

Public Safety Building Option A

raise roof over apparatus bay 8 ft - 3200 sf of area

Assembly	Description	Quantity	Units	Project Costs	Total Costs
Roof	demo roof	3200	sf roof	\$ 2.65	\$ 8,480.00
	new roof structure	3200	sf roof	\$ 8.00	\$ 25,600.00
	roofing - asphalt shingle	3200	sf roof	\$ 3.50	\$ 11,200.00
Interior Renovations	walls, doors and finishes new and existing	3200	sf floor	\$ 37.00	\$ 118,400.00
	no new plumbing fixtures				\$ -
Estimate					\$ 163,680.00
Project Costs 15%					\$ 24,552.00
Cost Estimate Total					\$ 188,232.00

Public Safety Building Option B

new apparatus bay - 4875 sf 75x65 280 lf wall 3920 sf wall
interior renovations - 1600 sf @ \$40/sf = 64,000

Assembly	Description	Quantity	Units	Project Costs	Total Costs
A Sub-Structure					
Standard Foundations	concrete and spread footings	4825	sf ground	\$ 3.29	\$ 15,874.25
Slab on grade	8 inch heavy industrial	2600	sf slab	\$ 14.35	\$ 37,310.00
	4 inch reinforced	2275	sf slab	\$ 5.18	\$ 11,784.50
Excavations	site prep, excavation and backfill	4825	sf floor	\$ 1.52	\$ 7,334.00
Foundation walls	4 foot frost walls	280	lf wall	\$ 75.00	\$ 21,000.00
A Sub-Structure Sub-Total					\$ 93,302.75
B Shell					
B10 Superstructure					
Roof Construction	wood truss	4825	sf roof	\$ 7.75	\$ 37,393.75
B20 Exterior Walls	face brick with block backup	3920	sf wall	\$ 18.17	\$ 71,226.40
Windows	aluminum insulated (15sf each)	4	each	\$ 858.00	\$ 3,432.00
Doors	Exterior exit doors	2	each	\$ 1,900.00	\$ 3,800.00
	OH bay doors	4	each	\$ 7,800.00	\$ 31,200.00
B30 Roof	Asphalt Shingle	4825	sf roof	\$ 3.37	\$ 16,260.25
B Shell Sub-Total					\$ 163,312.40
C Interiors					
Partitions	Metal stud and drywall - 80 sf floor/LF partition	240	sf wall	\$ 5.65	\$ 1,356.00
Interior Doors	hollow metal door and frame 3x7	3	each	\$ 1,200.00	\$ 3,600.00
Wall Finishes	paint sf of interior wall	2400	sf wall	\$ 2.49	\$ 5,976.00
Ceiling Finishes	paint in apparatus bay	1600	sf ceiling	\$ 1.92	\$ 3,072.00
Floor Finishes	Apparatus bay sealed concrete	4825	sf floor	\$ 1.52	\$ 7,334.00
C Interiors Sub-Total					\$ 21,338.00

D Services						
D30	HVAC	Terminal package units	4825	sf floor	\$ 18.75	\$ 90,468.75
D40	Fire Protection	Wet pipe	4825	sf floor	\$ 3.75	\$ 18,093.75
D50	Electrical	lighting and power	4825	sf floor	\$ 1.64	\$ 7,913.00
		fire alarm and emergency	4825	sf floor	\$ 6.75	\$ 32,568.75
D Services Sub-Total						\$ 149,044.25

E Equipment and Furnishings						
E Equipment and Furnishings Sub-Total						\$ -

G Sitework						
	Site work	parking and site work 28% of building cost	4825	sf floor	\$ 35.43	\$ 170,949.75
G Site Work Sub-Total						\$ 170,949.75

Cost Sub-Total	\$	597,947.15
Contingency 10%	\$	59,794.72
Project Costs 10%	\$	59,794.72
Cost Estimate Total	\$	717,536.58

Public Safety Building Option C

new construction 12,480 sf fire station building 9,100 sf first floor, 3380 second floor
140x65 perimeter 710 lf exterior wall 8,520 sf wall

