The cut slopes that resulted from obtaining the material required for the compacted fills were engineered so that they did not endanger wildlife and did not make additional contributions to the total suspended solids in stream flows. The overall slope of the cut banks is one horizontal to one vertical (1h:1v). This slope factor is based upon the geotechnical design recommendations (Volume A-3).

The benches that are made of compacted fill were constructed such that each lift was of sufficient height to ensure that maximum compaction occurred. When the benches reached the proper elevation, each bench was tested to ensure that compaction was adequate for building foundations and other structures and met the local and state building codes. Special geotechnical investigations were done on the Middle Fork Bench to insure that adequate design to support the stack tube occurred, and that the Middle Fork 48 inch bypass culvert was adequately protected (see Vol. A-3).

Upon abandonment of the mine site, the benches will be ripped, topsoiled and re-vegetated. The cut slopes will be reduced to a more gradual grade and will be topsoiled and re-vegetated as described in the topsoil and revegetation plans in Sections 4.6 and 4.7. This will allow a return of the mine site to the desired wildlife/grazing (rangeland) habitat.

~~Change house and Shop Complex~~Administration, Warehouse, and Shop Complex

The interior of the building consists of office-training-safety areas, change room areas, analytical laboratory, warehouse storage area, shops and maintenance bays. The building was designed to meet all applicable local and state codes and regulations. The exterior siding is of a material that requires little maintenance throughout the life of the mine.

Mine # C/007/0005
File Incoming
Record # 0010
Doc. Date 2·03·06
Recd. Date 2·08·06

The overland conveyor will be completely removed when mining is completed. The structural steel, exterior siding and conveyor equipment will be salvaged. The concrete footers will be fractured to a minimum of two feet below the surface. The total two feet of concrete will be removed and the hole filled with top soil. Regrading and revegetation of the conveyor route will be performed as discussed in Part 4 of this Renewal Application.

15,000 Ton Storage Silos (Rail Loadout)

Topsoil was removed and stockpiled as discussed in Section 4.6. Following completion of the topsoil removal procedures, the first two storage silos were built. The foundations for the silos were poured and when the concrete was cured, the reclaim tunnel under the silos was formed and poured. Upon completion of the reclaim tunnel construction, the draw points were formed and poured. As soon as the draw points had cured, slip forms were erected and the silos were constructed. The top of the silos were formed and poured once the slip forms had been removed. When the concrete had cured, the conveyor equipment used to fill the silos was installed at the same time as the feeders and reclaim belt.

At a later date, two additional storage silos may be constructed in the same manner described above.

The conveyor equipment and feeders may be maintained in a routine manner to ensure proper function. The silos will require little maintenance because of the concrete construction.

CHANGE TO		TEXT		
Section 3.2.6	Page 3-39	Section 3.2.6	Page 3-39	Date 04/14/93

4.3 COST ESTIMATE FOR PERFORMANCE BOND

Pages 4-12 through 4-26
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PERFORMANCE BOND IS ATTACHED IN THE FOLLOWING PAGES

Performance Bond Table of Contents

Bond Amount Summary Sheet

Demolition Costs

Demolition Cost Summary Sheet	Items 1 - 41
Demolition Spreadsheets	Spreadsheets 1 - 41

Earthwork Costs

Earthwork Cost Summary Sheet	Items 1-14
Earthwork Spreadsheets	Spreadsheets 1 - 14

Revegetation Costs

Revegetation Spreadsheets	Pages 1-2

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Administration, Warehouse, and Shop Complex

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At a later date, two additional storage silos may be constructed in the same manner described above.

The conveyor equipment and feeders may be maintained in a routine manner to ensure proper function. The silos will require little maintenance because of the concrete construction.

CHANGE TO		TEXT		
Section 3.2.6	Page 3-39	Section 3.2.6	Page 3-39	Date 02/02/06

4.3 COST ESTIMATE FOR PERFORMANCE BOND

Pages 4-12 through 4-26
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PERFORMANCE BOND IS ATTACHED IN THE FOLLOWING PAGES

Performance Bond Table of Contents

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Earthwork Cost Summary Sheet	Items 1-14
Earthwork Spreadsheets	Spreadsheets 1 - 14

Revegetation Costs

Revegetation Spreadsheets	Pages 1-2

Bonding Calculations

Direct Costs		
Subtotal Demolition and Removal	$1,936,268.00	
Subtotal Backfilling and Grading	$1,188,312.00	
Subtotal Revegetation	$848,910.00	
Direct Costs	$3,973,490.00	
Indirect Costs		
Mob/Demob	$397,349.00	10.0%
Contingency	$198,675.00	5.0%
Engineering Redesign	$99,337.00	2.5%
Main Office Expense	$270,197.00	6.8%
Project Mainagement Fee	$99,337.00	2.5%
Subtotal Indirect Costs	$1,064,895.00	26.8%
Total Cost 2005	$5,038,385.00	
Escalation factor		4
Number of years		0.012
Escalation	$98,253.00	
Reclamation Cost Escalated	$5,136,638.00	
Bond Amount (rounded to nearest $1,000) 2009 Dollars	$5,137,000.00	
Posted Bond October 13, 2004	$5,076,000.00	
Difference Between Cost Estimate and Bond	-$61,000.00	
Percent Difference	-1.19%	

