3.2.3.3 Coal Processing Waste Disposal (continued)

Coal processing waste at C.V. Spur was truck hauled from the preparation plant to the designated disposal site within the permit area. The design, construction and maintenance of the waste bank is under the supervision of a registered professional engineer.

The coal processing waste was the reject from the washing cycle used to clean and upgrade the coal from the Beaver Creek Coal Company mines in the Carbon-Emery County area. Coal was washed from the Gordon Creek #2 Mine (Castle Gate "A" Seam), Gordon Creek #3 Mine (Hiawatha Seam), and Huntington Canyon #4 Mine (Blind Canyon Seam). All of the seams producing coal for this plant were low-sulfur (0.5% to 0.8%). The reject was also low-sulfur, non-acid, and non-toxic. The attached analyses show the typical quality of the coal and the refuse product (Figure 3-1 and 3-2).

The wash plant has been idle since 1984; however, it is scheduled to be restarted during the summer of 2006. Equipment will be replaced or upgraded within the plant as required. The washing cycle will generate refuse as it did previously; however, under the new scenario, the refuse will be stored only temporarily on the east and/or west side of the refuse pile in an area where refuse has been removed. See Plate 3-2. The coal to be washed under this restart plan is owned by another company, and the refuse generated by the washing cycle will be disposed of in their refuse pile which is presently under application for approval. This refuse will only be stored at Savage Coal Terminal until such time as the permanent refuse site for this company is approved, which is expected to be no more than 1 year maximum. At that time, all of the refuse generated by the restart of the washing cycle will be taken to the company's refuse site for permanent disposal.

FILE IN: Expandable 08082006
Refer to Record No. 0025
in C0070022, 2006, INCOMING
for additional information

Plant projections estimate approximately 53 tons per hour of refuse. Based on this figure, and 16 hours per day of operation, the plant will generate approximately 848 tons per day, or approximately a maximum of slightly over 200,000 tons per year.

This material will be placed on the west end of the existing refuse pile, in the location where refuse has been previously removed for Sunnyside Cogeneration. The material will be placed and compacted and otherwise managed and inspected as per the approved refuse handling procedures in the M.R.P. These procedures will provide for mass stability and prevention of combustion primarily from proper compaction and complying with slope and height limitations from the approved plan. The temporary pile will be placed within the existing refuse pile ditch as shown on Plate 3-2. The pile will also be sloped to drain to the ditch and constructed to prevent water retention on the pile.

At the present time, no coal processing waste is being deposited on the refuse pile from the plant. Materials from ditch and pond cleaning are periodically placed on the refuse pile.

The texture of the refuse material has been classified as "coarse", as indicated by the following typical screen analysis:

+4"	-	5%
4" x 2"	-	5%
2" x 3/4"	-	15%
3/4" x 1/4"	-	20%
1/4" x 28m	-	25%
28m x 0	-	30%

Based on the analyses, there is no apparent reason that the toxicity of the refuse product should change; however, if water analysis in the area should indicate a change in pH or other possible toxic levels after the refuse has weathered, additional sampling will be performed to check for acid-toxic levels in the refuse.

If the tests show an acid or toxic forming potential, the disposed material will be covered with 4 feet of non-acid, non-toxic material.

The line will undoubtedly remain in service after closure of the C.V. Spur.

The railroad loop within the C.V. Spur is owned by Beaver Creek Coal Company. It consists of a single sit of tracks slightly elevated (3') above natural ground. This rail serves as a loop for the unit trains to travel head-first into the silo, eliminating the need for engine switching. The loop is 8,340 feet long. This rail line will be used and maintained throughout the C.V. Spur operational life.

Grades and typical cross-section of the rail loop are shown on Plate 3-5, "Railroad Facilities".

3.2.5.3 Conveyors

There are seventeen (17) separate, permanent conveyor runs at the C.V. Spur (see Figure 3-7). In addition, there are temporary, portable conveyors used on the site. The number and location of the temporary conveyors varies according to need.

Conveyor #1 - 36" x 250' long stacking conveyor from the truck dump to the raw coal stacking tube.

