Parametric Cost Engineering System (PACES)
CSI Construction Cost Report

Project SATOC 1

Location: ALABAMA STATE AVERAGE, ALABAMA

Description:

Comments:

Estimate Date: 12/16/2005
Estimate By: steve.shoaf

Agency: Air Force

Report Date: 12/22/2005
10:11 AM

Construction Start Date: 04/01/2006
Construction Midpoint: 08/01/2006
Construction End Date: 01/01/2007

Escalation Rate: 12.56% Based on Project Construction Midpoint

Database Version: Using Jan 2004 Cost Book
PACES Version: 6.0.3

CSI Construction
Cost Report

CSI SYSTEM		MATERIAL	LABOR	EQUIPMENT	TOTAL
01	General Requirements	$2,065	$0	$0	$2,065
02	Site Work	$63,634	$47,617	$14,704	$125,955
03	Concrete	$5,600	$10,788	$417	$16,805
04	Masonry	$26,261	$43,854	$197	$70,312
05	Metals	$45,233	$25,533	$2,255	$73,021
06	Wood and Plastic	$805	$505	$0	$1,310
07	Thermal and Moisture Protection	$17,544	$12,207	$0	$29,750
08	Doors and Windows	$8,550	$4,340	$3	$12,893
09	Finishes	$12,022	$18,613	$6	$30,640
10	Specialties	$19,708	$8,612	$0	$28,320
13	Special Construction	$0	$0	$0	$0
15	Mechanical	$48,788	$56,210	$18	$105,017
16	Electrical	$39,605	$76,104	$655	$116,365
	Project Marked Up Cost	$289,816	$304,383	$18,254	$612,453

Note: Cost includes General Conditions and Profit Markups
Cost does not include Comparative Supporting Facilities, Lump Sum Facilities, Contingencies or SIOH

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Assembly Detail Report

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		UOM	Quantity	Material	Labor	Equipment	Total
Facility:	**Equipment Storage Facility**						
01	SUBSTRUCTURE						
0101	STANDARD FOUNDATION						
010101	WALL FOUNDATIONS						
01010103	1'0" X 3'0" Strip Footing 3000 PSI	LF	121.75	$1,756	$1,730	$46	$3,532
01010105	0.46 m X 1.22 m(1'6" X 4'0") Strip Footing 20,684 kPa(3000 PSI)	LF	4.51	$127	$104	$3	$234
01010122	203.2 mm(8") Thick Concrete Foundation Wall 27,579 kPa(4000 PSI), 1310 mm(45") Deep	LF	121.75	$2,522	$7,215	$351	$10,088
010102	COLUMN FOUNDATIONS & PILE CAPS						
01010201	Spread Footing	CY	4.25	$416	$258	$17	$691
01010211	Column Piers 0.41 m X 0.61 m X 1.73 m(1'4" X 2'0" X 5'8") High	EA	1.00	$153	$358	$1	$512
01010212	Column Piers 0.61 m X 0.61 m X 0.91 m(2'0" X 2'0" X 3'0") High	EA	4.00	$464	$752	$10	$1,226
01010241	Spread Footing, Reinforcing Steel	TON	0.07	$48	$53	$0	$101
01010277	Spread Footing Column Bolts	EA	19.00	$22	$79	$0	$101
0103	SLAB ON GRADE						
010301	STANDARD SLAB ON GRADE						
01030101	101.6 mm(4") Standard Slab On Grade	SF	1,682.54	$3,803	$3,397	$391	$7,591
01030103	152.4 mm(6") Standard Slab On Grade	SF	1,309.99	$3,809	$2,695	$306	$6,810
01030104	177.8 mm(7") Standard Slab On Grade	SF	667.47	$2,272	$1,627	$157	$4,056
010303	INCLINED SLAB ON GRADE						
01030301	203.2 mm(8") Inclined Slab On Grade 27,579 kPa(4000 PSI)	SF	83.00	$467	$251	$10	$728
010304	TRENCHES						
01030407	Galv. Welded Steel Trench Grate	SF	1.23	$19	$5	$0	$24
		System Total :		$15,876	$18,524	$1,293	$35,694
02	SUPERSTRUCTURE						
0201	FLOOR CONSTRUCTION						
020101	STRUCTURAL FRAME						
02010199	Seismic Modifications	SF	3,660.00	$2,065	$0	$0	$2,065
0202	ROOF CONSTRUCTION						
020201	STRUCTURAL FRAME						
02020115	Med Span, Lt Ld, Stl Frm, Mtl Joist	SF	3,787.00	$21,400	$8,656	$1,850	$31,905
02020136	Structural Steel, Lt Load, Columns	SF	2,858.12	$2,221	$569	$208	$2,998
020203	ROOF DECKS AND SLABS						
02020306	1-1/2" Galv. Metal Roof Deck, Open Type, F.P.	SF	3,787.00	$5,578	$3,222	$174	$8,973
		System Total :		$31,265	$12,447	$2,231	$45,942
03	EXTERIOR CLOSURE						
0301	EXTERIOR WALLS						

