RECLAMATION SURETY E' MATE

Ash Grove Cement Company last revision **09/10/01**

Leamington Plant & Quarry *filename M000-000.WB2*

M023/004 *Juab County*

Prepared by Utah State Division of Oil, Gas & Mining

This estimate was prepared by Ash Grove Cement Co.

Numbered activitys noted below correspond to features shown on the drawing # R647-4-105.2P Surface Facilities & R647-4-105.2Q - Quarry

Amounts noted below reflect a total dollar amount of all activities required to reclaim each feature.

Ash Grove's surety estimate attached which identifies activities & costs involved with each feature

Note: actual unit costs may vary according to site conditions ***last unit cost update*** 2-Aug-2000

-Amount of disturbed area which will receive reclamation treatments = 542.0 **acres**

-Estimated total disturbed area for this mine = 669.0 **acres**

Activity	Quantity	Units	$/unit	$	Note
#1-6 Truck Silo Demolition				47,673.08	
#7 Large Truck Silo Demolition				18,000.80	
#8 Conveyor Demolition				26,208.04	
#9 Bath House				25,717.89	
#10 Administration Office				35,447.46	
#11 Cafeteria				22,960.69	
#12-13 Field Tile & Septic Tanks				1,508.60	
#14 Man Tunnel				1,515.40	
#15 Break Room/Restroom				3,148.96	
#16 Switch Gear #1				6,984.10	
#17 Electric Sub Station				28,364.95	
#18-21 Waste Oil, Gasoline, #2 Diesel & #1 Diesel Storage				14,942.60	
#22 Storage				19,702.57	
#23 Mobil Equipment				17,846.93	
#24 Waste Oil Storage				1,238.71	
#25 Lube Storage				1,879.90	
#26 Conveyor				5,797.53	
#27 Raw Materials Truck Dump				9,360.45	
#28 Storage				486.60	
#29 Raw Materials Silos quantity 5				9,199.84	
#30 Warehouse				*34,008.74*	
#31 Maintenance Shop				30,144.35	
#32 Bag House				22,453.26	
#33 Water Tank				3,381.43	
#34 Supply Storage Yard				37,437.21	
#35 Diesel Storage				6,786.20	
#36 Storage Buildings				701.34	
#37-38 Blend Silos				8,881.74	
#39 Lube,Hydrolic Oil Storage				741.43	
#40 Raw Mill				23,489.77	
#41 Switch Gear #4				9,271.08	
#42 Finish Mill				37,219.05	
#43 Preheat Tower				41,351.21	
#44 Alkali Bag House				4,893.67	
#45 Storage				611.52	
#46 Pipeline				93.85	
#47 Stack				1,233.61	
#48 Coal Silo				6,257.79	
#49 Kiln Scanner Building				136.19	
#50 Coal Truck Dump				15,125.00	
#51 Control Room & Lab				47,849.01	
#52 Switch Gear #7				8,911.95	
#53 Burner Floor				4,975.95	
#54 Heat Exchanger				6,145.13	
#55 Bag House				6,449.17	
#56 Power Wash Room				520.14	
#57 Water Treatment Glycol Cooler				2,268.31	
#58 Gypsum Silo				1,377.88	

	#59-60 Clinker Silos				25,543.52
	#61 Truck Scale				8,411.92
	#62 Scale House				41.21
	#63 Clinker Storage				8,583.82
	#64 Water Supply Well				520.14
	#65 First Aid Room				5,482.61
	#66 Instrument Shop				279.30
	#67 Stack				2,840.30
	#68 Stack				1,233.61
	#69 Kiln				4,353.16
	#70 Off Spec Clinker Silo				3,949.24
	#71 Clinker Elevator				1,534.81
	#72 Glycol Distribution Building				2,102.45
	#73 Tunnel Clinker Silos				20,875.31
	#74 Clinker Conveyor				3,712.62
	#75 Bridge over Canal				5,116.02
	#76 Process Duct				10,133.96
	#77 Cement Distribution Point to Silos				3,712.62
	#100 Switch Gear #2				2,527.06
	#101 Crusher				15,049.78
	#102 Lunch Room				2,590.78
	#103 Pump House				124.10
	#104 Water Tank				690.09
	#105 Diesel Fuel Tank				1,349.24
	#106 C-111 Cover				1,917.16
	#107 Switch Gear #3				2,266.41
	#108 B-8 Overland Belt				18,386.29
	#109 Hopper				510.10
	#110 Transfer Tower				7,701.60
	#111 Stacker/reclaimer				103,570.46
	#112 Cap Magazine				15.20
	#113 Anfo Trailer Storage				0.00
	#114 Detonator Magazine				169.50
	#115 Anfo Bin				303.25
	Demolition of Concrete, Asphalt Roadways & flatworks in Process Area				1,003,365.12
	Reclaim North Access Road				103,472.42
	Reclaim South Access Road				306,212.47
	Install Drainage Channels				122,396.47
	Reclaim Pond #2				7,036.64
	Reclaim Pond #3				2,934.88
	Reclaim Pond #4				1,732.64
	Reclaim Pond #5				450.84
	Reclaim Pond #6				7,284.16
	Reclaim Proposed Road				14,603.68
	Ripping Road Under Conveyor Belt				8,527.62
	Ripping Exploration Roads SE of Quarry - Burma Road				51,277.68
	Ripping remaining Portion of a Branch Road to Process Facilities				2,009.06
	Ripping on the West Side of Quarry				34,521.00
	Ripping road to Quartzite Quarry				24,083.84
	Ripping Road to Stacker/Reclaimer				8,527.62
	Reclamation Revegetation of Disturbed Area	542.0	Acres		662,092.20
	Composted Manure - 10 tons/acre	279.0	Acres	300	83,700.00
	General Site Clean-up	45.0	Acres	50	2,250.00
59	Reclamation Supervision	30	Days	372	11,160.00
60			Subtotal		3,383,937
61	10% Contingency				338,394
62			Subtotal		$3,722,331
63	Escalate for 5 years at 3.13% per yr				620,171
64			Total		$4,342,502
65		Rounded surety amount in yr 2006-$			**$4,342,500**
66	Average cost per disturbed acre =	$6,491			

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Surety Estimate Using CostWorks 1999 - Ash Grove Cement Co. - Leamington Plant & Quarry

Revised: Aug. 31, 2001 Permit No. M/023/004

1-6 Truck Silos Demolition

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
37,800.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 2,646.00	$ 4,536.00	$ 7,182.00	1. Demolition by explosion of 6 - 42ft. x 150ft. x 1ft. truck loadout silos.
1,400.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY ca	B10U	1,475	0.008	C.Y.	$ 294.00	$ 882.00	$ 1,176.00	2. Loading cost of truck silo debris and dump the truck scale pit for a front end loader.
1,093.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 ld	B34D	221	0.036	C.Y.	$ 885.33	$ 2,765.29	$ 3,650.62	3. Hauling conc. debris to quarry for disposal, excluding 307c.y.s to fill the truck scale pit.
31.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 914.50	$ 961.00	$ 1,875.50	4. Demolishing truck scale concrete walls and leaving them in the truck scale excavation.
522.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 15,399.00	$ 16,182.00	$ 31,581.00	5. Demolishing the 130ft. x 130ft. x 10inch concrete pad.
522.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 ld	B34D	221	0.036	C.Y.	$ 422.82	$ 1,320.66	$ 1,743.48	6. Hauling the truck silo concrete pad (130ft. x 130ft. x 10inch) to the quarry for disposal.
522.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY ca	B10U	1,475	0.008	C.Y.	$ 109.62	$ 328.86	$ 438.48	7. Loading the truck silo pad on trucks with a front end loader.
50.0	0222084020	Backfill, structural, 200 H.P., 50' haul, common earth	B10B	2,200	0.005	C.Y.	$ 7.00	$ 19.00	$ 26.00	8. Filling and covering the truck scale pit with native earth material.
		Totals					$ 20,678.27	$ 26,994.81	$ 47,673.08	

7 Large Truck Silo Demolition

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
17,880.0	206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 1,251.60	$ 2,145.60	$ 3,397.20	1. Large truck loadout silo demolition by explosion.
183.0	205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 5,398.50	$ 5,673.00	$ 11,071.50	2. Pile cap demolition for large truck loadout silio.
845.0	222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY ca	B10U	1,475	0.008	C.Y.	$ 177.45	$ 532.35	$ 709.80	3. Front end loader to load trucks with all large truck loadout silo material.
845.0	222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 ld	B34D	221	0.036	C.Y.	$ 684.45	$ 2,137.85	$ 2,822.30	4. Truck haulage to quarry for disposal of concrete debris from large truck loadout silo.
		Totals					$ 7,512.00	$ 10,488.80	$ 18,000.80	

8 Conveyor Demolition

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
497.0	512400100	Steel cutting, hand burning, including prep, steel to 1/2" thick	E14	70	0.114	L.F.	$ 1,406.51	$ 581.49	$ 1,988.00	1. Torch cutting of silo conveyor legs into 15ft. lengths.
3,247.0	206160020	Explosive/implosive dml, no disposal, steel bldg	B5B	16,900		C.F.	$ 227.29	$ 389.64	$ 616.93	2. Blasting the legs of the truck loadout silo conveyors to topple the conveyor.
3,364.0	512400200	Steel cutting, torch cutting, 1" thick	E14	45	0.178	L.F.	$ 14,801.60	$ 6,122.48	$ 20,924.08	3. Cutting up steel tube and frame.
1.0	164206100	Cutting conveyor belt with circular saw				Ea.	$ 96.00	$ 36.50	$ 132.50	4. Cutting up conveyor belt.
1,018.0	222381601	Excavating, bulk bank measure, FE loader, whl mtd, 3 CY ca	B10T	1,125	0.011	C.Y.	$ 285.04	$ 407.20	$ 692.24	5. Piling scrap steel pieces at staging area by rail spur for scrap metal dealer loadout.
20.0	206120100	Dump charges, typical urban city, fees only, bldg constr mate				Ton	$-	$ 1,070.00	$ 1,070.00	6. Dump disposal in Delta of cut up conveyor belt.
53.0	222661130	Hauling, LCY, no loading, 16.5 c.y dump trailer, 20 mi RT, .4	B34C	54	0.148	C.Y.	$ 174.37	$ 545.90	$ 720.27	7. Hauling cut-up conveyor belt to Delta, UT dump.
66.0	222664700	Highway hauling beyond 20 miles, per loaded mile, minimum				Mile	$-	$ 64.02	$ 64.02	8. Additional miles of travel beyond 20 miles per round trip cost.
		Totals					$ 16,990.81	$ 9,217.23	$ 26,208.04	

