

17 Mar 2006

Building Systems Design, Inc.
Fire Station Sample Project

11:52:42AM

Fire Station Sample Project

Project No. FS-2006-09

Designed By:

Building Systems Design, Inc.

Estimated By:

Building Systems Design, Inc.

Prepared By: Building Systems Design, Inc.

Preparation Date: 03/01/06

Effective Date of Pricing: 01/01/06

Est Construction Time: 240 Days

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PROJECT DESCRIPTION

This is a sample project, and should not be used for anything other than demonstration purposes. Below is an example of what might be included in your project notes.

The project consists of a new 1 story, 18,155 SF Fire Facility. Facility shall accommodate approximately 10 fire fighters per shift with kitchen, shower, and bunk room facilities. Facility shall include necessary site work to develop 5.0 acres and provide approximately 65 parking spaces.

BASIS OF ESTIMATE

This estimate was prepared from documents received from Architects as well as conversations with members of the design team. Any design and engineering changes and/or additions produced subsequent to these documents are not included in this estimate.

BASIS FOR PRICING

Pricing shown reflects probable construction costs obtainable in this area, on the date of this statement of probable costs. The intention of this estimate is to reflect fair market value for the construction of this project. It is not a prediction of low bid. Pricing is based upon costs obtained from the R.S. Means Assemblies database and Building Construction Cost Data database.

CONSTRUCTION SCHEDULE AND ESCALATION

The scheduled construction period for this project is approximately 11 months. Any costs for excessive overtime to meet stringent milestone dates are not included in this estimate. Prices included herein reflect current bid costs, therefore no escalation allowance has been added to the costs.

CONTRACTOR MARKUPS

Subcontractor markups have been included in each assembly and line item unit price. These markups cover the cost of overhead and profit for the installing contractor.

General Contractor's Overhead (consisting of job site general conditions and bond) is included at 10% of the Direct Costs, with the addition of 5% for Home Office Overhead and an additional 10% for Profit.

CONTINGENCIES

A 6.5% Design and Pricing Contingency has been added to cover a reasonable number of unknown requirements or design elements not anticipated or detailed at this stage of development. As the design develops further, this contingency will be reduced on subsequent estimates. At the final Construction Document phase estimate, it will be eliminated.

A 5% Construction Contingency has been added to this estimate, in order to anticipate change orders which occur after the project is under construction. The construction contingency is not part of the construction bid amount, however, it should be accounted for when establishing the total construction budget.

ITEMS EXCLUDED FROM THIS ESTIMATE

Items which are not in this estimate include, but are not limited to:

Impact Fees and Permits, Land acquisition and real estate fees, Professional design and consulting fees, Owner's field inspection costs, Testing fees, Owner furnished items and Owner move-in costs, Off-site work, Telephone equipment and cabling, Items marked on plans as N.I.C., Furniture