Conveyor #1a - 36" x 250' long stacking tube conveyor from the above raw coal stacking tube to a new steel stacking tube. (Appendix 3-8 BC-01)

Conveyor #1b - 36" x 233' conveyor from new stacking tube area to wash plant. (Appendix 3-8 BC-02)

Conveyor #1c - 36" x 130' stacking conveyor from wash plant to clean coal pile on north side. (Appendix 3-8 BC-05)

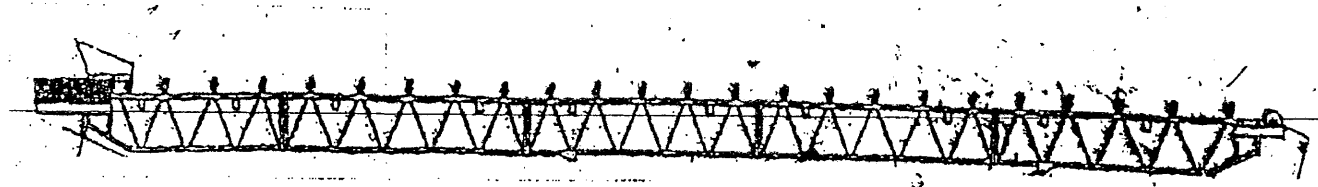
Conveyor #1d - 36" x 200' conveyor for -1/4" coal from wash plant to raw coal pile to west. (Appendix 3-8 BC-03)

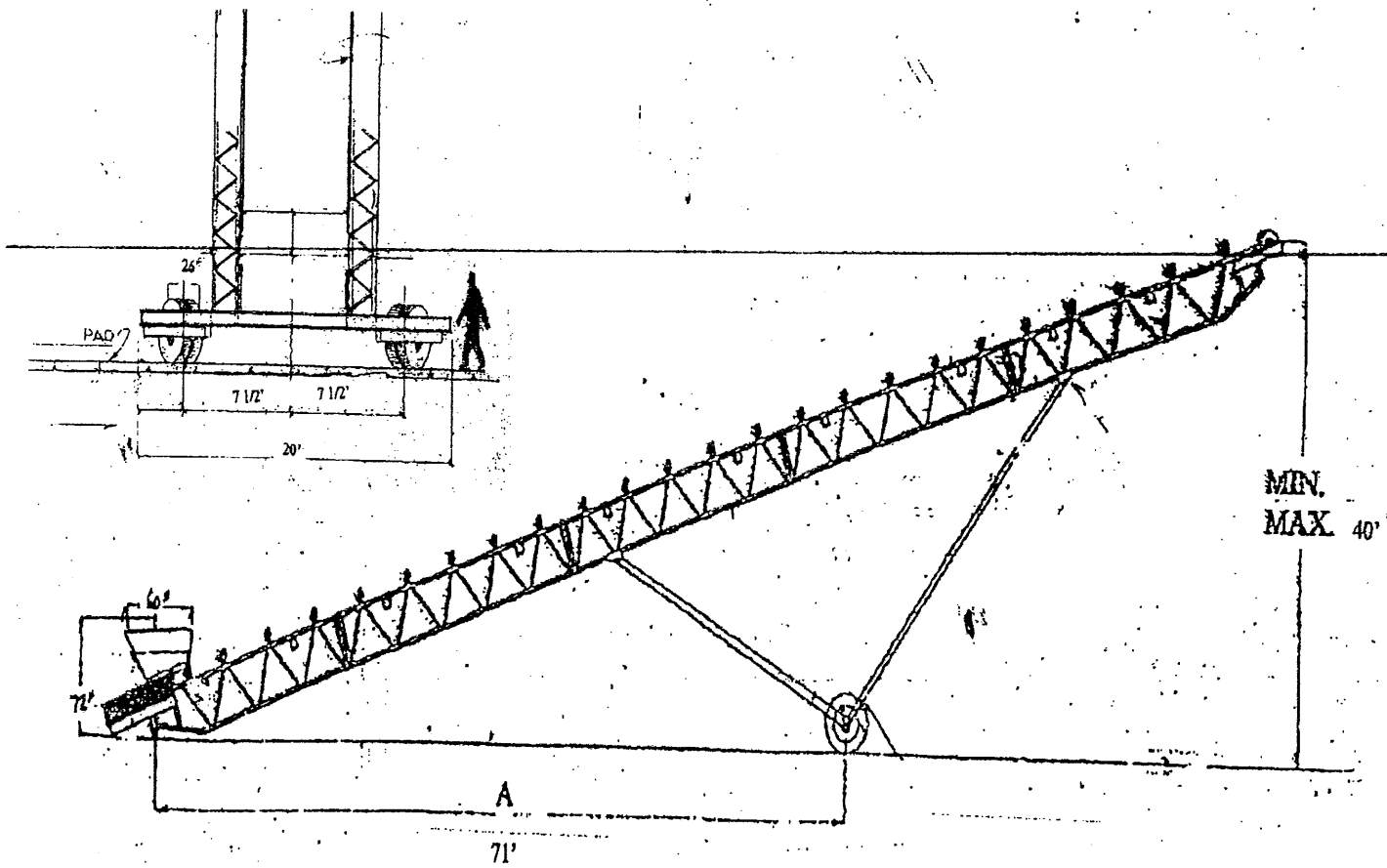
Conveyor #1e - 36" x 101' conveyor to carry refuse from the wash plant to the refuse bin. (Appendix 3-8 BC-04)