9 Bath House

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
33,600.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 2,352.00	$ 4,032.00	$ 6,384.00	1. Demolition with explosives of Bath House.
467.0	0205542000	Site dml, conc to 6" thick, rod reinforced	B38	200	0.2	S.Y.	$ 2,288.30	$ 2,358.35	$ 4,646.65	2. Demolition of Bath House Foundation.
218.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY ca	B10U	1,475	0.008	C.Y.	$ 45.78	$ 137.34	$ 183.12	3. Loading trucks with clean concrete from building and foundation to deliver to quarry.
218.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 ld	B34D	221	0.036	C.Y.	$ 176.58	$ 551.54	$ 728.12	4. Truck haulage to quarry of concrete from Bath House.
4,200.0	0207161000	Gutting, building interior, including disposal, commercial bldg	B16	350	0.091	SF Flr.	$ 8,526.00	$ 5,250.00	$ 13,776.00	5. Gutting out the interior of the building and disposing of all materials.
		Totals					$ 13,388.66	$ 12,329.23	$ 25,717.89	

10 Administration Office

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
46,400.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 3,248.00	$ 5,568.00	$ 8,816.00	1. Demolition with explosives of Administration Office.
644.0	0205542000	Site dml, conc to 6" thick, rod reinforced	B38	200	0.2	S.Y.	$ 3,155.60	$ 3,252.20	$ 6,407.80	2. Demolition of Administration Office Foundation.
287.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY ca	B10U	1,475	0.008	C.Y.	$ 60.27	$ 180.81	$ 241.08	3. Loading trucks with clean concrete from building and foundation to deliver to quarry.
287.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 ld	B34D	221	0.036	C.Y.	$ 232.47	$ 726.11	$ 958.58	4. Truck haulage to quarry of concrete from Administration Office.
5,800.0	0207161000	Gutting, building interior, including disposal, commercial bldg	B16	350	0.091	SF Flr.	$ 11,774.00	$ 7,250.00	$ 19,024.00	5. Gutting out the interior of the building and disposing of all materials.
		Totals					$ 18,470.34	$ 16,977.12	$ 35,447.46	

11 Cafeteria

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
395.0	0205542000	Site dml, conc to 6" thick, rod reinforced	B38	200	0.2	S.Y.	$ 1,935.50	$ 1,994.75	$ 3,930.25	1. Demolition of Cafeteria Foundation.
3,552.0	0207161000	Gutting, building interior, including disposal, commercial bldg	B16	350	0.091	SF Flr.	$ 7,210.56	$ 4,440.00	$ 11,650.56	2. Gutting out the interior of the building and disposing of all materials.
28,416.0	0206040050	Build dml, urban, 20 mi haul, no dump fee/fnd, concrete	B8	15,300		C.F.	$ 2,841.60	$ 4,262.40	$ 7,104.00	3. Dismanteling Cafeteria and disposing of debris.
66.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY ca	B10U	1,475	0.008	C.Y.	$ 13.86	$ 41.58	$ 55.44	4. Loading Cafeteria foundation into trucks for quarry disposal.
66.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 ld	B34D	221	0.036	C.Y.	$ 53.46	$ 166.98	$ 220.44	5. Truck hauling of Cafeteria foundation to quarry.
		Totals					$ 12,054.98	$ 10,905.71	$ 22,960.69	

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Surety Estimate Using CostWorks 1999 - Ash Grove Cement Co. - Leamington Plant & Quarry

12 - 13 Field Tile & Septic Tanks

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
175.0	0222540500	Excavate trench, concrete curb, 6'-10' deep, 3/4 CY hyd ba	B12F	225	0.071	C.Y.	$ 334.25	$ 348.25	$ 682.50	1. Excavating septic tanks and lines.
24.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 5.04	$ 15.12	$ 20.16	2. Loading concrete septic tanks (4) into trucks.
24.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 19.44	$ 60.72	$ 80.16	3. Hauling concrete septic tanks to quarry for disposal.
555.0	0222084020	Backfill, structural, 200 H.P., 50' haul, common earth	B10B	2,200	0.005	C.Y.	$ 77.70	$ 210.90	$ 288.60	4. Regrading septic area with dozer.
1.0	0164206100	Cutting PVC septic lines with a circular saw				Ea.	$ 70.00	$ 36.50	$ 106.50	5. Cutting up PVC septic lines.
2.0	0206120100	Dump charges, typical urban city, fees only, bldg constr ma				Ton	$ -	$ -	$ 107.00	6. Landfill disposal costs for PVC.
12.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 2.52	$ 7.56	$ 10.08	7. Loading PVC septic field lines into truck.
12.0	0222660560	Hauling, LCY, no loading, 12 c.y dump truck, 20 MI RT, 0.4	B34B	39	0.205	C.Y.	$ 54.72	$ 135.60	$ 190.32	8. Hauling cost to dump.
24.0	0222664700	Highway hauling beyond 20 miles, per loaded mile, minimu				Mile	$ -	$ -	$ 23.28	9. Additional cost to truck haul to dump for extra mileage beyond 20 mile round trip.
		Totals					$ 563.67	$ 814.65	$ 1,508.60	

14 Man Tunnel

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
320.0	0222084020	Backfill, structural, 200 H.P., 50' haul, common earth	B10B	2,200	0.005	C.Y.	$ 44.80	$ 121.60	$ 166.40	1. Pushing concrete rubble into man tunnel entrance and covering entrance with earth.
7,100.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 497.00	$ 852.00	$ 1,349.00	2. Demolition of Man Tunnel concrete entrance way with explosives.
		Totals					$ 541.80	$ 973.60	$ 1,515.40	

15 Break Room/Restroom

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
6,000.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 420.00	$ 720.00	$ 1,140.00	1. Demolition with explosives of Break Room/Restroom.
44.0	0205542000	Site dml, conc to 6" thick, rod reinforced	B38	200	0.2	S.Y.	$ 215.60	$ 222.20	$ 437.80	2. Demolition of Break Room/Restroom Foundation.
62.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 13.02	$ 39.06	$ 52.08	3. Loading trucks with clean concrete from building and foundation to deliver to quarry.
62.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 50.22	$ 156.86	$ 207.08	4. Truck haulage to quarry of concrete from Break Room/Restroom.
400.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	$ 812.00	$ 500.00	$ 1,312.00	5. Gutting out the interior of the building and disposing of all materials.
		Totals					$ 1,510.84	$ 1,638.12	$ 3,148.96	

16 Switch Gear #1

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
295.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 834.85	$ 345.15	$ 1,180.00	1. Cutting-up Switch Gear #1 building with a torch.
102.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 21.42	$ 64.26	$ 85.68	2. Loading steel scrap into trucks.
102.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 114.24	$ 231.54	$ 345.78	3. Hauling scrap metal to scrap pile at rail head.
1,638.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	$ 3,325.14	$ 2,047.50	$ 5,372.64	4. Gutting the building and disposing of the contents.
		Totals					$ 4,295.65	$ 2,688.45	$ 6,984.10	

17 Electric Sub Station

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
612.0	0205540700	Site dml, chain link, posts & fabric, 8' to 10' high	B6	445	0.054	L.F.	$ 777.24	$ 299.88	$ 1,077.12	1. Removal of chain link fence from around the Electric Sub Station (17).
6.0	0207061570	Electrical demo, transformer, 3 phase to 600v, primary, 750	R3	1.1	18.182	Ea.	$ 3,450.00	$ 732.00	$ 4,182.00	2. Removal of transformers.
4.0	0207173110	Hazardous W cln/pu/dspl, liq pickup, vac trk,min charge,4h				Hr.	$ 160.00	$ 228.00	$ 388.00	3. Pick-up of transformer fluids and transport to disposal site.
0.3	0207176020	Hazardous W cln/pu/dspl, dumpsite disposal charge, max				Ton	$ -	$ -	$ 97.50	4. Dumpsite disposal fees for transformer fluids.
162.0	0207300010	Torch cutting steel, 1" thick plate	1 Clab	32	0.25	L.F.	$ 866.70	$ -	$ 866.70	5. Torch cutting of steel structural supports.
336.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 9,912.00	$ 10,416.00	$ 20,328.00	6. Demolishing concrete pile cap.
341.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 71.61	$ 214.83	$ 286.44	6. Loading concrete and steel into trucks.
5.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 5.60	$ 11.35	$ 16.95	7. Hauling scrap metal to rail spur pile.
336.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 272.16	$ 850.08	$ 1,122.24	8. Hauling clean concrete debris to quarry for disposal.
		Totals					$ 15,515.31	$ 12,752.14	$ 28,364.95	

18 - 21 Waste Oil, Gasoline, #2 Diesel, & #1 Diesel Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
2.0	0208800310	Removal of ugnd stor tk, 6000gal to 8000gal tank	A13	4	2	Ea.	$ 109.00	$ 260.00	$ 369.00	1. Cleaning and removal of petro product residue from waste oil & gas storage tanks.
100.0	0208800390	Removal of ugnd stor tk, dispose of sludge off-site, avg				Gal.	$ -	$ -	$ 388.00	2. Diposal cost of getting rid of 100 gallons of tank cleaning product and sludge.
2.0	0208801026	Removal of ugnd stor tk, haul to certified salv dump, 6000g				Ea.	$ -	$ -	$ 1,260.00	3. Cost for removing and disposing of the two 7,900 gallon tanks.
4.0	0208800320	Removal of ugnd stor tk, 9000gal to 12,000gal tank	A13	3	2.667	Ea.	$ 292.00	$ 696.00	$ 988.00	4. Cleaning two 23,500 gal diesel tanks. Cleaning two 12,000 gal. tanks.
200.0	0208800390	Removal of ugnd stor tk, dispose of sludge off-site, avg				Gal.	$ -	$ -	$ 778.00	5. Disposal cost for 200 gallons of tank cleaning product and sludge.
4.0	0208801029	Removal of ugnd stor tk, haul to certified salv dump, 9000g				Ea.	$ -	$ -	$ 3,400.00	6. Removing & disposing two 23,500 gal tanks. Disposing two 12,000 gal tanks.
120.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 3,540.00	$ 3,720.00	$ 7,260.00	7. Demolishing concrete containment pit.
120.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 25.20	$ 75.60	$ 100.80	8. Loading concrete debris into trucks.
120.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 97.20	$ 303.60	$ 400.80	9. Truck hauling clean concrete to quarry for disposal.
		Totals					$ 4,063.40	$ 5,055.20	$ 14,942.60	