	Quantity	Unit Cost	Total Cost
FS-2006-09 Fire Station Sample Project			
1 FIRE STATION			
A SUBSTRUCTURE			
A10 FOUNDATIONS	18,155 SF	\$9.46	\$171,779
SUBTOTAL SUBSTRUCTURE	18,155 SF	\$9.46	\$171,779
B SHELL			
B10 SUPERSTRUCTURE	18,155 SF	\$10.19	\$185,024
B20 EXTERIOR CLOSURE	13,920 SF	\$27.50	\$382,810
B30 ROOFING	18,901 SF	\$4.75	\$89,798
SUBTOTAL SHELL	18,155 SF	\$36.22	\$657,632
C INTERIORS			
C10 INTERIOR CONSTRUCTION	18,155 SF	\$11.00	\$199,635
C30 INTERIOR FINISHES	18,155 SF	\$5.16	\$93,650
SUBTOTAL INTERIORS	18,155 SF	\$16.15	\$293,285
D SERVICES			
D20 PLUMBING	18,155 SF	\$7.54	\$136,852
D30 HVAC	18,155 SF	\$14.05	\$255,065
D40 FIRE PROTECTION	18,155 SF	\$1.27	\$23,033
D50 ELECTRICAL	18,155 SF	\$20.11	\$365,176
SUBTOTAL SERVICES	18,155 SF	\$42.97	\$780,126
SUBTOTAL FIRE STATION	18,155 SF	\$104.81	\$1,902,821
G SITEWORK			
G10 SITE PREPARATION			
1002 SITE DEMOLITION	5 ACR	\$2,182.60	\$10,913
1003 SITE EARTHWORK	5 ACR	\$14,691.43	\$73,457
SUBTOTAL SITE PREPARATION	5 ACR	\$16,874.03	\$84,370
G20 SITE IMPROVEMENTS			
2001 ROADWAYS	13,080 SY	\$10.27	\$134,355
2002 SITE DEVELOPMENT	5 ACR	\$10,356.23	\$51,781
2003 LANDSCAPING	5 ACR	\$13,826.44	\$69,132
SUBTOTAL SITE IMPROVEMENTS	5 ACR	\$51,053.68	\$255,268
SUBTOTAL SITEWORK	5 ACR	\$67,927.71	\$339,639
SUBTOTAL	18,155 SF	\$123.52	\$2,242,460
Contractor's Gen Requirements	10.0%	\$12.35	\$224,246
Contractor's Overhead	5.0%	\$6.79	\$123,335
Contractor's Profit	10.0%	\$14.27	\$259,004
SUBTOTAL	18,155 SF	\$156.93	\$2,849,045
Architect's Fees	6.5%	\$10.20	\$185,188
Contingency	5.0%	\$8.36	\$151,712

	Quantity	Unit Cost	Total Cost
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Fire Station Sample Project	18,155 SF	\$175.49	\$3,185,945
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		Quantity	Unit Cost	Total Cost
FS-2006-09 Fire Station Sample Project				
1 FIRE STATION				
A SUBSTRUCTURE				
A10 FOUNDATIONS				
1010 Standard Foundations				
1 Strip Footings				
A10101102700	Strip footing, load 11.1KLF, soil cap 6 KSF, 24"wide x 12"deep, reinf	580.00 LF	\$28.49	\$16,523
SUBTOTAL Strip Footings		580 LF	\$28.49	\$16,523
2 Spread Footings				
A10102107150	Spread ftgs,3000 PSI conc, load 50K, soil cap 3 KSF, 4'-6" sq x 12" d	20.00 EA	\$252.00	\$5,040
A10102107200	Spread ftgs,3000 PSI conc, load 50K, soil cap 6 KSF, 3'-0" sq x 12" d	15.00 EA	\$135.00	\$2,025
SUBTOTAL Spread Footings		35 EA	\$201.86	\$7,065
SUBTOTAL Standard Foundations		18,155 SF	\$1.30	\$23,588
1030 Slab on Grade				
1 4" Slab				
A10301202320	Slab on grade, 4" thick, industrial, reinforced	14,755.00 SF	\$7.49	\$110,566
SUBTOTAL 4" Slab		14,755 SF	\$7.49	\$110,566
2 8" Slab				
03Task00058	Add for Turndown	240.00 LF	\$10.00	\$2,400
A10301206800	Slab on grade, 8" thick, heavy industrial, reinforced	3,400.00 SF	\$10.36	\$35,225
SUBTOTAL 8" Slab		3,400 SF	\$11.07	\$37,625
SUBTOTAL Slab on Grade		18,155 SF	\$8.16	\$148,190
SUBTOTAL FOUNDATIONS		18,155 SF	\$9.46	\$171,779
SUBTOTAL SUBSTRUCTURE		18,155 SF	\$9.46	\$171,779
B SHELL				
B10 SUPERSTRUCTURE				
1010 Floor Construction				
1 Steel Columns				
051202605400	Columns, Struct Tubing, Rect, A500Grb, 7" To 10" Wide, Heavy Section	8,600.00 LB	\$1.24	\$10,643
SUBTOTAL Steel Columns		8,600 LB	\$1.24	\$10,643
SUBTOTAL Floor Construction		18,155 SF	\$0.59	\$10,643
1020 Roof Construction				
1 Steel Joists, Beams, & Deck On				
051206801300	Structural St Projs, Bolted, Inld Bldgs., 1 Story, Bms & Gir, St Brg	41.60 TON	\$2,442.43	\$101,605
052106000050	Open Web Joists, K Series, Horiz Bridging, Up To 30', Average	4.30 TON	\$1,904.60	\$8,190
052106002040	Open Web Joists, Lh Series, Bolted X-Brdg, Up To 96', Average	8.80 TON	\$1,988.51	\$17,499
053103002600	Metal Deck, Open, Galv, 1.5" Deep, 20 Ga, Under 50 Sq.	3,420.00 SF	\$2.34	\$7,988