Assembly	Description	Quantity	Units	Project Costs	Total Costs
A Sub-Structure					
Standard Foundations	concrete and spread footings	9100	sf ground	\$ 3.29	\$ 29,939.00
Slab on grade	8 inch heavy industrial	4225	sf slab	\$ 14.35	\$ 60,628.75
	4 inch reinforced	3380	sf slab	\$ 5.18	\$ 17,508.40
Excavations	site prep, excavation and backfill	9100	sf floor	\$ 1.52	\$ 13,832.00
Foundation walls	4 foot frost walls	710	lf wall	\$ 75.00	\$ 53,250.00
A Sub-Structure Sub-Total					\$ 175,158.15

B Shell						
B10	Superstructure					
	Floor Construction	metal joist and concrete	3380	sf floor	\$ 12.69	\$ 42,892.20
	Roof Construction	wood truss	9100	sf roof	\$ 7.75	\$ 70,525.00
B20	Exterior Walls	face brick with block backup	8520	sf wall	\$ 18.17	\$ 154,808.40
	Windows	aluminum insulated (15sf each)	16	each	\$ 858.00	\$ 13,728.00
	Doors	Exterior exit doors	6	each	\$ 1,900.00	\$ 11,400.00
		OH bay doors	7	each	\$ 7,800.00	\$ 54,600.00
B30	Roof	Asphalt Shingle	9100	sf roof	\$ 3.37	\$ 30,667.00
		Misc roof	9100	sf roof	\$ 0.88	\$ 8,008.00
B Shell Sub-Total					\$ 386,628.60	

C Interiors

Partitions	Metal stud and drywall - 100 sf floor/LF partition	1497	sf wall	\$ 5.65	\$ 8,458.05
Interior Doors	hollow metal door and frame 3x7	24	each	\$ 1,200.00	\$ 28,800.00
Interior Windows	hollow metal with tempered glass 3x4	16	each	\$ 350.00	\$ 5,600.00
Stairs	2 exit stairs CIP with landing	2	per flight	\$ 6,500.00	\$ 13,000.00
Wall Finishes	paint sf of interior wall	1497	sf wall	\$ 2.49	\$ 3,727.53
Ceiling Finishes	ACT in offices	7600	sf ceiling	\$ 6.86	\$ 52,136.00
	paint in apparatus bay	4800	sf ceiling	\$ 1.92	\$ 9,216.00
Floor Finishes	Office 50% carpet and 50% resilient	7600	sf floor	\$ 4.90	\$ 37,240.00
	Apparatus bay sealed concrete	4800	sf floor	\$ 1.52	\$ 7,296.00
Misc	allowance for fittings and other interior finishes	12480	sf floor	\$ 1.65	\$ 20,592.00
C Interiors Sub-Total					\$ 186,065.58

D Services

D20	Plumbing	1 fixture per 500 sf floor domestic water and drain	48	each	\$ 3,890.00	\$ 186,720.00
			12480	sf floor	\$ 2.95	\$ 36,816.00
D30	HVAC	Terminal package units	12480	sf floor	\$ 23.40	\$ 292,032.00
D40	Fire Protection	Wet pipe in office areas	7600	sf floor	\$ 3.75	\$ 28,500.00
D50	Electrical	electrical building service	12480	sf floor	\$ 1.64	\$ 20,467.20
		lighting and power	12480	sf floor	\$ 6.75	\$ 84,240.00
		fire alarm and emergency	12480	sf floor	\$ 1.92	\$ 23,961.60
D Services Sub-Total					\$ 672,736.80	

E Equipment and Furnishings

Allowance		12480	sf floor	\$ 12.00	\$ 149,760.00
E Equipment and Furnishings Sub-Total					\$ 149,760.00

G Sitework

Site work	parking and site work 8% of building cost	12480	sf floor	\$ 34.51	\$ 430,684.80
G Site Work Sub-Total					\$ 430,684.80