RADIAL STACKER. COM

36 X 130' RADIAL STACKER

42" DEEP TRUSS
3X3X5/16 MAIN CORDS, AND 2X2X1/4' BRACING
DODGE TAS215H15 SPEED REDUCER & BACKSTOP W/. MOTOR MTS & GUARDS
SIEMENS 30HP 230/460 MOTOR
DODGE 18" HERRINGBONE LAGGED PULLEY W/ 3 7/16 PB BEARINGS
DODGE 16" WINGED TAIL PULLEY W/ 2 15/16 PB BROS W/ 36/48 TAKE - UPS
DODGE TYPE B BEARINGS ON HEAD & TAIL
SUPERIOR 35-DEGREE SEALED IDLERS ON 4' CENTERS
SUPERIOR 20 DEGREE IDLERS 5' ON LOAD ZONE
SUPERIOR SEALED 5' RETURN IDLERS ON 10' CENTERS
DUAL WHEELED UNDERCARRIAGE W/ 20" WHEELS & AXLES
MANUAL ADJUSTABLE HEIGHT (14,16,&18 DEGREE)
60" LOAD ZONE WITH ¼ SKIRTING
FLIP UP TAIL GUARD
SWIVEL PLATE
MONTOVARIO 2HP POWER TRAVEL UNIT
24" CATWALK WITH PULL CORD EMERGENCY STOP
GALVANIZED HOODS WITH HOOPS AND HARDWARE





Appendix 3-8
Conveyor
BC-05

36 x 130' RADIAL STACKER

DATE: 4-20-04 NAME: J Blue

D.L. DINNING COMPANY
SOMERSET, PA 15501

APPENDIX 3-5

Reclamation Cost Estimate

August 2006

Bonding Calculations

Direct Costs		
Subtotal Demolition and Removal	$834,525.00	
Subtotal Backfilling and Grading	$309,955.00	
Subtotal Revegetation	$633,979.00	
Direct Costs	$1,778,459.00	
Indirect Costs		
Mob/Demob	$177,846.00	10.0%
Contingency	$88,923.00	5.0%
Engineering Redesign	$44,461.00	2.5%
Main Office Expense	$120,935.00	6.8%
Project Mainagement Fee	$44,461.00	2.5%
Subtotal Indirect Costs	$476,626.00	26.8%
Total Cost	$2,255,085.00	
Escalation factor		0.016
Number of years		1
Escalation	$36,081.00	
Reclamation Cost Escalated	$2,291,166.00	
Bond Amount (rounded to nearest $1,000) 2007 Dollars	$2,291,000.00	
Bond Posted 2007 dollars	$2,525,000.00	
Difference Between Cost Estimate and Bond	$233,834.00	
Percent Difference	10.21%	

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 Office 01																			14960
	Scale House 02																			1569
	No 1 Truck Dump 03																			4413
	No 2 Truck Dump 04																			2374
	No 3 Truck Dump 05																			1410
	No 4 Truck Dump 06																			1725
	No 5 Truck Dump 07																			1051
	Conveyors Eight 08																			8657
	Conveyor 48 inch 09																			8657
	No 4 Radial Stacker 10																			3503
	No 5 Radial Stacker 11																			971
	Conveyor Piers 12																			1863
	Support Structure 13																			1474
	Water Tank 14																			7936
	Reclaim Tunnel 15																			32514
	Portable Hopper 16																			909
	Trailer 17																			1374
	Transfer Bin 18																			1994
	Preparation Plant 19																			201520
	Substation 20																			5777
	Fuel Storage 21																			4130
	Reclaim Control Bld 22																			1381
	Sample House 23																			4163
	Stacking Tube 24																			41372
	Loadout Silo 25																			204548
	Railroad 26																			15000
	Powerline 27																			2500
	Aphalt 28																			111542
	Pumphouse 29																			12478
	River Pump 30																			184
	Guard Rails 31																			60390
	Culverts 32																			1481
	Stacking Tube 33																			23542
	Coal Sampler Addition 34																			5361
	Conveyor Transfer 35																			16177
	New Shop Oil Storage Bld 36																			16892
	Plant Expansion 37																			6733
	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
	Shop Office 01																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	100	45	10								FT		45000	CF	11700
	Structure's Vol. Demolished																0.01	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	ECDC	ECDC	35	/TON						17					CY		17	CY	595
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			12295
	Equipment 's Disposal Cost	Chain link remove 8'-10'	02220 220 1700	3.05	/LF	240										LF		240	LF	732
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			732
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	100	45	0.5								FT		83	CY	565
	Concrete's Vol. Demolished																1.3	108	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													108	CY	154
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													108	CY	377
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													108	CY	837
	Subtotal																			1933
	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																			14960