		Quantity	Unit Cost	Total Cost
053103002650	Metal Decking, Open, Galv, 1.5" Deep, 22 Ga, 50-500 Squares	15,481.00 SF	\$1.94	\$29,999
05Task00115	Misc. Plates and Angles	7.00 TON	\$1,300.00	\$9,100
SUBTOTAL Steel Joists, Beams, & Deck On		18,901 SF	\$9.23	\$174,380
SUBTOTAL Roof Construction		18,901 SF	\$9.23	\$174,380
SUBTOTAL SUPERSTRUCTURE		18,155 SF	\$10.19	\$185,024
B20 EXTERIOR CLOSURE				
2010 Exterior Walls				
1 Brick Face Composite Wall				
B20101306920	Brk veneer/met stud bkup,roman face,25gax6"nlb stud,24" OC sp.com bnd	13.67 MSF	\$20,436.70	\$279,370
SUBTOTAL Brick Face Composite Wall		13,920 SF	\$20.07	\$279,370
2 Soffits				
054256500140	Lb Framing, Cont Soffit Ledger Track, Studs @ 16", 18 Ga X 6" Wide	100.00 LF	\$2.75	\$275
054256501140	Lb Framing, Horiz Soffit Members Matl Only, 18 Ga, 2" Flange X 6 " Deep	270.00 LF	\$1.60	\$433
092202001200	Stucco, Exterior Stucco, With Bonding Agent, 3 Coats, Ceilings	45.00 SY	\$13.48	\$607
099107001200	Siding, Stucco, Rough, Oil Base, Paint 2 Coats, Brushwork	400.00 SF	\$0.65	\$262
SUBTOTAL Soffits		390 SF	\$4.04	\$1,577
3 Exterior Louvers				
158506002020	Louvers, Alum, W/Scrn, Mill Fin, Ct&Mech Equip., Scrns, Std Wt	216.00 SF	\$43.66	\$9,430
SUBTOTAL Exterior Louvers		216 SF	\$43.66	\$9,430
SUBTOTAL Exterior Walls		13,920 SF	\$20.86	\$290,377
2020 Exterior Windows				
1 Windows & Glazed Walls				
08Task00137	Add for Insulated Glass	100.00 EA	\$10.00	\$1,000
B20201068300	Windows & glzd walls,al,picture unit,std gl,3'-4" x 5'-0"	100.00 EA	\$521.45	\$52,145
SUBTOTAL Windows & Glazed Walls		1,650 SF	\$32.21	\$53,145
SUBTOTAL Exterior Windows		1,650 SF	\$32.21	\$53,145
2030 Exterior Doors				
1 Wood, Steel & Aluminum Doors				
1 Hollow Metal Doors				
B20302203550	Dr,steel 18 ga,hol metal,1 dr w/fr,no label,4'-0" x 8'-0" opening	9.00 OPN	\$1,615.48	\$14,539
B20302204300	Dr,steel 18 ga,hol metal,2 dr w/fr,"A" lbl,8'-0" x 8'-0" opening	2.00 OPN	\$3,069.47	\$6,139
SUBTOTAL Hollow Metal Doors		11 EA	\$1,879.84	\$20,678
2 Aluminum Doors				
08Task00164	Add for Sidelights	4.00 EA	\$800.00	\$3,200
B20301107200	Dr,alum & gl,w/transom non-standard,hdwre,3'-0" x 10'-0" opening	1.00 OPN	\$1,886.44	\$1,886
B20301107250	Dr,alum & gl,w/transom,non-std dbl dr, hdwre,6'-0" x 10'-0" opng	1.00 OPN	\$3,772.87	\$3,773

