APPENDIX VIII-4

RECLAIMATION BOND CALCULATION

REVISED JUNE 2008

File in:
☐ Confidential
☐ Shelf
☒ Expandable
Refer to Record No 0033 Date 08/13/2008
In C/0070011, 2008, Incoming
For additional information

Bonding Calculations

Direct Costs		
Subtotal Demolition and Removal	$541,408.00	
Subtotal Backfilling and Grading	$853,816.00	
Subtotal Revegetation	$898,647.00	
Direct Costs	$2,293,871.00	
Indirect Costs		
Mob/Demob	$229,387.00	10.0%
Contingency	$114,694.00	5.0%
Engineering Redesign	$57,347.00	2.5%
Main Office Expense	$155,983.00	6.8%
Project Mainagement Fee	$57,347.00	2.5%
Subtotal Indirect Costs	$614,758.00	26.8%
Total Cost	$2,908,629.00	
Escalation factor		0.032
Number of years		1
Escalation	$93,076.00	
Reclamation Cost Escalated	$3,001,705.00	
Bond Amount (rounded to nearest $1,000) 2009 Dollars	$3,002,000.00	
Posted Bond 2002	$2,838,000.00	
Difference Between Cost Estimate and Bond	-$164,000.00	
Percent Difference	-5.46%	

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Machine Shop 01																			46298
	Warehouse 02																			29301
	Tipple 2 Operator Bld 03																			445
	Resin Plant 04																			1829
	Tipple Office Scalehouse 05																			1057
	Heavy Equipment Shop 06																			10115
	Fuel Tank 07																			612
	Haul Truck Maintenance Shop 08																			8123
	Haul Truck Office 09																			612
	Haul Truck Fuel Containment 10																			1217
	Explosives Magazine Two 11																			1105
	Culverts12																			12996
	Power Lines 13																			4056
	Water Tank A 14																			2448
	Bath House A 15																			85380
	Bath House Shed 16																			984
	Rock Dust Bin 17																			2010
	King 4 Steam Cleaner Bld 18																			369
	Main Substation 19																			306
	Secondary Substation 20																			25
	Switch Bld Lower 21																			1220
	Switch Buildings Upper 22																			924
	Fan Drive Bld 23																			1087
	King 5 Fan 24																			621
	King 5 Steam Cleaner 25																			111
	King 5 Shop 26																			2603
	King 5 Substation 27																			5633
	Conveyor Control Bld 28																			977
	Rail into Mine 29																			1000
	Stacking Conveyor 30																			66199
	Stockpile Reclaim Facility 31																			57042
	Gallery 32																			31076
	Screen Crusher Silo Facility 33																			0
	Ramoved During Backfilling 34																			5361
	Power Lines 35																			5000
	Miscellaneous Equipment 36																			4060
	Water Tank B 37																			1720
	Bath House B 38																			35812
	Storage Shed 39																			3689
	Upper Retaining Wall 40																			393
	Shop 41																			16713
	Fan 42																			24423
	Pump Station 43																			220
	Substation Shed 44																			736
	Substation 45																			1652
	Overland Conveyor Shed 46																			2301
	Stacking Conveyor 47																			17161
	Stockpile Reclaim Conveyor 48																			32986
	South Fork Stream 49																			
	Middle Fork Stream 50																			
	North Fork Pipeline 51																			11400
	Total																			541408

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Machine Shop 01																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF	42	240	12								FT		120960	CF	36288
	Structure's Vol. Demolished																0.35	1568	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													1568	CY	6272
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			42560
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	42	90	0.5								FT		70	CY	694
	Concrete's Vol. Demolished																1.3	91	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													91	CY	145
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													91	CY	339
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													91	CY	801
	Subtotal																			1979
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	42	120	0.33								FT		62	CY	615
	Concrete's Vol. Demolished																1.3	81	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													81	CY	129
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													81	CY	302
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													81	CY	713
	Subtotal																			1759
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			46298

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Warehouse 02																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF	36	150	15								FT		81000	CF	24300
	Structure's Vol. Demolished																0.35	1050	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													1050	CY	4200
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			28500
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	32	52	0.08								FT		5	CY	50
	Concrete's Vol. Demolished																1.3	7	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													7	CY	11
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													7	CY	26
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													7	CY	62
	Subtotal																			149
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	32	58	0.33								FT		23	CY	228
	Concrete's Vol. Demolished																1.3	30	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													30	CY	48
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													30	CY	112
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													30	CY	264
	Subtotal																			652
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			29301

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Tipple 2 Operator Bld 03																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF	11	11	9								FT		1089	CF	327
	Structure's Vol. Demolished																0.35	14	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													14	CY	56
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			383
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	11	11	0.5								FT		2	CY	20
	Concrete's Vol. Demolished																1.3	3	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													3	CY	5
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													3	CY	11
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													3	CY	26
	Subtotal																			62
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			445

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Resin Plant 04																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF			16	16							FT		3217	CF	933
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			933
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	28	40	0.5								FT		21	CY	208
	Concrete's Vol. Demolished																1.3	27	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													27	CY	43
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													27	CY	101
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													27	CY	238
	Subtotal																			590
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	190	1.5	1								FT		11	CY	109
	Concrete's Vol. Demolished																1.3	14	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													14	CY	22
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													14	CY	52
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													14	CY	123
	Subtotal																			306
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			1829

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Tipple Office Scalehouse 05																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF	12	28	8								FT		2688	CF	806
	Structure's Vol. Demolished																0.35	35	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													35	CY	140
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			946
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	12	28	0.33								FT		4	CY	40
	Concrete's Vol. Demolished																1.3	5	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													5	CY	8
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													5	CY	19
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													5	CY	44
	Subtotal																			111
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			1057

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Heavy Equipment Shop 06																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF	30	60	14.5								FT		26100	CF	7830
	Structure's Vol. Demolished																0.35	338	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													338	CY	1352
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			9182
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	30	60	0.5								FT		33	CY	327
	Concrete's Vol. Demolished																1.3	43	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													43	CY	68
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													43	CY	160
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													43	CY	378
	Subtotal																			933
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			10115

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Fuel Tank 07																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	20	30	0.5								FT		11	CY	109
	Concrete's Vol. Demolished																1.3	14	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													14	CY	22
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													14	CY	52
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													14	CY	123
	Subtotal																			306
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	100	3	1								FT		11	CY	109
	Concrete's Vol. Demolished																1.3	14	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													14	CY	22
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													14	CY	52
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													14	CY	123
	Subtotal																			306
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			612

