



CONSTRUCTION COST ENGINEERING OF BOSTON

Hampden Fire Station Add/Reno Estimate			25 0208
First Floor Area New const.	5,862 sf		
Second Floor Area New	1,949 sf		
Existing Renovation area	4,717 sf		
Total floor area	12,348 sf		
12348 SF	Fire Stations	Last Updated	
Year 2025	Cost File 2025 BOSTON UNION AVERA	4/11/2025 11:08:25 AM	

Description	Quantity	Unit	Unit Cost	Extended Cost
-------------	----------	------	-----------	---------------

01 General Requirements

01 00 00 General Requirements

General superintendent	60	WEEK	4700.00	282,000
Asst. superintendent	60	WEEK	4600.00	276,000

01 00 00 General Requirements 558,000

01 30 00 Administrative Requirements

Scheduling, progress cpm	1	EA	1150.00	1,150
Scheduling, cpm, update	20	EA	287.50	5,750
Survey, 3 man crew, line & grade	3	DAY	2875.75	8,627
Additional drawings	5	JOB	287.50	1,438
Drawings, shop/product data sheets	10	SET	288.91	2,889

01 30 00 Administrative Requirements 19,854

01 31 00 Project Management and Coordination

Insurance, 1%	80000	JOB	1.00	80,000
---------------	-------	-----	------	--------

01 31 00 Project Management and Coordination 80,000

01 50 00 Temporary Facilities and Controls

Temporary heat, 24 hrs day, per wk	123.48	CSFFLR	41.49	5,124
Temporary electric, power/lights	14	MONTH	460.00	6,440
Rough hardware	1	JOB	402.50	403
Project sign, 4' x 8' x 1 7/8"	1	EA	1382.12	1,382
Barrier, plywood on 2"x4"frame 4'	100	LF	31.83	3,183
Temporary fire, protection	1	JOB	575.00	575
Telephone, general clerk use	14	MONTH	287.50	4,025

01 General Requirements

Description	Quantity	Unit	Unit Cost	Extended Cost
Telephone,dedicated f/fax	14	MONTH	287.50	4,025
Dumpster rental/pick up	24	picks	690.00	16,560
Cleaning general, site	300	HR	25.30	7,591
01 50 00	Temporary Facilities and Controls			49,307

01 52 13 Field Offices and Sheds

Storage trailer, 28'x10'	14	MONTH	115.00	1,610
Office trailer, furnished, 36'x8'	14	Mo.	276.00	3,864
01 52 13	Field Offices and Sheds			5,474

01 60 00 Product Requirements

Toilet, portable chemical, rent	28	MONTH	103.50	2,898
Equipment rentals, misc	1	JOB	4600.00	4,600
Scissor lift,25' high, 1000 lb. capacity w/o operator	40	DAY	132.00	5,280
01 60 00	Product Requirements			12,778

01 70 00 Execution and Closeout Requirements

Clean-up, final	0.5	WEEK	10121.41	5,061
Punchlist, survey/check	2	WEEK	6148.01	12,296
Cleaning windows, helper	32	EA	18.10	579
01 70 00	Execution and Closeout Requirements			17,936

02 Existing Conditions**02 05 00 Common Work Results for Existing Cond**

Demo gutting, existing	4717	SF	4.23	19,939
02 05 00	Common Work Results for Existing Cond			19,939

02 50 00 Site Remediation

Strip & stockpile loam	156	CY	10.51	1,639
Clear & grade site	0.7	ACRE	3459.85	2,422
02 50 00	Site Remediation			4,061

02 82 13 Asbestos Abatement

Asbestos removal, ceilings acoust.	2650	SF	5.09	13,487
------------------------------------	------	----	------	--------

02 Existing Conditions

Description	Quantity	Unit	Unit Cost	Extended Cost
Asbestos removal, vat floors	2650	SF	5.09	13,487
02 82 13	Asbestos Abatement			26,973

03 Concrete**03 05 05 Selective Demolition for Concrete**

Demo slab, on grade	4717	SF	9.30	43,851
03 05 05	Selective Demolition for Concrete			43,851

03 10 00 Concrete Forming and Accessories

Expansion joint, bit.fiber, 1/2"x6"	288	LF	3.91	1,126
Anchor bolts, 5/8" @ 24" oc	136	EA	27.06	3,681
03 10 00	Concrete Forming and Accessories			4,807

