	FT3	$27,140.00
RAILCAR LOADOUT - WASTE	WASTE	30	CONTAINER	$196.00	CONTAINER	$5,880.00
CONVEYORS (8)	MIX	357,960	FT3	$0.23	FT3	$82,330.80
WATER TANKS (2)	STEEL	45,800	FT3	$0.21	FT3	$9,618.00
PUMP HOUSE	MIX	860	FT3	$0.23	FT3	$197.80
PUMP HOUSE - WASTE	WASTE	1	CONTAINER	$196.00	CONTAINER	$196.00
WELL HOUSE (3)	MIX	24,000	FT3	$0.23	FT3	$5,520.00
WELL HOUSE (3) - WASTE	WASTE	6	CONTAINER	$196.00	CONTAINER	$1,176.00
WATER TREATMENT BUILDING	MIX	90,000	FT3	$0.23	FT3	$20,700.00
WATER TREATMENT BUILDING	WASTE	23	CONTAINER	$196.00	CONTAINER	$4,508.00
MISC. STORAGE BUILDING	MIX	6,255	FT3	$0.23	FT3	$1,440.96
MISC. STORAGE BUILDING - WASTE	WASTE	2	CONTAINER	$196.00	CONTAINER	$392.00
OVERLAND CONVEYOR	MIX	480,000	FT3	$0.23	FT3	$110,400.00
OVERLAND CONVEYOR - WASTE	WASTE	123	CONTAINER	$196.00	CONTAINER	$24,108.00
GUARD RAIL	GUARD	1,500	FT.	$4.90	FT.	$7,350.00
ROCK DUST BUILDING	STEEL	15,504	FT3	$0.21	FT3	$3,255.84
VERLAND DUST COLLECTOR	STEEL	4,800	FT3	$0.21	FT3	$1,008.00
SUBSTATION	STEEL	1,000	FT3	$0.21	FT3	$210.00
POWER LINES	POWER	300	FT	$4.16	FT	$1,248.00
CAP MAGIZINE	STEEL	125	FT3	$0.21	FT3	$26.25
FUEL STORAGE FACILITIES	STEEL	140	FT3	$0.21	FT3	$29.40
PROPANE TANKS	STEEL	38	FT3	$0.21	FT3	$7.98
C. CONCRETE/PAVEMENT REMOVAL						
UPPER TERRACE AREA						
CONVEYOR FOUNDATION	CONM	47	YD3	$24.00	YD3	$1,130.67
STACK TUBE	CONM	237	YD3	$24.00	YD3	$5,697.78
RECLAIM TUNNEL	CONM	1,960	YD3	$24.00	YD3	$47,031.11
SLOPE PROTECTION APRON	CONM	753	YD3	$24.00	YD3	$18,080.00
ROCK DUST BUILDING	CONM	69	YD3	$24.00	YD3	$1,685.78
MIDDLE TERRACE AREA						
SHOP-WHSE FOUNDATION	CONM	190	YD3	$24.00	YD3	$4,560.00
#1 TRANSFER TOWER	CONM	66	YD3	$24.00	YD3	$1,584.00
CONVEYOR FOUNDATIONS	CONM	54	YD3	$24.00	YD3	$1,296.00
RAW COAL SILO	CONM	680	YD3	$24.00	YD3	$16,320.00
PARKING AREA	PAVE	1,260	YD3	$3.94	YD3	$4,926.60
CONCRETE LINED DITCH	CONM	21	YD3	$24.00	YD3	$506.87
FUEL STORAGE FACILITIES FOUNDATIONS	CONM	37	YD3	$24.00	YD3	$890.67
SUBSTATION FOUNDATIONS	CONM	74	YD3	$24.00	YD3	$1,785.78