Cost Sub-Total \$ 2,001,033.93

Contingency 15% \$ 300,155.09

Project Costs 20% \$ 400,206.79

Cost Estimate Total \$ 2,701,395.81

Police Renovations Renovate existing building 12000 sf floor \$ 45.00 \$ 540,000.00

\$ 3,241,395.81

Public Safety Building

Option D

Police Station

new construction 14,000 sf building 2 story building with 12 foot story height
100x70 perimeter 240 lf exterior wall 6,240 sf wall

Assembly	Description	Quantity	Units	Project Costs	Total Costs	
A Sub-Structure						
	Standard Foundations	concrete and spread footings	7000	sf ground	\$ 2.82	\$ 19,740.00
	Slab on grade	4 inch reinforced	7000	sf slab	\$ 5.18	\$ 36,260.00
	Excavations	site prep, excavation and backfill	7000	sf floor	\$ 1.52	\$ 10,640.00
	Foundation walls	4 foot frost walls	240	lf wall	\$ 79.00	\$ 18,960.00
A Sub-Structure Sub-Total						\$ 85,600.00
B Shell						
B10	Superstructure					
	Floor Construction	metal joist and concrete	7000	sf floor	\$ 12.00	\$ 84,000.00
	Roof Construction	wood truss	7000	sf roof	\$ 7.75	\$ 54,250.00
B20	Exterior Walls	face brick with block backup	6240	sf wall	\$ 18.17	\$ 113,380.80
	Windows	aluminum insulated (15sf each)	40	each	\$ 858.00	\$ 34,320.00
	Doors	Exterior exit doors	8	each	\$ 1,900.00	\$ 15,200.00
		OH bay doors	2	each	\$ 7,800.00	\$ 15,600.00
B30	Roof	Asphalt Shingle	7000	sf roof	\$ 3.37	\$ 23,590.00
		Misc roof	7000	sf roof	\$ 0.88	\$ 6,160.00
B Shell Sub-Total						\$ 346,500.80
C Interiors						
	Partitions	Metal stud and drywall - 20 sf floor/LF partition	8400	sf wall	\$ 5.65	\$ 47,460.00
	Interior Doors	hollow metal door and frame 3x7	70	each	\$ 1,200.00	\$ 84,000.00
	Interior Windows	hollow metal with tempered glass 3x4	35	each	\$ 350.00	\$ 12,250.00
	Stairs	2 exit stairs CIP with landing	4	per flight	\$ 6,500.00	\$ 26,000.00
	Wall Finishes	paint sf of interior wall	8400	sf wall	\$ 2.49	\$ 20,916.00
	Ceiling Finishes	ACT in offices	14000	sf ceiling	\$ 6.86	\$ 96,040.00
	Floor Finishes	Office 50% carpet and 50% resilient	14000	sf floor	\$ 4.90	\$ 68,600.00
		Apparatus bay sealed concrete	600	sf floor	\$ 1.52	\$ 912.00
	Misc	allowance for fittings and other interior finishes	14000	sf floor	\$ 1.65	\$ 23,100.00
C Interiors Sub-Total						\$ 379,278.00
D Services						
D20	Plumbing	1 fixture per 500 sf floor	28	each	\$ 3,890.00	\$ 108,920.00
		domestic water and drain	14000	sf floor	\$ 2.95	\$ 41,300.00
D30	HVAC	multi-zone heating and cooling	14000	sf floor	\$ 22.25	\$ 311,500.00
D40	Fire Protection	wet pipe sprinkler	14000	sf floor	\$ 3.85	\$ 53,900.00
D50	Electrical	electrical building service	14000	sf floor	\$ 2.06	\$ 28,840.00
		lighting and power	14000	sf floor	\$ 12.00	\$ 168,000.00
		fire alarm and emergency	14000	sf floor	\$ 7.13	\$ 99,820.00
D Services Sub-Total						\$ 812,280.00
E Equipment and Furnishings						
	Allowance		14000	sf floor	\$ 18.50	\$ 259,000.00
E Equipment and Furnishings Sub-Total						\$ 259,000.00

G Sitework

Site work	G/P 2010 estimate increased for inflation				\$ 1,715,840.00
				G Site Work Sub-Total	\$ 1,715,840.00