03 20 00 Concrete Reinforcing

Welded wire fabric, 6x6-w1.4xw1.4 @ sidewalk	15	CSF	107.23	1,608
Reinforcing, 100#/cy Foundations	10	TON	1530.83	15,308
Reinforcing, 8" slabs #5 12" oc each way 2.08#/sf	0.6	TON	1530.83	918
Welded wire fabric, 6x6-w2.9xw2.9 @ 5" slab	45.76	CSF	141.05	6,454
Reinforcing, 8" apron #5 12" oc each way 2.08#/sf	9	TON	1530.83	13,777
03 20 00	Concrete Reinforcing			38,067

03 30 00 Cast-in-Place Concrete

Finishing floor, steeltrowel	5682	SF	2.19	12,455
Concrete, sealer, hardener&dustprf	576	SF	0.69	396
Concrete, housekeeping pads	4	EA	461.81	1,847
Concrete in place, piers, 24"x24	5.6	CY	786.76	4,406
Finishing, broom finish sidewalks	5260	SF	2.03	10,676
Conc. fixed platforms	4	EA	2615.39	10,462
Conc in place, stripfoot f/shearwall	32	CY	380.40	12,173
Concrete in place, stripfoot f/cmu haunch	8.2	CY	361.64	2,965
Conc. emergency generator pad/xfmr	4	CY	303.15	1,213
Concrete in place, ground slab, 5"	4576	SF	5.69	26,032
Concrete in place, ground slab, 8"	576	SF	7.05	4,061

03 Concrete

Description	Quantity	Unit	Unit Cost	Extended Cost
Concrete in place, approach slab, 8" x 50' wide	5250	SF	7.83	41,133
Finishing, broom finish approach apron slab	5250	SF	2.03	10,656
Concrete in place, approach slab thickened edge, 24"x12"	23	CY	443.59	10,203
Concrete in place, grade wall 12"x4'	64.5	CY	849.12	54,768
Concrete in place, grade wall 16"x4'	21.28	CY	849.12	18,069
Concrete in place, stripfoot 2'w x12"	25.8	CY	361.64	9,330
Concrete in place, stripfoot 3'w x12"	12	CY	361.64	4,340
Concrete in place, spread footings 3x3x1 (4)	1.34	CY	566.87	760
Ardex floor leveling & Moisture Mitigation	4717	SF	2.58	12,192
Concrete in place, ground slab, 5"water service	230	SF	5.69	1,308

03 30 00 Cast-In-Place Concrete**249,444****03 81 00 Concrete Cutting**

Saw cut, conc slab, per 1" deep CJ	238	LF	3.55	845
------------------------------------	-----	----	------	-----

03 81 00 Concrete Cutting**845****04 Masonry****04 01 00 Maintenance of Masonry**

Grinding, mortar joints 1/2" deep	7600	LF	3.51	26,648
Pointing, brick, hard mortar and repair	1900	SF	16.95	32,196

04 01 00 Maintenance of Masonry**58,844****04 05 05 Selective Demolition for Masonry**

Toothng masonry, brick,hard mortar	200	VLF	42.73	8,547
------------------------------------	-----	-----	-------	-------

04 05 05 Selective Demolition for Masonry**8,547****04 05 23 Masonry Accessories**

Joint reinforcing, #5 bars vertical	100	LB	2.86	286
Lintels, steel angles, galv.	360	LB	1.15	414
Control joint, pvc 4" wall	28	LF	4.81	135
Grouting, cmu cores, 8" thick	692	SF	7.52	5,204
Grouting, door frames	3	OPNG	125.86	378
Joint reinforcing, #4bar horizontal	300	LB	3.18	955

04 Masonry

Description	Quantity	Unit	Unit Cost	Extended Cost
Staging, 2 use per month	1385	SF	1.79	2,485
Control joint, pvc 4" wall	70	LF	4.81	337
Forklift, w/ operator	10	DAY	64.19	642
Weep Vent Inserts	32	EA	1.85	59
Mortar Dropping Collection Device 2"	88	LF	3.91	344
Wall ties, brickveneer, pintle wall ties 16ga, 1.77/sf	24.5	C	153.45	3,760
Control joint, pvc 8" wall	70	LF	5.66	396
04 05 23	Masonry Accessories			15,394