		Quantity	Unit Cost	Total Cost
SUBTOTAL Aluminum Doors		2 EA	\$4,429.65	\$8,859
3 Overhead Doors				
B20302205350	Doors,steel,overhead,rolling fire rated,10'-0" x 10'-0" opening	4.00 OPN	\$2,437.76	\$9,751
SUBTOTAL Overhead Doors		4 EA	\$2,437.76	\$9,751
SUBTOTAL Wood, Steel & Aluminum Doors		17 EA	\$2,311.10	\$39,289
SUBTOTAL Exterior Doors		17 EA	\$2,311.10	\$39,289
SUBTOTAL EXTERIOR CLOSURE		13,920 SF	\$27.50	\$382,810
B30 ROOFING				
3010 Roof Coverings				
1 4-Ply Built Up				
061101002620	Blocking, Miscellaneous, To Wood Construction, 2" X 4"	1.10 MBF	\$2,967.42	\$3,264
071305001070	Membrane Waterproofing, Fiberglass Fabric, Black, 20/10 Mesh	40.00 SQ	\$16.72	\$669
07Task00194	Metal Box Collector	9.00 EA	\$350.00	\$3,150
B30101054300	Asph fl coat w/gvl:coal tar ptch w/gvl,4plies #15 tarred felt,mpd	18,901.00 SF	\$2.55	\$48,286
B30103200370	Rf dk rgd insul, fbgl and urethane cmpst,3'x4' shs,1-11/16"thk,R 11.1	18,901.00 SF	\$0.59	\$11,090
B30104201100	Roof edges,aluminum,mill finish .050" thick,6" face	986.00 LF	\$16.92	\$16,687
B30104300050	Flashing,aluminum,no backing sides,.032"	1,514.00 SF	\$3.83	\$5,804
B30106200250	Downspouts,aluminum,rectangular 3"x4",enameled,.024" thick	142.00 VLF	\$5.96	\$847
SUBTOTAL 4-Ply Built Up		18,901 SF	\$4.75	\$89,798
SUBTOTAL Roof Coverings		18,901 SF	\$4.75	\$89,798
SUBTOTAL ROOFING		18,901 SF	\$4.75	\$89,798
SUBTOTAL SHELL		18,155 SF	\$36.22	\$657,632
C INTERIORS				
C10 INTERIOR CONSTRUCTION				
1010 Partitions				
C10101022000	Conc blk partitions - regular weight,hollow,8" thick,none,0 sides	8,060.00 SF	\$7.16	\$57,697
C10101266250	Ptns/met,5/8"fr drwl f,5/8"fr drwl b,3-5/8"@24",5/8"fr opp f,3.5"fbgl	12,060.00 SF	\$4.54	\$54,718
SUBTOTAL Partitions		20,120 SF	\$5.59	\$112,415
1020 Interior Doors				
C10201221600	Wd dr/met fr,hol core/flush lauan face,2'-8"x6'-8",drwl KD fr,4-7/8"	6.00 EA	\$304.51	\$1,827
C10201300140	Dr/met frs,hol met material,20 gauge,1-3/4" thk,flush,3/0 7/0 (wxh)	30.00 EA	\$518.80	\$15,564
SUBTOTAL Interior Doors		38 EA	\$457.66	\$17,391
1030 Fittings				
1 Bathroom Specialties				
066208102300	Ssc, Acryl Polymer, 1-50 Lf, 25" W, Premium Patt Clr	16.00 LF	\$136.83	\$2,189
088301000200	Mirrors, No Frs, Wall Type, 1/4" Plate Gl, Polished Edge, Over 5 S.F.	58.00 SF	\$11.33	\$657