Cost Sub-Total \$ 3,598,498.80

Contingency 15% \$ 539,774.82

Project Costs 20% \$ 719,699.76

Cost Estimate Total \$ 4,857,973.38

Fire Dept Renovate existing building	12000 sf floor	\$ 45.00	\$ 540,000.00
Apparatus Bay Addition	4000 sf floor	\$ 120.00	\$ 480,000.00
			\$ 5,397,973.38

Public Safety Building**Option E** (added November 7, 2014)

new apparatus bay - 3840 sf 48x80 176 lf wall 5136 sf wall

interior renovations - 1800 sf 1st and 1600 sf 2nd - total 3400 sf

Assembly	Description	Quantity	Units	Project Costs	Total Costs
Existing Building					
Roof	demo roof	3260	sf roof	\$ 2.65	\$ 8,639.00
Interior Renovations	walls, doors and finishes new and existing no new plumbing fixtures	3400	sf floor	\$ 37.00	\$ 125,800.00
					\$ -
				Estimate	\$ 134,439.00

A Sub-Structure

Standard Foundations	concrete and spread footings	3840	sf ground	\$ 3.29	\$ 12,633.60
Slab on grade	8 inch heavy industrial 4 inch reinforced	3840	sf slab	\$ 14.35	\$ 55,104.00
		0	sf slab	\$ 5.18	\$ -
Excavations	site prep, excavation and backfill	3840	sf floor	\$ 1.52	\$ 5,836.80
Foundation walls	4 foot frost walls	176	lf wall	\$ 75.00	\$ 13,200.00
				A Sub-Structure Sub-Total	\$ 86,774.40

B Shell

B10	Superstructure Roof Construction	wood truss	6880	sf roof	\$ 7.75	\$ 53,320.00
B20	Exterior Walls	face brick with block backup	5136	sf wall	\$ 18.17	\$ 93,321.12
	Windows	aluminum insulated (15sf each)	28	each	\$ 858.00	\$ 24,024.00
	Doors	Exterior exit doors	2	each	\$ 1,900.00	\$ 3,800.00
		OH bay doors	8	each	\$ 7,800.00	\$ 62,400.00
B30	Roof	Asphalt Shingle	6880	sf roof	\$ 3.37	\$ 23,185.60
				B Shell Sub-Total	\$ 260,050.72	

C Interiors

Partitions	Metal stud and drywall - 80 sf floor area/LF partition excluding apparatus bay hollow metal door and frame 3x7 (1/320sf floor area)	1260	sf wall	\$ 5.65	\$ 7,119.00
Interior Doors		32	each	\$ 1,200.00	\$ 38,400.00
Wall Finishes	paint sf of interior wall (10ft walls)	1260	sf wall	\$ 2.49	\$ 3,137.40
Ceiling Finishes	paint in apparatus bay	3840	sf ceiling	\$ 1.92	\$ 7,372.80
Floor Finishes	Apparatus bay sealed concrete	3840	sf floor	\$ 1.52	\$ 5,836.80
C Interiors Sub-Total					\$ 61,866.00

D Services

D30 HVAC	Terminal package units	10140	sf floor	\$ 18.75	\$ 190,125.00
D40 Fire Protection	Wet pipe	10140	sf floor	\$ 3.75	\$ 38,025.00
D50 Electrical	lighting and power	10140	sf floor	\$ 1.64	\$ 16,629.60
	fire alarm and emergency	10140	sf floor	\$ 6.75	\$ 68,445.00
D Services Sub-Total					\$ 313,224.60

E Equipment and Furnishings

E Equipment and Furnishings Sub-Total \$ -

G Sitework

Site work	parking and site work estimated costs	10140	sf floor	\$ 18.60	\$ 188,604.00
G Site Work Sub-Total					\$ 188,604.00

Cost Sub-Total \$ 1,044,958.72

Contingency 10% \$ 104,495.87

Project Costs 10% \$ 104,495.87

Cost Estimate Total \$ 1,253,950.46