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
	Scale House 02																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	12	12	8								FT		1152	CF	300
	Structure's Vol. Demolished																0.01	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	ECDC	ECDC	35	/TON						0					CY		0	CY	
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			300
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	75	15	3								FT		3375	CF	878
	Structure's Vol. Demolished																0.01	1	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						1					CY		1	CY	35
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			913
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Footer's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY						15					CY		15	CY	102
	Footer's Vol. Demolished																1.3	20	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													20	CY	29
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													20	CY	70
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													20	CY	155
	Subtotal																			356
	Total																			1569

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
	No 1 Truck Dump 03																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	16	16	22								FT		5632	CF	1464
	Structure's Vol. Demolished																0.01	2	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						2					CY		2	CY	70
	Subtotal																			1534
	No. 2 Truck Dump	Steel Bld. Large	02220 110 0012	0.26	/CF	16	6	8								FT		768	CF	200
	Structure's Demolition Cost																0.01	1	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	ECDC	ECDC	35	/TON						1					CY		1	CY	35
	Subtotal																			235
	No. 2 Truck Dump	Steel Bld. Large	02220 110 0012	0.26	/CF	200	30	1								FT		6000	CF	1560
	Structure's Demolition Cost																0.01	2	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	ECDC	ECDC	35	/TON						2					CY		2	CY	70
	Subtotal																			1630
	Footer's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	30	40	1								FT		44	CY	300
	Footer's Vol. Demolished																1.3	57	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													57	CY	82
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi, rnd. trip	02315 490 0320	3.49	/CY													57	CY	199
	Disposal Costs	On site disposal	02220 240 5550	7.6	/CY													57	CY	433
	Subtotal																			1014
	Total																			4413

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
	No 2 Truck Dump 04																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	16	16	22								FT		5632	CF	1464
	Structure's Vol. Demolished																0.01	2	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						2					CY		2	CY	70
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1534
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Footer's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	120	8	1								FT		36	CY	245
	Footer's Vol. Demolished																1.3	47	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													47	CY	67
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													47	CY	164
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													47	CY	364
	Subtotal																			840
	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																			2374

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
	No 3 Truck Dump 05																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	14	14	20								FT		3920	CF	1019
	Structure's Vol. Demolished																0.01	1	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						1					CY		1	CY	35
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1054
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Footer's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	20	20	1								FT		15	CY	102
	Footer's Vol. Demolished																1.3	20	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													20	CY	29
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													20	CY	70
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													20	CY	155
	Subtotal																			356
	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																			1410

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
	No 4 Truck Dump 06																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	16	16	20								FT		5120	CF	1331
	Structure's Vol. Demolished																0.01	2	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						2					CY		2	CY	70
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1401
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Footer's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	48	4	2								FT		14	CY	95
	Footer's Vol. Demolished																1.3	18	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													18	CY	26
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													18	CY	63
	Disposal Costs	On site disposal	02220 240 5550	7.76	/CY													18	CY	140
	Subtotal																			324
	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																			1725

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
	No 5 Truck Dump 07																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	30	14	8								FT		3360	CF	874
	Structure's Vol. Demolished																0.01	1	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						1					CY		1	CY	35
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			909
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Footer's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	10	15	1								FT		6	CY	41
	Footer's Vol. Demolished																1.3	8	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													8	CY	11
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													8	CY	28
	Disposal Costs	On site disposal	02220 240 5560	7.75	/CY													8	CY	62
	Subtotal																			142
	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																			1051

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 Eight 08																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	1980	4	4								FT		31680	CF	8237
	Structure's Vol. Demolished																0.01	12	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						12					CY		12	CY	420
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			8657
	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																			8657

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
	Conveyor 48 inch 09																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	1980	4	4								FT		31680	CF	8237
	Structure's Vol. Demolished																0.01	12	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						12					CY		12	CY	420
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			8657
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Floor Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	10	15	1								FT		0	CY	0
	Floor's Vol. Demolished																1.3	0	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													0	CY	0
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													0	CY	0
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													0	CY	0
	Subtotal																			0
	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																			8657