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Haul Truck Maintenance Shop 08																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF	22	60	15								FT		19800	CF	5940
	Structure's Vol. Demolished																0.35	257	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													257	CY	1028
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			6968
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	22	100	0.5								FT		41	CY	407
	Concrete's Vol. Demolished																1.3	53	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													53	CY	84
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													53	CY	198
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													53	CY	466
	Subtotal																			1155
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			8123

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Haul Truck Office 09																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF	14	14	8								FT		1568	CF	470
	Structure's Vol. Demolished																0.35	20	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													20	CY	80
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			550
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	14	14	0.33								FT		2	CY	20
	Concrete's Vol. Demolished																1.3	3	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													3	CY	5
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	31 23 23 18 0320	3.73	/CY													3	CY	11
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													3	CY	26
	Subtotal																			62
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			612

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Haul Truck Fuel Containment 10																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	14	33	0.5								FT		9	CY	89
	Concrete's Vol. Demolished																1.3	12	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													12	CY	19
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													12	CY	45
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													12	CY	106
	Subtotal																			259
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	14	33	2								FT		34	CY	337
	Concrete's Vol. Demolished																1.3	44	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													44	CY	70
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													44	CY	164
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													44	CY	387
	Subtotal																			958
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			1217

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Explosives Magazine Two 11																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF	14	14	8							2	FT		3136	CF	941
	Structure's Vol. Demolished																0.35	41	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													41	CY	164
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1105
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			1105

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Culverts12																			
	Undisturbed Drain (3)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	725	4	8								FT		859	CY	1323
	Undisturbed Drain (3)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	725	4	8								FT		859	CY	1572
	North Ramp & Ditch (4)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	28	2	4								FT		8	CY	12
	North Ramp & Ditch (4)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	28	2	4								FT		8	CY	15
	Road & RR NW & Ditch (34)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	100	3	6								FT		67	CY	103
	Road & RR NW & Ditch (34)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	100	3	6								FT		67	CY	123
	Road & RR & South Fork (13)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	90	6	12								FT		240	CY	370
	Road & RR & South Fork (13)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	90	6	12								FT		240	CY	439
	Ball Field Road & South Fork (14)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	28	6	12								FT		75	CY	116
	Ball Field Road & South Fork (14)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	28	6	12								FT		75	CY	137
	So. Load Track & Ditch (2)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	110	3	6								FT		73	CY	112
	So. Load Track & Ditch (2)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	110	3	6								FT		73	CY	134
	Right fork Undisturbed Drain (24)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	330	2	4								FT		98	CY	151
	Right fork Undisturbed Drain (24)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	330	2	4								FT		98	CY	179
	Left Fork Undisturbed Drain	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	80	2	4								FT		24	CY	37
	Left Fork Undisturbed Drain	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	80	2	4								FT		24	CY	44
	Main Undisturbed Drain (25)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	1640	3	6								FT		1093	CY	1683
	Main Undisturbed Drain (25)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	1640	3	6								FT		1093	CY	2000
	Lower Road (55)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	95	2	4								FT		28	CY	43
	Lower Road (55)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	95	2	4								FT		28	CY	51
	Lower Raod (56)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	80	2	4								FT		24	CY	37
	Lower Raod (56)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	80	2	4								FT		24	CY	44
	Yard Disturbed Drain (62)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	675	2	4								FT		200	CY	308
	Yard Disturbed Drain (62)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	675	2	4								FT		200	CY	366
	Ramp -2 (54)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	40	1	2								FT		3	CY	5
	Ramp -2 (54)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	40	1	2								FT		3	CY	5
	Upper Drop Drain (52)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	150	1	2								FT		11	CY	17
	Upper Drop Drain (52)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	150	1	2								FT		11	CY	20
	Lower Drop Drain (53)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	120	1	2								FT		9	CY	14
	Lower Drop Drain (53)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	120	1	2								FT		9	CY	16
	Upper Truck Entrance (48)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	65	2	4								FT		19	CY	29
	Upper Truck Entrance (48)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	65	2	4								FT		19	CY	35
	Lower Truck Entrance (47)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	55	2	4								FT		16	CY	25
	Lower Truck Entrance (47)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	55	2	4								FT		16	CY	29
	Yard Raod & Ditch (57)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	30	1	2								FT		2	CY	3
	Yard Raod & Ditch (57)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	30	1	2								FT		2	CY	4
	Portal Area Undisturbed Drain (26)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	235	6	12								FT		627	CY	966
	Portal Area Undisturbed Drain (26)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	235	6	12								FT		627	CY	1147
	Loadout Undisturbed Drain (60)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	260	2	4								FT		77	CY	119
	Loadout Undisturbed Drain (60)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	260	2	4								FT		77	CY	141
	D009 Undisturbed Drain (36)	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	250	4	8								FT		296	CY	456
	D009 Undisturbed Drain (36)	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	250	4	8								FT		296	CY	542
	Upper Ramp to Water Tank	Excavation Bulk Bank 2 CY (322BL)	31 23 16 42 0260	1.54	/CY	22	2	4								FT		7	CY	11
	Upper Ramp to Water Tank	Backfill Trench Mininal Haul 2 1/4 CY	31 23 16 13 3080	1.83	/CY	22	2	4								FT		7	CY	13
	Total																			12996

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Power Lines 13																			
	Structure's Demolition Cost	Powerpole	Hiawatha	100	EA										40	EA		40	EA	4000
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY						14					CY		14	CY	56
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			4056
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			4056

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Water Tank A 14																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF			14	24							FT		6333	CF	1900
	Structure's Vol. Demolished																0.35	82	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													82	CY	328
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			2228
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY			0.5	24							FT		8	CY	79
	Concrete's Vol. Demolished																1.3	10	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													10	CY	16
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													10	CY	37
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													10	CY	88
	Subtotal																			220
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			2448

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Bath House A 15																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF	83	150	19								FT		236550	CF	70965
	Structure's Vol. Demolished																0.35	3066	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													3066	CY	12264
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			83229
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	83	75	0.33								FT		76	CY	754
	Concrete's Vol. Demolished																1.3	99	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													99	CY	157
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													99	CY	369
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													99	CY	871
	Subtotal																			2151
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			85380

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Bath House Shed 16																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	16	18	10								FT		2880	CF	835
	Structure's Vol. Demolished																0.35	37	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			835
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	16	18	0.5								FT		5	CY	50
	Concrete's Vol. Demolished																1.3	7	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													7	CY	11
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	31 23 23 18 0320	3.73	/CY													7	CY	26
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													7	CY	62
	Subtotal																			149
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			984