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22 Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,120.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 3,169.60	$ 1,310.40	$ 4,480.00	1. Cutting-up the Storage building into 15 foot length pieces for scrap metal with a torch.
226.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 6,667.00	$ 7,006.00	$ 13,673.00	2. Demolishing concrete foundation and stem wall.
369.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 77.49	$ 232.47	$ 309.96	3. Loading trucks with concrete and scrap metal.
226.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 183.06	$ 571.78	$ 754.84	4. Hauling clean concrete foundation to quarry for disposal.
143.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 160.16	$ 324.61	$ 484.77	5. Hauling scrap metal to rail head.
		Totals					$ 10,257.31	$ 9,445.26	$ 19,702.57	

23 Mobil Equipment

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
488.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 1,381.04	$ 570.96	$ 1,952.00	1. Cutting Mobil Equipment building into 15 foot length pieces for scrap metal.
84.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 2,478.00	$ 2,604.00	$ 5,082.00	2. Demolishing concrete foundation and stem wall.
231.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 48.51	$ 145.53	$ 194.04	3. Loading trucks with concrete and scrap metal.
84.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 68.04	$ 212.52	$ 280.56	4. Hauling clean concrete foundation to quarry for disposal.
147.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 164.64	$ 333.69	$ 498.33	5. Hauling scrap metal to rail head.
3,000.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	$ 6,090.00	$ 3,750.00	$ 9,840.00	6. Gutting and disposing of building contents.
		Totals					$ 10,230.23	$ 7,616.70	$ 17,846.93	

24 Waste Oil Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1.0	0208800300	Removal of ugnd stor tk, 3000gal to 5000gal tank	A13	5	1.6	Ea.	$ 43.50	$ 104.00	$ 147.50	1. Cost of cleaning 1,000 gallon Waste Oil Storage Tank.
50.0	0208800390	Removal of ugnd stor tk, dispose of sludge off-site, avg				Gal.	$ -	$ -	$ 194.00	2. Cost for diposal of sludge and cleaning materials.
1.0	0208801023	Removal of ugnd stor tk, haul to certified salv dump, 3000g				Ea.	$ -	$ -	$ 535.00	3. Disposal of the 1,000 gallon tank in proper facility.
5.6	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 165.20	$ 173.60	$ 338.80	4. Demolishing concrete containment structure.
5.6	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 1.18	$ 3.53	$ 4.70	5. Loading on trucks.
5.6	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 4.54	$ 14.17	$ 18.70	6. Hauling concrete containment debris to quarry for disposal.
		Totals					$ 214.41	$ 295.30	$ 1,238.71	

25 Lube Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
235.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 665.05	$ 274.95	$ 940.00	1. Cutting-up Lube Storage building with a torch.
54.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 11.34	$ 34.02	$ 45.36	2. Loading steel scrap into trucks.
54.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 60.48	$ 122.58	$ 183.06	3. Hauling scrap metal to scrap pile at rail head.
11.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 324.50	$ 341.00	$ 665.50	4. Demolish concrete slab.
11.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 2.31	$ 6.93	$ 9.24	5. Load the concrete slab debris on trucks.
11.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 8.91	$ 27.83	$ 36.74	6. Truck haul the clean concrete slab debris to the quarry for disposal
		Totals					$ 1,072.59	$ 807.31	$ 1,879.90	

26 Conveyor

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
113.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 319.79	$ 132.21	$ 452.00	1. Torch cutting of conveyor legs into 10-15ft. lengths.
131.0	0206160020	Explosive/implosive dml, no disposal, steel bldg	B5B	16,900		C.F.	$ 9.17	$ 15.72	$ 24.89	2. Blasting the legs of the conveyors to topple it.
480.0	0512400200	Steel cutting, torch cutting, 1" thick	E14	45	0.178	L.F.	$ 2,112.00	$ 873.60	$ 2,985.60	3. Torch cutting conveyor tubing and frame after toppling
175.0	0222381601	Excavating, bulk bank measure, FE loader, whl mtd, 3 CY c	B10T	1,125	0.011	C.Y.	$ 49.00	$ 70.00	$ 119.00	4. Loading scrap steel from conveyor into trucks.
1.0	0164206100	Cutting up conveyor belt with circular saw				Ea.	$ 160.00	$ 36.50	$ 196.50	5. Cutting up conveyor belt with circular saw.
12.0	0206120100	Dump charges, typical urban city, fees only, bldg constr ma				Ton	$ -	$ -	$ 642.00	6. Dump disposal in Delta of cut up conveyor belt.
53.0	0222661130	Hauling, LCY, no loading, 16.5 c.y dump trailer, 20 mi RT, .	B34C	54	0.148	C.Y.	$ 174.37	$ 545.90	$ 720.27	7. Hauling cut-up conveyor belt to Delta, UT dump.
66.0	0222664700	Highway hauling beyond 20 miles, per loaded mile, minimu				Mile	$ -	$ -	$ 64.02	8. Additional miles charge for travel beyond 20 miles per round trip.
175.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 196.00	$ 397.25	$ 593.25	9. Hauling conveyor to rail head scrap pile.
		Totals					$ 3,020.33	$ 2,071.18	$ 5,797.53	

27 Raw Materials Truck Dump

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
142.5	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 4,203.75	$ 4,417.50	$ 8,621.25	1. Raw Materials Truck Dump - leave clean concrete debris in hole and bury.
308.0	0222620190	Fill, spread fill, with dozer 300 h.p 300' haul	B10M	600	0.02	C.Y.	$ 160.16	$ 579.04	$ 739.20	2. Fill hole and regrading over the Raw Material Truck Dump area.
		Totals					$ 4,363.91	$ 4,996.54	$ 9,360.45	

28 Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
50.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 141.50	$ 58.50	$ 200.00	1. Cutting Storage building into 10 foot length pieces for scrap metal.
3.5	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 103.25	$ 108.50	$ 211.75	2. Demolishing concrete foundation and stem wall.
20.5	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 4.31	$ 12.92	$ 17.22	3. Load trucks with scrap metal. Place clean conc. debris in Raw Mtl Truck Dump hole..
17.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 19.04	$ 38.59	$ 57.63	4. Hauling scrap metal to rail head.
		Totals					$ 268.10	$ 218.51	$ 486.60	

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29 Raw Materials Silos (Qty 5)

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4,508.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 315.56	$ 540.96	$ 856.52	1. Demolition by explosion of Raw Materials Silos (qty 5).
167.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 35.07	$ 105.21	$ 140.28	2. Loading raw materials silos concrete debris into trucks with a front end loader.
167.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 135.27	$ 422.51	$ 557.78	3. Hauling raw materials silos concrete debris to the quarry for disposal.
111.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 3,274.50	$ 3,441.00	$ 6,715.50	5. Demolishing the 60ft. x 60ft. x 10inch concrete pad that the raw materials silos are on.
111.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 89.91	$ 280.83	$ 370.74	6. Hauling the concrete pad debris (60ft. x 60ft. x 10inch) to the quarry for disposal.
111.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 23.31	$ 69.93	$ 93.24	7. Loading the concrete pad debris on trucks with a front end loader.
74.0	0512400200	Steel cutting, torch cutting, 1" thick	E14	45	0.178	L.F.	$ 325.60	$ 134.68	$ 460.28	9. Cutting, with torch, the steel raw materials silo into 15 ft. pieces.
1.3	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 0.27	$ 0.82	$ 1.09	10. Loading silo scrap metal with loader.
1.3	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 1.46	$ 2.95	$ 4.41	11. Hauling scrap metal to rail head pile.
		Totals					$ 4,200.95	$ 4,998.89	$ 9,199.84	

30 Warehouse

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
975.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 2,759.25	$ 1,140.75	$ 3,900.00	1. Cutting Warehouse building into 15 foot length pieces for scrap metal.
153.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 4,513.50	$ 4,743.00	$ 9,256.50	2. Demolishing concrete foundation and stem wall.
403.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 84.63	$ 253.89	$ 338.52	3. Loading trucks with concrete and scrap metal.
153.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 123.93	$ 387.09	$ 511.02	4. Hauling clean concrete foundation to quarry for disposal.
250.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 280.00	$ 567.50	$ 847.50	5. Hauling scrap metal to rail head.
5,840.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	$ 11,855.20	$ 7,300.00	$ 19,155.20	6. Gutting and disposing of building contents.
		Totals					$ 19,616.51	$ 14,392.23	$ 34,008.74	

31 Maintenance Shop

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
925.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 2,617.75	$ 1,082.25	$ 3,700.00	1. Cutting Maintenance Shop into 15 foot length pieces for scrap metal.
135.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 3,982.50	$ 4,185.00	$ 8,167.50	2. Demolishing concrete foundation and stem wall.
360.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 75.60	$ 226.80	$ 302.40	3. Loading trucks with concrete and scrap metal.
135.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 109.35	$ 341.55	$ 450.90	4. Hauling clean concrete foundation to quarry for disposal.
225.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 252.00	$ 510.75	$ 762.75	5. Hauling scrap metal to rail head.
5,110.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	$ 10,373.30	$ 6,387.50	$ 16,760.80	6. Gutting building and disposing of contents.
		Totals					$ 17,410.50	$ 12,733.85	$ 30,144.35	

32 Bag House

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4,596.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 13,006.68	$ 5,377.32	$ 18,384.00	1. Cutting Bag House into 15 foot length pieces for scrap metal.
962.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 202.02	$ 606.06	$ 808.08	2. Loading trucks with concrete and scrap metal.
962.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 1,077.44	$ 2,183.74	$ 3,261.18	3. Hauling scrap metal to rail head.
		Totals					$ 14,286.14	$ 8,167.12	$ 22,453.26	