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		UOM	Quantity	Material	Labor	Equipment	Total
Facility:	**Equipment Storage Facility**						
03010117	8 X 8 X 16 Split Rib Block	SF	5,061.00	$26,221	$43,766	$197	$70,184
03010141	92.08 mm(3-5/8") Mtl. Stud Non-Load Bearing	SF	5,061.00	$1,350	$4,143	$0	$5,493
030102	INSULATION & VAPOR BARRIER						
03010211	101.6 mm(4") Batt Insulation W/Vapor Barrier	SF	5,061.00	$1,832	$2,318	$0	$4,150
030103	INTERIOR SKIN						
03010310	5/8" Gypsum Board/Installed/Taped & Finished	SF	5,061.00	$1,671	$3,978	$0	$5,648
03010311	Paint to Gypsum Board Walls Using Roller	SF	5,061.00	$707	$1,927	$0	$2,634
030105	EXTERIOR LOUVERS & SCREENS						
03010501	Fixed Blade Exterior Louver With Baked Enamel Finish	SF	20.00	$583	$283	$0	$866
030108	EXTERIOR SOFFITS						
03010801	Gypsum Plaster Exterior Soffits	SF	169.00	$195	$833	$6	$1,034
0302	EXTERIOR WINDOWS						
030202	STOREFRONTS						
03020201	Light Aluminum Storefront Frm - 6.35 mm(1/4") Clear	SF	136.00	$3,337	$1,988	$0	$5,324
0303	EXTERIOR PERSONNEL DOORS						
030301	GLAZED DOORS						
03030102	910 mm X 2130 mm(3'0" X 7'0") Aluminum And Glass Door With Transom	EA	1.00	$1,392	$653	$0	$2,045
03030104	1830 mm X 2130 mm(6'0" X 7'0") Pair Aluminum And Glass Doors With Transom	EA	1.00	$2,230	$1,073	$0	$3,303
030302	SOLID DOORS						
03030202	910 mm X 2130 mm(3'0" X 7'0") Hollow Metal Door W/Frame	EA	1.00	$1,797	$628	$0	$2,425
03030204	1830 mm X 2130 mm(6'0" X 7'0") Pair Hollow Metal Doors W/Frame and Panic Handles	EA	1.00	$3,243	$990	$0	$4,234
0304	EXTERIOR SPECIALTY DOORS						
030401	OVERHEAD AND ROLL-UP DOORS						
03040101	2440 mm X 2740 mm(8'0" X 9'0") Steel Overhead Door	EA	6.00 *	$14,344	$11,168	$12	$25,524
		System Total :		$58,901	$73,747	$215	$132,863
04	ROOFING						
0401	ROOFING						
040101	ROOF COVERINGS						
04010108	Standing Seam Metal Roof	SF	5,200.00 *	$13,933	$8,848	$0	$22,781
040103	ROOF INSULATION & FILL						
04010302	Rigid Insulation 1-1/2" Thick	SF	3,787.00	$1,779	$1,040	$0	$2,819
040106	GUTTERS AND DOWNSPOUTS						
04010601	5" Box Gutters With Downspouts	LF	80.00	$180	$383	$0	$563
		System Total :		$15,892	$10,272	$0	$26,163
05	INTERIOR CONSTRUCTION						
0501	PARTITIONS						