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
	No 4 Radial Stacker 10																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	200	8	8								FT		12800	CF	3328
	Structure's Vol. Demolished																0.01	5	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						5					CY		5	CY	175
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			3503
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Floor Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	10	15	1								FT		0	CY	0
	Floor's Vol. Demolished																1.3	0	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													0	CY	0
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													0	CY	0
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													0	CY	0
	Subtotal																			0
	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																			3503

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
	No 5 Radial Stacker 11																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	100	6	6								FT		3600	CF	936
	Structure's Vol. Demolished																0.01	1	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						1					CY		1	CY	35
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			971
	Equipment 's Disposal Cost																			
	Dismanting Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Floor Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	0	0	0								FT		0	CY	0
	Floor's Vol. Demolished																1.3	0	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													0	CY	0
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													0	CY	0
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													0	CY	0
	Subtotal																			0
	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																			971

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
	Conveyor Piers 12																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	0	0	0								FT		0	CF	0
	Structure's Vol. Demolished																0.01	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	ECDC	ECDC	35	/TON						0					CY		0	CY	0
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			0
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Floor Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	3	3	6							40	FT		80	CY	545
	Floor's Vol. Demolished																1.3	104	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													104	CY	149
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													104	CY	363
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													104	CY	806
	Subtotal																			1863
	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																			1863

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
	Support Structure 13																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	300	1	1							18	FT		5400	CF	1404
	Structure's Vol. Demolished																0.01	2	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						2					CY		2	CY	70
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1474
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Floor Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	0	0	0							0	FT		0	CY	0
	Floor's Vol. Demolished																1.3	0	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													0	CY	0
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													0	CY	0
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													0	CY	0
	Subtotal																			0
	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																			1474

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 15																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	1040	14	8								FT		116480	CF	30285
	Structure's Vol. Demolished																0.01	43	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						43					CY		43	CY	1505
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			31790
	Escape Tunnel																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF			160	4							FT		2011	CF	523
	Structure's Vol. Demolished																0.01	1	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						1					CY		1	CY	35
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			558
	Reclaim Tunnel 15																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	4	4	4							2	FT		128	CF	33
	Structure's Vol. Demolished																0.01	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	ECDC	ECDC	35	/TON						0					CY		0	CY	0
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			33
	Escape Tunnel																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	8	8	8								FT		512	CF	133
	Structure's Vol. Demolished																0.01	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	ECDC	ECDC	35	/TON						0					CY		0	CY	0
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			133
	Total																			32614

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 Tank 14																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF						21390					CF		21390	CF	5561
	Structure's Vol. Demolished																0.01	8	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						8					CY		8	CY	280
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			5841
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Floor Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY						90					CY		90	CY	613
	Floor'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
	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																			7936

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
	Portable Hopper 16																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	20	12	14								FT		3360	CF	874
	Structure's Vol. Demolished																0.01	1	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						1					CY		1	CY	35
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			909
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Pad's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	0	0	0								FT		0	CY	0
	Pad's Vol. Demolished																1.3	0	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													0	CY	0
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													0	CY	0
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													0	CY	0
	Subtotal																			0
	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																			909

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
	Trailer 17																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	30	8	8								FT		1920	CF	499
	Structure's Vol. Demolished																0.01	1	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						25					CY		25	CY	875
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1374
	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																			1374

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
	Transfer Bin 18																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF			30	16							FT		6032	CF	1568
	Structure's Vol. Demolished																0.01	2	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						2					CY		2	CY	70
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1638
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Pad's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	20	20	1								FT		15	CY	102
	Pad's Vol. Demolished																1.3	20	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													20	CY	29
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													20	CY	70
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													20	CY	155
	Subtotal																			356
	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																			1994

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
	Preparation Plant 19																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	110	80	80								FT		704000	CF	183040
	Structure's Vol. Demolished																0.01	261	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						261					CY		261	CY	9135
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			192175
	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	110	80	1								FT		326	CY	2220
	Concrete's Vol. Demolished																1.3	424	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													424	CY	606
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													424	CY	1480
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													424	CY	3286
	Subtotal																			7592
	Pad's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY						75					CY		75	CY	511
	Pad's Vol. Demolished																1.3	98	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													98	CY	140
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													98	CY	342
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													98	CY	760
	Subtotal																			1753
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			201520

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 20																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	20	27	8								FT		4320	CF	1123
	Structure's Vol. Demolished																0.01	2	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						64					CY		64	CY	2240
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			3363
	Transformers 's Disposal Cost	Mechanical equipment heavy	15055 300 3600	850	/ton							2				Ton		2	Ton	1700
	Fence Cost	Chain link remove 8'-10'	02220 220 1700	3.05	/LF	180										FT		180	FT	549
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			2249
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	20	27	0.5								FT		10	CY	
	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. rnd. 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																			165
	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																			5777