04 05 23.16 Masonry Embedded Flashing

Drip Edge, stainless steel, 4"	44	LF	10.65	469
Membrane flashing thru wall	44	LF	10.62	467
04 05 23.16	Masonry Embedded Flashing			936

04 20 00 Unit Masonry

Brick, window sills, 4.5/lf 8" wide	96	LF	35.09	3,368
04 20 00	Unit Masonry			3,368

04 21 13 Brick Masonry

Brick, soldier course, 6.75/sf	200	lf	39.99	7,998
04 21 13	Brick Masonry			7,998

04 21 13.13 Brick Veneer Masonry

Brick veneer, Waterstruck \$1,115/m 6.86/sf (2.625" h x 3.625" w 7.625" l) w/ 3/8" joints	6200	SF	16.19	100,389
04 21 13.13	Brick Veneer Masonry			100,389

04 22 00 Concrete Unit Masonry

Cmu, partition, 8" thick	168	SF	19.30	3,242
Cmu, bond beam, 8"thick	200	LF	24.29	4,858
Cmu, lintel, 8"x16"x8"	36	LF	35.69	1,285
Cmu, back up, 8"thick	1385	SF	18.46	25,564
Cmu, partition, 8" thick water service	230	SF	19.30	4,439
Cmu, bond beam, 8"thick water service	46	LF	24.29	1,117
04 22 00	Concrete Unit Masonry			40,505

05 Metals

Description	Quantity	Unit	Unit Cost	Extended Cost
-------------	----------	------	-----------	---------------

05 Metals**05 10 00 Structural Metal Framing**

S steel lt ga framing roof 6#/sf	33	TON	7055.56	232,834
Structural steel connections 10%	8	TON	7055.56	56,444
Seismic plates, 3/16"	2	TON	7055.56	14,111
Structural steel framing mezz 6#/sf	3	TON	7055.56	21,167
Structural steel, columns	25	TON	6654.94	166,374
Structural steel framing 2nd floor 6#/sf	13	TON	7055.56	91,722
Seismic clips, 3x3x1/4	137	EA	62.12	8,510

05 10 00	Structural Metal Framing			591,162
-----------------	---------------------------------	--	--	----------------

05 30 00 Metal Decking

Metal decking, edge closureform18ga	252	LF	6.18	1,557
Metal deck, slab form, 24 ga, 1" c60	7327	SF	2.27	16,633
Metal deck, open, 26 ga 2nd floor	4350	SF	3.70	16,108

05 30 00	Metal Decking			34,298
-----------------	----------------------	--	--	---------------

05 50 00 Metal Fabrications

Stair, metal pan 4w,w/cement fill12' h w/19 risers	1	FLIGHT	5875.41	5,875
Railing, center 3 pipe, 1-1/4" w/1/2" pickets	45	LF	64.63	2,908
Misc metals, allowance	1	LS	23000.00	23,000
Railing, wall mounted 1 1/4" diam.	45	LF	34.64	1,559
Ladder, steel,bolted to wall	24	VLF	169.97	4,079
Guard rail gate 3'-6" removeable system	55.34	LF	66.93	3,704

05 50 00	Metal Fabrications			41,126
-----------------	---------------------------	--	--	---------------

06 Wood, Plastics, and Composites**06 05 23 Wood, Plastic, and Composite Fastening**

Joist hanger, 2"x12	104	EA	8.31	865
Simpson strong ties a25 roof rafter tie	200	EA	6.67	1,333

06 05 23	Wood, Plastic, and Composite Fastenings			2,198
-----------------	--	--	--	--------------

06 Wood, Plastics, and Composites

Description	Quantity	Unit	Unit Cost	Extended Cost
06 11 00 Wood Framing				
Framing, floor joists, 2"x12" attic	2	MBF	1846.30	3,693
Sill sealer	170	LF	6.44	1,094
Labor only, carpenter	40	DAY	1229.60	49,184
Blocking, wood 2"xs	3	MBF	6912.57	20,738
Framing, studs, 2"x6", 10' wall	2	MBF	3129.37	6,259
Framing, Partitions, 2"x4",	4	MBF	3367.63	13,471
Framing, joists, 2"x10	10.12	MBF	2476.93	25,066
Framing, joists, 2"x12 flat roof	1.82	MBF	2347.93	4,273
06 11 00 Wood Framing				123,777