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
																				367595
	Shop Warehouse 01																			25308
	Administration Bld 02																			35853
	Mine No 1 Transfer Tower 03																			8893
	BC 2 Drive House 04																			36369
	BC 3 Drive House 05																			18741
	Crusher Raw Coal 06																			2592
	Truck Loadout 07																			21764
	Railcar Loadout 08																			87798
	Conveyors 8 total 09																			6084
	Water Tanks Two 10																			1233
	Pump House 11																			4428
	Well House Three 12																			16600
	Water Treatment Bld 13																			3809
	Misc Storage Bld 14																			88532
	Overland Conveyor 15																			18300
	Guard Rail 16																			5642
	Rock Dust Bld 17																			1248
	Overland Dust Collector 18																			1980
	Substation 19																			4605
	Power Line 20																			33
	Cap Magazine 21																			897
	Fuel Storage 22																			527
	Propane Tanks 23																			5516
	Stacking Tube 24																			45632
	Reclaim Tunnel 25																			17532
	Slope Protection Apron 26																			485
	Concrete Lined Ditch 27																			15831
	Raw Coal Silo 28																			2451
	Parking Area Middle 29																			233
	Truck Loadout Foundation 30																			3796
	Road Pad Lower 31																			140333
	Silo Rail Loadout 32																			5769
	Loadout Foundation RR 33																			1215
	Pavement Rail Loadout 34																			6975
	Steel 35																			142752
	James Canyon 36																			6132
	Culvert Backfilling 37																			529279
	Channel Construction 38																			245525
	Equipment 39																			5823
	Portal Face Door 40																			2158
	Concrete Building 41																			
	Total																			1936268

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Shop Warehouse 01																			
	Deduct 50% no interior walls																	1969000	CF	275660
	Structure's Demolition Cost	Mixed Materials Bld. Large	02220 110 0100	0.28	/CF												0.3	21878	CY	
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													21878	CY	87512
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			363172
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																	190	CY	1294
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY												1.3	247	CY	
	Concrete's Vol. Demolished																	247	CY	353
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													247	CY	862
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. tri	02315 490 0320	3.49	/CY													247	CY	1914
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY															4423
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			367595

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Administration Bld 02																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02220 110 0100	0.28	/CF						78000					CF		78000	CF	21840
	Structure's Vol. Demolished																0.3	867	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													867	CY	3468
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			25308
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			25308

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Mine No 1 Transfer Tower 03																			
	Deduct 50% no interior walls																	186040	CF	26046
	Structure's Demolition Cost	Mixed Materials Bld. Large	02220 110 0100	0.28	/CF												0.3	2067	CY	
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													2067	CY	8268
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			34314
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																	66	CY	449
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY												1.3	86	CY	
	Concrete's Vol. Demolished																	86	CY	123
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													86	CY	300
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													86	CY	667
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY															1589
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			95853

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	BC 2 Drive House 04																			
	Deduct 50% no interior walls																	38750	CF	7169
	Structure's Demolition Cost	Concrete Bld. Large	02220 110 0050	0.37	/CF												0.3	431	CY	
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													431	CY	1724
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			8893
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			[illegible]

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	BC 3 Drive House 05																			
	Deduct 50% no interior walls																	180000	CF	25200
	Structure's Demolition Cost	Mixed Materials Bld. Large	02220 110 0100	0.28	/CF												0.3	2000	CY	
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													2000	CY	8000
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			33200
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													136	CY	926
	Concrete's Vol. Demolished																1.3	177	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													177	CY	253
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. tri	02315 490 0320	3.49	/CY													177	CY	618
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													177	CY	1372
	Subtotal																			3168
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			36368

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Crusher Raw Coal 06																			
	Deduct 50% no interior walls																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02220 110 0100	0.28	/CF						88000					CF		88000	CF	12320
	Structure's Vol. Demolished																0.3	978	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													978	CY	3912
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			16232
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													108	CY	735
	Concrete's Vol. Demolished																1.3	140	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													140	CY	200
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													140	CY	489
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													140	CY	1085
	Subtotal																			2509
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			19741

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Truck Loadout 07																			
	Deduct 50% no interior walls																			
	Structure's Demolition Cost	Mixed Materials Bid. Large	02220 110 0100	0.28	/CF						30000					CF		30000	CF	1260
	Structure's Vol. Demolished																0.3	333	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													333	CY	1332
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			2592
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			2592

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Railcar Loadout 08																			
	Deduct 50% no interior walls																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02220 110 0100	0.28	/CF													118000	CF	16520
	Structure's Vol. Demolished																0.3	1311	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													1311	CY	5244
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			21764
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			21764

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Conveyors 8 total 09																			
	Deduct 50% no interior walls																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02220 110 0100	0.28	/CF													357960	CF	50114
	Structure's Vol. Demolished																0.1	1326	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													1326	CY	5304
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			55418
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Upper Terrace Area																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													47	CY	320
	Concrete's Vol. Demolished																1.3	61	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													61	CY	87
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													61	CY	213
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													61	CY	473
	Subtotal																			1093
	Middle Terrace Area																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													54	CY	368
	Concrete's Vol. Demolished																1.3	70	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													70	CY	100
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													70	CY	244
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													70	CY	543
	Subtotal																			1255
	Lower Terrace Area																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													90	CY	613
	Concrete's Vol. Demolished																1.3	117	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													117	CY	167
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													117	CY	408
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													117	CY	907
	Subtotal																			2095
	Acces Road Area																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													1200	CY	8172
	Concrete's Vol. Demolished																1.3	1560	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													1560	CY	2231
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													1560	CY	5444
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													1560	CY	12090
	Subtotal																			27937
	Total																			87798