33 Water Tank

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
629.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 1,780.07	$ 735.93	$ 2,516.00	1. Cutting Water Tank into 15 foot length pieces or smaller for scrap metal.
13.6	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 2.86	$ 8.57	$ 11.42	2. Loading trucks with scrap metal.
13.6	0222660100	Hauling, LCY, no loading, 6 c.y dump truck, 2 MI RT, 2.6 ld	B34A	100	0.08	C.Y.	$ 24.21	$ 49.23	$ 73.44	3. Hauling scrap metal to rail head. Is only a 1.25 mile roundtrip (had to use 2 mile).
189.0	0222540050	Excavate trench, cont ftg, no sht/dewtrg, 1-4'D,3/8 CY tract	B11C	150	0.107	C.Y.	$ 506.52	$ 274.05	$ 780.57	4. Excavating water lines.
		Totals					$ 2,313.65	$ 1,067.78	$ 3,381.43	

34 Supply Storage Yard

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
396.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 11,682.00	$ 12,276.00	$ 23,958.00	1. Demolishing 10 inch concrete Supply Storage Yard.
396.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 320.76	$ 1,001.88	$ 1,322.64	2. Hauling the clean concrete pad debris to the quarry for disposal.
547.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 114.87	$ 344.61	$ 459.48	3. Loading the truck trucks with a front end loader.
1,100.0	0222084020	Backfill, structural, 200 H.P., 50' haul, common earth	B10B	2,200	0.005	C.Y.	$ 154.00	$ 418.00	$ 572.00	4. Regrading the pad after debris removeal.
1,689.0	0205541750	Site demo, no hauling, pavement removal, bit, 4" to 6" thick	B38	420	0.095	S.Y.	$ 3,935.37	$ 4,087.38	$ 8,022.75	5. Demolishing asphalt pad areas.
151.0	0222661150	Hauling, LCY, no loading, 20 c.y dump trailer, 1 MI RT, 2.5 I	B34D	325	0.025	C.Y.	$ 81.54	$ 259.72	$ 341.26	6. Cost for truck hauling asphalt debris to rail head pile.
1,038.0	0222781700	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	540	0.022	C.Y.	$ 602.04	$ 2,159.04	$ 2,761.08	7. Ripping the Supply Yard area with a dozer.
		Totals					$ 16,890.58	$ 20,546.63	$ 37,437.21	

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35 Diesel Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
65.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 1,917.50	$ 2,015.00	$ 3,932.50	1. Demolishing concrete containment pit for 2 - 10,000 gal. diesel tanks.
65.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 13.65	$ 40.95	$ 54.60	2. Loading concrete debris into trucks.
65.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 52.65	$ 164.45	$ 217.10	3. Truck hauling clean concrete to quarry for disposal.
2.0	0208800320	Removal of ugnd stor tk, 9000gal to 12,000gal tank	A13	3	2.667	Ea.	$ 146.00	$ 348.00	$ 494.00	4. Cleaning the inside of the 2 - 10,000 gal. diesel tanks.
100.0	0208800390	Removal of ugnd stor tk, dispose of sludge off-site, avg				Gal.	$ -	$ -	$ 388.00	5. Proper disposal of the petroleum and cleaning agents.
2.0	0208801029	Removal of ugnd stor tk, haul to certified salv dump, 9000g				Ea.	$ -	$ -	$ 1,700.00	6. Hauling away and proper diposal of the tanks.
		Totals					$ 2,129.80	$ 2,568.40	$ 6,786.20	

36 Storage Buildings

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
114.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 322.62	$ 133.38	$ 456.00	1. Cutting two Storage Buildings into <15 foot length pieces for scrap metal with a torch.
58.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 12.18	$ 36.54	$ 48.72	2. Loading trucks with scrap metal.
58.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 64.96	$ 131.66	$ 196.62	3. Hauling scrap metal to rail head.
		Totals					$ 399.76	$ 301.58	$ 701.34	

37 - 38 Blend Silos

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
25,758.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 1,803.06	$ 3,090.96	$ 4,894.02	1. 2 - Blend Silos - demolition by explosion.
954.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 200.34	$ 601.02	$ 801.36	2. Front end loader to load trucks with Blend Silos concrete debris.
954.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 772.74	$ 2,413.62	$ 3,186.36	4. Truck hauling cost of concrete debris from Blend Silos to quarry for disposal.
		Totals					$ 2,776.14	$ 6,105.60	$ 8,881.74	

39 Lube & Hyd. Oil Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
142.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 401.86	$ 166.14	$ 568.00	1. Cutting Maintenance Shop into 15 foot length pieces for scrap metal with a torch.
41.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 8.61	$ 25.83	$ 34.44	2. Loading trucks with concrete and scrap metal.
41.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 45.92	$ 93.07	$ 138.99	3. Hauling scrap metal to rail head.
		Totals					$ 456.39	$ 285.04	$ 741.43	

40 Raw Mill

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,714.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 4,850.62	$ 2,005.38	$ 6,856.00	1. Cutting-up the Raw Mill and building into pieces for scrap metal with a torch.
574.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 120.54	$ 361.62	$ 482.16	2. Loading trucks with scrap metal and concrete.
339.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 379.68	$ 769.53	$ 1,149.21	3. Hauling scrap metal to rail head.
235.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 190.35	$ 594.55	$ 784.90	4. Truck hauling concrete debris to quarry for disposal.
235.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 6,932.50	$ 7,285.00	$ 14,217.50	5. Demolition cost for concrete pedistal that the mill is on.
		Totals					$ 12,473.69	$ 11,016.08	$ 23,489.77	

41 Switch Gear #4

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
2,916.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 204.12	$ 349.92	$ 554.04	1. Demolition with explosives of Swith Gear #4.
108.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 22.68	$ 68.04	$ 90.72	2. Loading trucks with clean concrete from building and foundation to deliver to qu
108.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 87.48	$ 273.24	$ 360.72	3. Truck haulage of concrete to quarry for disposal from Switch Gear #4.
2,520.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	$ 5,115.60	$ 3,150.00	$ 8,265.60	4. Gutting and building and disposing of debris.
		Totals					$ 5,429.88	$ 3,841.20	$ 9,271.08	

42 Finish Mill

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
5,580.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 15,791.40	$ 6,528.60	$ 22,320.00	1. Cutting-up the Finish Mill and building into 15' length pieces for scrap metal with a torch.
1,250.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 262.50	$ 787.50	$ 1,050.00	2. Loading trucks with scrap metal and concrete.
1,091.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 1,221.92	$ 2,476.57	$ 3,698.49	3. Hauling scrap metal to rail head.
159.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 4,690.50	$ 4,929.00	$ 9,619.50	4. Demolishing concrete pedistal that mill is on.
159.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 128.79	$ 402.27	$ 531.06	5. Truck hauling concrete to quarry for diposal.
		Totals					$ 22,095.11	$ 15,123.94	$ 37,219.05	

43 Preheat Tower

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
7,877.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 22,291.91	$ 9,216.09	$ 31,508.00	1. Cutting Preheat Tower and piping, ect. into 15 foot length pieces for scrap metal.
2,327.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 488.67	$ 1,466.01	$ 1,954.68	2. Loading trucks with scrap metal.
2,327.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 2,606.24	$ 5,282.29	$ 7,888.53	3. Hauling scrap metal to rail head.
		Totals					$ 25,386.82	$ 15,964.39	$ 41,351.21	

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44 Alkali Bag House

Qty	CSI Number	Description	Crew	Daily Output	Labor Hour	Unit	Bare Labor	Bare Equip.	Total	Note
1,087.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 3,076.21	$ 1,271.79	$ 4,348.00	1. Cutting-up the Alkali Bag House into 15 foot length pieces for scrap metal with a torch.
129.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 27.09	$ 81.27	$ 108.36	2. Loading trucks with scrap metal.
129.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 144.48	$ 292.83	$ 437.31	3. Hauling scrap metal to rail head.
		Totals					$ 3,247.78	$ 1,645.89	$ 4,893.67	

45 Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
648.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 45.36	$ 77.76	$ 123.12	1. Demolition by explosion of Storage (45) building.
30.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 6.30	$ 18.90	$ 25.20	2. Loading cost of Storage Building and foundation debris with a front end loader.
30.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 24.30	$ 75.90	$ 100.20	3. Hauling concrete debris to the quarry for disposal.
6.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 177.00	$ 186.00	$ 363.00	4. Demolition cost of Storage Building foundation.
		Totals					$ 252.96	$ 358.56	$ 611.52	

46 Pipeline

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
3.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 8.49	$ 3.51	$ 12.00	1. Cutting the Pipeline with a torch.
1.2	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 35.40	$ 37.20	$ 72.60	2. Demolishing concrete slab.
2.2	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 0.46	$ 1.39	$ 1.85	3. Loading trucks with concrete and scrap metal.
1.2	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 0.97	$ 3.04	$ 4.01	4. Hauling clean concrete foundation to quarry for disposal.
1.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 1.12	$ 2.27	$ 3.39	5. Hauling scrap metal to rail head.
		Totals					$ 46.44	$ 47.40	$ 93.85	

47 Stack

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
301.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 851.83	$ 352.17	$ 1,204.00	1. Cutting-up the Stack (47) into 15 foot length pieces for scrap metal with a torch.
7.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 1.47	$ 4.41	$ 5.88	2. Loading trucks with scrap metal.
7.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 7.84	$ 15.89	$ 23.73	3. Hauling scrap metal to rail head.
		Totals					$ 861.14	$ 372.47	$ 1,233.61	

48 Coal Silo

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
11,583.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 810.81	$ 1,389.96	$ 2,200.77	1. Coal Silo demolition by explosion.
35.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 1,032.50	$ 1,085.00	$ 2,117.50	2. Demolition of concrete pit below Coal Silo.
464.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 97.44	$ 292.32	$ 389.76	3. Loading trucks with conc. debris for quarry disposal & dumping 124 c.y. into pit below sil
464.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 375.84	$ 1,173.92	$ 1,549.76	4. Truck haulage to quarry for disposal of concrete debris.
		Totals					$ 2,316.59	$ 3,941.20	$ 6,257.79	