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Rock Dust Bin 17																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	9	14	55								FT		6930	CF	2010
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			2010
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	1	1	3							4	FT		0	CY	0
	Concrete's Vol. Demolished																1.3	0	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													0	CY	0
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													0	CY	0
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													0	CY	0
	Subtotal																			0
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			2010

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	King 4 Steam Cleaner Bld 18																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	22	50	0.33								FT		13	CY	129
	Concrete's Vol. Demolished																1.3	17	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													17	CY	27
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													17	CY	63
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													17	CY	150
	Subtotal																			369
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			369

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Main Substation 19																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	20	45	0.33								FT		11	CY	109
	Concrete's Vol. Demolished																1.3	14	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													14	CY	22
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													14	CY	52
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													14	CY	123
	Subtotal																			306
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			306

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Secondary Substation 20																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	10	10	0.33								FT		1	CY	10
	Concrete's Vol. Demolished																1.3	1	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													1	CY	2
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													1	CY	4
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													1	CY	9
	Subtotal																			25
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			26

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Switch Bld Lower 21																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF	17.5	18	10								FT		3150	CF	945
	Structure's Vol. Demolished																0.35	41	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													41	CY	164
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1109
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	17.5	18	0.33								FT		4	CY	40
	Concrete's Vol. Demolished																1.3	5	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													5	CY	8
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													5	CY	19
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													5	CY	44
	Subtotal																			111
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			1220

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Switch Buildings Upper 22																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF	12	17	12								FT		2448	CF	734
	Structure's Vol. Demolished																0.35	32	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													32	CY	128
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			862
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	12	17	0.33								FT		2	CY	20
	Concrete's Vol. Demolished																1.3	3	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													3	CY	5
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													3	CY	11
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													3	CY	26
	Subtotal																			62
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			924

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Fan Drive Bld 23																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	14.5	17	14								FT		3451	CF	1001
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1001
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	14.5	17	0.33								FT		3	CY	30
	Concrete's Vol. Demolished																1.3	4	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													4	CY	6
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	31 23 23 18 0320	3.73	/CY													4	CY	15
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													4	CY	35
	Subtotal																			86
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			1087

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	King 5 Fan 24																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF	12	12	11								FT		1584	CF	475
	Structure's Vol. Demolished																0.35	21	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													21	CY	84
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			559
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	12	12	0.33								FT		2	CY	20
	Concrete's Vol. Demolished																1.3	3	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													3	CY	5
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													3	CY	11
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													3	CY	26
	Subtotal																			62
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			621

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	King 5 Steam Cleaner 25																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	12	26	0.33								FT		4	CY	40
	Concrete's Vol. Demolished																1.3	5	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													5	CY	8
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													5	CY	19
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													5	CY	44
	Subtotal																			111
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			111

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	King 5 Shop 26																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	22	40	9								FT		7920	CF	2297
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			2297
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	22	40	0.33								FT		11	CY	109
	Concrete's Vol. Demolished																1.3	14	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													14	CY	22
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													14	CY	52
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													14	CY	123
	Subtotal																			306
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			2603

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	King 5 Substation 27																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	15	25	25								FT		9375	CF	2719
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			2719
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	15	15	0.33								FT		3	CY	30
	Concrete's Vol. Demolished																1.3	4	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													4	CY	6
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													4	CY	15
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													4	CY	35
	Subtotal																			86
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	15	15	12								FT		100	CY	992
	Concrete's Vol. Demolished																1.3	130	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													130	CY	207
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													130	CY	485
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													130	CY	1144
	Subtotal																			2828
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			5633

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Conveyor Control Bld 28																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF	14	17	9								FT		2142	CF	643
	Structure's Vol. Demolished																0.35	28	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													28	CY	112
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			755
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	14	17	0.33								FT		3	CY	30
	Concrete's Vol. Demolished																1.3	4	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													4	CY	6
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													4	CY	15
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													4	CY	35
	Subtotal																			86
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	12.5	16.5	0.5								FT		4	CY	40
	Concrete's Vol. Demolished																1.3	5	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													5	CY	8
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													5	CY	19
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													5	CY	44
	Subtotal																			111
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	5	15	0.5								FT		1	CY	10
	Concrete's Vol. Demolished																1.3	1	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													1	CY	2
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													1	CY	4
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													1	CY	9
	Subtotal																			25
	Total																			977

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Rail into Mine 29																			
	Structure's Demolition Cost	Rail Road Removal	Contractors	10000	/Mi	700										FT		0.1	MI	1000
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1000
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			1000

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Stacking Conveyor 30																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	7.5	175	9								FT		11813	CF	3426
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			3426
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	23	23	112								FT		2194	CY	21764
	Concrete's Vol. Demolished																1.3	2852	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													2852	CY	4535
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													2852	CY	10638
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													2852	CY	25098
	Subtotal																			62035
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	25	28	1								FT		26	CY	258
	Concrete's Vol. Demolished																1.3	34	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													34	CY	54
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													34	CY	127
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													34	CY	299
	Subtotal																			738
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			66199

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Stockpile Reclaim Facility 31																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF	10	16	2								FT		320	CF	96
	Structure's Vol. Demolished																0.35	4	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													4	CY	16
	Subtotal																			112
	Structure's Demolition Cost	City Services	City Service Price	4	/CY	7.5	166	9								FT		11205	CF	44820
	Structure's Vol. Demolished																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			44820
	Structure's Demolition Cost	City Services	City Service Price	4	/CY	14	17	9								FT		2142	CF	8568
	Structure's Vol. Demolished																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			8568
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	14	17	0.33								FT		3	CY	30
	Concrete's Vol. Demolished																1.3	4	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													4	CY	6
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													4	CY	15
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													4	CY	35
	Subtotal																			86
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	8	16	9								FT		43	CY	427
	Concrete's Vol. Demolished																1.3	56	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													56	CY	89
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													56	CY	209
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													56	CY	493
	Subtotal																			1218
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	14	17	9								FT		79	CY	784
	Concrete's Vol. Demolished																1.3	103	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													103	CY	164
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													103	CY	384
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													103	CY	906
	Subtotal																			2238
	Total																			57042

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Galley 32																			
	Structure's Demolition Cost	Concrete Bld. Large	02 41 16 13 0050	0.41	/CF	27.5	100	12								FT		33000	CF	13530
	Structure's Vol. Demolished																0.35	428	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													428	CY	1712
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			15242
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	12	126	10								FT		560	CY	5555
	Concrete's Vol. Demolished																1.3	728	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													728	CY	1158
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													728	CY	2715
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													728	CY	6406
	Subtotal																			15834
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			31076