Project Name: SATOC 1

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		UOM	Quantity	Material	Labor	Equipment	Total
Facility:	**Equipment Storage Facility**						
05010101	Mtl Stud Partition, 3-5/8"	SF	363.80	$97	$298	$0	$395
05010102	Mtl Stud Partition, 3-5/8", Sound Rated	SF	9.20	$7	$12	$0	$19
05010114	Non-Load Bearing 8 X 8 X 16 Concrete Block	SF	13.00	$40	$88	$0	$128
05010127	Wire Mesh Partitions, 4' Wide X 20' High	SF	3,246.00 *	$15,210	$4,204	$0	$19,414
050105	INTERIOR WINDOWS						
05010504	Fixed Type Window With Aluminum Frm - 3/4" Clear Glass	SF	1.00	$24	$7	$0	$31
0502	INTERIOR PERSONNEL DOORS						
050201	STANDARD INTERIOR DOORS						
05020103	3'0" X 7'0" Hollow Metal Door W/Closure & Kickplate	EA	1.00	$727	$364	$3	$1,094
05020126	2'6" X 6'8" Hollow Core Interior Door And Frame	EA	1.00	$53	$141	$0	$194
050203	FIRE DOORS						
05020303	3'0" X 7'0" Fire Rated Wood Door	EA	1.00	$840	$256	$0	$1,096
0504	INTERIOR SPECIALTIES						
050402	TOILET & BATH ACCESSORIES						
05040213	Accessories For Typical Bath Unit	EA	1.00	$532	$270	$0	$802
050403	CHALKBOARDS & TACKBOARDS						
05040301	Porcelain Enamel Chalkboard	SF	1.00	$24	$28	$0	$52
0505	CASEWORK						
050502	CABINETS						
05050202	Custom Bathrm Vanity - Prefinished W/Plastic Lam Top	LF	4.00	$625	$122	$0	$747
		System Total :		$18,180	$5,789	$3	$23,971
06	INTERIOR FINISHES						
0601	WALL FINISHES						
060103	GYPSUM WALLBOARD FINISHES						
06010301	5/8" Gypsum Board On 7/8" Furring Channel	SF	9.96	$9	$37	$0	$45
06010303	Two Layers Of 5/8" Fire Resistant Gypsum Board	SF	1.88	$2	$3	$0	$6
06010304	5/8" Gypsum Board/Installed/Taped & Finished	SF	104.16	$34	$82	$0	$116
06010305	5/8" WP Gypsum Board/Installed/Taped & Finished	SF	270.00	$89	$212	$0	$301
060105	PAINTING TO WALL						
06010501	Paint To Gypsum Board Walls Using Roller	SF	382.00	$53	$145	$0	$199
06010502	Paint To Concrete Block Using Brushes, Two Coats	SF	21.00	$9	$21	$0	$29
060106	WALL COVERINGS						
06010601	Light Weight Vinyl Wallcovering With Fabric Backing	SF	11.00	$8	$6	$0	$14
060107	ACOUSTICAL TILES & PANELS TO WALLS						
06010701	4' X 8' X 1" Fiberglass Sound Absorbing Panels	SF	2.00	$4	$2	$0	$6
0602	FLOORING & FLOOR FINISHES						
060204	RESILIENT FLOORING						
06020401	Vinyl Tile 1/8" X 12" X 12"	SF	7.00	$29	$8	$0	$37
06020404	Sheet Vinyl Resilient Flooring	SF	50.00	$182	$82	$0	$264
060205	CARPETING						