LOWER TERRACE AREA						
CRUSHER FOUNDATION	CONM	108	YD3	$24.00	YD3	$2,592.00
#2 & #3 DRIVE HOUSE	CONM	136	YD3	$24.00	YD3	$3,263.33
CONVEYOR FOUNDATIONS	CONM	90	YD3	$24.00	YD3	$2,160.00
TRUCK LOADOUT FOUNDATION	CONM	10	YD3	$24.00	YD3	$240.00
ROAD AND PAD PAVEMENT	PAVE	14,670	FT2	$3.91	FT2	$57,359.70
MISC. STORAGE BUILDINGS	CONM	114	YD3	$24.00	YD3	$2,725.33
PROPANE TANK FOUNDATIONS	CONM	22	YD3	$24.00	YD3	$533.33
ACCESS ROAD AREA						
CONVEYOR FOUNDATIONS	CONM	1,200	YD3	$24.00	YD3	$28,800.00
RAIL LOADOUT AREA						
SILO WALLS	CONL	6,028	YD3	$39.79	YD3	$239,845.28
LOADOUT FOUNDATIONS	CONL	248	YD3	$39.79	YD3	$9,882.96
PAVING	PAVE	4,660	FT2	$3.91	FT2	$18,220.60
PUMP HOUSE	CONL	46	YD3	$39.79	YD3	$1,827.39
ON SITE DISPOSAL (CONC.)	CONC	5,669	YD3	$6.40	YD3	$37,561.60
ON SITE DISPOSAL (PAVE)	PAVE	6,795	YD3	$6.40	YD3	$43,488.00
SUBTOTAL DEMOLITION AND REMOVAL						$1,861,566.49

II. BACKFILLING AND GRADING

DESCRIPTION	EQUIPMENT	MATERIAL CALCULATION	UNITS	COST	UNIT	AMOUNT
A. PORTAL BACKFILLING (18)						
MINE #1 (4)**	EIMCO 915	850	YD3/PORTAL**			
MINE #2(3)*		1,330	YD3/PORTAL*			
MINES 63 (7)**		16,740	YD3			
SOUTH FORK (4)**		79.15	YD3/HR			
		211.50	HRS	$104.43	HR	$22,087.33
B. WATER TANK 0.26 ACRES	CAT D8L (1)	0	YD3/CUT			
	CAT 988B (1)	1,663	YD3/FILL			
	TRUCK 769C (3)	276.16	YD3/HR			
	PICKUP (1)	6.09	HRS	$782.24	HR	$4,767.22
	FOREMAN (1)					
C. MINE FACILITIES AREA						
LOWER TERRACE 11.4 ACRES	CAT D8L (1)	39,719	YD3/CUT			
	CAT 631E (3)	103,352	YD3/FILL			
	PICKUP (1)	1,300	YD3/HR			
	FOREMAN (1)	79.50	HRS	$828.50	HR	$65,867.32

MIDDLE BENCH 13.40 ACRES	CAT D8L (1)	159,200 YD3/CUT			
	CAT 631E (3)	7,350 YD3/FILL			
	PICKUP (1)	1,300 YD3/HR			
	FOREMAN (1)	122.46 HRS	$828.50	HR	$101,459.84
UPPER BENCH 13.40 ACRES WEST FORK					
	CAT D8L (1)	46,607 YD3/CUT			
	CAT 631E (3)	48,744 YD3/FILL			
	PICKUP (1)	1,300 YD3/HR			
	FOREMAN (1)	37.50 HRS	$828.50	HR	$31,085.06
SOUTHWEST FORK					
	CAT D8L (1)	15,667 YD3/CUT			
	CAT 631E (3)	85,800 YD3/FILL			
	PICKUP (1)	1,300 YD3/HR			
	FOREMAN (1)	66.00 HRS	$828.50	HR	$54,681.24
LOADOUT FACILITIES AREA 13.82 ACRES					
	CAT D8L (1)	96,149 YD3/CUT			
	CAT 631E (3)	96,445 YD3/FILL			
	PICKUP (1)	1,693 YD3/HR			
	FOREMAN (1)	88.78 HRS	$828.50	HR	$73,554.76
E. OVERLAND CONVEYOR .39 ACRES NO EARTHWORK PROPOSED					
F. WASTE ROCK DISPOSAL SITE 6.29 ACRES EARTHWORK PROPOSED TO FILL IN SED PONDS	CAT 245 (1)	2,132 YD3/FILL			
	10 T DUMP (2)	517 YD3/HR			
	CAT 988B (1)	4.12 HRS	$312.21	HR	$1,287.49
	CAT D6N (1)				
	PICKUP				
	FOREMAN				
G. SOUTH FORK PORTAL AREA .96 ACRES	CAT 245 (1)**	2,840 YD3/FILL			
	10 T DUMP (2)*	710 YD3/CUT			
	CAT 988B (1)*	2,130 YD3			
	CAT D6N (1)**	28.21 YD3/HR			
	PICKUP	517.65 YD3/HR			
	FOREMAN	25.17 HRS	$319.77	HR*	$8,048.07
		4.11 HRS	$312.21	HR**	$1,284.67
SUBTOTAL BACKFILLING AND GRADING					$364,103.01