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Screen Crusher Silo Facility 33																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	4	16	0.5								FT		1	CY	10
	Concrete's Vol. Demolished																1.3	1	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													1	CY	2
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													1	CY	4
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													1	CY	9
	Subtotal																			25
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	8	12	0.5								FT		2	CY	20
	Concrete's Vol. Demolished																1.3	3	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													3	CY	5
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													3	CY	11
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													3	CY	26
	Subtotal																			62
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	22	22	1								FT		18	CY	179
	Concrete's Vol. Demolished																1.3	23	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													23	CY	37
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													23	CY	86
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													23	CY	202
	Subtotal																			504
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	4	8	0.5								FT		1	CY	10
	Concrete's Vol. Demolished																1.3	1	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													1	CY	2
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													1	CY	4
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													1	CY	9
	Subtotal																			25
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	22	22	1								FT		18	CY	179
	Concrete's Vol. Demolished																1.3	23	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													23	CY	37
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													23	CY	86
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													23	CY	202
	Subtotal																			504
	Total																			

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Removed During Backfilling 34																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF						15687					FT		15687	CF	4549
	Structure's Vol. Demolished																0.35	203	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													203	CY	812
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			5361
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			5361

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Power Lines 35																			
	Structure's Demolition Cost	Powerpole	Hiawatha	100	EA										50	EA		50	EA	5000
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			5000
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			5000

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Miscellaneous Equipment 36																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF						13500					FT		13500	CF	3915
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			3915
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF						500					FT		500	CF	145
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			145
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			4060

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Water Tank B 37																			
	Structure's Demolition Cost	Mixed Materials Bld. Large	02 41 16 13 0100	0.3	/CF			14	20							FT		4398	CF	1319
	Structure's Vol. Demolished																0.35	57	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													57	CY	228
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1547
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY			0.5	20							FT		6	CY	60
	Concrete's Vol. Demolished																1.3	8	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													8	CY	13
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													8	CY	30
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													8	CY	70
	Subtotal																			173
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			1720

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Bath House B 38																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	40	160	18.5								FT		118400	CF	34336
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			34336
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	40	107	0.33								FT		52	CY	516
	Concrete's Vol. Demolished																1.3	68	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													68	CY	108
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													68	CY	254
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													68	CY	598
	Subtotal																			1476
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			35812

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Storage Shed 39																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	31	31	12								FT		11532	CF	3344
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			3344
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	31	31	0.33								FT		12	CY	119
	Concrete's Vol. Demolished																1.3	16	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													16	CY	25
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													16	CY	60
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													16	CY	141
	Subtotal																			345
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			3689

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Upper Retaining Wall 40																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	38	1	10								FT		14	CY	139
	Concrete's Vol. Demolished																1.3	18	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													18	CY	29
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	31 23 23 18 0320	3.73	/CY													18	CY	67
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													18	CY	158
	Subtotal																			393
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			393

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Shop 41																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	60	62	14								FT		52080	CF	15103
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			15103
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	75	62	0.33								FT		57	CY	565
	Concrete's Vol. Demolished																1.3	74	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													74	CY	118
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													74	CY	276
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													74	CY	651
	Subtotal																			1610
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			16713

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Fan 42																			
	Structure's Demolition Cost	Concrete Bld. Large	02 41 16 13 0050	0.41	/CF	60	62	14								FT		52080	CF	21353
	Structure's Vol. Demolished																0.35	675	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													675	CY	2700
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			24053
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	10	10	0.33								FT		1	CY	10
	Concrete's Vol. Demolished																1.3	1	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													1	CY	2
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													1	CY	4
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													1	CY	9
	Subtotal																			25
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	30	32	0.33								FT		12	CY	119
	Concrete's Vol. Demolished																1.3	16	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													16	CY	25
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													16	CY	60
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													16	CY	141
	Subtotal																			345
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			24423

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Pump Station 43																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	64	10	0.33								FT		8	CY	79
	Concrete's Vol. Demolished																1.3	10	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													10	CY	16
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													10	CY	37
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													10	CY	88
	Subtotal																			220
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			220

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Substation Shed 44																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	14	16	10								FT		2240	CF	650
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			650
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	14	16	0.33								FT		3	CY	30
	Concrete's Vol. Demolished																1.3	4	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													4	CY	6
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. md. trip	31 23 23 18 0320	3.73	/CY													4	CY	15
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													4	CY	35
	Subtotal																			86
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			736

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Substation 45																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	12	18	25								FT		5400	CF	1566
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			1566
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	12	18	0.33								FT		3	CY	30
	Concrete's Vol. Demolished																1.3	4	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													4	CY	6
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													4	CY	15
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													4	CY	35
	Subtotal																			86
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			1652

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Overland Conveyor Shed 46																			
	Structure's Demolition Cost																			
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	4.5	6.5	3							17	FT		55	CY	546
	Concrete's Vol. Demolished																1.3	72	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													72	CY	114
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													72	CY	269
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													72	CY	634
	Subtotal																			1563
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	5	20	3								FT		11	CY	109
	Concrete's Vol. Demolished																1.3	14	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													14	CY	22
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													14	CY	52
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													14	CY	123
	Subtotal																			306
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	30	40	0.33								FT		15	CY	149
	Concrete's Vol. Demolished																1.3	20	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													20	CY	32
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													20	CY	75
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													20	CY	176
	Subtotal																			432
	Total																			2301

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Stacking Conveyor 47																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	10	275	10								FT		27500	CF	7975
	Structure's Vol. Demolished																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			7975
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	0.5	5	20							4	FT		200	CF	58
	Structure's Vol. Demolished																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			8033
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	1.5	24	70								FT		2520	CF	731
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			8764
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY			3	3						8	FT		6	CY	60
	Concrete's Vol. Demolished																1.3	8	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													8	CY	13
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													8	CY	30
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													8	CY	70
	Subtotal																			173
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	3	24	3								FT		8	CY	79
	Concrete's Vol. Demolished																1.3	10	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													10	CY	16
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													10	CY	37
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													10	CY	88
	Subtotal																			220
	Total																			17181