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		UOM	Quantity	Material	Labor	Equipment	Total
Facility:	**Equipment Storage Facility**						
06020501	Commercial Grade 26 Oz. Nylon Carpet	SY	8.00	$172	$70	$0	$241
060290	OTHER FLOORING AND FLOOR FINISHES						
06029003	Floor Hardener, Non-Metallic Light Service	SF	3,200.00	$731	$1,427	$0	$2,158
0603	CEILING & CEILING FINISHES						
060303	GYPSUM WALLBOARD CEILING FINISHES						
06030301	5/8" Gypsum Wallboard Ceiling, 1 Layer, Fire Rated	SF	56.00	$18	$44	$0	$63
060304	ACOUSTIC CEILING TILES & PANELS						
06030402	2' X 2' Or 2' X 4' Fiberglass Acoustical Ceiling Tiles	SF	75.00	$43	$42	$0	$85
060306	PAINTING & STAINING CEILINGS						
06030601	Painting To Drywall Or Plaster Using Rollers, 2 Coats	SF	50.00	$7	$19	$0	$26
06030603	Paint Exposed Steel Joists And Roof Deck	SF	2,600.00	$2,146	$4,589	$0	$6,735
060307	SUSPENSION SYSTEMS						
06030703	T-Bar Ceiling Suspension System 2' X 4' Grid	SF	75.00	$36	$37	$0	$73
06030704	Suspension System For Gypsum Board Ceiling	SF	56.00	$58	$266	$0	$324
060390	OTHER CEILINGS & CEILING FINISHES						
06039002	Exterior Canopy W/Framing	SF	60.00	$451	$442	$0	$893
		System Total :		$4,083	$7,533	$0	$11,616
08	PLUMBING						
0801	PLUMBING FIXTURES						
080101	WATER CLOSETS						
08010101	Floor Mounted Water Closet	EA	1.00	$203	$166	$0	$369
080103	LAVATORIES						
08010301	Wall Hung 16" By 14" White Single Bowl Lavatory	EA	1.00	$678	$638	$0	$1,316
0802	DOMESTIC WATER SUPPLY						
080201	PIPE & FITTINGS						
08020101	Copper Pipe & Fittings	EA	3.00	$1,071	$2,931	$0	$4,002
080202	VALVES & HYDRANTS						
08020201	Valves & Hydrants	EA	2.00	$212	$63	$0	$276
080204	INSULATION & IDENTIFICATION						
08020401	Fiberglass 1-1/2" Pipe Insulation With Vapor Barrier	EA	3.00	$322	$315	$0	$638
0803	SANITARY WASTE & VENT SYSTEM						
080301	WASTE PIPE & FITTINGS						
08030101	Waste Pipe & Fittings	EA	4.00	$1,061	$1,993	$0	$3,053
080302	VENT PIPE & FITTINGS						
08030201	C.I. No Hub Vent Pipe Systm	EA	4.00	$59	$296	$0	$355
080303	FLOOR DRAINS						
08030303	Medium Duty And Heavy Duty Cast Iron Floor Drains	EA	1.00	$373	$99	$0	$471
		System Total :		$3,980	$6,501	$0	$10,481
09	H.V.A.C						
0901	ENERGY SUPPLY						