49 Kiln Scanner Building

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
24.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 67.92	$ 28.08	$ 96.00	1. Cutting-up the Kiln Scanner building into pieces for scrap metal with a torch.
9.5	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 2.00	$ 5.99	$ 7.98	2. Loading trucks with scrap metal.
9.5	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 10.64	$ 21.57	$ 32.21	3. Hauling scrap metal to rail head.
		Totals					$ 80.56	$ 55.63	$ 136.19	

50 Coal Truck Dump

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
250.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 7,375.00	$ 7,750.00	$ 15,125.00	1. Demolition of Coal Truck Dump pits. Concrete left in pit to partially fill it. Additional fill material will be obtained from the Control Room and Lab demolition to fill the hole.
		Totals					$ 7,375.00	$ 7,750.00	$ 15,125.00	

51 Control Room & Lab

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,111.0	0205542000	Site dml, conc to 6" thick, rod reinforced	B38	200	0.2	S.Y.	$ 5,443.90	$ 5,610.55	$ 11,054.45	1. Demolition of foundation for Control Room & Lab.
10,000.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	$ 20,300.00	$ 12,500.00	$ 32,800.00	2. Gutting out the interior of the building and disposing of all materials.
531.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 111.51	$ 334.53	$ 446.04	3. Loading Control Room & Lab concrete debris into rucks for quarry disposal.
531.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 430.11	$ 1,343.43	$ 1,773.54	4. Truck hauling of clean concrete to quarry for disposal.
9,342.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 653.94	$ 1,121.04	$ 1,774.98	5. Demolition by explosives of Control Room & Lab building.
		Totals					$ 26,939.46	$ 20,909.55	$ 47,849.01	

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52 Switch Gear #7

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,863.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 130.41	$ 223.56	$ 353.97	1. Swith Gear #7 demolition by explosion.
67.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 1,976.50	$ 2,077.00	$ 4,053.50	2. Concrete pad demolition for Swith Gear #7.
136.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 28.56	$ 85.68	$ 114.24	3. Loading trucks with concrete debris.
136.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 110.16	$ 344.08	$ 454.24	4. Truck haulage cost for delivery of concrete debris to quarry for disposal.
1,200.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	$ 2,436.00	$ 1,500.00	$ 3,936.00	5. Gutting building and diposing of the contents.
		Totals					$ 4,681.63	$ 4,230.32	$ 8,911.95	

53 Burner Floor

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,863.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 130.41	$ 223.56	$ 353.97	1. Burner Floor demolition by explosion.
67.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 1,976.50	$ 2,077.00	$ 4,053.50	2. Concrete pad demolition
136.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 28.56	$ 85.68	$ 114.24	3. Loading trucks with concrete debris.
136.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 110.16	$ 344.08	$ 454.24	4. Truck haulage cost for delivery of concrete debris to quarry for disposal.
		Totals					$ 2,245.63	$ 2,730.32	$ 4,975.95	

54 Heat Exchanger

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,292.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 3,656.36	$ 1,511.64	$ 5,168.00	1. Cutting-up the Heat Exchanger (54) into 15 foot length pieces for scrap metal.
231.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 48.51	$ 145.53	$ 194.04	2. Loading trucks with scrap metal.
231.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 258.72	$ 524.37	$ 783.09	3. Hauling scrap metal to rail head.
		Totals					$ 3,963.59	$ 2,181.54	$ 6,145.13	

55 Bag House

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,423.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 4,027.09	$ 1,664.91	$ 5,692.00	1. Cutting-up the Bag House (55) into 15 foot length pieces for scrap metal with a torch.
179.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 37.59	$ 112.77	$ 150.36	2. Loading trucks with scrap metal.
179.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 200.48	$ 406.33	$ 606.81	3. Hauling scrap metal to rail head.
		Totals					$ 4,265.16	$ 2,184.01	$ 6,449.17	

56 Power Wash Room

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 11.32	$ 4.68	$ 16.00	1. Cutting-up the Power Wash Room building into pieces for scrap metal with a torch.
7.5	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 221.25	$ 232.50	$ 453.75	2. Demolishing concrete foundation.
12.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 2.52	$ 7.56	$ 10.08	3. Loading trucks with concrete and scrap metal.
7.5	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 6.08	$ 18.98	$ 25.05	4. Hauling clean concrete foundation to quarry for disposal.
4.5	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 5.04	$ 10.22	$ 15.26	5. Hauling scrap metal to rail head.
		Totals					$ 246.21	$ 273.93	$ 520.14	

57 Water Treatment (Glyco Cooler)

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
265.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 749.95	$ 310.05	$ 1,060.00	1. Cutting-up the Water Treatment (GLYCOL Cooler) building into pieces for scrap
16.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 472.00	$ 496.00	$ 968.00	2. Demolishing concrete foundation.
57.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 11.97	$ 35.91	$ 47.88	3. Loading trucks with concrete and scrap metal.
16.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 12.96	$ 40.48	$ 53.44	4. Hauling clean concrete foundation to quarry for disposal.
41.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 45.92	$ 93.07	$ 138.99	5. Hauling scrap metal to rail head.
		Totals					$ 1,292.80	$ 975.51	$ 2,268.31	

58 Gypsum Silo

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
3,996.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 279.72	$ 479.52	$ 759.24	1. Gypsum Silo demolition by explosion.
148.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 31.08	$ 93.24	$ 124.32	2. Front end loader cost to load trucks.
148.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 119.88	$ 374.44	$ 494.32	3. Truck haulage cost to quarry for disposal of concrete debris.
		Totals					$ 430.68	$ 947.20	$ 1,377.88	

59 - 60 Clinker Silos

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,455.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 4,117.65	$ 1,702.35	$ 5,820.00	1. Cutting-up Clinker Silos (59 & 60) roof caps with a torch.
76.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 85.12	$ 172.52	$ 257.64	2. Hauling scrap metal to scrap pile at rail head.
2,160.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 453.60	$ 1,360.80	$ 1,814.40	3. Load the concrete silos debris on trucks.
2,084.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 1,688.04	$ 5,272.52	$ 6,960.56	4. Truck haul the clean concrete slab debris to the quarry for disposal
56,268.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 3,938.76	$ 6,752.16	$ 10,690.92	5. Demolition by explosive of 2 Clinker Silos.
		Totals					$ 10,283.17	$ 15,260.35	$ 25,543.52	

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61 Truck Scale

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
72.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 203.76	$ 84.24	$ 288.00	1. Cutting the Truck Scale into pieces with a torch.
134.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 3,953.00	$ 4,154.00	$ 8,107.00	2. Demolishing the Truck Scale Pit concrete leave debris in the hole.
4.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 0.84	$ 2.52	$ 3.36	3. Loading trucks with scrap metal.
4.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 4.48	$ 9.08	$ 13.56	4. Hauling scrap metal to rail head.
		Totals					$ 4,162.08	$ 4,249.84	$ 8,411.92	

62 Scale House

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
2.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 5.66	$ 2.34	$ 8.00	1. Cutting the Scale House loose from the foundation with a torch.
0.5	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 14.75	$ 15.50	$ 30.25	2. Demolishing the Scale House conc. pad and put debris truck scale pit hole.
1.1	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 0.23	$ 0.69	$ 0.92	3. Loading trucks with scrap metal.
0.6	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 0.67	$ 1.36	$ 2.03	4. Hauling scrap metal to rail head.
		Totals					$ 21.31	$ 19.90	$ 41.21	

63 Clinker Storage

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
3,227.0	0222781700	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	540	0.022	C.Y.	$ 1,871.66	$ 6,712.16	$ 8,583.82	1. Ripping Clinker Storage Yard with a dozer.
		Totals					$ 1,871.66	$ 6,712.16	$ 8,583.82	

64 Water Supply Well

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 11.32	$ 4.68	$ 16.00	1. Cutting-up the Water Supply Well building into pieces for scrap metal with a torch.
7.5	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 221.25	$ 232.50	$ 453.75	2. Demolishing concrete foundation.
12.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 2.52	$ 7.56	$ 10.08	3. Loading trucks with concrete and scrap metal.
7.5	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 6.08	$ 18.98	$ 25.05	4. Hauling clean concrete foundation to quarry for disposal.
4.5	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 5.04	$ 10.22	$ 15.26	5. Hauling scrap metal to rail head.
		Totals					$ 246.21	$ 273.93	$ 520.14	

65 First Aid Room

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,917.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 134.19	$ 230.04	$ 364.23	1. Demolition with explosives of First Aid Room.
71.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 14.91	$ 44.73	$ 59.64	2. Loading trucks with clean concrete from building to deliver to quarry.
71.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 57.51	$ 179.63	$ 237.14	3. Truck haulage to quarry of concrete from First Aid Room.
1,470.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	$ 2,984.10	$ 1,837.50	$ 4,821.60	4. Gutting building and disposing of contents.
		Totals					$ 3,190.71	$ 2,291.90	$ 5,482.61	

66 Instrument Shop

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
810.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 56.70	$ 97.20	$ 153.90	1. Demolition with explosives of Instrument Shop.
30.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 6.30	$ 18.90	$ 25.20	2. Loading trucks with clean concrete from building to deliver to quarry.
30.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 24.30	$ 75.90	$ 100.20	3. Truck haulage to quarry of concrete from Instrument Shop.
		Totals					$ 87.30	$ 192.00	$ 279.30	

67 Stack

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
694.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 1,964.02	$ 811.98	$ 2,776.00	1. Cutting-up the Stack (67) into 15 foot length pieces for scrap metal with a torch.
15.2	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 3.19	$ 9.58	$ 12.77	2. Loading trucks with scrap metal.
15.2	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 17.02	$ 34.50	$ 51.53	3. Hauling scrap metal to rail head.
		Totals					$ 1,984.24	$ 856.06	$ 2,840.30	

68 Stack

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
301.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 851.83	$ 352.17	$ 1,204.00	1. Cutting-up the Stack (68) into 15 foot length pieces for scrap metal with a torch.
7.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 1.47	$ 4.41	$ 5.88	2. Loading trucks with scrap metal.
7.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 7.84	$ 15.89	$ 23.73	3. Hauling scrap metal to rail head.
		Totals					$ 861.14	$ 372.47	$ 1,233.61	