III. TOPSOIL PREPARATION AND DISTRIBUTION

DESCRIPTION	EQUIPMENT	MATERIAL CALCULATION	UNITS	COST	UNIT	AMOUNT
A. WATER TANK 0.26 ACRES 1 FT. SOIL DEPTH	CAT 769C (1) CAT 988 (1) CAT D8L (1) PICKUP (1) FOREMAN (1)	419 92.00 4.58	YD3 YD3/HR HRS	$524.94	HR	$2,392.64
RIPPING	DEERE 410 (1) LABORER	0.26 1	ACRES ACRE/HR HRS	$131.39	HR	$34.16
B. MINE FACILITIES AREA						
LOWER TERRACE 11.4 ACRES 7.00 AC @ 1.5 FT. DEPTH 4.4 AC @ 1 FT. DEPTH	CAT 631E (5) CAT D8L (1) PICKUP FOREMAN	16,940 7,099 24,039 1,140	YD3 YD3 YD3 YD3/HR HRS	$1,240.25	HR	$26,152.58
RIPPING	CAT 14G (1) DEERE 410C (1) LABORER	21.09	HRS	$213.09	HR	$4,494.05
MIDDLE BENCH 11.6 ACRES 6.36 AC @ 1.5 FT. DEPTH 5.24 AC @ 1 FT. DEPTH	CAT 631E (5) CAT D8L (1) PICKUP FOREMAN	15,391 8,454 23,845 1,140	YD3 YD3 YD3 YD3/HR HRS	$1,240.25	HR	$25,941.95
RIPPING	CAT 14G (1) DEERE 410C (1) LABORER	20.92	HRS	$213.09	HR	$4,457.13
UPPER BENCH 13.4 ACRES 6.67 AC @ 1.5 FT. DEPTH 6.73 AC @ 1 FT. DEPTH	CAT 631E (5) CAT D8L (1) PICKUP FOREMAN	16,141 10,858 26,999 1,140	YD3 YD3 YD3 YD3/HR HRS	$1,240.25	HR	$29,373.38
RIPPING	CAT 14G (1) DEERE 410C (1) LABORER	9.62	HRS	$213.09	HR	$2,028.61

C. LOADOUT FACILITIES 10.52 AC @ 1.5 FT. DEPTH 3.30 AC @ 1 FT. DEPTH	CAT 631E (3) CAT D9L (1) PICKUP FOREMAN
RIPPING	CAT 14G (1) DEERE 410C (1) LABORER
D. OVERLAND CONVEYOR 0.39 ACRES 0.39 AC @ 1 FT. DEPTH	DUMP (1) CAT 245 (1) PICKUP FOREMAN
E. WASTE ROCK DISPOSAL SITE 6.29 ACRES 6.29 AC @ 1 FT. DEPTH IMPORTED FROM MINESITE AREA.	DUMP (3) CAT 245 (1) PICKUP FOREMAN
RIPPING	CAT 14G (1) DEERE 410C (1) LABORER
F. SOUTH FORK PORTAL AREA 0.3 AC @ 1.5 FT. DEPTH 0.55 AC @ 1 FT. DEPTH	CAT 988B (1) CAT D6N (1) PICKUP FOREMAN
RIPPING	DEERE 410C (1) LABORER
SUBTOTAL TOPSOIL PREARTATION AND DISTRIBUTION.	