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Facility:	**Equipment Storage Facility**						
090102	GAS SUPPLY SYSTEM						
09010206	1000 MBH Building Natural Gas Supply	EA	1.00	$2,824	$2,106	$0	$4,930
0902	HEAT GENERATING SYSTEM						
090202	HOT WATER BOILERS AND PIPING						
09020214	HOT WATER BOILER ONLY, GAS FIRED 100 MBH	EA	1.00	$1,721	$1,254	$0	$2,975
0904	DISTRIBUTION SYSTEMS						
090407	EXHAUST VENTILATION SYSTEMS						
09040704	Bathroom Exhaust System 235.97 - 353.96 L/sec(500-750 CFM)	EA	1.00	$1,227	$2,565	$0	$3,792
09040752	5.9 m3/s(12500 CFM) Exhaust Fan, Roof Mounted	EA	1.00	$2,508	$542	$0	$3,050
09040770	0.28 m3/s(600 CFM) Ventilation Sys	EA	1.00	$1,679	$967	$0	$2,646
09040772	1.18 m3/s(2500 CFM) Vent Fan	EA	1.00	$2,404	$273	$0	$2,677
090499	OTHER AIR DISTRIBUTION, COOLING AND HEATING WITH DUCT WORK						
09049932	2.3597 - 3.0676 m3/s (5000 - 6500 CFM) Air Dist Sys	EA	1.00	$19,792	$36,180	$0	$55,972
0905	TERMINAL & PACKAGE UNITS						
090502	UNIT HEATERS						
09050239	Horizontal Unit Heater, Hot Water, 14.64 kW (50 MBH)	EA	1.00	$1,532	$722	$0	$2,253
09050245	Horizontal Unit Heater, Hot Water, 23.42 kW (80 MBH)	EA	1.00	$1,694	$756	$0	$2,450
090506	PACKAGE UNITS						
09050609	ROOF TOP, 9.07 MG (10 TON), 58.56 KW (200 MBH), SGL ZONE, EC, GH	EA	1.00	$8,762	$2,037	$0	$10,799
0906	CONTROLS & INSTRUMENTATION						
090601	HVAC CONTROLS						
09060172	Controls, Hot Water Unit Heater	EA	1.00	$27	$59	$0	$86
09060198	Controls For Ventilating Fan	EA	1.00	$27	$59	$0	$86
0907	SYSTEMS TESTING & BALANCING						
090701	WATER SIDE TESTING & BALANCING, HEATING AND COOLING						
09070102	Water Test & Balance Boiler	EA	1.00	$210	$0	$0	$210
		System Total :		$44,406	$47,519	$0	$91,924
10	FIRE PROTECTION SYSTEMS						
1001	WATER SUPPLY (FIRE PROTECTION)						
100101	WATER SUPPLY EQUIPMENT & PIPING						
10010103	Fire Prot Water Supply, Ord Haz Fac;	EA	32.00	$1,415	$335	$8	$1,758
1002	SPRINKLERS						
100201	SPRINKLER HEADS & RELEASE DEVICES						
10020101	Exposed Sprinkler System For A Lg Facility - Ord. Haz.	EA	32.00 *	$1,215	$3,608	$0	$4,823
		System Total :		$2,630	$3,944	$8	$6,582
11	ELECTRIC POWER & LIGHTING						
1101	SERVICE AND DISTRIBUTION						