06 16 00 Sheathing				
Sheathing, wall, 1/2" plywood	4725	SF	6.37	30,085
Forklift, w/ operator	10	DAY	1540.51	15,405
Sheathing, roof, 3/4" cdx plywood sloped	6937	SF	2.87	19,944
Sheathing, roof, 3/4" cdx plywood flat	578	SF	2.87	1,662
06 16 00 Sheathing				67,096

06 16 23 Subflooring				
Sub floor, plywood cdx, 3/4 2nd floor	1949	SF	2.71	5,287
06 16 23 Subflooring				5,287

06 17 53 Shop-Fabricated Wood Trusses				
Roof truss,	7631	SFFLR	4.24	32,342
06 17 53 Shop-Fabricated Wood Trusses				32,342

06 20 00 Finish Carpentry				
Molding, exterior, trim 1"x10"	1000	LF	5.62	5,624
Molding, window	22	OPNG	245.18	5,394
06 20 00 Finish Carpentry				11,018

06 40 00 Architectural Woodwork				
Corian, counter top	15	LF	73.89	1,108
Hardwood window sill	96	LF	15.10	1,449
Wood veneer kitchen base cabinets	15	LF	283.34	4,250

06 Wood, Plastics, and Composites

Description	Quantity	Unit	Unit Cost	Extended Cost
Wood veneer kitchen wall cabinets	15	LF	225.84	3,388
Casework, wall cabinet	8	LF	233.98	1,872
Casework, counter top & base cabinet	8	LF	325.98	2,608
Allowance, millwork	1	LSUM	23000.00	23,000
06 40 00	Architectural Woodwork			37,675

06 43 13 Wood Stairs

Stairs 16 risers to attic	1	Flight	3959.20	3,959
06 43 13	Wood Stairs			3,959

06 65 00 Plastic Trim

PVC exterior trim Azek, 1 x 8"	400	LF	8.91	3,563
PVC exterior trim Azek, 1 x 10" soffit	300	LF	9.64	2,893
PVC exterior trim Azek, 1 x 10" fascia	300	LF	9.64	2,893
Roof soffit vent, metal	300	LF	10.99	3,297
06 65 00	Plastic Trim			12,647

07 Thermal and Moisture Protection**07 05 05 Selective Demolition for Thermal and Moisture Protection**

Demo roof, shingles, asphalt	4717	SF	0.99	4,677
07 05 05	Selective Demolition for Thermal and Moisture Protection			4,677

07 10 00 Dampproofing and Waterproofing

Building paper, asphalt, 2 ply #15	106	SQ	36.31	3,849
Vapor barrier, stego 15 mil	48.19	SQ	52.30	2,520
07 10 00	Dampproofing and Waterproofing			6,369

07 20 00 Thermal Protection

Rigid wall insulation, 2"	1385	SF	2.23	3,084
07 20 00	Thermal Protection			3,084

07 21 16 Blanket Insulation

Insulation, fiberglass kraft face 6" x 15	2340	SF	1.26	2,944
Insulation, fiberglass kraft face 9" x 15	5498	SF	1.66	9,115

07 Thermal and Moisture Protection

Description	Quantity	Unit	Unit Cost	Extended Cost
07 21 16	Blanket Insulation			12,060
07 22 00	Roof and Deck Insulation			
Rigid floor insulation, 1-1/2", perm.	2400	SF	1.88	4,521
Roof deck insul, rigid, polyiso, 5 1/2" tapered	578	SF	4.52	2,615
Roof deck coverboard, iso 1/2	578	SF	1.50	865
Zip Panels w/ insul	2940	SF	8.00	23,520
07 22 00	Roof and Deck Insulation			31,521
07 27 00	Air Barriers			
Ice & water, shield f/eaves, valley	6937	SF	0.70	4,825
Ice & water, windows	1152	SF	0.70	801
07 27 00	Air Barriers			5,626
07 31 13	Asphalt Shingles			
Ridge, asphalt	114	LF	27.41	3,124
Hip, asphalt	84	LF	38.90	3,268
Shingles, asphalt, prem c, 300-385	69.37	SQ	743.02	51,543
Ridge vent, roof	114	LF	10.99	1,253
07 31 13	Asphalt Shingles			59,188
07 50 00	Membrane Roofing			
Membrane, epdm, 55 mil, flat	1000	SF	8.05	8,053
07 50 00	Membrane Roofing			8,053
07 60 00	Flashing and Sheet Metal			
Downspouts, alum enam, .024" 3"x4"	100	LF	11.79	1,179
Flashing, alum, step 5"x7"	144	LF	3.30	475
Gutters, alum. 6", box .027"	152	LF	14.29	2,171
Membrane flashing thru wall	108	LF	10.62	1,147
Flashing, aluminum, mill fin .019" thick	2000	SF	10.68	21,365
Coping/wall cap, aluminum	65	LF	14.75	959
Gravel stop, aluminum, 8" h, paint	62	LF	18.03	1,118
07 60 00	Flashing and Sheet Metal			28,415
07 72 53	Snow Guards			