Building Systems Design, Inc.

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Estimate Detail

		Quantity	Unit Cost	Total Cost
101601007700	Partitions, Toilet, Urinal Screen, Flange Supported, Stainless Steel	3.00 EA	\$599.61	\$1,799
101851000100	Partitions, Shower, Cab, Incl. Base, No Door, Ptd St, 1" Thick Walls	2.00 EA	\$968.66	\$1,937
108101000200	Bathroom Accessories, Curtain Rod, Sst, 5' Long, 1" Dia	4.00 EA	\$62.41	\$250
108101000900	Bathroom Accessories, Grab Bar, Sst, Straight, 24" Long	8.00 EA	\$37.88	\$303
108101001100	Bathroom Accessories, Grab Bar, Straight, 1-1/4" Dia, Ss, 36" Long	11.00 EA	\$41.76	\$459
108101003200	Bathroom Accessories, Mir With Stainless Steel, 3/4" Sq Fr, 48" X 24"	4.00 EA	\$236.85	\$947
108101004200	Bathroom Accessories, Napkin/Tampon Dispenser, Recessed	1.00 EA	\$362.34	\$362
108101004300	Bathroom Accessories, Robe Hook, Single, Regular	7.00 EA	\$16.74	\$117
108101004600	Bathroom Accessories, Soap Disp, Chrome, Surf Mounted, Liquid	10.00 EA	\$68.16	\$682
108101005400	Bathroom Accessories, Soap Disp, Soap Tank, Stainless Steel, 5 G allon	7.00 EA	\$315.30	\$2,207
108101006200	Bathroom Accessories, Toilet Tissue Disp, Surf Mounted, Sst, Double Roll	10.00 EA	\$33.58	\$336
108101006800	Bathroom Accessories, Towel Dispenser, Sst, Flush Mounted, Recessed	3.00 EA	\$253.10	\$759
108101008000	Bathroom Accessories, Waste Recpts, Stainless Steel, With Top, 13 Gal	3.00 EA	\$275.44	\$826
C10301100460	Toilet partitions, cubicles, ceiling hung, stainless steel	6.00 LS	\$1,473.65	\$8,842
C10301100480	Toilet partitions, cubicles, ceiling hung, handicap addition	2.00 LS	\$421.40	\$843
SUBTOTAL Bathroom Specialties		1 LS		\$23,516
2 Building Specialties				
028408001300	Pipe Bollards, Steel, Concrete Filled/Painted, 8' L X 4' D Hole, 6" Diam.	4.00 EA	\$367.21	\$1,469
101102404500	Chalkboards, Wall Hung, Aluminum Frame And Chalktrough, 4' X 8'	3.00 EA	\$398.56	\$1,196
101209402120	Bulletin Board, Prefabricated, 1/4" Cork, 3' X 5' With Alumium Frame	2.00 EA	\$166.85	\$334
102652000100	Corner Guards, St Angle W/Anchors, 2" X 2" X 1/4" Angles, 3.2#/L.F.	800.00 LF	\$15.55	\$12,443
102652000800	Corner Guards, Pipe Bumper For Truck Doors, 8' Long, 6" Dia, Filled	4.00 EA	\$436.81	\$1,747
105055000120	Lockers, Steel, Baked Enamel, Single Tier Box, 18" X 15" X 72"	38.00 EA	\$240.70	\$9,147
105055000420	Lockers, Steel, Baked Enamel, Double Tier, 18" X 15" X 36"	60.00 EA	\$263.49	\$15,810
105252003100	Fire Equip Cabs, Not Equip, Hose Rack Assy, 24" X 40" X 5-1/2", Alum Door & Fr	2.00 EA	\$378.42	\$757
105253000180	Fire Extinguishers, Co2, W/Hose & "H" Horn, 20 Lb	5.00 EA	\$223.39	\$1,117
108101004100	Bathroom Accessories, Mop Holder Strip, Ss, 5 Holders, 48" Long	1.00 EA	\$108.27	\$108
111365001000	Projection Screens, Electric Operated, Matte White, 50 S.F., Deluxe	1.00 EA	\$2,185.74	\$2,186
SUBTOTAL Building Specialties		1 LS		\$46,312
SUBTOTAL Fittings		1 LS		\$69,829
SUBTOTAL INTERIOR CONSTRUCTION		18,155 SF	\$11.00	\$199,635
C30 INTERIOR FINISHES				
3010 Wall Finishes				

