

LAWRENCE COUNTY SHERIFF'S OFFICE & JAIL
Deadwood, South Dakota

DRAFT FOR SCOPE REVIEW

Schematic Design Document Opinion Of Probable Cost - Rev # 5

SUMMARY

BASE BID:

Building Hard Construction Cost	76,188	GSF	\$	495.39	\$	37,742,807
						\$ 37,742,807

Cost saving items listed below are not included in the "Building Hard Cost" listed above and are only included for owners consideration.

VE Item #1 - Eliminate Loop Road Width Expansion				<i>Deduct</i>	\$	(204,790)
VE Item #2 - Make Gun Range an Alternate				<i>Deduct</i>	\$	(1,008,411)
VE Item #3 - Make Courts an Alternate				<i>Deduct</i>	\$	(1,056,373)
VE Item #4 - Eliminate 4 Offices				<i>Deduct</i>	\$	(103,967)
VE Item #5 - Reduce Sallyport				<i>Deduct</i>	\$	(149,340)
VE Item #6 - Revise Transitional Housing From Steel Cells to Dayroom				<i>Deduct</i>	\$	(340,802)
VE Item #7 - Eliminate Steel Cells from Dayroom				<i>Deduct</i>	\$	(272,642)
VE Item #8 - Masonry Intake Holding Cells in lieu of Steel Cells				<i>Deduct</i>		
VE Item #9 - Masonry Transitional Housing Cells in lieu of Steel Cells				<i>Deduct</i>		
VE Item #10 - Roof Top Units in lieu of indoor central units				<i>Deduct</i>	\$	(330,000)
VE Item #11 - Masonry general housing cell in lieu of steel cells				<i>Deduct</i>		
VE Totals (if all items listed above are selected)					\$	(3,466,326)

ALTERNATES:

Alt Item #1 - Extend Loop Road				<i>Add</i>	\$	78,976
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CLARIFICATIONS & QUALIFICATIONS:

The schematic design document opinion of probable cost is based on drawings and narratives prepared by the office of Elevatus Architecture received June 16th, 2021 and discussions with the design team staff. The estimate also incorporates value engineering items discussed and approved by the design team. The estimate is predicated on typical market conditions for an institutional project located in western South Dakota and assumes the receipt of four or more competitive bids from qualified contractors for multiple trade packages through an agency construction manager. The estimate is predicated upon the receipt of multiple bids from prime trade packages with appropriate

levels of competition at the subcontract and materials vendor levels. Single or limited source selection of prime or major sub contractors, materials, equipment or systems packages will adversely impact the estimate. After a maximum of four months, the estimate should be updated to reflect current market conditions.

The estimate is based on current information, and the scope should be reviewed to ensure that our interpretation of the drawings and other information is correct.

The cost estimate should be updated as the design evolves and is completed.

The cost estimate represents our opinion of probable construction cost for this project.

We have exercised due professional diligence in the preparation of the estimate; and, since we have no control over final design decisions, contractor and vendor bidding strategies and market conditions, no guarantee is given or implied with the estimate.

The Estimate Excludes:

Professional fees, testing, financing and other Owner's soft costs,
Furnishings and equipment other than those shown in the body of the estimate,
Hazardous material removal and abatement,
Premium costs for extended shift or overtime work,
Utilities companies connection/service charges
Construction contingencies,
Building permits,
Builder's risk insurance.