07 Thermal and Moisture Protection

Description	Quantity	Unit	Unit Cost	Extended Cost
Continuous Snow Guards	124	LF	14.26	1,768
07 72 53	Snow Guards			1,768

07 90 00 Joint Protection

Caulking, backer rod polyeth. 1/2"	1000	LF	2.97	2,968
Caulking, butyl 1/2"x1/2" 77lf/gal	1000	LF	5.69	5,693
Acoustical caulking	1000	LF	2.97	2,968
07 90 00	Joint Protection			11,629

07 95 00 Expansion Control

Expansion cover, assemb.flr/wall al	70	LF	47.11	3,298
07 95 00	Expansion Control			3,298

08 Openings**08 10 00 Doors and Frames**

Wood doors	28	EA	453.21	12,690
08 10 00	Doors and Frames			12,690

08 11 00 Metal Doors and Frames

H.m. frame	28	EA	235.52	6,595
H.m. door, 1-3/4", 3'-0" x7'-0"	4	EA	467.96	1,872
08 11 00	Metal Doors and Frames			8,466

08 30 00 Specialty Doors and Frames

Overhead door, 12' x 12'	3	EA	9221.20	27,664
Overhead door, 14' x 14'	2	EA	12119.20	24,238
Overhead door, elec. operator	5	EA	1833.35	9,167
08 30 00	Specialty Doors and Frames			61,069

08 53 13 Vinyl Windows

Vinyl Windows, 4'-2" x 7'	12	EA	1258.56	15,103
Vinyl Windows, 3'-6" x 5'-2"	10	EA	1373.56	13,736
08 53 13	Vinyl Windows			28,838

08 Openings

Description	Quantity	Unit	Unit Cost	Extended Cost
08 70 00 Hardware				
Finish hardware	28	SET	173.78	4,866
08 70 00 Hardware				4,866
08 80 00 Glazing				
Borrowed lights, tempered, 1/2"	10	SF	60.35	604
Service sliding window tempered, 1/2"	2	ea	843.07	1,686
08 80 00 Glazing				2,290
08 90 00 Louvers and Vents				
Louvers, alum., w/screen	20	SF	72.98	1,460
08 90 00 Louvers and Vents				1,460

09 Finishes

09 20 00 Plaster and Gypsum Board				
Part. drywall, 5/8" w/m stud 1f sgl exterior wall	3200	SF	9.69	31,014
Part. drywall, 5/8" w/met. stud sgl	3500	SF	9.97	34,907
Partition, chase wall	360	SF	13.62	4,904
Gwb ceilings	1949	SF	2.72	5,310
Part. drywall, 5/8" w/metal stud sgl colm surrounds	16	ea	1344.60	21,514
Drywall, gypsum, 5/8" on walls t&f	2500	SF	3.18	7,962
09 20 00 Plaster and Gypsum Board				105,611
09 22 00 Supports for Plaster and Gypsum Board				
Suspension system, grid, 24"o.c.	7631	SF	2.79	21,286
09 22 00 Supports for Plaster and Gypsum Board				21,286
09 30 00 Tiling				
Ceramic tile, cove base, 4-1/2"sq,ts	100	LF	30.63	3,063
Ceramic tile, floor,	325	SF	17.01	5,528
Ceramic tile, wainscott walls	400	SF	16.49	6,597
09 30 00 Tiling				15,188