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Water Tanks Two 10																			
	Deduct 50% no interior walls																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF													46800	CF	6084
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			6084
	Equipment 's Disposal/Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			6084

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Pump House 11																			
	Deduct 50% no interior walls																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02220 110 0100	0.28	/CF						860					CF		860	CF	120
	Structure's Vol. Demolished																0.3	10	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													10	CY	40
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			160
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													46	CY	313
	Concrete's Vol. Demolished																1.3	60	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													60	CY	86
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													60	CY	209
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													60	CY	465
	Subtotal																			1073
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			1233

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Well House Three 12																			
	Deduct 50% no interior walls																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02220 110 0100	0.28	/CF													24000	CF	3360
	Structure's Vol. Demolished																0.3	267	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													267	CY	1068
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			4428
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
																				4428
	Total																			
	Total																			

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Water Treatment Bld 13																			
	Deduct 50% no interior walls																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02220 110 0100	0.28	/CF													90000	CF	12600
	Structure's Vol. Demolished																0.3	1000	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													1000	CY	4000
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			16600
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			16600

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Misc Storage Bld 14																			
	Deduct 50% no interior walls																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02220 110 0100	0.28	/CF													6265	CF	877
	Structure's Vol. Demolished																0.3	70	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													70	CY	280
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1157
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													114	CY	776
	Concrete's Vol. Demolished																1.3	148	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													148	CY	212
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													148	CY	517
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													148	CY	1147
	Subtotal																			2653
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			4809

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Overland Conveyor 15																			
	Deduct 50% no interior walls																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02220 110 0100	0.28	/CF													480000	CF	67200
	Structure's Vol. Demolished																0.3	5333	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													5333	CY	21332
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			88532
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			88532

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Guard Rail 16																			
	Structure's Demolition Cost	Guiderail remove	02220 240 0800	12.2	LF	1500										LF		1500	LF	18300
	Structure's Vol. Demolished																0.3	17	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																	17	CY	0
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			18300
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			18300

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Rock Dust Bld 17																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF													15504	CF	4031
	Structure's Vol. Demolished																0	0	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													0	CY	0
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			4031
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													69	CY	470
	Concrete's Vol. Demolished																1.3	90	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													90	CY	129
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. tri	02315 490 0320	3.49	/CY													90	CY	314
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													90	CY	698
	Subtotal																			1611
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			5642

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Overland Dust Collector 18																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF													4800	CF	1248
	Structure's Vol. Demolished																0	0	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1248
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			1248

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Substation 19																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF													1000	CF	260
	Structure's Vol. Demolished																0	0	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			260
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													74	CY	504
	Concrete's Vol. Demolished																1.3	96	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													96	CY	137
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													96	CY	335
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													96	CY	744
	Subtotal																			1720
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
																				1980
	Total																			

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Power Line 20																			
	Structure's Demolition Cost	Electrical Demolition	16055 300 1870	15.35	CLF													300	LF	4605
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			4605
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			4605

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Cap Magazine 21	Steel Bld. Large	02220 110 0012	0.26	/CF													125	CF	33
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			33
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			33

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Fuel Storage 22																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF													140	CF	36
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			36
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													37	CY	252
	Concrete's Vol. Demolished																1.3	48	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													48	CY	69
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													48	CY	168
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													48	CY	372
	Subtotal																			861
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			897

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Propane Tanks 23																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF													38	CF	10
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			10
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													22	CY	150
	Concrete's Vol. Demolished																1.3	29	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													29	CY	41
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. tri	02315 490 0320	3.49	/CY													29	CY	101
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													29	CY	225
	Subtotal																			517
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			527

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Stacking Tube 24																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													237	CY	1614
	Concrete's Vol. Demolished																1.3	308	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													308	CY	440
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													308	CY	1075
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													308	CY	2387
	Subtotal																			5516
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			5516

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Reclaim Tunnel 25																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													1960	CY	13348
	Concrete's Vol. Demolished																1.3	2548	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													2548	CY	3644
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													2548	CY	8893
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													2548	CY	19747
	Subtotal																			45632
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			45632

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Slope Proctection Apron 26																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													753	CY	5128
	Concrete's Vol. Demolished																1.3	979	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													979	CY	1400
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. tri	02315 490 0320	3.49	/CY													979	CY	3417
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													979	CY	7587
	Subtotal																			17532
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			17532

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Concrete Lined Ditch 27																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													21	CY	143
	Concrete's Vol. Demolished																1.3	27	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													27	CY	39
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. tri	02315 490 0320	3.49	/CY													27	CY	94
	Disposal Costs	On site disposal	02220 240 5560	7.75	/CY													27	CY	209
	Subtotal																			485
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			485

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Raw Coal Silo 28																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													680	CY	4631
	Concrete's Vol. Demolished																1.3	884	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													884	CY	1264
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. tri	02315 490 0320	3.49	/CY													884	CY	3085
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													884	CY	6851
	Subtotal																			15831
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			15831

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Parking Area Middle 29																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition	Pavement Removal 3"														SY		105	CY	715
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY					1260						YD	1.3	137	CY	
	Concrete's Vol. Demolished							0.0833										137	CY	196
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													137	CY	478
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													137	CY	1062
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY															2451
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			2451

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Truck Loadout Foundation 30																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal/Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													10	CY	68
	Concrete's Vol. Demolished																1.3	13	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													13	CY	19
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													13	CY	45
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													13	CY	101
	Subtotal																			233
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			233