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Facility:	**Equipment Storage Facility**						
11010121	Underground 150 Amp 240 Volt 1 Phase Transformer	EA	1.00	$1,761	$682	$96	$2,539
110102	SECONDARY						
11010221	Undergrd 125 Amp Secondary	EA	1.00	$900	$950	$14	$1,863
110103	MAIN SWITCHBOARD						
11010321	Residential Type 125 Amp MB Load Center W/Brk.	EA	1.00	$858	$551	$0	$1,410
1102	LIGHTING & BRANCH WIRING						
110201	BRANCH WIRING						
11020101	120 Volt, 20 Amp Duplex Receptacle - Stud Partition	EA	1.00	$57	$243	$0	$299
11020102	120 Volt, 20 Amp Duplex Receptacle - Masonry Partition	EA	3.00	$191	$747	$0	$937
11020103	Duplex Receptacle Long Run	EA	92.00	$9,988	$40,830	$0	$50,817
11020121	230 Volt, 30 Amp Receptacle - Stud Partition	EA	1.00	$120	$509	$0	$630
11020136	Equipment Connections For Up To 5 HP	EA	1.00	$371	$665	$0	$1,036
11020137	Equipment Connections For Up To 10 HP	EA	10.00	$4,486	$7,688	$0	$12,173
11020156	120V 20A Single Pole Switch	EA	1.00	$54	$222	$0	$275
11020183	120V Residential GFI Receptacle	EA	1.00	$49	$33	$0	$83
110202	LIGHTING EQUIPMENT						
11020202	2' X 4' Lay-In Fluorescent Fixture	EA	4.00	$471	$1,073	$0	$1,545
11020203	2' X 4' Two-Tube Troffer	EA	5.00	$563	$1,327	$0	$1,890
11020207	2' X 4' Lay-In Fluorescent Fixture With Emergency Unit	EA	1.00	$266	$268	$0	$535
11020214	Surface Mounted 1' X 4' Fluorescent Fixture	EA	10.00	$1,636	$2,745	$0	$4,380
11020220	Ceiling Recessed Incandescent 100 Watt Fixture	EA	1.00	$118	$210	$0	$328
11020229	100W Hps Wall Mount	EA	1.00	$267	$347	$0	$614
11020235	150 Watt Hps Recessed Fixture	EA	1.00	$322	$358	$0	$680
11020237	150W Hps Flood Light Wall Mount	EA	1.00	$333	$621	$0	$954
11020272	Exit Light With Battery Backup	EA	1.00	$185	$310	$0	$495
11020274	6V Emergency Battery Pack	EA	2.00	$254	$701	$0	$954
11020276	Compact Fluoresent Lamp Holder	EA	1.00	$46	$257	$0	$304
11020286	Residential Bath Exhaust Fan/Light	EA	1.00	$130	$102	$0	$232
110290	OTHER LIGHTING & BRANCH WIRING						
11029011	Fire Alarm Pull Station	EA	1.00	$75	$231	$0	$306
110292	RENOVATE LIGHTING AND SPECIAL ELECTRICAL						
11029276	Smoke Detector	EA	1.00	$130	$59	$0	$188
11029282	Fire Alarm Light & Horn	EA	1.00	$93	$94	$0	$188
		System Total :		$23,721	$61,823	$110	$85,654
12	ELECTRICAL SYSTEMS						
1201	COMMUNICATION, SECURITY, & ALARM SYSTEMS						
120101	FIRE ALARM SYSTEMS						
12010102	Fire Alarm System - Rate Of Rise Heat Detectors	OUT	8.00	$1,043	$3,661	$0	$4,704
12010118	12 Zone FACP With Annun And Transmitter	EA	1.00	$8,001	$4,022	$0	$12,023
120103	TELEPHONE SYSTEMS						
12010302	27-Pair Telephone System	EA	1.00 *	$380	$523	$0	$904