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 21																			
	Structure's Demolition Cost	3000 gal. to 5000 gal. tank	02115 200 0110	600	Ea.										2	EA		2	EA	1200
	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	ECDC	ECDC	35	/TON						0					CY		0	CY	0
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1200
	Trailer																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02220 110 0100	0.28	/CF	10	50	8								FT		4000	CF	1120
	Structure's Vol. Demolished																0.01	1	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						1					CY		1	CY	35
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1155
	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	30	30	0.66							4	FT		91	CY	
	Concrete's Vol. Demolished																1.3	118	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													118	CY	169
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													118	CY	412
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													118	CY	915
	Subtotal																			1496
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	30	30	0.5								FT		17	CY	
	Concrete's Vol. Demolished																1.3	22	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													22	CY	31
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													22	CY	77
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													22	CY	171
	Subtotal																			279
	Total																			4130

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 Control Bld 22																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	22	16	12								FT		4224	CF	1098
	Structure's Vol. Demolished																0.01	2	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						2					CY		2	CY	70
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1168
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Pad's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	22	22	0.5								FT		9	CY	61
	Pad's Vol. Demolished																1.3	12	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													12	CY	17
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													12	CY	42
	Disposal Costs	On site disposal	02220 240 5560	7.75	/CY													12	CY	93
	Subtotal																			213
	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																			1381

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
	Sample House 23																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	22	22	30								FT		14520	CF	3775
	Structure's Vol. Demolished																0.01	5	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						5					CY		5	CY	175
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			3950
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Pad's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	22	22	0.5								FT		9	CY	61
	Pad's Vol. Demolished																1.3	12	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													12	CY	17
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													12	CY	42
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													12	CY	93
	Subtotal																			213
	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																			4163

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	Concrete Bld. Large	02220 110 0050	0.37	/CF			200	20						4	FT		62832	CF	23248
	Structure's Vol. Demolished																0.01	23	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						23					CY		23	CY	805
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			24053
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Pad's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY					186					4	CY		744	CY	5067
	Pad's Vol. Demolished																1.3	967	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													967	CY	1383
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													967	CY	3375
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													967	CY	7494
	Subtotal																			17319
	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																			41372

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 Silo 25																			
	Structure's Demolition Cost	Concrete Bld. Large	02220 110 0050	0.37	/CF			200	50						4	FT		392699	CF	145299
	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	ECDC	ECDC	35	/TON						145					CY		145	CY	5075
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			150374
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Pad's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY					2327					1	CY		2327	CY	15847
	Pad's Vol. Demolished																1.3	3025	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													3025	CY	4326
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi, rnd, trip	02315 490 0320	3.49	/CY													3025	CY	10557
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													3025	CY	23444
	Subtotal																			54174
	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																			204548

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
	Railroad 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	Rail Road Removal	Contractors	10000	/Mi	8100										LF		1.5	Mi	15000
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			15000
	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																			15000

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
	Powerline 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	Powerpole	Hiawatha	100	EA										25	EA.		25	EA.	2500
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			2500
	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																			2500

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
	Aphalt 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																			
	Haul Road																			
	Pavement's Demolition																			
	Demolition Cost	Pavement Removal 4-6"	02220 250 5050	6.75	/SY	4700	24									FT		12533	SY	84598
	Pavement's Vol. Demolished							0.5									1.3	2715	CY	
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													2715	CY	21041
	Subtotal																			105639
	Parking Lot																			
	Pavement's Demolition																			
	Demolition Cost	Pavement Removal 4-6"	02220 250 5050	6.75	/SY	50	140									FT		778	SY	5252
	Pavement's Vol. Demolished							0.25										84	CY	
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													84	CY	651
	Subtotal																			5903
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			111542

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
	Pumphouse 29																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02220 110 0100	0.28	/CF	40	26	10								FT		10400	CF	2912
	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	ECDC	ECDC	35	/TON						135					CY		135	CY	4725
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			7637
	Pumphouse																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF			8	12						1	Ft.		905	CF	235
	Structure's Vol. Demolished																0.01	5	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						5					CY		5	CY	175
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			410
	Pumphouse																			
	Structure's Demolition Cost	Concrete Bld. Large	02220 110 0050	0.37	/CF			30	21						1	Ft.		10391	CF	3845
	Structure's Vol. Demolished																0.01	4	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON						4					CY		4	CY	140
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			3985
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Pad's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	40	26	0.5								FT		19	CY	129
	Pad's Vol. Demolished																1.3	25	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													25	CY	36
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													25	CY	87
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													25	CY	194
	Subtotal																			446
	Total																			12478