BONDING CALCULATION
SKYLINE MINE - ACT/007/005
REVISED: 04-Sep-97
PREPARED BY: GARY TAYLOR

BOND SUMMARY

I. SUBTOTAL DEMOLITION AND REMOVAL	$1,861,566.49
II. SUBTOTAL BACKFILLING AND GRADING	$384,103.01
III. SUBTOTAL TOPSOIL PREPARATION AND DISTRIBUTION	$415,631.58
IV. SUBTOTAL STREAM CHANNEL RECLAMATION	$445,849.62
V. SUBTOTAL REVEGETATION	$137,107.21
VI. SUBTOTAL INTERIM SEDIMENT CONTROL FACILITIES	$69,634.15
SUBTOTAL OF RECLAMATION COSTS	$3,253,892.06
MOBILIZATION AND DEMOBILIZATION 5 %	$164,694.60
MAINTENANCE AND MONITORING COST - 10%	$329,389.21
CONTINGENCY FOR ANTICIPATED ADDITIONAL BONDING COSTS - 15%	$494,083.81
CONTINGENCY FOR ENGINEERING COSTS - 5%	$164,694.60
CONTRACT MANAGEMENT @ 5%	$164,694.60
SUBTOTAL INDIRECT COSTS	$1,317,556.83
SUBTOTAL IN 1997 DOLLARS	$4,811,448.91
SUBTOTAL WITH ESCALATION @ 2.52%/YR FOR 4 YEARS (1997 DOLLARS)	$464,834.05
TOTAL COST IN 2001 DOLLARS	$5,076,282.96
TOTAL BOND AMOUNT ROUNDED TO NEAREST $1,000 IN 2001 DOLLARS	$5,076,000.00

Note: The historical numbers and equipment productivity calculations are found in Section 17, Volume 5.

UNIT COST REFERENCE FOR BOND ESTIMATE:

1. LABOR AND SUPERVISION COSTS (MEANS SITE WORK COST DATA - 1990)

TRADE	RATE/HR
FOREMAN	$42.84
EQUIPMENT OPERATOR	$39.14
TRUCK DRIVER	$26.84
LABORER	$27.64
CRANE OPERATOR	$40.34

2. EQUIPMENT COSTS INCLUDING OPERATOR (BLUE BOOK AND MEANS)

EQUIPMENT	MONTHLY RATE *	ADJ. RATE PER HOUR	MAINT. PER HOUR	OPERATOR PER HOUR	TOTAL PER HOUR
D9 DOZER CAT D9N	$20,000.00	$113.84	$43.30	$39.14	$196.08
D8 DOZER CAT D8L	$14,500.00	$82.38	$37.09	$39.14	$158.62
D6 DOZER CAT D6N	$8,100.00	$46.02	$18.69	$39.14	$103.85
7YD LOADER CAT 988B	$18,000.00	$102.27	$43.99	$39.14	$185.40
OFF-HIGHWAY TRUCK 769C	$12,000.00	$68.18	$31.63	$28.84	$128.65
20YD SCRAPER CAT 631E	$18,000.00	$102.27	$54.46	$39.14	$205.87
TRACTOR CASE 580K	$3,483.64	$19.79	$7.02	$39.14	$65.95
GRADER CAT 14G	$10,000.00	$56.82	$21.45	$39.14	$117.41
3/4TON 4X4 PICKUP TRUCK	$659.09	$3.74	$5.69	$0.00	$9.43
P&H OMEGA 65 CRANE	$13,584.38	$77.18	$43.59	$40.34	$161.11
10 TON DUMP TRUCK	$3,399.11	$19.31	$19.03	$28.84	$67.18
3YD EXCAVATOR CAT 370	$12,700.00	$72.16	$44.79	$39.14	$156.09
TRACTOR DEERE 410C	$3,676.84	$20.89	$8.11	$39.14	$68.14
EIMCO 915 LHD	$6,795.93	$38.61	$25.68	$39.14	$104.43
CAT 370 EXCAVATOR WITH HYD. HAMMER	$25,400.00	$144.32	$44.79	$39.14	$228.25

*MONTHLY RATES USED ON ALL EQUIPMENT DUE TO SIZE OF RECLAMATION PROJECT.