69 Kiln

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
991.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 2,804.53	$ 1,159.47	$ 3,964.00	1. Cutting-up the Kiln into pieces for scrap metal with a torch.
92.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 19.32	$ 57.96	$ 77.28	2. Loading trucks with concrete and scrap metal.
92.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 103.04	$ 208.84	$ 311.88	3. Hauling scrap metal to rail spur pile.
		Totals					$ 2,926.89	$ 1,426.27	$ 4,353.16	

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Surety Estimate Using CostWorks 1999 - Ash Grove Cement Co. - Leamington Plant & Quarry

70 Off-Spec Clinker Silo

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
613.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 1,734.79	$ 717.21	$ 2,452.00	1. Cutting-up the Silo into 15 foot length pieces for scrap metal.
358.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 75.18	$ 225.54	$ 300.72	2. Loading trucks with concrete and scrap metal.
342.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 277.02	$ 865.26	$ 1,142.28	3. Hauling clean concrete foundation to quarry for disposal.
16.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 17.92	$ 36.32	$ 54.24	4. Hauling scrap metal to rail head.
		Totals					$ 2,104.91	$ 1,844.33	$ 3,949.24	

71 Clinker Elevator

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
334.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 945.22	$ 390.78	$ 1,336.00	1. Cutting-up the Clinker Elevator into 15 foot length pieces for scrap metal with a torch.
47.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 9.87	$ 29.61	$ 39.48	2. Loading trucks with scrap metal.
47.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 52.64	$ 106.69	$ 159.33	3. Hauling scrap metal to rail head.
		Totals					$ 1,007.73	$ 527.08	$ 1,534.81	

72 Glycol Dist. Building

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,080.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 75.60	$ 129.60	$ 205.20	1. Demolition by explosion of Glycol Dist. Building.
71.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 14.91	$ 44.73	$ 59.64	2. Loading cost of Glycol Dist. Building and foundation debris with a front end load
56.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 45.36	$ 141.68	$ 187.04	3. Hauling concrete debris to the quarry for disposal.
16.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 472.00	$ 496.00	$ 968.00	4. Demolishing concrete foundation.
150.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 424.50	$ 175.50	$ 600.00	5. Torch cutting steel piping in Glycol distribution building.
15.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 16.80	$ 34.05	$ 50.85	6. Hauling scrap metal and pumps to rail spur.
2.0	0222660560	Hauling, LCY, no loading, 12 c.y dump truck, 20 MI RT, 0.4	B34B	39	0.205	C.Y.	$ 9.12	$ 22.60	$ 31.72	8. Cost of hauling fiberglass debris. Add $36.50 for circular saw rental & $160 labor.
		Totals					$ 1,058.29	$ 1,044.16	$ 2,102.45	

73 Tunnel Clinker Silos

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
336.4	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 9,923.80	$ 10,428.40	$ 20,352.20	1. Demolishing concrete Tunnel to Clinker Silos and leaving concrete debris in the hole.
1,113.0	0222084000	Backfill, structural, 200 H.P., 50' haul, sand & gravel	B10B	2,500	0.005	C.Y.	$ 144.69	$ 378.42	$ 523.11	2. Pushing earth over the remaining hole after Tunnel demolition with a dozer.
		Totals					$ 10,068.49	$ 10,806.82	$ 20,875.31	

74 Clinker Conveyor

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
883.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 2,498.89	$ 1,033.11	$ 3,532.00	1. Cutting the conveyor into peices for scrap metal.
42.7	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 8.97	$ 26.90	$ 35.87	2. Loading trucks with scrap metal.
42.7	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 47.82	$ 96.93	$ 144.75	3. Hauling scrap metal to rail head.
		Totals					$ 2,555.68	$ 1,156.94	$ 3,712.62	

75 Bridge Over Canal

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,350.0	0207141640	Framing demo, conc, avg reinforcing, slabs, elevated, 8" thi	B9	450	0.089	S.F.	$ 2,632.50	$ 540.00	$ 3,172.50	1. Canal bridge deck, 8 inch reinforced concrete.
60.0	0207141320	Framing demo, concrete, average reinforcing, columns, 14"	B9	100	0.4	L.F.	$ 528.00	$ 107.40	$ 635.40	2. 4 - 14" x 14" support columns for bridge.
60.0	0207141400	Framing demo, concrete, average reinforcing, girders, 14" x	B9	55	0.727	L.F.	$ 957.00	$ 195.60	$ 1,152.60	3. 2 - 14" x 16" girders.
36.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 I	B34D	221	0.036	C.Y.	$ 29.16	$ 91.08	$ 120.24	4. Truck hauling concrete portion of bridge to quarry for disposal.
36.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 7.56	$ 22.68	$ 30.24	5. Loading cost of canal bridge concrete into trucks.
6.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 1.26	$ 3.78	$ 5.04	5. Loading and placing steel reinforcing in scrap pile at rail head.
		Totals					$ 4,155.48	$ 960.54	$ 5,116.02	

76 Process Duct

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
2,267.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 6,415.61	$ 2,652.39	$ 9,068.00	1. Cutting the Process Duct into pieces for scrap metal with a torch.
252.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 52.92	$ 158.76	$ 211.68	2. Loading trucks with scrap metal.
252.0	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 282.24	$ 572.04	$ 854.28	3. Hauling scrap metal to rail head.
		Totals					$ 6,750.77	$ 3,383.19	$ 10,133.96	

77 Cement Dist. Point To Silos

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
883.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 2,498.89	$ 1,033.11	$ 3,532.00	1. Cutting the Cement Distribution Point to Silos into pieces for scrap metal.
42.7	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 8.97	$ 26.90	$ 35.87	2. Loading trucks with scrap metal.
42.7	0222660030	Hauling, LCY, no loading, 6 c.y dump truck, 1/2 MI RT, 4.1 I	B34A	160	0.05	C.Y.	$ 47.82	$ 96.93	$ 144.75	3. Hauling scrap metal to rail head.
		Totals					$ 2,555.68	$ 1,156.94	$ 3,712.62	

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100 Switch Gear #2

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,016.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 71.12	$ 121.92	$ 193.04	1. Swith Gear #2 demolition by explosion.
13.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 383.50	$ 403.00	$ 786.50	2. Concrete pad demolition for Swith Gear #2.
51.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 10.71	$ 32.13	$ 42.84	3. Loading trucks with concrete debris.
51.0	0222662130	Hauling, off hwy haulers, 60 CY rear/bot dump, 1000' RT, 3	B34J	1,400	0.006	C.Y.	$ 6.63	$ 81.09	$ 87.72	4. Hauling concrete debris to quarry for disposal.
432.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	$ 876.96	$ 540.00	$ 1,416.96	5. Gutting the building interior and disposing of contents.
		Totals					$ 1,348.92	$ 1,178.14	$ 2,527.06	

101 Crusher

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
209.0	0512400200	Steel cutting, torch cutting, 1" thick	E14	45	0.178	L.F.	$ 919.60	$ 380.38	$ 1,299.98	1. Torch cutting to reduce metal portions to loadable size.
42,012.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 2,940.84	$ 5,041.44	$ 7,982.28	2. Demolition with explosives of concrete portions of the crusher.
1,568.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 329.28	$ 987.84	$ 1,317.12	3. Loading concrete debris and steel scrap into trucks.
1.0	0164602300	150 ton cap., truck mounted crane				Ea.	$ 160.00	$ 1,574.00	$ 1,734.00	4. Loading heavy large crusher pieces into trucks.
12.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 l	B34D	221	0.036	C.Y.	$ 9.72	$ 30.36	$ 40.08	5. Truck hauling scrap metal to rail spur.
1,556.0	0222662130	Hauling, off hwy haulers, 60 CY rear/bot dump, 1000' RT, 3	B34J	1,400	0.006	C.Y.	$ 202.28	$ 2,474.04	$ 2,676.32	6. Truck hauling concrete debris to quarry for disposal.
		Totals					$ 4,561.72	$ 10,488.06	$ 15,049.78	

102 Lunch Room

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
918.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 64.26	$ 110.16	$ 174.42	1. Lunch Room (101) demolition by explosion.
14.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 413.00	$ 434.00	$ 847.00	2. Concrete slab demolition for Lunch Room.
48.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 10.08	$ 30.24	$ 40.32	3. Loading trucks with concrete debris.
48.0	0222662130	Hauling, off hwy haulers, 60 CY rear/bot dump, 1000' RT, 3	B34J	1,400	0.006	C.Y.	$ 6.24	$ 76.32	$ 82.56	4. Hauling concrete debris to the quarry for disposal.
441.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	$ 895.23	$ 551.25	$ 1,446.48	5. Gutting building and disposing of contents.
		Totals					$ 1,388.81	$ 1,201.97	$ 2,590.78	

103 Pump House

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
2.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 5.66	$ 2.34	$ 8.00	1. Cutting loose the metal Pump House (103) from the concrete slab with a torch.
3.6	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 0.76	$ 2.27	$ 3.02	2. Loading trucks with concrete and scrap metal.
1.6	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 47.20	$ 49.60	$ 96.80	3. Cost of demolitioning concrete slab.
2.0	0222660150	Hauling, LCY, no loading, 6 c.y dump truck, 3 MI RT, 2.1 ld	B34A	80	0.1	C.Y.	$ 4.46	$ 9.06	$ 13.52	4. Haulage cost of scrap metal to rail head.
1.6	0222662130	Hauling, off hwy haulers, 60 CY rear/bot dump, 1000' RT, 3	B34J	1,400	0.006	C.Y.	$ 0.21	$ 2.54	$ 2.75	5. Truck haulage cost of concrete debris to quarry for disposal.
		Totals					$ 58.28	$ 65.81	$ 124.10	

104 Water Tank

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 118.00	$ 124.00	$ 242.00	1. Demolishing concrete pad.
6.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 1.26	$ 3.78	$ 5.04	2. Loading concrete debris and scrap metal into trucks.
4.0	0222662130	Hauling, off hwy haulers, 60 CY rear/bot dump, 1000' RT, 3	B34J	1,400	0.006	C.Y.	$ 0.52	$ 6.36	$ 6.88	3. Hauling concrete slab debris to quarry for disposal.
79.0	0207300010	Torch cutting steel, 1" thick plate	1 Clab	32	0.25	L.F.	$ 422.65	$ -	$ 422.65	4. Cutting up Water Tank with a torch.
2.0	0222660150	Hauling, LCY, no loading, 6 c.y dump truck, 3 MI RT, 2.1 ld	B34A	80	0.1	C.Y.	$ 4.46	$ 9.06	$ 13.52	5. Hauling scrap metal to rail head pile.
		Totals					$ 546.89	$ 143.20	$ 690.09	