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
	River Pump 30																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	8	8	8								FT		512	CF	133
	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																			133
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Pad's Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	8	8	1								FT		2	CY	14
	Pad's Vol. Demolished																1.3	3	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													3	CY	4
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi, md. trip	02315 490 0320	3.49	/CY													3	CY	10
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													3	CY	23
	Subtotal																			51
	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																			184

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 Rails 31																			
	Structure's Demolition Cost	Guidersil remove	02220 240 0800	12.2	LF	4950										LF		4950	LF	60390
	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																			60390
	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																			60390

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
	Culverts 32																			
	Excavate 12" diameter culvert	Excavation Bulk Bank 2 CY (322BL)	02315 424 0260	1.74	/CY	300	2	2								FT		44	CY	77
	Backfill 12" diameter culvert	Backfill Trench Minimal Haul 2 1/4 CY	02315 610 3080	1.58	/CY	300	2	2								FT		44	CY	70
	Excavate 18" diameter culvert	Excavation Bulk Bank 2 CY (322BL)	02315 424 0260	1.74	/CY	810	2	3								FT		180	CY	313
	Backfill 18" diameter culvert	Backfill Trench Minimal Haul 2 1/4 CY	02315 610 3080	1.58	/CY	810	2	3								FT		180	CY	284
	Excavate 24" diameter culvert	Excavation Bulk Bank 2 CY (322BL)	02315 424 0260	1.74	/CY	750	2	4								FT		222	CY	386
	Backfill 24" diameter culvert	Backfill Trench Minimal Haul 2 1/4 CY	02315 610 3080	1.58	/CY	750	2	4								FT		222	CY	351
	Subtotal																			1481
	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																			1481

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 33																			
	36" Conveyor																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	100	45	10								FT		45000	CF	11700
	Structure's Vol. Demolished																0.1	167	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON											CY		167	CY	5845
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			17545
	Steel Stacking Tube																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF			80.3	10						2	FT		12613	CF	3279
	Structure's Vol. Demolished																0.1	47	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON											CY		47	CY	1645
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			4924
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY						46					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																			
	Total																			23542

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
	Coal Sampler Addition 34																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	27	26	16								FT		11232	CF	2920
	Structure's Vol. Demolished																0.1	42	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON								100			lb/cf		57	ton	1995
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			4915
	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	27	26	0.75								FT		19	CY	129
	Concrete's Vol. Demolished																1.3	25	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													25	CY	36
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													25	CY	87
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													25	CY	194
	Subtotal																			446
	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																			5361

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
	Conveyor Transfer 35																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	1538	7	4								FT		43064	CF	11197
	Structure's Vol. Demolished																0.05	80	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON								100			lb/cf		108	ton	3780
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			14977
	Excavate 18" diameter culvert	Excavation Bulk Bank 2 CY (322BL)	02315 424 0260	1.74	/CY	800	2	3								FT		178	CY	310
	Backfill 18" diameter culvert	Backfill Trench Minimal Haul 2 1/4 CY	02315 610 3080	1.58	/CY	800	2	3								FT		178	CY	281
	Subtotal																			591
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY	8	2	2							22	FT		26	CY	177
	Concrete's Vol. Demolished																1.3	34	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													34	CY	49
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													34	CY	119
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													34	CY	264
	Subtotal																			609
	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																			16177

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
	New Shop Oil Storage Bld 36																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	40	80	18								FT		57600	CF	14976
	Structure's Vol. Demolished																0.01	21	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	ECDC	ECDC	35	/TON								100			lb/cf		28	ton	980
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			15956
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			0
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY						126					CY		126	CY	858
	Concrete's Vol. Demolished																1.3	164	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													164	CY	235
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	02315 490 0320	3.49	/CY													164	CY	572
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													164	CY	1271
	Subtotal																			2936
	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																			18892