3. DEMOLITION AND REMOVAL COSTS (MEANS SITE WORK COST DATA - 1990)

JOB	LABEL	COST/UNIT
STEEL DISPOSAL - 2,000 TONS AND 25 TONS HAULED PER TRIP	STRIPS	$400.00 /TRIP
CONCRETE BREAKAGE MINESITE	CONM	$24.00 /YD3
CONCRETE BREAKAGE AND HAUL - LOADOUT	CONL	$39.79 /YD3
MIXED STEEL/CONC.W/WOOD	MIX	$0.23 /FT3
CONCRETE	CONC	$0.30 /FT3
STEEL	STEEL	$0.21 /FT3
PAVEMENT	PAVE	$3.81 /FT2
WATERLINES	WATER	$6.27 /FT
POWERLINES	POWER	$4.16 /FT
CHAIN LINK FENCE	FENCE	$1.54 /FT
GUARD RAIL REMOVAL	GUARD	$5.64 /FT
DISPOSAL ON SITE	SITE	$8.40 /YD3
DISPOSAL TO LANDFILL	FILL	$9.20 /YD3
STRAW MULCH	STRAW	$161.00 /TON
SEED MIX	SEED	$288.00 /ACRE
FERTILIZER	FERTILIZE	$236.00 /TON
HYDROMULCH & SACIFIER	TACK	$345.00 /ACRE
RIPRAP MATERIAL RANDOM - INSTALL	RIPRAP	$29.00 /YD3
RIPRAP MATERIAL +18" SIZE - INSTALLED	LARGERAP	$59.00 /YD3
FILTER MATERIAL - INSTALLED	FILTER	$29.00 /YD3
AQUALIGHT	AQUALIGHT	$29.33 /YD3
AQUALIGHT PUMP	PUMP	$29.00 /HOUR
SILT FENCE - INSTALLED	SILT	$3.27 /FT
MULCHING - POWER MULCHER - INCLUDES HAY	MULCH	$1,001.88 /ACRE
MULCHING- HYDROMULCHING - INCLUDES MULCH	HYDROMLCH	$1,123.96 /ACRE
SEEDING - HYDROSEEDING	HYDROSEED	$1,065.46 /ACRE
- TRACTOR SPREADER	BROADCAST	$703.28 /ACRE
- PUSH SPREADER	HANDSEED	$1,584.93 /ACRE
POLYPROPYLENE MESH - INSTALLED	MESH	$11,076.34 /ACRE
PLASTIC NETTING - INSTALLED	NET	$3,339.00 /ACRE
STEM PLANTINGS	STEM	$1.15 /STEM
WASTE DISPOSAL - 778.47 FT3 PER CONTAINER	WASTE	$196.00 /CONTAINER

DETAILED COST ESTIMATE:

DESCRIPTION	MATERIALS	QUANTITY	/UNIT	COST	/UNIT	AMOUNT
I. DEMOLITION AND REMOVAL						
A. EQUIPMENT (NO SALVAGE VALUE ALLOWED ON EQUIPMENT)		1,525	TONS	$161.00	TONS	$245,525.00
B. STRUCTURES						
STEEL HAULED OF SITE	STRIP	80	TRIPS	$400.00	TRIPS	$32,000.00
SHOP-WAREHOUSE	MIX	1,969,000	FT3	$0.23	FT3	$452,870.00
SHOP-WAREDUSE - WASTE	WASTE	505	CONTAINER	$196.00	CONTAINER	$98,980.00
ADMINISTRATION BUILDING	MIX	78,000	FT3	$0.23	FT3	$17,940.00
ADMINISTRATION BUILDING - WASTE	WASTE	20	CONTAINER	$196.00	CONTAINER	$3,920.00
MINE #1 TRANSFER TOWER	MIX	186,040	FT3	$0.23	FT3	$42,789.20
MINE #1 TRANSGER TOWER - WASTE	WASTE	48	CONTAINER	$196.00	CONTAINER	$9,408.00
MINE #2 DRIVE HOUSE	MIX	38,750	FT3	$0.30	FT3	$11,625.00
MINE #2 DRIVE HOUSE - WASTE	WASTE	10	CONTAINER	$196.00	CONTAINER	$1,960.00
MINE #2 & #3 DRIVE HOUSE	MIX	180,000	FT3	$0.23	FT3	$41,400.00
MINE #2 & #3 DRIVE HOUSE - WASTE	WASTE	46	CONTAINER	$196.00	CONTAINER	$9,016.00
CRUSHER - RAW COAL	MIX	88,000	FT3	$0.23	FT3	$20,240.00
CRUSHER - RAW COAL - WASTE	WASTE	23	CONTAINER	$196.00	CONTAINER	$4,508.00
TRUCK LOADOUT	MIX	30,000	FT3	$0.23	FT3	$6,900.00
TRUCK LOADOUT - WASTE	WASTE	8	CONTAINER	$196.00	CONTAINER	$1,568.00
RAILCAR LOADOUT	MIX	118,000	FT3	$0.23	FT3	$27,140.00
RAILCAR LOADOUT - WASTE	WASTE	30	CONTAINER	$196.00	CONTAINER	$5,880.00
CONVEYORS (8)	MIX	357,980	FT3	$0.23	FT3	$82,330.80
WATER TANKS (2)	STEEL	46,600	FT3	$0.21	FT3	$9,828.00
PUMP HOUSE	MIX	860	FT3	$0.23	FT3	$197.80
PUMP HOUSE - WASTE	WASTE	1	CONTAINER	$196.00	CONTAINER	$196.00
WELL HOUSE (3)	MIX	24,000	FT3	$0.23	FT3	$5,520.00
WELL HOUSE (3) - WASTE	WASTE	6	CONTAINER	$196.00	CONTAINER	$1,176.00
WATER TREATMENT BUILDING	MIX	90,000	FT3	$0.23	FT3	$20,700.00
WATER TREATMENT BUILDING	WASTE	23	CONTAINER	$196.00	CONTAINER	$4,508.00
MISC. STORAGE BUILDING	MIX	6,255	FT3	$0.23	FT3	$1,440.96
MISC. STORAGE BUILDING - WASTE	WASTE	2	CONTAINER	$196.00	CONTAINER	$392.00
OVERLAND CONVEYOR	MIX	480,000	FT3	$0.23	FT3	$110,400.00
OVERLAND CONVEYOR - WASTE	WASTE	123	CONTAINER	$196.00	CONTAINER	$24,108.00
GUARD RAIL	GUARD	1,500	FT.	$4.90	FT.	$7,350.00
ROCK DUST BUILDING	STEEL	15,504	FT3	$0.21	FT3	$3,255.84
OVERLAND DUST COLLECTOR	STEEL	4,800	FT3	$0.21	FT3	$1,008.00
SUBSTATION	STEEL	1,000	FT3	$0.21	FT3	$210.00
POWER LINES	POWER	300	FT	$4.16	FT	$1,248.00
CAP MAGIZINE	STEEL	125	FT3	$0.21	FT3	$26.25
FUEL STORAGE FACILITIES	STEEL	140	FT3	$0.21	FT3	$29.40
PROPANE TANKS	STEEL	38	FT3	$0.21	FT3	$7.98
C. CONCRETE/PAVEMENT REMOVAL						
UPPER TERRACE AREA						
CONVEYOR FOUNDATION	CONM	47	YD3	$24.00	YD3	$1,130.67
STACK TUBE	CONM	237	YD3	$24.00	YD3	$5,697.78
RECLAIM TUNNEL	CONM	1,960	YD3	$24.00	YD3	$47,031.11
SLOPE PROTECTION APRON	CONM	753	YD3	$24.00	YD3	$18,080.00
ROCK DUST BUILDING	CONM	69	YD3	$24.00	YD3	$1,685.78
MIDDLE TERRACE AREA						
SHOP-WHSE FOUNDATION	CONM	190	YD3	$24.00	YD3	$4,560.00
#1 TRANSFER TOWER	CONM	66	YD3	$24.00	YD3	$1,584.00
CONVEYOR FOUNDATIONS	CONM	54	YD3	$24.00	YD3	$1,296.00
RAW COAL SILO	CONM	680	YD3	$24.00	YD3	$16,320.00
PARKING AREA	PAVE	1,260	YD3	$3.91	YD3	$4,926.60
CONCRETE LINED DITCH	CONM	21	YD3	$24.00	YD3	$506.67
FUEL STORAGE FACILITIES FOUNDATIONS	CONM	37	YD3	$24.00	YD3	$890.67
SUBSTATION FOUNDATIONS	CONM	74	YD3	$24.00	YD3	$1,785.78