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Estimate Detail

		Quantity	Unit Cost	Total Cost
093101005400	Ceramic Tile, Walls, Interior, Thin Set, 4-1/4" X 4-1/4" Tile	2,024.00 SF	\$5.49	\$11,107
099109200240	Walls&Clgs,Conc/Dry WI/Plas,Oil Base,Prmr/Sealer Ct,Sm Fin, Roller	26,628.00 SF	\$0.31	\$8,308
099109202100	Walls&Clgs,Mas Or Conc Blk,Oil Base,Prmr Or Sealer Coat,Sm Fin,Brwk	6,906.00 SF	\$0.34	\$2,340
SUBTOTAL Wall Finishes		26,638 SF	\$0.82	\$21,756
3020 Floor Finishes				
027905000100	Running Track, Surface, Latex Rubber System, 3/8" Thick, Black	108.00 SY	\$14.87	\$1,606
03Task00295	Seal Concrete	2,547.00 SF	\$0.50	\$1,274
03Task00296	Stain Concrete - Color	3,157.00 SF	\$0.75	\$2,368
093101000700	Ceramic Tile, Cove Base, 4-1/4" X 4-1/4" High, Thin Set	316.00 LF	\$8.41	\$2,656
093101003100	Ceramic Tile, Flrs, N Clay, Random Or Uniform, Thn Set, Color Group 2	878.00 SF	\$7.64	\$6,709
096371000020	Slate Tile Vermont, 6" X 6" X 1/4" Thick, Thin Set	378.00 SF	\$7.99	\$3,018
096371000020	Slate Tile Vermont, 6" X 6" X 1/4" Thick, Thin Set - BASE	52.00 SF	\$7.99	\$415
096808000900	Carpet, Com Grs, Direct Cem, Nylon, Lvl Loop, 32 Oz., Medium Traffic	406.00 SY	\$30.34	\$12,317
09Task00293	Rubber Flooring	7,419.00 SF	\$5.00	\$37,095
09Task00294	Rubber Base	3,696.00 LF	\$1.20	\$4,435
SUBTOTAL Floor Finishes		18,155 SF	\$3.96	\$71,894
SUBTOTAL INTERIOR FINISHES		18,155 SF	\$5.16	\$93,650
SUBTOTAL INTERIORS		18,155 SF	\$16.15	\$293,285
D SERVICES				
D20 PLUMBING				
15Task00297	Plumbing	1.00 LS	\$136,852.00	\$136,852
SUBTOTAL PLUMBING		18,155 SF	\$7.54	\$136,852
D30 HVAC				
15Task00298	HVAC	1.00 LS	\$255,065.00	\$255,065
SUBTOTAL HVAC		18,155 SF	\$14.05	\$255,065
D40 FIRE PROTECTION				
4010 Sprinklers				
15Task00299	Sprinkler System	1.00 LS	\$23,033.00	\$23,033
SUBTOTAL Sprinklers		18,155 SF	\$1.27	\$23,033
SUBTOTAL FIRE PROTECTION		18,155 SF	\$1.27	\$23,033
D50 ELECTRICAL				
16Task00300	Electrical	1.00 LS	\$365,176.00	\$365,176
SUBTOTAL ELECTRICAL		18,155 SF	\$20.11	\$365,176
SUBTOTAL SERVICES		18,155 SF	\$42.97	\$780,126
SUBTOTAL FIRE STATION		18,155 SF	\$104.81	\$1,902,821
G SITEWORK				
G10 SITE PREPARATION				
1002 SITE DEMOLITION				