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
	Plant Expansion 37																			
	Plant Feed Conveyor																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	233	4	4								FT		3728	CF	969
	Structure's Vol. Demolished																0.01	1	CY	
	Fine Raow Coal Conveyor																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	200	4	4								FT		3200	CF	832
	Structure's Vol. Demolished																0.01	1	CY	
	Refuse Conveyor																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	100	4	4								FT		1600	CF	416
	Structure's Vol. Demolished																0.01	1	CY	
	Stacking Conveyor																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.26	/CF	100	4	4								FT		1600	CF	416
	Structure's Vol. Demolished																0.01	1	CY	
	Subtotal																			2633
	Plant Feed Conveyor																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY						42.6					CY		42.6	CY	290
	Concrete's Vol. Demolished																1.3	55	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													55	CY	79
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													55	CY	192
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													55	CY	426
	Subtotal																			987
	Fine Raow Coal Conveyor																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY						33.1					CY		33.1	CY	225
	Concrete's Vol. Demolished																1.3	43	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													43	CY	61
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													43	CY	150
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													43	CY	333
	Subtotal																			769
	Refuse Conveyor																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY						15.3					CY		15.3	CY	104
	Concrete's Vol. Demolished																1.3	20	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													20	CY	29
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													20	CY	70
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													20	CY	155
	Subtotal																			358
	Stacking Conveyor																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	6.81	/CY						85.1					CY		85.1	CY	580
	Concrete's Vol. Demolished																1.3	111	CY	
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.43	/CY													111	CY	159
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	02315 490 0320	3.49	/CY													111	CY	387
	Disposal Costs	On site disposal	02220 240 5550	7.75	/CY													111	CY	860
	Subtotal																			1986
	Total																			6733

	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
Cleanup Coal Piles															6899
Recontouring															201638
Topsoil															90123
Ripping															18194
Subtotal															309955

	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
Savage Coal Terminal Cleanup Coal Piles															
D9R Semi-U EROPS (9-54) (2H2005)	18485	80.3	0.1	55.4	259.26	1	259.26	HR	1500	CY	187	CY/HR	8	HR	2074
988G EROPS (9-37) (2nd2005) 2005	9010	40.05	0.1	55.4	155.77	1	155.77	HR	1500	CY	187	CY/HR	8	HR	1246
CLAB					42.65	1	42.65	HR					16	HR	682
Foreman Average, Outside					59.9	1	59.9	HR					16	HR	958
5,000 gal H2O truck Diesel (20-17) (2nd2005)	4990	31.95	0.1	43.3	109.63	1	109.63	HR					16	HR	1754
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	HR					16	HR	185
Subtotal															6899

	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
Svage Coal Terminal Recontouring															
D9R Semi-U EROPS (9-54) (2H2005)	18485	80.3	0.1	55.4	259.26	1	259.26	HR					543	HR	140778
CLAB					42.65	1	42.65	HR					272	HR	11601
Foreman Average, Outside					59.9	1	59.9	HR					272	HR	16293
5,000 gal H2O truck Diesel (20-17) (2nd2005)	4990	31.95	0.1	43.3	109.63	1	109.63	HR					272	HR	29819
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	HR					272	HR	3147
Subtotal															201638

	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
Savage Coal Terminal Topsoil															
D8R Series II (9-54) (2nd2005)	14705	59.75	0.1	55.4	213.03	1	213.03	HR					93	HR	19812
627G EROPS (9-51) (2nd2005)	16560	98.8	0.1	55.4	267.58	1	267.58	HR					185	HR	49502
CLAB					42.65	1	42.65	HR					93	HR	3966
Foreman Average, Outside					59.9	1	59.9	HR					93	HR	5571
5,000 gal H2O truck Diesel (20-17) (2nd2005)	4990	31.95	0.1	43.3	109.63	1	109.63	HR					93	HR	10196
Pickup Truck Crew 4x4 1 ton (20-17) (2nd2005)	900	5.4	0.1	0	11.57	1	11.57	HR					93	HR	1076
Subtotal															90123

	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
Ripping															
D7R Series II (9-54) (2nd2005)	11230	46.65	0.1	55.4	176.9	1	176.9	HR					93	HR	16452
Multi-Shank Ripper 190-259 P (9-61) (2nd2005)	1915	6.15	0.1		18.73	1	18.73	HR					93	HR	1742
Subtotal															18194

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																			
	General Area																			
	Seeding Equipment and Labor	Tractor Spreader (equip. & labor) B-66	Reveg004	11.95	/MSF					125.9						AC		5484	MSF	65534
	Seeding Material	General Seed Mix	Savage07221	151.15	/AC					125.9						AC		126	AC	19045
	Mulch	Hay 1 inch small power mulcher	M029105000250	75	/MSF					125.9						AC		5484	MSF	411300
	Riprarian																			
	Seeding Equipment and Labor	Hydro Spreader (equip. & labor) B-81 80MS	Reveg002	19.8	/MSF					5.28						AC		230	MSF	4554
	Seeding Material	Riparian Seed Mix	Savage07222	49.5	/AC					5.28						AC		5	AC	248
	Area									5.28										
										5.28						AC				
		Bare root seedlings, 11" to 16" med. soil	02915 400 0562	1.31	Ea										4963	EA		4963	EA	6502
	Subtotal																			507183
	Revegetation																			
	25% Revegetation Rate																			126796
	Subtotal																			126796
	Subtotal																			
	Subtotal																			
	Total																			633979