09 Finishes

Description	Quantity	Unit	Unit Cost	Extended Cost
09 50 00 Ceilings				
Ceiling boards, 5/8"t 2'x2'	3187	SF	3.99	12,725
09 50 00 Ceilings				12,725
09 60 00 Flooring				
Rubber cove base, 4"	700	LF	4.84	3,387
Resilient, vct 12"x12" 1/8"t	2789	SF	4.17	11,626
Carpet, tile	204	SY	38.26	7,805
Sports floor	150	SF	15.92	2,388
Epoxy Resinous floor Apparatus Bay	1	LS	26076.00	26,076
09 60 00 Flooring				51,281
09 65 13.23 Resilient Stair Treads and Risers				
Stair treads, rubber 12" wide 1/4	50	LF	24.57	1,228
Stair landings, rubber 1/8" thick	10	SF	16.88	169
09 65 13.23 Resilient Stair Treads and Risers				1,397
09 81 00 Acoustic Insulation				
Sound attenuation, blanket 3"	3550	SF	1.90	6,756
09 81 00 Acoustic Insulation				6,756
09 90 00 Painting and Coating				
Paint, extdoor&fram 3x7,primer+2cts	4	EA	206.07	824
Paint, inter.wall primer+2 cts brsh	13000	SF	2.62	34,057
Paint, ceilings apparatus room	4500	SF	3.20	14,383
Paint, int door/frame 2coat,w/brush	33	EA	101.63	3,354
Paint, stairways, oil, 2c w/brush	1	FLT	1183.21	1,183
Paint, metal bollards	12	ea	90.18	1,082
Paint, trim over 6", exterior	800	LF	6.38	5,104
09 90 00 Painting and Coating				59,988

10 Specialties**10 13 00 Directories**

Signage, building interior/exterior	1	LSUM	4325.00	4,325
-------------------------------------	---	------	---------	-------

10 Specialties

Description	Quantity	Unit	Unit Cost	Extended Cost
10 13 00	Directories			4,325
10 28 00	Toilet, Bath, and Laundry Accessories			
Bathroom accessories	1	LSUM	3000.00	3,000
10 28 00	Toilet, Bath, and Laundry Accessories			3,000
10 44 00	Fire Protection Specialties			
Fire extinguisher, all purpose, 10#	4	EA	92.74	371
Fire extinguisher, cabinet, alum	4	EA	314.70	1,259
10 44 00	Fire Protection Specialties			1,630

21 Fire Suppression**21 10 00 Water-Based Fire-Suppression Systems**

20,000 Gallon Fire Cistern	2	EA	31133.65	62,267
21 10 00	Water-Based Fire-Suppression Systems			62,267

21 11 00 Facility Fire-Suppression Water-Service

Sprinkler system, new	7631	SF	8.05	61,430
Sprinkler system, existing	4717	SF	6.90	32,547
21 11 00	Facility Fire-Suppression Water-Service Pipi			93,977

22 Plumbing**22 14 26.19 Facility Trench Drains**

Trench cover, c.i. 18" wide (2)	20	LF	98.82	1,976
Trench drain, f.g. 18" wide, maintenance area	20	LF	79.27	1,585
22 14 26.19	Facility Trench Drains			3,562

22 30 00 Plumbing Equipment

Plumbing, new	7631	SF	38.24	291,790
Plumbing, existing	4717	SF	24.03	113,373
22 30 00	Plumbing Equipment			405,163

23 Heating, Ventilating, and Air Conditioning (HVAC)

Description	Quantity	Unit	Unit Cost	Extended Cost
-------------	----------	------	-----------	---------------

23 Heating, Ventilating, and Air Conditioning (HVAC)**23 50 00 Central Heating Equipment**

H.v.a.c., existing	4717	SF	33.25	156,840
H.v.a.c., new	7631	SF	65.55	500,212

23 50 00	Central Heating Equipment			657,052
-----------------	----------------------------------	--	--	----------------

26 Electrical**26 00 00 Electrical**

Electrical	12348	SF	71.01	876,862
------------	-------	----	-------	---------

26 00 00	Electrical			876,862
-----------------	-------------------	--	--	----------------

31 Earthwork**31 11 00 Clearing and Grubbing**

Clear & grade site	1.25	ACRE	4013.43	5,017
--------------------	------	------	---------	-------