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Road Pad Lower 31																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal/Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition	Pavement Removal 3"																		
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY					1630						SY		163	CY	1110
	Concrete's Vol. Demolished							0.1								YD	1.3	212	CY	
	Loading Cost	Front end loader 3 CY .	02315 424 1300	1.43	/CY													212	CY	303
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. tri	02315 490 0320	3.49	/CY													212	CY	740
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													212	CY	1643
	Subtotal																			[redacted]
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			[redacted]

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Silo Rail Loadout 32																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													6028	CY	41051
	Concrete's Vol. Demolished																1.3	7836	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													7836	CY	11205
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													7836	CY	27346
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													7836	CY	60729
	Subtotal																			140333
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			140333

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Loadout Foundation RR 33																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY													248	CY	1689
	Concrete's Vol. Demolished																1.3	322	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													322	CY	460
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trl	02315 490 0320	3.49	/CY													322	CY	1124
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													322	CY	2496
	Subtotal																			5769
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			5769

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Pavement Rail Loadout 34																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition	Pavement Removal 3"																		
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY					518						SY		52	CY	354
	Concrete's Vol. Demolished							0.1								YD	1.3	68	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													68	CY	97
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. tri	02315 490 0320	3.49	/CY													68	CY	237
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													68	CY	527
	Subtotal																			1,215
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			1,215

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Steel 35																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight											2000				TON		2000	TON	
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck	Truck dump 16 ton payload	01 54 33 20 5300	435.96	/day									16		DY		16	DY	6975
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			6975
	Equipment 's Disposal/Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			6975

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	James Canyon 36																			
	Reclaim Area																			
	Cut and Fill	Excavator 3 1/2 CY	01 54 33 20 0340	1432.76	/day									13		HR		1.6	Day	2292
	Cut and Fill	Eq. Op., Medium Equipment (Eqmd)	Eqmd	55.40	HR									13		HR		13	HR	720
	Support Personal	Foreman Average, Outside	Foreman	59.90	HR									13		HR		13	HR	779
	Support Personal	Pickup Rental	01 54 33 40 7200	80.42	/day									13		HR		13	HR	1045
	Subtotal																			4836
	Well Plugging																			
	Remove pumps from all JC wells	Pull Pumps	Skyline 001	75,000.00	LS										1	EA		1	EA	75000
	Plug JC-1	Concrete Ready Mix 8000 psi	03310 220 0412	196.00	/CY						40					CY		40	CY	7840
	Plug JC-2	Concrete Ready Mix 8000 psi	03310 220 0412	196.00	/CY						81					CY		81	CY	15876
	Plug JC-3	Concrete Ready Mix 8000 psi	03310 220 0412	196.00	/CY						200					CY		200	CY	39200
	Subtotal																			137916
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			142752

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Culvert Backfilling 37																			
	Culvert CU-1 48 inch	Excavation Bulk Bank 2 CY (322BL)	02315 424 0260	1.74	/CY	560	4	8								FT		664	CY	1155
		Backfill Trench Minimal Haul 2 1/4 CY	02315 610 3080	1.58	/CY	560	4	8								FT		664	CY	1049
	Culvert CU-2	Excavation Bulk Bank 2 CY (322BL)	02315 424 0260	1.74	/CY	588	4	8								FT		697	CY	1213
		Backfill Trench Minimal Haul 2 1/4 CY	02315 610 3080	1.58	/CY	588	4	8								FT		697	CY	1101
	Culvert CU-3	Excavation Bulk Bank 2 CY (322BL)	02315 424 0260	1.74	/CY	410	4	8								FT		486	CY	846
		Backfill Trench Minimal Haul 2 1/4 CY	02315 610 3080	1.58	/CY	410	4	8								FT		486	CY	768
	Subtotal																			6182
	Total																			6182

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Channel Construction 38																			
	Stream A																			
	Filter Material	Pea stone	02620 300 0400	26	CY						1097					CY		1097	CY	28522
	RipRap Material	Machine placed rip-rap slope protection	02370 450 0100	51	CY						1241					CY		1241	CY	63291
	Subtotal																			91813
	Stream B																			
	Filter Material	Pea stone	02620 300 0400	26	CY						1251					CY		1251	CY	32526
	RipRap Material	Machine placed rip-rap slope protection	02370 450 0100	51	CY						1416					CY		1416	CY	72216
	Subtotal																			104742
	Stream C																			
	Filter Material	Pea stone	02620 300 0400	26	CY						929					CY		929	CY	24154
	RipRap Material	Machine placed rip-rap slope protection	02370 450 0100	51	CY						1051					CY		1051	CY	53601
	Subtotal																			77755
	Stream D																			
	Filter Material	Pea stone	02620 300 0400	26	CY						2333					CY		2333	CY	60658
	RipRap Material	Machine placed rip-rap slope protection	02370 450 0100	51	CY						1004					CY		1004	CY	51204
	Subtotal																			111862
	Stream E																			
	Filter Material	Pea stone	02620 300 0400	26	CY						2190					CY		2190	CY	56940
	RipRap Material	Machine placed rip-rap slope protection	02370 450 0100	51	CY						971					CY		971	CY	49521
	Subtotal																			106461
	Stream B to D Transition																			
	Filter Material	Pea stone	02620 300 0400	26	CY						316					CY		316	CY	8216
	RipRap Material	Machine placed rip-rap slope protection	02370 450 0100	51	CY						154					CY		154	CY	7854
	Subtotal																			16070
	Stream C to D Transition																			
	Filter Material	Pea stone	02620 300 0400	26	CY						75					CY		75	CY	1950
	RipRap Material	Machine placed rip-rap slope protection	02370 450 0100	51	CY						30					CY		30	CY	1530
	Subtotal																			3480
	Arch Culvert																			
	Filter Material	Pea stone	02620 300 0400	26	CY						238					CY		238	CY	6188
	RipRap Material	Machine placed rip-rap slope protection	02370 450 0100	51	CY						48					CY		48	CY	2448
	Concrete	Concrete Ready Mix 8000 psi	03310 220 0412	196.00	/CY						15					CY		15	CY	2940
	Steel Plate	Plate & Bar Stock for Reinforced Beams	05120 440 1250	1.15	/LB							4800				lb		4800	lb	5520
	Subtotal																			17096
	Total																			529279