105 Diesel Fuel Tank

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 118.00	$ 124.00	$ 242.00	1. Demolishing concrete slab.
4.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 0.84	$ 2.52	$ 3.36	2. Loading concrete debris into trucks.
1.0	0208800320	Removal of ugnd stor tk, 9000gal to 12,000gal tank	A13	3	2.667	Ea.	$ 73.00	$ 174.00	$ 247.00	3. Cleaning the inside of the diesel tanks.
1.0	0208801029	Removal of ugnd stor tk, haul to certified salv dump, 9000g				Ea.	$ -	$ -	$ 850.00	5. Hauling away and proper diposal of the tanks.
4.0	0222662130	Hauling, off hwy haulers, 60 CY rear/bot dump, 1000' RT, 3	B34J	1,400	0.006	C.Y.	$ 0.52	$ 6.36	$ 6.88	6. Truck hauling concrete pad debris to quarry for disposal.
		Totals					$ 192.36	$ 306.88	$ 1,349.24	

106 C-111 Cover

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
257.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 727.31	$ 300.69	$ 1,028.00	1. Cutting-up the C-111 Cover (107) into pieces for scrap metal with a torch.
12.3	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 362.85	$ 381.30	$ 744.15	2. Demolishing concrete foundation.
27.3	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 5.73	$ 17.20	$ 22.93	3. Loading trucks with concrete and scrap metal.
15.0	0222660100	Hauling, LCY, no loading, 6 c.y dump truck, 2 MI RT, 2.6 ld	B34A	100	0.08	C.Y.	$ 26.70	$ 54.30	$ 81.00	4. Hauling scrap metal to rail head.
12.3	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 l	B34D	221	0.036	C.Y.	$ 9.96	$ 31.12	$ 41.08	5. Hauling concrete to quarry for disposal.
		Totals					$ 1,132.56	$ 784.61	$ 1,917.16	

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107 Switch Gear #3

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
893.0	0206160100	Explosive/implosive dml, no disposal, conc bldg	B5B	16,900		C.F.	$ 62.51	$ 107.16	$ 169.67	1. Swith Gear #3 demolition by explosion.
10.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 295.00	$ 310.00	$ 605.00	2. Concrete pad demolition for Swith Gear #3.
43.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 9.03	$ 27.09	$ 36.12	3. Loading trucks with concrete debris.
43.0	0222661220	Hauling, LCY, no loading, 20 c.y dump trailer, 3 MI RT, 1.7 l	B34D	221	0.036	C.Y.	$ 34.83	$ 108.79	$ 143.62	4. Hauling concrete debris to quarry for disposal.
400.0	0207161000	Gutting, building interior, including disposal, commercial bl	B16	350	0.091	SF Flr.	$ 812.00	$ 500.00	$ 1,312.00	5. Gutting building and diposing of contents.
		Totals					$ 1,213.37	$ 1,053.04	$ 2,266.41	

108 B-8 Overland Belt

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
2,082.0	0512400200	Steel cutting, torch cutting, 1" thick	E14	45	0.178	L.F.	$ 9,160.80	$ 3,789.24	$ 12,950.04	1. Cutting up Overland Conveyor (108) into scrap metal with a torch.
427.0	0222381601	Excavating, bulk bank measure, FE loader, whl mtd, 3 CY c	B10T	1,125	0.011	C.Y.	$ 119.56	$ 170.80	$ 290.36	2. Loading scrap steel from conveyor into trucks.
28.7	0206120100	Dump charges, typical urban city, fees only, bldg constr ma				Ton	$ -	$ -	$ 1,533.85	3. Dump disposal in Delta of cut up conveyor belt.
1.0	0164206100	Circular saw rental and labor						$ 73.00	$ 320.00	4. Cutting up the converyor belt with a circular saw for hauling to dump.
50.0	0222661130	Hauling, LCY, no loading, 16.5 c.y dump trailer, 20 mi RT, .	B34C	54	0.148	C.Y.	$ 164.50	$ 515.00	$ 679.50	5. Hauling cut-up conveyor belt to Delta, UT dump.
66.0	0222664700	Highway hauling beyond 20 miles, per loaded mile, minimu				Mile	$ -	$ -	$ 64.02	6. Additional miles of travel beyond 20 miles per round trip at $0.95/mile or $63 to'
377.0	0222660150	Hauling, LCY, no loading, 6 c.y dump truck, 3 MI RT, 2.1 ld	B34A	80	0.1	C.Y.	$ 840.71	$ 1,707.81	$ 2,548.52	7. Hauling scrap metal from cut-up conveyor to rail spur pile.
		Totals					$ 10,285.57	$ 6,255.85	$ 18,386.29	

109 Hopper

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
123.0	0512400100	Steel cutting, hand burning, including prep, steel to 1/2" thi	E14	70	0.114	L.F.	$ 348.09	$ 143.91	$ 492.00	1. Cutting-up the Storage building into 15 foot length pieces for scrap metal with a torch.
2.9	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 0.61	$ 1.83	$ 2.44	2. Loading trucks with scrap metal.
2.9	0222660100	Hauling, LCY, no loading, 6 c.y dump truck, 2 MI RT, 2.6 ld	B34A	100	0.08	C.Y.	$ 5.16	$ 10.50	$ 15.66	3. Hauling scrap metal to rail head for disposal.
		Totals					$ 353.86	$ 156.24	$ 510.10	

110 Transfer Tower

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
995.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 208.95	$ 626.85	$ 835.80	1. Loading trucks with scrap metal from Transfer Tower (110).
995.0	0222660100	Hauling, LCY, no loading, 6 c.y dump truck, 2 MI RT, 2.6 ld	B34A	100	0.08	C.Y.	$ 1,771.10	$ 3,601.90	$ 5,373.00	2. Hauling scrap metal to rail spur.
240.0	0512400200	Steel cutting, torch cutting, 1" thick	E14	45	0.178	L.F.	$ 1,056.00	$ 436.80	$ 1,492.80	3. Torch cutting of Transfer Tower into 15' length pieces.
		Totals					$ 3,036.05	$ 4,665.55	$ 7,701.60	

111 Stacker/Reclaimer

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
3,202.0	0512400200	Steel cutting, torch cutting, 1" thick	E14	45	0.178	L.F.	$ 14,088.80	$ 5,827.64	$ 19,916.44	1. Cutting up Stacker/Reclaimer and conveyors.
1,588.0	0222381601	Excavating, bulk bank measure, FE loader, whl mtd, 3 CY c	B10T	1,125	0.011	C.Y.	$ 444.64	$ 635.20	$ 1,079.84	2. Loading scrap steel and conveyor belts into trucks.
40.0	0206120100	Dump charges, typical urban city, fees only, bldg constr ma				Ton	$ -	$ -	$ 2,140.00	3. Dump disposal in Delta of cut up conveyor belt.
1.0	0164206100	Circular saw rental and labor				Ea.	$ 160.00	$ 73.00	$ 233.00	4. Cutting conveyor belts up into 15 ft. lengths for disposal.
88.0	0222661130	Hauling, LCY, no loading, 16.5 c.y dump trailer, 20 mi RT, .	B34C	54	0.148	C.Y.	$ 289.52	$ 906.40	$ 1,195.92	5. Hauling cut-up conveyor belt to Delta, UT dump.
132.0	0222664700	Highway hauling beyond 20 miles, per loaded mile, minimu				Mile	$ -	$ -	$ 128.04	6. Additional miles of travel beyond 20 miles per round trip at $0.95/mile or $125 total.
1,500.0	0222660150	Hauling, LCY, no loading, 6 c.y dump truck, 3 MI RT, 2.1 ld	B34A	80	0.1	C.Y.	$ 3,345.00	$ 6,795.00	$ 10,140.00	7. Hauling scrap metal from cut-up conveyor to rail spur pile.
11,051.0	0222782100	Ripping, trap rock, very hard, 460 HP dozer, adverse conditi	B10X	270	0.044	C.Y.	$ 12,929.67	$ 55,807.55	$ 68,737.22	8. Ripping Stacker/Reclaimer pad area with dozer.
		Totals					$ 31,257.63	$ 70,044.79	$ 103,570.46	

112 Cap Magazine

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
2.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 0.42	$ 1.26	$ 1.68	1. Loading truck with Cap Magazine (112) for scrap metal.
2.0	0222660150	Hauling, LCY, no loading, 6 c.y dump truck, 3 MI RT, 2.1 ld	B34A	80	0.1	C.Y.	$ 4.46	$ 9.06	$ 13.52	2. Haulage cost of scrap metal to rail head.
		Totals					$ 4.88	$ 10.32	$ 15.20	

113 Anfo Trailer Storage

- Assume that the Anfo supplier wants his trailer back and will come and retrieve it.