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		UOM	Quantity	Material	Labor	Equipment	Total
			System Total :	$9,425	$8,206	$0	$17,631
13	EQUIPMENT						
1301	FIXED & MOVEABLE EQUIPMENT						
130109	WAREHOUSE EQUIPMENT						
13010901	Box Storage Shelving 1.02m x 1.22m 1.52m (3'4" X 4'0" X 5'0") High Pallets 1-	EA	24.00	$3,942	$4,110	$0	$8,052
			System Total :	$3,942	$4,110	$0	$8,052
			Facility Marked Up Cost :	$232,300	$260,415	$3,859	$496,574
Facility:	**Site Work**						
17	SITE PREPARATION						
1701	SITE CLEARING						
170101	CLEARING						
17010101	Light Brush W/O Grub, Clearing	ACRE	3.00	$0	$213	$271	$484
17010106	Heavy Brush, Light Trees, Clear, Grub, Haul	ACRE	0.56	$0	$1,441	$629	$2,070
17010107	Medium Brush, Medium Trees, Clear, Grub, Haul	ACRE	0.20	$0	$814	$341	$1,155
170102	TREE REMOVAL						
17010210	Clear Trees To 152.40mm (6") Dia W/D8 Cat	EA	30.00	$0	$60	$141	$200
170103	STUMP REMOVAL						
17010314	<= 152.40mm (6") Stump Removal, W/D8	EA	30.00	$0	$42	$98	$140
170105	GRUBBING						
17010501	Dozer 78.33 kW (105 HP) D5, Grubbing & Stacking	CY	242.00	$0	$541	$418	$959
1702	SITE DEMOLITION & RELOCATION						
170204	DEBRIS DISPOSAL						
17020401	Dump Charge	CY	24.33	$463	$0	$0	$463 *
1703	SITE EARTHWORK						
170301	GRADING						
17030102	Rough Grading, 0.0012 T (12G), 1 Pass	SY	2,255.00	$0	$548	$548	$1,096
17030103	Rough Grading, 0.0014 T (14G), 1 Pass	SY	1,422.22	$0	$518	$499	$1,017
17030105	Fine Grading, Hand	SY	134.00	$0	$306	$0	$306
17030107	Fine Grading, 0.012 T (120G), 2 Passes	SY	2,255.00	$0	$487	$426	$913
17030108	Fine Grading, 0.013 T (130G), 2 Passes	SY	644.44	$0	$139	$122	$261
170302	COMMON EXCAVATION & DISPOSAL						
17030202	Ditch Excavation, Normal Soil, Hauloff Spoil 1.61 km (1 Mile)	CY	250.00	$0	$619	$749	$1,368
17030203	Roadway Soil Excavation, W/Scraper, Load & Haul Spoil	CY	638.27	$0	$1,678	$2,172	$3,850
17030205	Curb/Sidewalk Excav & Bkfl, 27% Hauloff Spoil, 1.61 km (1 Mile)	CY	23.00	$0	$331	$197	$528
17030220	910, 0.96m3 (1.25 CY), Wheel Loader	HR	1.00	$0	$44	$28	$72
17030257	Cat 215, 0.76m3 (1 CY), Soil, Shallow, Trenching	CY	59.85	$0	$34	$20	$54
17030259	Cat 225, 1.15m3 (1.5 CY), Soil/Sand, Trenching	CY	227.52	$0	$94	$69	$163

17030284	6.12m3 (8 CY), Dump Truck	HR	2.00	$0	$71	$104	$176

Project Name: SATOC 1

Assembly Detail Report

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		UOM	Quantity	Material	Labor	Equipment	Total
Facility:	**Site Work**						
170304	FILL & BORROW						
17030401	950, 2.29m3 (3 CY), Backfill W/Excavated Material	CY	192.06	$0	$119	$163	$283
17030405	950, 2.29m3 (3 CY), Delivered & Dumped, Backfill W/Sand	CY	35.62	$1,076	$97	$119	$1,292
17030417	Delivered & Dumped - Hand, Backfill W/Sand	CY	13.00	$124	$277	$92	$493
170305	COMPACTION						
17030501	Compact Subgrade, 2 Lifts	CY	811.11	$0	$1,411	$122	$1,533
17030510	Dry Roll Gravel, Steel Roller	SY	2,066.67	$0	$1,199	$558	$1,757
17030511	Compact Soil W/Vibrating Plate	CY	205.06	$0	$312	$27	$339
17030515	Compact With Pogosticks	CY	66.95	$0	$541	$73	$613
		System Total :		$1,663	$11,938	$7,984	$21,585
18	SITE IMPROVEMENTS						
1801	ROADWAYS						
180101	BASES AND SUBBASES						
18010102	Gravel, Delivered & Dumped	CY	638.27	$12,603	$1,248	$997	$14,849
180102	DRAINS, INLETS, CURBS & GUTTERS						
18010202	Concrete Curb & Gutter, 152.40mm x 609.60mm (6" x 24"), Formed	LF	543.32	$8,700	$3,277	$0	$11,977
180103	PAVED SURFACES						
18010310	Prime Coat	SY	2,600.00	$981	$70	$32	$1,083
18010312	Asphalt Wearing Course,1 Pass (Line Item Incl 5% Waste)	TON	241.06	$9,477	$1,289	$683	$11,449
1802	PARKING LOTS						
180202	DRAINS, CURBS & GUTTERS						
18020205	609.60mm (24") Dia, 1.52m (5') Deep Precast Area Drain W/Grate	EA	3.00	$4,267	$3,907	$35	$8,209
180204	MARKING & SIGNAGE						
18020401	Parking Space Striping	EA	41.00	$158	$172	$44	$374
1803	WALKS, STEPS, RAMPS, & TERRACES						
180303	PAVED SURFACES						
18030301	Standard 101.60mm (4") Sidewalk W/Mesh, Formed	SF	800.00	$1,239	$1,971	$0	$3,210
1804	SITE DEVELOPMENT						
180401	FENCING & GATES						
18040105	Boundary Fence, 1.52m (5') Galv	LF	2,000.00	$2,971	$6,857	$2,819	$12,648
		System Total :		$40,397	$18,791	$4,610	$63,798
19	SITE CIVIL/MECHANICAL UTILITIES						
1901	WATER SUPPLY & DISTRIBUTION SYSTEMS						
190102	POTABLE WATER DISTRIBUTION						
19010211	152.40mm (6"), Class 150, PVC Piping	LF	200.00	$1,148	$1,463	$100	$2,711
1902	SANITARY SEWER SYSTEMS						