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Equipment 39																			
	Structure's Demolition Cost	Equipment Removal	Skyline 002	161	/TON							1525				TON		1525	TON	245525
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			245525
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			245525

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Portal Face Door 40																			
	Structure's Demolition Cost	Mechanical equipment heavy	15055 300 3600	850	/ton								6.85			Ton		6.85	Ton	5823
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			5823
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			5823

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Concrete Building 41																			
	Structure's Demolition Cost	Concrete Bld. Large	02220 110 0050	0.37	/CF	18	18	18										5832	CF	2158
	Structure's Vol. Demolished																0.3	65	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			2158
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			2158

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Portal 01															60984
Water Tank 02															7692
Lower Terrace 03															128012
Middle Bench 04															176859
Upper Bench West Fork 05															80398
Southwest Fork 06															75632
Loadout Facilities 07															143364
South Fork Portal Area 08															44873
Waste Rock Disposal 09															465269
Pond Enlargement Interim 10															1204
Pond Diversion DU2 Interim 11															260
Interim Sediment Control 12															2689
Overland Conveyor 13															1076
James Canyon 14															0
Total															1186312

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine Backfilling and Grading Portal 01															
ST-15Z 15CY (21-10) (1st05)	19570	81.8	0.1	55.4	267.69	1	267.69	$/HR	16740	CY	79.15	CY/HR	211	HR	56483
CLAB					42.65	0.5	21.33	$/HR					211	HR	4501
Subtotal															60984

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine Water Tank 02 0.26 acres															
Backfilling and Grading															
988G EROPS (9-37) (2nd2005) 2005	9010	40.05	0.1	55.4	155.77	1	155.77	$/HR	1683	CY	276.16	CY/HR	6	HR	935
769D (20-11) (2nd2005)	11150	46.35	0.1	43.3	163.97	3	491.91	$/HR					6	HR	2951
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					6	HR	69
CLAB					42.65	1	42.65	$/HR					6	HR	256
Foreman Average, Outside					59.9	1	59.9	$/HR					6	HR	359
Place Topsoil															
769D (20-11) (2nd2005)	11150	46.35	0.1	43.3	163.97	1	163.97	$/HR	420	CY	92	CY/HR	4.6	HR	754
988G EROPS (9-37) (2nd2005) 2005	9010	40.05	0.1	55.4	155.77	1	155.77	$/HR					4.6	HR	717
D8R Series II (9-54) (2nd2005)	14705	59.75	0.1	55.4	213.03	1	213.03	$/HR					4.6	HR	980
CLAB					42.65	1.5	63.98	$/HR					4.6	HR	294
410G EROPS 4WD EXTEN. (9-28)(2nd2005)	3620	17.3	0.1	55.4	97.06	1	97.06	$/HR	0.3	AC	1	AC/HR	0.3	HR	29
CLAB					42.65	1.5	63.98	$/HR					0.3	HR	19
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					4.6	HR	53
Foreman Average, Outside					59.9	1	59.9	$/HR					4.6	HR	276
Subtotal															7892

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine Mine Facilities Area Lower Terrace 03															
Backfilling and Grading															
D8R Series II (9-54) (2nd2005)	14705	59.75	0.1	55.4	213.03	1	213.03	$/HR					79.5	HR	16936
631G (9-51) (2nd2005)	19630	19630	0.1	55.4	284.84	3	854.52	$/HR					79.5	HR	67934
CLAB					42.65	1	42.65	$/HR					79.5	HR	3391
Foreman Average, Outside					59.9	1	59.9	$/HR					40	HR	2396
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					40	HR	463
Place Topsoil															
D8R Series II (9-54) (2nd2005)	14705	59.75	0.1	55.4	213.03	5	1065.15	$/HR					21.1	HR	22475
631G (9-51) (2nd2005)	19630	19630	0.1	55.4	284.84	1	284.84	$/HR					21.1	HR	6010
CLAB					42.65	1	42.65	$/HR					21.1	HR	900
14H EROPS (9-11)(2H2005)	8220	34.4	0.1	55.4	144.62	1	144.62	$/HR					21.1	HR	3051
410G EROPS 4WD EXTEN. (9-28)(2nd2005)	3620	17.3	0.1	55.4	97.06	1	97.06	$/HR					21.1	HR	2048
CLAB					42.65	1	42.65	$/HR					21.1	HR	900
Foreman Average, Outside					59.9	1	59.9	$/HR					21.1	HR	1264
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					21.1	HR	244
Subtotal															128012