114 Detonator Magazine

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 0.84	$ 2.52	$ 3.36	1. Loading truck with Detonator Magazine (112) for scrap metal.
4.0	0222660150	Hauling, LCY, no loading, 6 c.y dump truck, 3 MI RT, 2.1 ld	B34A	80	0.1	C.Y.	$ 8.92	$ 18.12	$ 27.04	2. Haulage cost of scrap metal to rail head.
26.0	0207300010	Torch cutting steel, 1" thick plate	1 Clab	32	0.25	L.F.	$ 139.10	$ -	$ 139.10	3. Torch cutting of Detonator Magazine in half for scrap metal.
		Totals					$ 148.86	$ 20.64	$ 169.50	

115 Anfo Bin

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 0.84	$ 2.52	$ 3.36	1. Loading truck with Anfo Bin (115) debris for scrap metal.
4.0	0222660150	Hauling, LCY, no loading, 6 c.y dump truck, 3 MI RT, 2.1 ld	B34A	80	0.1	C.Y.	$ 8.92	$ 18.12	$ 27.04	2. Haulage cost of scrap metal to rail head.
51.0	0207300010	Torch cutting steel, 1" thick plate	1 Clab	32	0.25	L.F.	$ 272.85	$ -	$ 272.85	3. Torch cutting the legs and cross braces off of the Anfo Bin (115) for scrap metal.
		Totals					$ 282.61	$ 20.64	$ 303.25	

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Demolition of Concrete & Asphalt Roadways and Flatwork in Process Area

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
14,126.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 416,717.00	$ 437,906.00	$ 854,623.00	1. Demolishing average 10 inch thick concrete roadways in plant facilities area.
15,767.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 3,311.07	$ 9,933.21	$ 13,244.28	2. Loading demolished concrete and asphalt on trucks with a front end loader.
14,767.0	0205541750	Site demo, no hauling, pavement removal, bit, 4" to 6" thick	B38	420	0.095	S.Y.	$ 34,407.11	$ 35,736.14	$ 70,143.25	3. Demolishing asphalt pads and roads in process facilities area.
1,689.0	0222661150	Hauling, LCY, no loading, 20 c.y dump trailer, 1 MI RT, 2.5 I	B34D	325	0.025	C.Y.	$ 912.06	$ 2,905.08	$ 3,817.14	4. Cost for truck hauling concrete and asphalt debris to rail head pile.
27,845.0	0222782500	Ripping, shale, medium hard, 300 HP dozer, adverse condi	B10M	650	0.018	C.Y.	$ 13,365.60	$ 48,171.85	$ 61,537.45	5. Dozer ripping of 17.48 acres of process facilities area and roads for final regrading.
		Totals					$ 468,712.84	$ 534,652.28	$ 1,003,365.12	

North Road Access

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,458.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 43,011.00	$ 45,198.00	$ 88,209.00	1. Demolishing average 10 inch thick concrete roadways in plant facilities area.
1,638.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 343.98	$ 1,031.94	$ 1,375.92	2. Loading demolished concrete and asphalt on trucks with a front end loader.
180.0	0205541750	Site demo, no hauling, pavement removal, bit, 4" to 6" thick	B38	420	0.095	S.Y.	$ 419.40	$ 435.60	$ 855.00	3. Demolishing asphalt pads and roads in process facilities area.
1,638.0	0222661150	Hauling, LCY, no loading, 20 c.y dump trailer, 1 MI RT, 2.5 I	B34D	325	0.025	C.Y.	$ 884.52	$ 2,817.36	$ 3,701.88	4. Cost for truck hauling asphalt debris to rail head pile.
4,222.0	0222782500	Ripping, shale, medium hard, 300 HP dozer, adverse condi	B10M	650	0.018	C.Y.	$ 2,026.56	$ 7,304.06	$ 9,330.62	5. Dozer ripping roads for final regrading.
		Totals					$ 46,685.46	$ 56,786.96	$ 103,472.42	

South Access Road

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
4,444.0	0205542100	Site dml, conc, 7" to 24" thick, plain	B38	33	1.212	C.Y.	$ 131,098.00	$ 137,764.00	$ 268,862.00	1. Demolishing average 10 inch thick concrete south access road.
4,444.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 933.24	$ 2,799.72	$ 3,732.96	2. Loading demolished concrete and asphalt on trucks with a front end loader.
4,444.0	0222661150	Hauling, LCY, no loading, 20 c.y dump trailer, 1 MI RT, 2.5 I	B34D	325	0.025	C.Y.	$ 2,399.76	$ 7,643.68	$ 10,043.44	3. Cost for truck hauling concrete debris to rail head pile.
10,667.0	0222782500	Ripping, shale, medium hard, 300 HP dozer, adverse condi	B10M	650	0.018	C.Y.	$ 5,120.16	$ 18,453.91	$ 23,574.07	4. Dozer ripping roads for final regrading.
		Totals					$ 139,551.16	$ 166,661.31	$ 306,212.47	

Reclamation Channels

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
8,000.0	0222381650	Excavating, bulk bank measure, FE loader, whl mtd, 5 CY c	B10U	1,475	0.008	C.Y.	$ 1,680.00	$ 5,040.00	$ 6,720.00	1. Excavating channels with a front end loader.
14,223.0		Erosion Control Mat				S.Y.		$ 95,009.64	$ 95,009.64	2. Material cost obtained from distributer on Erosion control mat
14,223.0	0270540110	Install Erosion Control Mat	2 Clab	1,600	0.01	S.Y.	$ 2,986.83		$ 2,986.83	3. Install Erosion Contorl Mat
8,000.0	0222782500	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	650	0.018	C.Y.	$ 3,840.00	$ 13,840.00	$ 17,680.00	4. Dozer Excavating reclamation drainages, ripping embankments.
		Totals					$ 8,506.83	$ 113,889.64	$ 122,396.47	

Pond #2

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
3,184.0	0222782500	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	650	0.018	C.Y.	$ 1,528.32	$ 5,508.32	$ 7,036.64	1. Dozer removing diversion structures, ripping embankments.
		Totals					$ 1,528.32	$ 5,508.32	$ 7,036.64	

Pond #3

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,328.0	0222782500	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	650	0.018	C.Y.	$ 637.44	$ 2,297.44	$ 2,934.88	1. Dozer removing diversion structures, ripping embankments.
		Totals					$ 637.44	$ 2,297.44	$ 2,934.88	

Pond #4

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
784.0	0222782500	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	650	0.018	C.Y.	$ 376.32	$ 1,356.32	$ 1,732.64	1. Dozer removing diversion structures, ripping embankments.
		Totals					$ 376.32	$ 1,356.32	$ 1,732.64	

Pond #5

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
204.0	0222782500	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	650	0.018	C.Y.	$ 97.92	$ 352.92	$ 450.84	1. Dozer removing diversion structures, ripping embankments.
		Totals					$ 97.92	$ 352.92	$ 450.84	

Pond #6

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
3,296.0	0222782500	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	650	0.018	C.Y.	$ 1,582.08	$ 5,702.08	$ 7,284.16	1. Dozer removing diversion structures, ripping embankments.
		Totals					$ 1,582.08	$ 5,702.08	$ 7,284.16	

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Proposed Pond

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
6,608.0	0222782500	Ripping, trap rock, medium hard, 300 HP dozer, adverse co	B10M	650	0.018	C.Y.	$ 3,171.84	$ 11,431.84	$ 14,603.68	1. Dozer removing diversion structures, ripping embankments.
		Totals					$ 3,171.84	$ 11,431.84	$ 14,603.68	

Ripping Road Under Crusher Conveyor Belt

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,371.0	0222782100	Ripping, trap rock, very hard, 460 HP dozer, adverse conditi	B10X	270	0.044	C.Y.	$ 1,604.07	$ 6,923.55	$ 8,527.62	1. Ripping road under Crusher Conveyor.
		Totals					$ 1,604.07	$ 6,923.55	$ 8,527.62	

Ripping Exploration Roads SE of Quarry (Burma Road)

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
8,244.0	0222782100	Ripping, trap rock, very hard, 460 HP dozer, adverse conditi	B10X	270	0.044	C.Y.	$ 9,645.48	$ 41,632.20	$ 51,277.68	1. Ripping road to Quartzite Quarry and Berma Road.
		Totals					$ 9,645.48	$ 41,632.20	$ 51,277.68	

Ripping The Remaining Portion of a Branch Road to The Process Facilities

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
323.0	0222782100	Ripping, trap rock, very hard, 460 HP dozer, adverse conditi	B10X	270	0.044	C.Y.	$ 377.91	$ 1,631.15	$ 2,009.06	1. Ripping remaining part of branch road from the Quarry to the Process Facilities.
		Totals					$ 377.91	$ 1,631.15	$ 2,009.06	

Ripping on The West Side of The Quarry

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
5,550.0	0222782100	Ripping, trap rock, very hard, 460 HP dozer, adverse conditi	B10X	270	0.044	C.Y.	$ 6,493.50	$ 28,027.50	$ 34,521.00	1. Ripping the roads on the west side of the Quarry.
		Totals					$ 6,493.50	$ 28,027.50	$ 34,521.00	

Ripping Road To Quartzite Quarry

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
3,872.0	0222782100	Ripping, trap rock, very hard, 460 HP dozer, adverse conditi	B10X	270	0.044	C.Y.	$ 4,530.24	$ 19,553.60	$ 24,083.84	1. Ripping north of the Quarry.
		Totals					$ 4,530.24	$ 19,553.60	$ 24,083.84	

Ripping Road To Stacker/Reclaimer

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Labor	Bare Equip.	Total	Note
1,371.0	0222782100	Ripping, trap rock, very hard, 460 HP dozer, adverse conditi	B10X	270	0.044	C.Y.	$ 1,604.07	$ 6,923.55	$ 8,527.62	1. Ripping branch road to the Stacker/Reclaimer.
		Totals					$ 1,604.07	$ 6,923.55	$ 8,527.62	

Reclamation Revegetation of Ultimate Disturbed Area

Qty	CSI Number	Description	Crew	Daily Output	Labor Hrs	Unit	Bare Mat.	Bare Labor	Bare Equip.	Total	Note
11,543.0	0293085400	Seeding, utility mix, 7#/M.S.F., hydro or air seeding W/mulc	B81	80	0.3	M.S.F.	$ 311,661.00	$ 79,646.70	$ 86,572.50	$ 477,880.20	1. Aerial seeding (aprox.265 acres) of inaccessible land.
12,240.0	0293085300	Seeding, utility mix, 7#/M.S.F., tractor spreader	B66	52	0.154	M.S.F.	$ 88,128.00	$ 49,082.40	$ 47,001.60	$ 184,212.00	1. Ground seeding (aprox. 277 acres) accessible to ground equip.
		Totals					$ 399,789.00	$ 128,729.10	$ 133,574.10	$ 662,092.20	

CostWorks SUBTOTAL: $ 3,286,827.06

Additional Items not accounted for in CostWorks:

Description	Quantity	Units	$/unit	Total
Estimated amount of Composted Manure (10 tons/acre)	279	acres	300	$ 83,700.00
General Site Clean-up & Trash Removal	45	acres	50	$ 2,250.00
Reclamation Supervision	30	days	372	$ 11,160.00
			SubTotal:	$ 3,383,937.06
10% Contingency				$ 338,393.71
			SubTotal:	$ 3,722,330.77
Escalate for 5 years at 3.27% per year				$ 649,726.55
Rounded Surety Amount in Year 2004 dollars			Total:	$ 4,372,057

Average Cost per Disturbed Acre (669 acres) = $6,535.21