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Stockpile Reclaim Conveyor 48																			
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	8	110	8								FT		7040	CF	2042
	Structure's Vol. Demolished																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			2042
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	0.67	8	15								FT		80	CF	23
	Structure's Vol. Demolished																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			2065
	Structure's Demolition Cost	Steel Bld. Large	02 41 16 13 0012	0.29	/CF	55	3	15								FT		2475	CF	718
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			2783
	Structure's Demolition Cost																			
	Structure's Vol. Demolished	Concrete Bld. Large	02 41 16 13 0050	0.41	/CF	12	42	12								FT		6048	CF	2480
	Rubble's Weight (exclude steel)																0.35	78	CY	
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel	City Services	City Service Price	4	/CY													6048	CY	24192
	Subtotal																			29455
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	9.92	/CY	1.5	10	5								FT		3	CY	30
	Concrete's Vol. Demolished																1.3	4	CY	
	Loading Cost	Front end loader 3 CY	31 23 16 42 1300	1.59	/CY													4	CY	6
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rnd. trip	31 23 23 18 0320	3.73	/CY													4	CY	15
	Disposal Costs	Disposal on site	02 41 16 17 4200	8.8	/CF													4	CY	35
	Subtotal																			86
	Total																			32986

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	South Fork Stream 49																			
	Dozer	300 H. P. (D8)	01 54 33 20 4310	1140.8	/day									40		HR		5	Day	5704
	Doser Operator	Eq. Op., Medium Equipment (Eqmd)	Eqmd	$60.10	HR									40		HR		40	HR	2404
	Riprap 24"	Machine placed rip-rap slope protection	31 37 13 10 0011	55	CY							556				CY		556	CY	30580
	Filter Gravel	Pea stone	32 91 13 16 1600	106	CY							296				CY		296	CY	31376
	Subtotal																			70064
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			70064

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Middle Fork Stream 50																			
	Dozer	300 H. P. (D8)	01 54 33 20 4310	1140.8	/day									80		HR		10	Day	11408
	Doser Operator	Eq. Op., Medium Equipment (Eqmd)	Eqmd	$60.10	HR									80		HR		80	HR	4808
	Riprap 24"	Machine placed rip-rap slope protection	31 37 13 10 0011	55	CY							2000				CY		2000	CY	110000
	Filter Gravel	Pea stone	32 91 13 16 1600	106	CY							1000				CY		1000	CY	106000
	Subtotal																			232216
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			232216

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	North Fork Pipeline 51																			
	Structure's Demolition Cost	Concrete Pipe 12"	02 41 13 38 0480	7.6	/LF	1500										FT		1500	FT	11400
	Structure's Vol. Demolished																			
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			11400
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			11400

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

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

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

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

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

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

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

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

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

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Backfill and Grade South Fork 001															18170
Backfill South Fork Road 002															0
Topsoil South Fork 003															6213
Stream South Fork 004															19539
Backfill Middle Fork 005															30821
Timber Yard Middle Fork 006															2974
Middle Fork Road 007															20422
Topsoil Middle Fork 008															3827
Backfill Prep Plant 009															216488
Road Prep Plant 010															0
Topsoil Prep Plant 011															323062
Topsoil Borrow Area 012															27294
Support 013															130501
Middle Fork Stream 014															54505
Total															853816

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Backfill and Grade South Fork 001															
Remove Containinated Material															
D11R U EROPS (9-52) (2nd 2007)	46405	204.15	0.1	60.1	574.7	1	575	$/HR	5147	CY	2322	cy/hr	2.2	HR	1265
Remove and Stockpile Topsoil															
1.5' Deep from Areas A & B															
D11R U EROPS (9-52) (2nd 2007)	46405	204.15	0.1	60.1	574.7	1	575	$/HR	5506	CY	2322	cy/hr	2.4	HR	1380
Cut and Fill Site															
D11R U EROPS (9-52) (2nd 2007)	46405	204.15	0.1	60.1	574.7	1	575	$/HR	42300	cy	1569	cy/hr	27	HR	15525
Subtotal															18170

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Backfill South Fork Road 002															
County Road Will Be Retained															
Subtotal															0

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Topsoil South Fork 003															
Mine Site Only															
Grade															
D6R XL Series III (9-51) (2nd 2007)	10295	48.9	0.1	60.1	178.23	1	178	$/HR	6712	CY	415	cy/hr	16.2	HR	2884
Area RA-17 and RA-19															
Load Topsoil on Dump Truck															
988G EROPS (9-35) (2nd2007) 2005	15505	77.35	0.1	60.1	242.09	1	242	$/HR	1206	CY	340	cy/hr	3.5	HR	847
Haul Topsoil to South Fork Pad															
769D (20-11) (2nd2007)	11580	52.25	0.1	47.35	177.2	4	709	$/HR	1206	CY	340	cy/hr	3.5	HR	2482
Subtotal															6213

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Stream South Fork 004															
D6R XL Series III (9-51) (2nd 2007)	10295	48.9	0.1	60.1	178.23	1	178	$/HR	456	CY	299	cy/hr	1.5	HR	267
Place Rip Rap															
M317313100200							16.65	sy	373	sy					6210
Place Rip Rap															
CAT 330D L (10-24) (2nd2007)	15415	68.9	0.1	60.1	232.23	1	232	$/HR	373	sy	53	sy/day	56.3	HR	13062
Subtotal															19539

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Backfill Middle Fork 005															
Remove Contaiminated Material (6" deep)															
D11R U EROPS (9-52) (2nd 2007)	46405	204.15	0.1	60.1	574.7	1	575	$/HR	7583	CY	2322	cy/hr	3.3	HR	1898
Remove and Stockpile Topsoil															
1.5 feet deep from Areas A, B and C															
D11R U EROPS (9-52) (2nd 2007)	46405	204.15	0.1	60.1	574.7	1	575	$/HR	7229	CY	2322	cy/hr	3.1	HR	1783
Cut and Fill Site															
D11R U EROPS (9-52) (2nd 2007)	46405	204.15	0.1	60.1	574.7	1	575	$/HR	74115	CY	1569	cy/hr	47.2	HR	27140
Subtotal															30821

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Timber Yard Middle Fork 006															
Remove And Stockpile Topsoil (6" deep)															
D9R Semi-U EROPS (9-52) (2H2007)	19405	95.3	0.1	60.1	286.21	1	286	$/HR	2420	CY	747	cy/hr	3.2	HR	915
RA-25															
Cut and Fill Sites															
D9R Semi-U EROPS (9-52) (2H2007)	19405	95.3	0.1	60.1	286.21	1	286	$/HR	3000	CY	747	cy/hr	4	HR	1144
Replace Topsoil															
D9R Semi-U EROPS (9-52) (2H2007)	19405	95.3	0.1	60.1	286.21	1	286	$/HR	2420	CY	747	cy/hr	3.2	HR	915
Subtotal															2974