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine Mine Facilities Area Middle Bench 04															
D8R Series II (9-54) (2nd2005)	14705	59.75	0.1	55.4	213.03	1	213.03	$/HR					122.46	HR	26088
631G (9-51) (2nd2005)	19630	19630	0.1	55.4	284.84	3	854.52	$/HR					122.46	HR	104645
CLAB					42.65	1	42.65	$/HR					122.46	HR	5223
Foreman Average, Outside					59.9	1	59.9	$/HR					61	HR	3654
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					61	HR	706
Place Topsoil															
D8R Series II (9-54) (2nd2005)	14705	59.75	0.1	55.4	213.03	5	1065.15	$/HR					20.9	HR	22262
631G (9-51) (2nd2005)	19630	19630	0.1	55.4	284.84	1	284.84	$/HR					20.9	HR	5953
CLAB					42.65	1	42.65	$/HR					20.9	HR	891
14H EROPS (9-11)(2H2005)	8220	34.4	0.1	55.4	144.62	1	144.62	$/HR					20.9	HR	3023
410G EROPS 4WD EXTEN. (9-28)(2nd2005)	3620	17.3	0.1	55.4	97.06	1	97.06	$/HR					20.9	HR	2029
CLAB					42.65	1	42.65	$/HR					20.9	HR	891
Foreman Average, Outside					59.9	1	59.9	$/HR					20.9	HR	1252
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					20.9	HR	242
Subtotal															178859

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine															
Mine Facilities Area															
Upper Bench West Fork 05															
D8R Series II (9-54) (2nd2005)	14705	59.75	0.1	55.4	213.03	1	213.03	$/HR					37.5	HR	7989
631G (9-51) (2nd2005)	19630	19630	0.1	55.4	284.84	3	854.52	$/HR					37.5	HR	32045
CLAB					42.65	1	42.65	$/HR					37.5	HR	1599
Foreman Average, Outside					59.9	1	59.9	$/HR					19	HR	1138
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					19	HR	220
Place Topsoil															
D8R Series II (9-54) (2nd2005)	14705	59.75	0.1	55.4	213.03	5	1065.15	$/HR					23.7	HR	25244
631G (9-51) (2nd2005)	19630	19630	0.1	55.4	284.84	1	284.84	$/HR					23.7	HR	6751
CLAB					42.65	1	42.65	$/HR					23.7	HR	1011
14H EROPS (9-11)(2H2005)	8220	34.4	0.1	55.4	144.62	1	144.62	$/HR					9.52	HR	1377
410G EROPS 4WD EXTEN. (9-28)(2nd2005)	3620	17.3	0.1	55.4	97.06	1	97.06	$/HR					9.52	HR	924
CLAB					42.65	1	42.65	$/HR					9.52	HR	406
Foreman Average, Outside					59.9	1	59.9	$/HR					23.7	HR	1420
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					23.7	HR	274
Subtotal															80396

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine Mine Facilities Area Southwest Fork 06															
D8R Series II (9-54) (2nd2005)	14705	59.75	0.1	55.4	213.03	1	213.03	$/HR					66	HR	14060
631G (9-51) (2nd2005)	19630	19630	0.1	55.4	284.84	3	854.52	$/HR					66	HR	56398
CLAB					42.65	1	42.65	$/HR					66	HR	2815
Foreman Average, Outside					59.9	1	59.9	$/HR					33	HR	1977
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					33	HR	382
Subtotal															75632

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine Loadout Facilities 07															
Backfilling and Grading															
D8R Series II (9-54) (2nd2005)	14705	59.75	0.1	55.4	213.03	1	213.03	$/HR					88.8	HR	18917
631G (9-51) (2nd2005)	19630	19630	0.1	55.4	284.84	3	854.52	$/HR					88.8	HR	75881
CLAB					42.65	1	42.65	$/HR					88.8	HR	3787
Foreman Average, Outside					59.9	1	59.9	$/HR					44	HR	2636
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					44	HR	509
Topsoil															
631G (9-51) (2nd2005)	19630	19630	0.1	55.4	284.84	3	854.52	$/HR					28.4	HR	24268
D8R Series II (9-54) (2nd2005)	14705	59.75	0.1	55.4	213.03	1	213.03	$/HR					28.4	HR	6050
CLAB					42.65	1	42.65	$/HR					28.4	HR	1211
14H EROPS (9-11)(2H2005)	8220	34.4	0.1	55.4	144.62	1	144.62	$/HR					28.4	HR	4107
410G EROPS 4WD EXTEN. (9-28)(2nd2005)	3620	17.3	0.1	55.4	97.06	1	97.06	$/HR					28.4	HR	2757
CLAB					42.65	1	42.65	$/HR					28.4	HR	1211
Foreman Average, Outside					59.9	1	59.9	$/HR					28.4	HR	1701
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					28.4	HR	329
Subtotal															143384

101730

41634

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine South Fork Portal Area 08															
Backfilling and Grading															
CAT 345BL II (10-23)(2nd2005) 2005	15170	66.35	0.1	55.4	223.2	1	223.2	$/HR					25.2	HR	5625
6X4 70,000lbs 12-18 CY (20-11) (2nd2005)	3725	31.25	0.1	43.3	100.96	2	201.92	$/HR					25.2	HR	5088
988G EROPS (9-37) (2nd2005) 2005	9010	40.05	0.1	55.4	155.77	1	155.77	$/HR					25.2	HR	3925
D6R Series II (9-54) (2nd2005)	7465	33.8	0.1	55.4	139.24	1	139.24	$/HR					25.2	HR	3509
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					25.2	HR	292
CLAB					42.65	1.5	63.98	$/HR					25.2	HR	1612
Foreman Average, Outside					59.9	1	59.9	$/HR					25.2	HR	1509
Topsoil															
988G EROPS (9-37) (2nd2005) 2005	9010	40.05	0.1	55.4	155.77	1	155.77	$/HR					35.82	HR	5580
D6R Series II (9-54) (2nd2005)	7465	33.8	0.1	55.4	139.24	1	139.24	$/HR					35.82	HR	4988
14H EROPS (9-11)(2H2005)	8220	34.4	0.1	55.4	144.62	1	144.62	$/HR					35.82	HR	5180
410G EROPS 4WD EXTEN. (9-28)(2nd2005)	3620	17.3	0.1	55.4	97.06	1	97.06	$/HR					35.82	HR	3477
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					35.82	HR	414
CLAB					42.65	1	42.65	$/HR					35.82	HR	1528
Foreman Average, Outside					59.9	1	59.9	$/HR					35.82	HR	2146
Subtotal															44073