Estimate Detail

		Quantity	Unit Cost	Total Cost
Task00062	Remove and Relocate Signs	2.00 EA	\$500.00	\$1,000
Task00063	Relocate Existing Telephone Poles	2.00 EA	\$1,500.00	\$3,000
Task00064	Relocate Traffic Box	1.00 EA	\$250.00	\$250
Task00065	Relocate Phone Box	1.00 EA	\$1,000.00	\$1,000
Task00066	Demolition of Existing Pavement	91.00 SY	\$5.00	\$455
Task00067	Demolition of Storm Sewer	26.00 LF	\$8.00	\$208
Task00068	Disposal of Demolition material	1.00 LS	\$5,000.00	\$5,000
SUBTOTAL SITE DEMOLITION		5 ACR	\$2,182.60	\$10,913
1003 SITE EARTHWORK				
011077000400	Surveying, Lot Location And Lines, Maximum, For Small Quantities	5.00 ACR	\$1,846.99	\$9,235
020601500900	Borrow, Buy&Ld At Pit, Spread W/200 Hp Dozer, For 5 Mi Haul, Add	4,661.00 CY	\$4.02	\$18,731
022301000250	Clear & Grub, Medium, Trees To 12" Diam., Grub Stumps And Remove	5.00 ACR	\$2,750.50	\$13,752
022305001100	Stripping, Strip Topsoil, Clay, Med Hard, 300 Hp Dozer, Adverse Condn	4,106.00 CY	\$1.62	\$6,652
023151101300	Backfill, Dozer Backfilling, Bulk, Up To 300' Haul, No C ompaction	12,450.00 CY	\$1.25	\$15,580
023154324020	Excavating, Bulk, Dozer, 200 Hp, 50' Haul, Common Earth	7,788.00 CY	\$1.22	\$9,508
SUBTOTAL SITE EARTHWORK		5 ACR	\$14,691.43	\$73,457
SUBTOTAL SITE PREPARATION		5 ACR	\$16,874.03	\$84,370
G20 SITE IMPROVEMENTS				
2001 ROADWAYS				
1 Paving and Surfacing				
022203600010	Saw Cutting, Asphalt, Up To 3" Deep	849.00 LF	\$1.10	\$937
023104400010	Fine Grade Area To Be Paved With Grader, Small Area	13,080.00 SY	\$2.78	\$36,395
G2020210160	Parking lot, 90< angle parking, 4" bituminous paving, 10" gravel base	65.00 CAR	\$793.22	\$51,559
SUBTOTAL Paving and Surfacing		13,080 SY	\$6.80	\$88,892
2 Curbs & Gutters				
027703000410	Curb, Conc, Steel Forms, 6" X 18", Straight	4,764.00 LF	\$7.21	\$34,360
02Task00085	Concrete Flume (complete)	1.00 EA	\$1,000.00	\$1,000
SUBTOTAL Curbs & Gutters		4,764 LF	\$7.42	\$35,360
3 Markings and Signage				
027603000200	Lines On Pvmt, Acrylic Waterborne, White Or Yellow, 6" Wide	164.00 LF	\$0.37	\$61
027603000620	Painting Lines, On Pavement, Arrows Or Gore Lines	5,342.00 SF	\$1.65	\$8,822
027665500010	Lines On Pvmt, Acrylic Waterborne, White Or Yellow, 4" Wide	4,938.00 LF	\$0.25	\$1,219
SUBTOTAL Markings and Signage		13,080 SY	\$0.77	\$10,103
SUBTOTAL ROADWAYS		13,080 SY	\$10.27	\$134,355
2002 SITE DEVELOPMENT				
1 Flagpoles				
103554000400	Flagpole, Alum, Tapered, Ground Set 35' High, No Base Or Fndtn	2.00 EA	\$2,114.46	\$4,229
103554007400	Flagpole, Fndtns For Flagpoles, Incl, Excav And Conc, To 35' Hi Poles	2.00 EA	\$661.83	\$1,324