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Middle Fork Road 007															
Rip Pavement															
14H EROPS (9-11)(2H2007)	10655	45.5	0.1	60.1	176.74	1	177	$/HR	7.8	AC	2.6	ac/hr	3	HR	531
B185 HP and over (9-13) (2nd2007)	970	4.05	0.1	0	10.52	1	11	$/HR	7.8	AC	2.6	ac/hr	3	HR	33
Grade Pavement to Windrow															
14H EROPS (9-11)(2H2007)	10655	45.5	0.1	60.1	176.74	1	177	$/HR	23.4	AC	5.6	ac/hr	4.2	HR	743
Load Pavement to Slurry Pond															
988G EROPS (9-35) (2nd2007) 2005	15505	77.35	0.1	60.1	242.09	1	242	$/HR	13289	CY			20.1	HR	4864
Haul Pavement to Slurry Pond															
769D (20-11) (2nd2007)	11580	52.25	0.1	47.35	177.2	4	709	$/HR	13289	CY	660	cy/hr	20.1	HR	14251
Subtotal															20422

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Topsoil Middle Fork 008															
Grade															
D6R XL Series III (9-51) (2nd 2007)	10295	48.9	0.1	60.1	178.23	1	178	$/HR	7583	cy	415	ac/hr	18.3	HR	3257
Load Topsoil on Dump Truck															
988G EROPS (9-35) (2nd2007) 2005	15505	77.35	0.1	60.1	242.09	1	242	$/HR	354	CY			0.6	HR	145
Haul Topsoil to Middle Fork Pad															
769D (20-11) (2nd2007)	11580	52.25	0.1	47.35	177.2	4	709	$/HR	354	CY	552	cy/hr	0.6	HR	425
Subtotal															3827

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Backfill Prep Plant 009															
Cut and fill Sites															
D11R U EROPS (9-52) (2nd 2007)	46405	204.15	0.1	60.1	574.7	1	575	$/HR	808274	cy	2322	cy/hr	348.1	hr	200158
Sediment Pond Regrading															
D11R U EROPS (9-52) (2nd 2007)	46405	204.15	0.1	60.1	574.7	1	575	$/HR	66000	cy	2322	cy/hr	28.4	hr	16330
Subtotal															216488

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Road Prep Plant 010															
Access to South Fork Road															
Rip Pavement															
14H EROPS (9-11)(2H2007)	10655	45.5	0.1	60.1	176.74	1	177	$/HR	0.44	AC	2.6	ac/hr	0.2	HR	
B185 HP and over (9-13) (2nd2007)	970	4.05	0.1	0	10.52	1	11	$/HR	0.44	AC	2.6	ac/hr	0.2	HR	
Push ripped pavement to fill site															
D9R Semi-U EROPS (9-52) (2H2007)	19405	95.3	0.1	60.1	286.21	1	286	$/HR	356	cy	1036	cy/hr	0.3	HR	
Reshape surface (3cy/ft)															
D9R Semi-U EROPS (9-52) (2H2007)	19405	95.3	0.1	60.1	286.21	1	286	$/HR	2400	CY	1036	cy/hr	2.3	HR	
Subtotal															0

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Topsoil Prep Plant 011															
Waste Removal Nonrefuse Areas															
Cut and Fill Sites															
D11R U EROPS (9-52) (2nd 2007)	46405	204.15	0.1	60.1	574.7	1	575	$/HR	48618	cy	2322	cy/hr	20.9	HR	12018
Ripping (nonrefuse areas)															
D9R Semi-U EROPS (9-52) (2H2007)	19405	95.3	0.1	60.1	286.21	1	286	$/HR	56.55	ac	1.56	ac/hr	36.3	HR	10382
Multi-Shank Ripper 360-519 P (9-58) (2nd2007)	3065	9.35	0.1		29.44	1	29	$/HR	56.55	ac	1.56	ac/hr	36.3	HR	1053
Topsoil Placement (refuse areas)															
remove and stockpile 18 inch topsoil from borrow area															
D11R U EROPS (9-52) (2nd 2007)	46405	204.15	0.1	60.1	574.7	1	575	$/HR	81288	cy	2322	cy/hr	35	HR	20125
Haul Topsoil to Borrow Area F and															
to Pond 4 and Refuse Pile 2															
D9R Semi-U EROPS (9-52) (2H2007)	19405	95.3	0.1	60.1	286.21	1	286	$/HR	6.7	ac	1.56	ac/hr	4.3	HR	1230
Multi-Shank Ripper 360-519 P (9-58) (2nd2007)	3065	9.35	0.1		29.44	1	29	$/HR	6.7	ac	1.56	ac/hr	4.3	HR	125
631G (9-49) (2nd2007)	22980	22980	0.1	60.1	337.71	4	1351	$/HR	42000	cy	1512	cy/hr	27.8	HR	37558
Haul Topsoil to Borrow Area A and															
to Pond 5 and Pond 5 A															
D9R Semi-U EROPS (9-52) (2H2007)	19405	95.3	0.1	60.1	286.21	1	286	$/HR	16.87	ac	1.56	ac/hr	10.8	HR	3089
Multi-Shank Ripper 360-519 P (9-58) (2nd2007)	3065	9.35	0.1		29.44	1	29	$/HR	16.87	ac	1.56	ac/hr	10.8	HR	313
631G (9-49) (2nd2007)	22980	22980	0.1	60.1	337.71	4	1351	$/HR	133484	cy	1512	cy/hr	88.3	HR	119293
Haul Topsoil to Borrow Area at Prep Plant to															
Refuse Pile 1															
D9R Semi-U EROPS (9-52) (2H2007)	19405	95.3	0.1	60.1	286.21	1	286	$/HR	3.72	ac	1.56	ac/hr	2.4	HR	686
Multi-Shank Ripper 360-519 P (9-58) (2nd2007)	3065	9.35	0.1		29.44	1	29	$/HR	3.72	ac	1.56	ac/hr	2.4	HR	70
631G (9-49) (2nd2007)	22980	22980	0.1	60.1	337.71	4	1351	$/HR	24300	cy	2384	cy/hr	10.2	HR	13780
Haul from Upper Rail Yard to Pond 1															
RA10 RA11 and RA12															
D9R Semi-U EROPS (9-52) (2H2007)	19405	95.3	0.1	60.1	286.21	1	286	$/HR	6.3	ac	1.56	ac/hr	4	HR	1144
Multi-Shank Ripper 360-519 P (9-58) (2nd2007)	3065	9.35	0.1		29.44	1	29	$/HR	6.3	ac	1.56	ac/hr	4	HR	116
631G (9-49) (2nd2007)	22980	22980	0.1	60.1	337.71	4	1351	$/HR	75543	cy	1460	cy/hr	51.7	HR	69847
Replace topsoil from borrow areas															
D11R U EROPS (9-52) (2nd 2007)	46405	204.15	0.1	60.1	574.7	1	575	$/HR	81288	cy	2322	cy/hr	35	HR	20125
Spread topsoil to grade stakes (3 passes)															
14H EROPS (9-11)(2H2007)	10655	45.5	0.1	60.1	176.74	1	177	$/HR	127.47	ac	5.6	ac/hr	22.8	HR	4036
14H EROPS (9-11)(2H2007)	10655	45.5	0.1	60.1	176.74	1	177	$/HR	127.47	ac	5.6	ac/hr	22.8	HR	4036
14H EROPS (9-11)(2H2007)	10655	45.5	0.1	60.1	176.74	1	177	$/HR	127.47	ac	5.6	ac/hr	22.8	HR	4036
Subtotal															323062