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine Waste Rock Disposal 09															
Backfilling and Grading															
CAT 345BL II (10-23)(2nd2005) 2005	15170	66.35	0.1	55.4	223.2	1	223.2	$/HR					4.1	HR	915
6X4 70,000lbs 12-18 CY (20-11) (2nd2005)	3725	31.25	0.1	43.3	100.96	2	201.92	$/HR					4.1	HR	828
980G Series II EROPS (9-37) (2nd2005)	9635	45.65	0.1	55.4	165.83	1	165.83	$/HR					4.1	HR	680
D6R Series II (9-54) (2nd2005)	7465	33.8	0.1	55.4	139.24	1	139.24	$/HR					4.1	HR	571
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					4.1	HR	47
CLAB					42.65	1.5	63.98	$/HR					4.1	HR	262
Foreman Average, Outside					59.9	1	59.9	$/HR					4.1	HR	246
Topsoil Placement															
6X4 70,000lbs 12-18 CY (20-11) (2nd2005)	3725	31.25	0.1	43.3	100.96	3	302.88	$/HR					538.7	HR	163161
988G EROPS (9-37) (2nd2005) 2005	9010	40.05	0.1	55.4	155.77	1	155.77	$/HR					538.7	HR	83913
CLAB					42.65	1	42.65	$/HR					538.7	HR	22976
14H EROPS (9-11)(2H2005)	8220	34.4	0.1	55.4	144.62	1	144.62	$/HR					538.7	HR	77907
410G EROPS 4WD EXTEN. (9-28)(2nd2005)	3620	17.3	0.1	55.4	97.06	1	97.06	$/HR					538.7	HR	52286
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					538.7	HR	6233
CLAB					42.65	1	42.65	$/HR					538.7	HR	22976
Foreman Average, Outside					59.9	1	59.9	$/HR					538.7	HR	32268
Subtotal															455269

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine Interim Sediment Control Loadout Facilities Sediment Pond Enlargement Interim 10															
980G Series II EROPS (9-37) (2nd2005)	9635	45.65	0.1	55.4	165.83	1	165.83	$/HR					4.3	HR	713
CLAB					42.65	1	42.65	$/HR					4.3	HR	183
Foreman Average, Outside					59.9	1	59.9	$/HR					4.3	HR	258
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					4.3	HR	50
Subtotal															1204

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine Interim Sediment Control Loadout Diversion to Sediment Pond Diversion DU2 Interim 11															
14H EROPS (9-11)(2H2005)	8220	34.4	0.1	55.4	144.62	1	144.62	$/HR					1	HR	145
CLAB					42.65	1	42.65	$/HR					1	HR	43
Foreman Average, Outside					59.9	1	59.9	$/HR					1	HR	60
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					1	HR	12
Subtotal															260

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine Interim Sediment Control 12															
Backfill Pond With															
Embankment Material															
988G EROPS (9-37) (2nd2005) 2005	9010	40.05	0.1	55.4	155.77	1	155.77	$/HR					6.8	HR	1059
CLAB					42.65	1	42.65	$/HR					6.8	HR	290
Foreman Average, Outside					59.9	1	59.9	$/HR					6.8	HR	407
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					6.8	HR	79
Topsoil Placement															
1Ft. Depth															
988G EROPS (9-37) (2nd2005) 2005	9010	40.05	0.1	55.4	155.77	1	155.77	$/HR					2.2	HR	343
CLAB					42.65	1	42.65	$/HR					2.2	HR	94
Foreman Average, Outside					59.9	1	59.9	$/HR					2.2	HR	132
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					2.2	HR	25
Diversion Removal DU2															
14H EROPS (9-11)(2H2005)	8220	34.4	0.1	55.4	144.62	1	144.62	$/HR					1	HR	145
CLAB					42.65	1	42.65	$/HR					1	HR	43
Foreman Average, Outside					59.9	1	59.9	$/HR					1	HR	60
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					1	HR	12
Subtotal															2689

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Skyline Mine Overland Conveyor 13															
6X4 70,000lbs 12-18 CY (20-11) (2nd2005)	3725	31.25	0.1	43.3	100.96	1	100.96	$/HR					2.3	HR	232
988G EROPS (9-37) (2nd2005) 2005	9010	40.05	0.1	55.4	155.77	1	155.77	$/HR					2.3	HR	358
CLAB					42.65	1	42.65	$/HR					2.3	HR	98
Foreman Average, Outside					59.9	1	59.9	$/HR					2.3	HR	138
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	$/HR					2.3	HR	27
410G EROPS 4WD EXTEN. (9-28)(2nd2005)	3620	17.3	0.1	55.4	97.06	1	97.06	$/HR					2.3	HR	223
Subtotal															1076