31 11 00	Clearing and Grubbing			5,017
-----------------	------------------------------	--	--	--------------

31 22 16 Fine Grading

Grading, fine,3 passes w/mtr grader	583	SY	2.06	1,203
Grading, rough,by hand sog	4819	SF	0.75	3,613

31 22 16	Fine Grading			4,816
-----------------	---------------------	--	--	--------------

31 23 16 Excavation

Excavation, hyd.execavtor/backfill	154	CY	13.01	2,004
Fill, gravel,12"deep,under flr slab	7631	SF	1.62	12,336
Excavation, trench,4'deep,w/backhoe	100	CY	17.95	1,795
Borrow, crushed stone 3/4" 4" thk. Paver base	66	CY	36.57	2,414
Excavating, trench f/pipe under s.o.g.	150	LF	10.12	1,518
Excavation, structural w/hyd. exvtr	335	CY	22.06	7,389
Compaction, walkbehind vibratroller sog	535	SY	0.68	363

31 Earthwork

Description	Quantity	Unit	Unit Cost	Extended Cost
Pipe bedding /trench stone 3/4	100	CY	36.32	3,632
Excavating, trench f/pipe under s.o.g.	300	LF	10.12	3,036
31 23 16	Excavation			34,486

32 Exterior Improvements**32 10 00 Bases, Ballasts, and Paving**

North Road Driveway Relocation	1	Allow	37031.00	37,031
32 10 00	Bases, Ballasts, and Paving			37,031

32 12 16 Asphalt Paving

Bitum., paving, wearing course 1.5"	2164	SY	12.20	26,396
Paint, parking stall,white	15	STALL	8.78	132
Paint, stripping arrows and hc symbols	100	SF	8.13	813
Basecourse, bank run gravel, 6"deep sidewalk	167	SY	3.87	647
Basecourse, bank run gravel,12"deep roads, parking,apron	583	SY	7.10	4,141
Paint, parking stall,white HC	1	STALL	13.65	14
Paint, arrows,thermoplastic	100	SF	12.23	1,223
32 12 16	Asphalt Paving			33,365

32 16 00 Curbs, Gutters, Sidewalks, and Driveway

Curbs, precast concrete	250	LF	21.34	5,336
Sidewalk, concrete 4" thicik	1500	SF	7.89	11,842
32 16 00	Curbs, Gutters, Sidewalks, and Driveways			17,178

32 17 26 Tactile Warning Surfacing

Detectable/tactile warning surface tactile warning strips 2'	20	lf	166.11	3,322
32 17 26	Tactile Warning Surfacing			3,322

32 39 13 Manufactured Metal Bollards

Bollards, pipe concrete filled 8" diam	12	EA	846.34	10,156
32 39 13	Manufactured Metal Bollards			10,156

33 Utilities

Description	Quantity	Unit	Unit Cost	Extended Cost
-------------	----------	------	-----------	---------------

33 Utilities**33 10 00 Water Utilities**

Water Utilities Allowance	1	EA	40250.00	40,250
---------------------------	---	----	----------	--------

33 10 00 Water Utilities				40,250
---------------------------------	--	--	--	---------------

33 34 13 Septic Tanks

Septic system	1	ALLOW	86250.00	86,250
---------------	---	-------	----------	--------

33 34 13 Septic Tanks				86,250
------------------------------	--	--	--	---------------

33 40 00 Stormwater Utilities

Stormwater Utilities Allowance	1	EA	55775.00	55,775
--------------------------------	---	----	----------	--------

33 40 00 Stormwater Utilities				55,775
--------------------------------------	--	--	--	---------------

33 52 16.13 Steel Natural Gas Piping

Pipe, steel, 6" gas service	1	Allow	10000.00	10,000
-----------------------------	---	-------	----------	--------

33 52 16.13 Steel Natural Gas Piping				10,000
---	--	--	--	---------------

33 71 00 Electrical Utility Transmission and Distrib

Electrical transmission and distrabution	1	Allow	30000.00	30,000
--	---	-------	----------	--------

33 71 00 Electrical Utility Transmission and Distributio				30,000
---	--	--	--	---------------

Sub Total			5,374,987	435.29 / SF
Profit	10 %		537,499	
Bond	2 %		107,500	
Contingency	9 %		483,749	
Grand Total			6,503,735	526.70 / SF