LOWER TERRACE AREA						
CRUSHER FOUNDATION	CONM	108	YD3	$24.00	YD3	$2,592.00
#2 & #3 DRIVE HOUSE	CONM	136	YD3	$24.00	YD3	$3,253.33
CONVEYOR FOUNDATIONS	CONM	90	YD3	$24.00	YD3	$2,160.00
TRUCK LOADOUT FOUNDATION	CONM	10	YD3	$24.00	YD3	$240.00
ROAD AND PAD PAVEMENT	PAVE	14,670	FT2	$3.91	FT2	$57,359.70
MISC. STORAGE BUILDINGS	CONM	114	YD3	$24.00	YD3	$2,725.33
PROPANE TANK FOUNDATINS	CONM	22	YD3	$24.00	YD3	$533.33
ACCESS ROAD AREA						
CONVEYOR FOUNDATIONS	CONM	1,200	YD3	$24.00	YD3	$28,800.00
RAIL LOADOUT AREA						
SILO WALLS	CONL	6,028	YD3	$39.79	YD3	$239,845.28
LOADOUT FOUNDATIONS	CONL	248	YD3	$39.79	YD3	$9,882.96
PAVING	PAVE	4,660	FT2	$3.91	FT2	$18,220.60
PUMP HOUSE	CONL	46	YD3	$39.79	YD3	$1,827.39
ON SITE DISPOSAL (CONC.)	CONC	5,669	YD3	$6.40	YD3	$37,561.60
ON SITE DISPOSAL (PAVE)	PAVE	6,795	YD3	$6.40	YD3	$43,488.00
SUBTOTAL DEMOLITION AND REMOVAL						$1,861,566.49

II. BACKFILLING AND GRADING

DESCRIPTION	EQUIPMENT	MATERIAL CALCULATION	UNITS	COST	UNIT	AMOUNT
A. PORTAL BACKFILLING (18)						
MINE #1 (4)**	EIMCO 915	850	YD3/PORTAL**			
MINE #2(3)*		1,330	YD3/PORTAL*			
MINES #3 (7)**		16,740	YD3			
SOUTH FORK (4)**		79.15	YD3/HR			
		211.50	HRS	$104.43	HR	$22,087.33
B. WATER TANK 0.26 ACRES	CAT D3L (1)	0	YD3/CUT			
	CAT 988B (1)	1,663	YD3/FILL			
	TRUCK 769C (3)	276.16	YD3/HR			
	PICKUP (1)	6.09	HRS	$782.24	HR	$4,767.22
	FOREMAN (1)					
C. MINE FACILITIES AREA						
LOWER TERRACE 11.4 ACRES	CAT D8L (1)	39,719	YD3/CUT			
	CAT 631E (3)	103,352	YD3/FILL			
	PICKUP (1)	1,300	YD3/HR			
	FOREMAN (1)	79.50	HRS	$828.50	HR	$65,867.32