Project Name: SATOC 1

Assembly Detail Report

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		UOM	Quantity	Material	Labor	Equipment	Total
Facility:	**Site Work**						
19020127	203.20mm (8") PVC Pipe Sanitary	LF	200.00	$1,534	$1,143	$156	$2,832
1903	STORM SEWER SYSTEMS						
190301	STORM SEWER PIPING						
19030174	304.80mm (12") RCP, Class 4, With Gaskets	LF	118.90	$1,572	$1,523	$112	$3,207
19030176	457.20mm (18") RCP, Class 4, With Gaskets	LF	45.10	$807	$656	$48	$1,512
190304	CULVERTS						
19030402	10.36m (34') Complete, 609.60mm (24") CMP Culvert W/Headwalls	EA	1.00	$3,806	$2,277	$840	$6,922
		System Total :		$8,866	$7,062	$1,255	$17,183
20	SITE ELECTRICAL UTILITIES						
2002	EXTERIOR ELECTRICAL DISTRIBUTION						
200203	OVERHEAD ELECTRIC CONDUCTORS						
20020301	1/0 Acsr Conductor	LF	636.00	$143	$459	$42	$643
20020310	1/C #2 Alum, Bare, Wire	LF	282.00	$46	$196	$18	$260
200204	TOWERS, POLES, CROSSARMS & INSULATORS						
20020402	10.67m (35') Class 3 Treated Power Pole	EA	2.00	$560	$665	$126	$1,352
20020430	Terminal Structure, 5 KV Pole Top	EA	2.00	$2,813	$2,957	$359	$6,130
200205	UNDERGROUND ELECTRIC CONDUCTORS						
20020545	5 KV, 1/0 To 4/0 Conductor, Terminations & Splicing	EA	6.00	$2,714	$1,557	$0	$4,271
2003	EXTERIOR LIGHTING						
200399	OTHER AREA LIGHTING						
20039902	101.60mm (4") Rigid Steel Conduit	LF	35.00	$313	$343	$0	$656
		System Total :		$6,589	$6,177	$545	$13,311
		Facility Marked Up Cost :		$57,516	$43,968	$14,395	$115,878

Assembly Detail Report

	UOM	Quantity	Material	Labor	Equipment	Total
Total Facilities Marked Up Cost:			$289,816	$304,383	$18,254	$612,453

Project Marked Up Cost:		**$612,453**
Contingency	0.0 %	$0
SIOH	0.0 %	$0
Project Cost:		**$612,453**
Design/Indirect Cost:	0.0 %	$0
Total Project Cost:		**$612,453**

Construction Start 04/01/2006
Construction Midpoint: 08/01/2006
Construction End Date: 01/01/2007

Escalation Rate: 12.56% Based on Construction Midpoint

Database Version: Using Jan 2004 Cost Book
PACES Version: 6.0.3

* Indicates User Modified Value