

Harrisburg Area Community College **OPTION B** **PHASE 1**

Shumaker Public Safety Center

NEW CONSTRUCTION - POTENTIAL COSTS

						Potential Const Costs
			\$/SF	Quantity	Unit Cost	
1	Law Enforcement Complex Building					
2	Building Construction					
3	General Construction	84	47,563			\$3,995,292
4	Mechanical Construction	21	47,563			\$998,823
5	Plumbing Construction	8	47,563			\$380,504
6	Electrical Construction	18	47,563			\$856,134
7	Fire Protection	3	47,563			\$142,689
8	Subsurface Foundation System					
9	Caissons or Equivalent System	7	47,563			\$332,941
10	Subtotal	141				\$6,706,383
11	Sustainable Design			4%		\$268,255
12	Specialty Construction					
13	Bi Directional Target System			20	\$4,800	\$96,000
14	Range Control System			2	\$9,500	\$19,000
15	Portable Targets & Controls			2	\$12,500	\$25,000
16	Miscellaneous Props			2	\$10,000	\$20,000
17	Full Bullet Trap System			1	\$400,000	\$400,000
18	Tactical Baffle System			1	\$725,000	\$725,000
19	Acoustical Wall Treatments			Lump Sum	\$90,000	\$90,000
20	Sound System			Lump Sum	\$3,000	\$3,000
21	Speakers			Lump Sum	\$1,800	\$1,800
22	Smoke Generators			6	\$1,500	\$9,000
23	Subtotal					\$1,388,800
24	Law Enforcement Complex Subtotal	\$176				\$8,363,438
25						
26	6- Story Training Tower Renovation					
27	Building Construction					
28	General Building Remediation					\$80,000
29	Repelling Anchors					\$12,500
30	Interior Breach Props					\$10,000
31	Smoke Generator Units					\$10,800
32	Breach Prop Doors					\$18,000
33	Confined Space Shaft					\$5,000
34	Interior Maze Panel System					\$25,000
35	Sound System & Speakers					\$7,500
36	Interactive Lights for Training					\$10,000
37	Subtotal					\$178,800
38						
39	Existing Building Renovations					
40	General Renovations	6	41,833	33%		\$82,829
41	(Finish Upgrades, Paint, Ceilings)					
42	Remodel Breakroom into Mock ER			Lump Sum	\$50,000	
43	Kitchen Addition	160	1,600			\$0
44	Cafeteria Addition	160	3,000			\$0
45	Kitchen Equipment (Allowance)			Lump Sum	\$300,000	\$0
46	Subtotal					\$82,829
47						
48	Building-Only Potential Construction Costs					\$8,625,068
49						
50	General Site Improvements					
51	E&S Controls					\$20,750
52	Site Demolition					\$196,020
53	Earthwork and Excavation					\$195,506
54	Pavement and Associated Improvements					\$1,055,290

55		Demolition of Existing Range and Construction of New Parking				\$0
56		150 Parking Spaces				
57		Concrete Sidewalk to Campus				\$0
58		Pavement Path to Existing Campus				\$0
59		Water Distribution				\$38,700
60		Pump House Improvements & Expansion				\$100,000
61		Sanitary Sewer				\$6,000
62		Stormwater Management				\$455,975
63		Landscaping				\$25,000
64		Site Lighting				\$39,600
65		Subtotal				\$2,132,841
66		Mobilization, Bonding, Traffic Control, Testing	8%			\$170,627
67						
68		Site Training Elements				
69		Training Tower Addition to Existing Smoke Building				\$0
70		Flashover Simulator & Prep				\$60,000
71		Existing Burn Building (Extensive Upgrades)				\$100,000
72		Existing Smoke Building (Extensive Upgrades)				\$100,000
73		Car Extrication				\$25,000
74		F.L.A.G. Area Training Props				\$50,000
75		Pole Barn Storage Building				\$0
76		Street & Directional Signage				\$15,000
77		Exterior Street & Building Lighting				\$25,000
78		Confined Space Prop				\$45,000
79		Trench Rescue Prop				\$65,000
80		Exterior Propane Tanks for Props				\$10,000
81		Subtotal				\$495,000
82						
83		Site Development Total				\$2,798,468
84						
85		Potential Construction-Only Subtotal				\$11,423,536
86						
87		5% Design (Scope) Contingency				\$571,177
88						
89		Potential Construction Costs				\$11,994,713
90						
91		Potential Soft Costs	19%			\$2,278,995
92						
93		Potential Total Project Costs				\$14,273,708