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Vegetation Costs																			
	Skyline Mine																			
	South Facing Slopes 1H:3H or Greater																			
	Seeding	South Facing Slope Seed 1H : 3H or gentle	Skyline07051	667	/AC					39.81						AC		39.81	AC	26553
	Mulch	Hay 1" material only 029105000250	Reveg001	69.85	/MSF					39.81						AC		1734	MSF	121120
	Fertilizer	Fertilizer Hyrdor Spread Mat. Only	Reveg006	8.9	/MSF					39.81						AC		1734	MSF	15433
	Equipment	Hydro Spreader (equip. & labor) B-81 80MS	Reveg002	19.8	/MSF					39.81						AC		1734	MSF	34333
	Subtotal																			197439
	North Facing Slopes																			
	Seeding	North Facing Slopes Seed	Skyline07052	691	/AC					20.33						AC		20.33	AC	14048
	Mulch	Hay 1" material only 029105000250	Reveg001	69.85	/MSF					20.33						AC		886	MSF	61887
	Fertilizer	Fertilizer Hyrdor Spread Mat. Only	Reveg006	8.9	/MSF					20.33						AC		886	MSF	7885
	Equipment	Hydro Spreader (equip. & labor) B-81	Reveg005	19.8	/MSF					20.33						AC		886	MSF	17543
	Subtotal																			101363
	Riparian Habitat																			
	Seeding	Riparian Habitat Seed	Skyline07053	42.25	/AC					0.04						AC		0.04	AC	2
	Mulch	Hay 1" material only 029105000250	Reveg001	69.85	/MSF					0.04						AC		2	MSF	140
	Fertilizer	Fertilizer Hyrdor Spread Mat. Only	Reveg006	0	/MSF					0.04						AC		2	MSF	0
	Equipment	Hydro Spreader (equip. & labor) B-81	Reveg005	19.8	/MSF					0.04						AC		2	MSF	40
	Subtotal																			182
	Soth to West Facing Slopes																			
	Seeding	Riparian Habitat Seed	Skyline07053	42.25	/AC					39.81						AC		39.81	AC	1682
	Mulch	Hay 1" material only 029105000250	Reveg001	69.85	/MSF					39.81						AC		1734	MSF	121120
	Fertilizer	Fertilizer Hyrdor Spread Mat. Only	Reveg006	8.9	/MSF					39.81						AC		1734	MSF	15433
	Equipment	Hydro Spreader (equip. & labor) B-81	Reveg005	19.8	/MSF					39.81						AC		1734	MSF	34333
	Subtotal																			172568
	North to East Facing Slopes																			
	Seeding	Riparian Habitat Seed	Skyline07053	42.25	/AC					20.33						AC		20.33	AC	859
	Mulch	Hay 1" material only 029105000250	Reveg001	69.85	/MSF					20.33						AC		886	MSF	61887
	Fertilizer	Fertilizer Hyrdor Spread Mat. Only	Reveg006	8.9	/MSF					20.33						AC		886	MSF	7885
	Equipment	Hydro Spreader (equip. & labor) B-81	Reveg005	19.8	/MSF					20.33						AC		886	MSF	17543
	Subtotal																			88174
	Waste Rock																			
	Seeding	Waste Rock Slopes Seed	Skyline07056	61.5	/AC					7.68						AC		7.68	AC	472
	Mulch	Hay 1" material only 029105000250	Reveg001	69.85	/MSF					7.68						AC		335	MSF	23400
	Fertilizer	Fertilizer Hyrdor Spread Mat. Only	Reveg006	8.9	/MSF					7.68						AC		335	MSF	2982
	Equipment	Hydro Spreader (equip. & labor) B-81	Reveg005	19.8	/MSF					7.68						AC		335	MSF	6633
	Subtotal																			33515
	James Canyon																			
	Seeding	Waste Rock Slopes Seed	Skyline07056	61.5	/AC					4.85						AC		4.85	AC	298
	Mulch	Hay 1" material only 029105000250	Reveg001	69.85	/MSF					4.85						AC		211	MSF	14738
	Fertilizer	Fertilizer Hyrdor Spread Mat. Only	Reveg006	8.9	/MSF					4.85						AC		211	MSF	1878
	Equipment	Hydro Spreader (equip. & labor) B-81	Reveg005	19.8	/MSF					4.85						AC		211	MSF	4178
	Subtotal																			20794
	Riparian Stem Supplement																			
	Stems	Bare root seedlings, 11" to 16" med. soil	02915 400 0562	1.31	Ea										9600	Ea		12636	EA	16618
	Subtotal																			16618
	Silt Fence Interim Vegetation																			
	Stems	Bare root seedlings, 11" to 16" med. soil	02915 400 0562	1.31	Ea	20000										LF		20000	EA	26200
	Subtotal																			26200
	Reveg Loadout Sediment Pond																			
	Seeding	Riparian Habitat Seed	Skyline07053	42.25	/AC					0.3						AC		0.3	AC	13
	Mulch	Hay 1" material only 029105000250	Reveg001	69.85	/MSF					0.3						AC		13	MSF	908
	Fertilizer	Fertilizer Hyrdor Spread Mat. Only	Reveg006	8.9	/MSF					0.3						AC		13	MSF	116
	Equipment	Hydro Spreader (equip. & labor) B-81	Reveg005	19.8	/MSF					0.3						AC		13	MSF	257
	Subtotal																			1294

	Revegetation																				
	25% of Initial Seeding																				169735
	Subtotal																				169735
	Total																				848910