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Topsoil Borrow Area 012															
Grading															
D9R Semi-U EROPS (9-52) (2H2007)	19405	95.3	0.1	60.1	286.21	1	286	$/HR	370	cy	1106	CY/HR	0.3	HR	86
Remove Stream Crossing															
D9R Semi-U EROPS (9-52) (2H2007)	19405	95.3	0.1	60.1	286.21	1	286	$/HR					8.7	HR	2488
Install Channel Collector in Borrow Area															
D6R XL Series III (9-51) (2nd 2007)	10295	48.9	0.1	60.1	178.23	1	178	$/HR					40	HR	7120
24" Riprap									1000	CY			13.2	/CY	13200
Filter Gravel									400	CY			11	/CY	4400
Subtotal															27294

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Support 013															
South Fork															
5,000 gal H2O truck Diesel (20-17) (2nd2006)	5170	35.7	0.1	47.35	118.93	1	119	$/HR					27	HR	3213
Pickup Crew 4x4 1 ton 340 hp (20-17) (2nd2007)	1060	14.5	0.1	0	22.58	1	23	$/HR					27	HR	621
Foreman Average, Outside					64.4	1	64	$/HR					27	HR	1728
Middle Fork															
5,000 gal H2O truck Diesel (20-17) (2nd2006)	5170	35.7	0.1	47.35	118.93	1	119	$/HR					80.4	HR	9568
Pickup Crew 4x4 1 ton 340 hp (20-17) (2nd2007)	1060	14.5	0.1	0	22.58	1	23	$/HR					80.4	HR	1849
Foreman Average, Outside					64.4	1	64	$/HR					80.4	HR	5146
North Fork															
5,000 gal H2O truck Diesel (20-17) (2nd2006)	5170	35.7	0.1	47.35	118.93	1	119	$/HR					0	HR	0
Pickup Crew 4x4 1 ton 340 hp (20-17) (2nd2007)	1060	14.5	0.1	0	22.58	1	23	$/HR					0	HR	0
Foreman Average, Outside					64.4	1	64	$/HR					0	HR	0
Prep Plant															
5,000 gal H2O truck Diesel (20-17) (2nd2006)	5170	35.7	0.1	47.35	118.93	1	119	$/HR					348.1	HR	41424
Pickup Crew 4x4 1 ton 340 hp (20-17) (2nd2007)	1060	14.5	0.1	0	22.58	1	23	$/HR					348.1	HR	8006
Foreman Average, Outside					64.4	1	64	$/HR					348.1	HR	22278
Topsoil															
5,000 gal H2O truck Diesel (20-17) (2nd2006)	5170	35.7	0.1	47.35	118.93	1	119	$/HR					178	HR	21182
Pickup Crew 4x4 1 ton 340 hp (20-17) (2nd2007)	1060	14.5	0.1	0	22.58	1	23	$/HR					178	HR	4094
Foreman Average, Outside					64.4	1	64	$/HR					178	HR	11392
Subtotal															130501

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Middle Fork Stream 014															
D6R XL Series III (9-51) (2nd 2007)	10295	48.9	0.1	60.1	178.23	1	178	$/HR	1271	CY	299	cy/hr	4.3	HR	765
Place Rip Rap															
M317313100200							16.65	sy	1040	sy					17316
Place Rip Rap															
CAT 330D L (10-24) (2nd2007)	15415	68.9	0.1	60.1	232.23	1	232	$/HR	1040	sy	53	sy/day	157	HR	36424
Subtotal															54505

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Subtotal															

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Subtotal															

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Subtotal															

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Subtotal															

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Subtotal															

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Subtotal															

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Subtotal															

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Subtotal															

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Subtotal															

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Subtotal															

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Subtotal															

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	South Fork Veg 001																			76374
	Middle Fork Veg 002	75 HP Dozerw/scarifiers																		148090
	North Fork Veg 003																			10304
	Prep Plant Veg 004																			566890
	Topsoil Borrow 005																			96989
	Total																			898647

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	South Fork Veg 001																			
	Scarify total area to be reclaimed	75 HP Dozerw/scarifiers	32 91 13 23 3100	4.53	MSF					12.6						AC		549	MSF	2487
	Apply Fertilizer	Fetilizer Tractor Spread	32 01 90 13 0130	3.21	/MSF					12.6						AC		549	MSF	1762
	Disc harrow along contour	300 H. P. (D8)	01 54 33 20 4310	1140.8	/day									1.9		HR		0.2	day	228
		Eq. Op., Medium Equipment (Eqmd)	Eqmd	60.1	HR									1.9		HR		1.9	HR	114
	Drill Seeding	Tractor Spreader (equip. & labor) B-66	Reveg004	13.34	/MSF					6.8						AC		296	MSF	3949
		South and Middle Forks	HiawathaVeg003	726	/AC					6.8						AC		6.8	AC	4937
	Mulch																			
	2 tons per acre	Hay bale	Reveg007	166.1	/ton					12.6						AC		25.2	tons	4186
	Hydroseed steep areas	Hydro Spreader (equip. & labor) B-81	Reveg005	23.15	/MSF					5.8						AC		253	MSF	5857
		Riparian South and Middle Forks	HiawathaVeg004	385	/AC					5.8						AC		5.8	AC	2233
	Plant Nursery Grown Trees	Bare root seedlings, 11" to 16" med. soil	32 93 43 10 0140	1.79	Ea										10250	EA		10250	EA	18348
		Transplants South and Middle Fork	HiawathaVeg005	1252	/AC					6.8						AC		6.8	AC	8514
	Plant Nursery Grown Shrubs	Bare root seedlings, 11" to 16" med. soil	32 93 43 10 0140	1.79	Ea										4500	EA		4500	EA	8055
		Transplants Riparian South and Middle For	HiawathaVeg006	74	/AC					5.8						AC		5.8	AC	429
	Subtotal																			61099
	Reveg Assume 25% reseeding																			15275
	Subtotal																			15275
	Total																			76374