Building Systems Design, Inc.

17 Mar 2006

Fire Station Sample Project

11:52:43AM

Estimate Detail

	Quantity	Unit Cost	Total Cost
SUBTOTAL Flagpoles	2 EA	\$2,776.29	\$5,553
2 Fences and Gates			
028201300920 Fence, 8' H, 6 Ga. Wire, 2-1/2" Line Post, Galv St	632.00 LF	\$37.46	\$23,677
028201305080 Fence, Double Swing Gates, 8' High, 12' Opening	1.00 OPN	\$2,032.76	\$2,033
SUBTOTAL Fences and Gates	632 LF	\$40.68	\$25,710
3 Signs			
02Task00095 Directional Signage	11.00 EA	\$750.00	\$8,250
02Task00096 Entrance Signage	2.00 EA	\$2,500.00	\$5,000
SUBTOTAL Signs	13 EA	\$1,019.23	\$13,250
4 Erosion Control			
023705500010 Erosion Control, Jute Mesh, 100 Sy Per Roll, 4' Wide, Stapled	3,391.00 SY	\$1.06	\$3,607
023707001000 Erosion Control, Silt Fence, Polypropylene, 3' High, Ideal Conditions	4,162.00 LF	\$0.74	\$3,076
023707001250 Erosion Control, Hay Bales, Staked	216.00 LF	\$2.71	\$586
SUBTOTAL Erosion Control	3,391 SY	\$2.14	\$7,269
SUBTOTAL SITE DEVELOPMENT	5 ACR	\$10,356.23	\$51,781
2003 LANDSCAPING			
1 Soil Preparation and Plants			
029203100100 Seeding, Mechanical Seeding, 44 Lb./M.S.Y	10,823.00 SY	\$0.38	\$4,132
02Task00103 Planting Allowance	1.00 LS	\$50,000.00	\$50,000
SUBTOTAL Soil Preparation and Plants	10,823 SY	\$5.00	\$54,132
2 Irrigation System			
02Task00104 Irrigation Allowance	1.00 LS	\$15,000.00	\$15,000
SUBTOTAL Irrigation System	10,823 SY	\$1.39	\$15,000
SUBTOTAL LANDSCAPING	5 ACR	\$13,826.44	\$69,132
SUBTOTAL SITE IMPROVEMENTS	5 ACR	\$51,053.68	\$255,268
SUBTOTAL SITEWORK	5 ACR	\$67,927.71	\$339,639
SUBTOTAL	18,155 SF	\$123.52	\$2,242,460
Contractor's Gen Requirements	10.0%	\$12.35	\$224,246
Contractor's Overhead	5.0%	\$6.79	\$123,335
Contractor's Profit	10.0%	\$14.27	\$259,004
SUBTOTAL	18,155 SF	\$156.93	\$2,849,045
Architect's Fees	6.5%	\$10.20	\$185,188
Contingency	5.0%	\$8.36	\$151,712
Fire Station Sample Project	18,155 SF	\$175.49	\$3,185,945

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