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Middle Fork Veg 002																			
	Scarify total area to be reclaimed	75 HP Dozerw/scarifiers	32 91 13 23 3100	4.53	MSF					29.41						AC		1281	MSF	5803
	Apply Fertilizer	Fetilizer Tractor Spread	32 01 90 13 0130	3.21	/MSF					29.41						AC		1281	MSF	4112
	Drill Seeding	Tractor Spreader (equip. & labor) B-66	Reveg004	13.34	/MSF					19.9						AC		867	MSF	11566
		South and Middle Forks	HiawathaVeg003	726	/AC					19.9						AC		19.9	AC	14447
	Mulch																			
	2 tons per acre	Hay bale	Reveg007	166.1	/ton					29.41						AC		58.8	tons	9767
	Hydroseed steep areas	Fertilizer Hyrdor Spread Mat. Only	Reveg006 32019011	2.13	/MSF					9.5						AC		414	MSF	882
		South and Middle Forks	HiawathaVeg003	726	/AC					9.5								9.5	AC	6897
	Plant Nursery Grown Trees	Bare root seedlings, 11" to 16" med. soil	32 93 43 10 0140	1.79	Ea										17500	EA		17500	EA	31325
		Transplants South and Middle Fork	HiawathaVeg005	1252	/AC					19.9								19.9	AC	24915
	Plant Nursery Grown Shrubs	Bare root seedlings, 11" to 16" med. soil	32 93 43 10 0140	1.79	Ea										4500	EA		4500	EA	8055
		Transplants Riparian South and Middle Fork	HiawathaVeg006	74	/AC					9.5								9.5	AC	703
	Subtotal																			118472
																				29618
	Reveg Assume 25% reseeding																			
	Subtotal																			29618
	Total																			148090

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	North Fork Veg 003																			
	Scarify total area to be reclaimed	75 HP Dozerw/scarifiers	32 91 13 23 3100	4.53	MSF					6.6						AC		287	MSF	1300
	Apply Fertilizer	Fetilizer Tractor Spread	32 01 90 13 0130	3.21	/MSF					6.6						AC		287	MSF	921
	Drill Seeding	Tractor Spreader (equip. & labor) B-66	Reveg004	13.34	/MSF					6.6						AC		287	MSF	3829
		South and Middle Forks	HiawathaVeg003	726	/AC															
	Mulch																			
	2 tons per acre	Hay bale	Reveg007	166.1	/ton					6.6						AC		13.2	tons	2193
	Subtotal																			8243
																				2061
	Reveg Assume 25% reseeding																			
	Subtotal																			2061
	Total																			10304

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Prep Plant Veg 004																			
	Scarify total area to be reclaimed	75 HP Dozerw/scarifiers	32 91 13 23 3100	4.53	MSF					211.3						AC		9204	MSF	41694
	Apply Fertilizer	Fetilizer Tractor Spread	32 01 90 13 0130	3.21	/MSF					211.3						AC		9204	MSF	29545
	Disc harrow along contour	300 H. P. (D8)	01 54 33 20 4310	1140.8	/day									35.2		HR		4.4	Day	5020
		Eq. Op., Medium Equipment (Eqmd)	Eqmd	60.1	HR									35.2		HR		35.2	HR	2116
	Drill Seeding	Tractor Spreader (equip. & labor) B-66	Reveg004	13.34	/MSF					195.5						AC		8516	MSF	113603
		Ponds, Refuse Area	HiawathaVeg002	855	/AC					195.5						AC		195.5	AC	167153
	Mulch																			
	2 tons per acre	Hay bale	Reveg007	166.1	/ton					195.5						AC		391	tons	64945
	Hydroseed steep areas	Hydro Spreader (equip. & labor) B-81	Reveg005	23.15	/MSF					15.8						AC		688	MSF	15927
		Ponds, Refuse Area	HiawathaVeg002	855	/AC					15.8						AC		15.8	AC	13509
	Subtotal																			453512
																				113378
	Reveg Assume 25% reseeding																			
	Subtotal																			113378
	Total																			566890

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Topsoil Borrow 005																			
	Scarify total area to be reclaimed	75 HP Dozerw/scarifiers	32 91 13 23 3100	4.53	MSF					36.01						AC		1569	MSF	7108
	Apply Fertilizer	Fetilizer Tractor Spread	32 01 90 13 0130	3.21	/MSF					36.01						AC		1569	MSF	5036
	Disc harrow along contour	300 H. P. (D8)	01 54 33 20 4310	1140.8	/day									8.7		HR		1.1	Day	1255
		Eq. Op., Medium Equipment (Eqmd)	Eqmd	60.1	HR									8.7		HR		8.7	HR	523
	Drill Seeding	Tractor Spreader (equip. & labor) B-66	Reveg004	13.34	/MSF					36.01						AC		1569	MSF	20930
		Ponds, Refuse Area	HiawathaVeg002	855	/AC					36.01						AC		36	AC	30780
	Mulch																			
	2 tons per acre	Hay bale	Reveg007	166.1	/ton					36.01						AC		72	tons	11959
	Subtotal																			77591
																				19398
	Reveg Assume 25% reseeding																			
	Subtotal																			19398
	Total																			96989

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Structure's Demolition Cost																			
	Structure's Vol. Demolished	75 HP Dozerw/scarifiers																		
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Structure's Demolition Cost																			
	Structure's Vol. Demolished	75 HP Dozerw/scarifiers																		
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
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	Transportation Cost																			
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	Transportation Cost																			
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	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Structure's Demolition Cost																			
	Structure's Vol. Demolished	75 HP Dozerw/scarifiers																		
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Structure's Demolition Cost																			
	Structure's Vol. Demolished	75 HP Dozerw/scarifiers																		
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Structure's Demolition Cost																			
	Structure's Vol. Demolished	75 HP Dozerw/scarifiers																		
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
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	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
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	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck																			
	Transportation Cost Steel Truck Drive																			
	Disposal Cost Steel																			
	Subtotal																			
	Equipment 's Disposal Cost																			
	Dismantling Cost																			
	Equipment 's Vol. Demolished																			
	Loading Costs																			
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	Subtotal																			
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	Demolition Cost																			
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	Disposal Costs																			
	Subtotal																			
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	Disposal Costs																			
	Subtotal																			
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	Subtotal																			
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