LAWRENCE COUNTY SHERIFF'S OFFICE & JAIL
Deadwood, South Dakota

DRAFT FOR SCOPE REVIEW

GSF 76,188

Schematic Design Document Opinion Of Probable Cost - Rev # 4

New Jail Building

			System Cost/GSF	System Cost
Substructure	6.16%	\$	25.66	1,954,604
Structural Frame	7.27%	\$	30.27	2,306,152
Roofing	3.62%	\$	15.09	1,149,629
Exterior Walls	6.02%	\$	25.06	1,909,616
Interior Subdivision	8.00%	\$	33.30	2,537,083
Vertical Circulation	0.17%	\$	0.69	52,442
Wall Finishes	1.54%	\$	6.41	488,138
Floor Finishes	0.84%	\$	3.51	267,324
Ceiling Finishes	0.82%	\$	3.42	260,603
Specialties	0.64%	\$	2.68	203,841
Casework	0.21%	\$	0.89	67,962
Equipment	30.36%	\$	126.42	9,631,772
Security/Surveillance Equipment				Included Above
Fire Protection	1.47%	\$	6.12	466,453
Plumbing	5.26%	\$	21.92	1,670,013
HVAC	9.62%	\$	40.04	3,050,781
Electrical (Excluding Security/Surveillance Systems)	9.76%	\$	40.65	3,097,110
Site Development	7.24%	\$	30.15	2,297,187
	99.01%	\$	412.28	31,410,712
Contractor's Performance & Payment Bonds	1.00%			
Trade Contractor General Conditions				Included Where Applicable
	0.99%	\$	4.12	314,107
SUB TOTAL CONSTRUCTION COST	100.00%	\$	416.40	31,724,819
Design Contingency	5.00%	\$	20.82	1,586,241
Escalation/Bid Market Contingency	4.00%	\$	17.49	1,332,442
SUB TOTAL CONSTRUCTION COST	109.20%	\$	454.71	34,643,502
CM General Conditions/General Requirements		\$	26.25	2,000,000
CM Fee	3.00%	\$	14.43	1,099,305
TOTAL CONSTRUCTION COSTS		\$	495.39	37,742,807

SUBSTRUCTURE

Continuous Wall Footings:

Concrete wall footings	310	CY	179.27	55,573
Formwork to wall footings	4,118	LF	4.33	17,814
Reinforcing steel	7	TON	3,151.42	22,060

Concrete Foundation Walls:

Concrete foundation walls	267	CY	183.96	49,117
Formwork to concrete foundation walls	11,824	SF	10.21	120,691
Form masonry bearing ledge	1,478	LF	12.60	18,618
Reinforcing steel	13	TON	2,861.87	37,204

Concrete Column Bases & Piers:

Concrete column bases	102	CY	218.20	22,256
Formwork to concrete column bases	2,200	SF	10.60	23,315
Concrete piers	13	CY	218.20	2,837
Formwork to piers	673	SF	10.60	7,132
Reinforcing steel	4	TON	3,151.42	12,606

Masonry Foundation Walls:

Grouted masonry foundation walls - 8" thick	3,522	SF	19.36	68,200
Reinforcing steel	1,233	LBS	1.08	1,333

Slab On Grade:

Concrete slab on grade - 4/6"	886	CY	204.08	180,819
Secondary slab at book in desk - 4"				Included
Slab thickenings	125	CY	204.08	25,511
Slab forming, finishing and curing	70,482	SF	2.53	178,587
Premium for heavy broom finish	5,754	SF	0.82	4,741
Add for sloped floor	5,754	SF	3.09	17,780
Form/pour steps	12	LF	32.04	385
Form depressed slab	57	LF	9.24	527
Form/pour trench drain	597	LF	26.27	15,680
Welded wire mesh	75,750	SF	0.71	53,836
Fibrillated propylene fibers	180	SF	0.18	32
Reinforcing steel - slab thickenings	2,433	LBS	1.52	3,709
Vapor barrier - 15 mil.	71,000	SF	0.53	37,296
6" compacted granular fill	1,306	CY	52.17	68,133
Add for security expansion joint sealant	1	LS	15,450.00	15,450
Concrete holding cell benches	46	LF	81.98	3,771
Rigid insulation - 10" thick	180	SF	13.94	2,508

Foundation Thermal & Moisture Protection:

1/2" x 4" expansion strip	1,604	LF	2.76	4,423
Perimeter insulation	3,199	SF	2.31	7,391
6" perimeter foundation drain	1,597	LF	17.51	27,963

SUBSTRUCTURE - Continued

Earthwork:

Foundation excavation	3,390	CY	10.14	34,360
Backfilling - excavated material	1,306	CY	18.63	24,333
Backfilling - imported granular material	1,306	CY	46.21	60,346
Load/remove excess soil	2,084	CY	13.56	28,267
Rock excavation	1	LS	400,000.00	400,000
Over excavation to get to bedrock - allowance				Included
Concrete contractor general conditions/equipment	1	LS	300,000.00	300,000
				1,954,604

STRUCTURAL FRAME

Floor Frame:

Tube steel columns	3	TON	6,000.00	18,000
Base plates & anchor bolts	18	EA	330.00	5,940
Structural steel beams, channels, angles and plates	25	TON	5,500.00	137,500
Connections and miscellaneous steel				Included
Miscellaneous tube steel				N/A
1" 26 gauge metal floor deck				N/A
Galvanized metal floor grating	1,433	SF	37.50	53,738
Moment connections				N/A

Hollow Core Slabs:

8" precast hollow core slab	9,751	SF	15.00	146,265
Concrete topping on precast planks	67	CY	215.00	14,405
Slab forming, finishing and curing	9,751	SF	1.95	19,014
Welded wire mesh	10,500	SF	0.65	6,825

Roof Frame:

Structural steel beams, channels, angles and plates	127	TON	5,500.00	698,500
Connections and miscellaneous steel				Included
Tube steel columns				Included
Base plates and anchor bolts				Included
Miscellaneous tube steel - allowance	10	TON	6,000.00	60,000
Open web steel joists	92	TON	4,000.00	368,000
Open web steel joists long span				N/A
1 1/2", 20ga galvanized roof deck	70,101	SF	7.00	490,707
1 1/2", 20ga galvanized roof deck (acoustic)				N/A
Moment connections - allowance	1	LS	25,000.00	25,000
Bearing plates	1	LS	7,500.00	7,500

Hollow Core Slabs:

				N/A
Fireproofing/Coatings:				N/A
Sprayed fireproofing - 1 hr	72,788	SF	3.50	254,758
				2,306,152

ROOFING

Membrane Roofing System:

TPO membrane roofing	70,101	SF	4.02	281,456
(2) layers 2" rigid insulation, mechanically fastened	70,101	SF	4.22	296,107
Add for tapered insulation	11,156	SF	5.59	62,340
Glass-mat, water-resistant cover board - 1/2" thick	70,101	SF	1.98	138,800
Fully adhered glass mat faced cover board				None Indicated
Membrane edge flashings	3,835	LF	15.63	59,945
Gravel stop	1,405	LF	15.73	22,101
Counterflashing	1,140	LF	20.17	22,998
Expansion joint				N/A
Flash roof drains/overflow drains	62	EA	213.63	13,245
Miscellaneous sheet metal flashings	1	LS	5,500.00	5,500
Prefinished metal coping - 16"	1,287	LF	28.45	36,615
Treated wood blocking	1,287	LF	9.29	11,963
Roof pavers/walkways	1	LS	5,000.00	5,000
Prefinished aluminum gutters	439	LF	24.20	10,624
Prefinished aluminum downspouts	198	LF	17.00	3,366
Splash blocks	6	EA	35.75	215
Downspout boots	10	EA	395.00	3,950

Skylights & Roof Glazing:

Skylights - allowance	16	EA	9,350.00	149,600
Skylight curbs/flashing	544	LF	38.50	20,944

Roof Specialties:

Roof access hatch - allowance	2	EA	2,431.00	4,862
				1,149,629

EXTERIOR WALLS

Exterior Masonry/Precast Panel:

Face brick veneer				N/A
Split-face cmu veneer				N/A
Add for cast stone watertable - 4"x5"				N/A
Miscellaneous veneer detailing				N/A
8" concrete block back up	26,819	SF	15.14	406,104
Add for 8" bond beams	3,276	LF	16.25	53,239
Add for grouting 8" block cores	26,819	SF	4.93	132,164
Reinforcing	9,387	LBS	0.90	8,411
Masonry flashings/mortar net	1,586	LF	10.86	17,230
Caulking and sealants	76,188	SF	0.87	66,558
Miscellaneous iron and rough carpentry	76,188	SF	1.12	85,331

Metal Panel & Hardie Board:

Hardie board siding	37,004	SF	11.20	414,445
Hardie board soffits & framing	3,563	SF	14.00	49,882
Vertical metal panel siding - non-insulated				N/A
Metal panel fascia	1,405	LF	39.20	55,076
Paint hardie board siding	37,004	LF	1.12	41,444
Paint hardie board soffits	3,563	SF	1.12	3,991

EXTERIOR WALLS - Continued

Metal Stud Framing:

6" metal stud framing - 16 gauge	9,621	SF	4.34	41,707
Exterior sheathing	11,204	SF	1.87	20,951
5/8" drywall	9,604	SF	2.02	19,429
Taping and sanding	6,972	SF	1.13	7,882
Rigid insulation - 3"	37,006	SF	2.38	88,074
Fluid applied air/vapor barrier	37,006	SF	3.27	121,102

Prefinished Aluminum Entry Doors, Frames & Windows:

Prefinished aluminum curtainwall	420	SF	91.80	38,556
Add for acid etched glazing				N/A
Prefinished aluminum storefront	463	SF	52.38	24,252
Prefinished aluminum windows	662	SF	64.80	42,898
Aluminum entrance doors and frames	5	EA	3,348.00	16,740
Aluminum entrance doors and frames	1	PR	6,474.60	6,475
Automatic door opener	4	EA	3,375.00	13,500
Prefinished aluminum louvers - allowance	500	SF	98.75	49,375

Insulated Hollow Metal Doors, Frames & Hardware:

Install security door frames - single	7	EA	144.99	1,015
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Overhead Doors & Frames - Coiling:

Insulated overhead door, security - 12'0"x4'8"	1	EA	3,682.80	3,683
Insulated overhead door, security - 12'0"x5'7"	1	EA	4,428.00	4,428
Insulated overhead door - 14'0"x14'0"	2	EA	6,220.80	12,442
Steel channel frames	4	EA	669.60	2,678
Power operators	2	EA	1,738.80	3,478
Insulated full glass bi-fold door - 14'0"x14'0"	2	EA	26,514.00	53,028
Power operators	2	EA	2,025.00	4,050

1,909,616

INTERIOR SUBDIVISION

Interior Masonry/Precast Panel:

8" concrete block partitions	69,349	SF	15.14	1,050,110
Add for 8" bond beams	5,916	LF	16.25	96,142
Add for grouting 8" block cores				N/A
Add for grouting 8" block cores solid/full	46,254	SF	8.12	375,582
12" concrete block partitions				N/A
Masonry reinforcing steel	9	TON	1,792.00	16,128
Concrete block column wraps				N/A
Grout door frames	95	EA	75.33	7,156
Fire safing/sealing	76,188	SF	1.12	85,331
Abuse resistant sealant	1	LS	392,000.00	392,000
Miscellaneous iron & rough carpentry	76,188	SF	1.12	85,331

INTERIOR SUBDIVISION - Continued

Metal Stud (25 Gauge) & Drywall:

3 5/8" metal stud framing	21,266	SF	2.51	53,324
5/8" drywall	22,960	SF	2.02	46,448
Tile backer board	210	SF	4.21	884
Taping and sanding	17,577	SF	1.13	19,871
Sound batt insulation - 3 5/8"	21,021	SF	0.96	20,191
Add for labor above 8'	8,343	SF	3.40	28,366

Prefinished Aluminum Entry Doors, Frames & Windows:

Prefinished aluminum storefront	716	SF	52.38	37,504
Aluminum entrance doors and frames	4	EA	3,348.00	13,392
Aluminum entrance doors and frames	1	PR	6,474.60	6,475
Automatic door opener	4	EA	3,375.00	13,500

Interior Doors Frames & Hardware:

Hollow metal frames - 3'0"x7'0"	68	EA	326.84	22,225
Solid core wood doors - 3'0"x7'0"	68	EA	524.61	35,673
Add for rated doors and frames	1	LS	810.00	810
Add for cutouts/glazed lights - allowance	54	EA	213.20	11,513
Hardware	68	EA	1,060.32	72,102
Install security door frames - single	88	EA	156.11	13,738

Overcounter Coiling Doors:

Counter coiling doors - 8'0"x4'0"	1	EA	3,077.75	3,078
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Interior Glazing:

Hollow metal windows/sidelights and transoms	775	SF	37.69	29,211
Hollow metal windows - transaction type	16	SF	62.37	998
Sliding window/shutter window at inmate dressing			Included w/Detention Budget	
Control room windows			Included w/Detention Budget	
				<u>2,537,083</u>

VERTICAL CIRCULATION

Elevators:

N/A

Metal Pan Stairs:

4'0" treads, 24 risers, 32 sf landing	2	EA	21,995.00	43,990
Concrete fill	256	SF	12.00	3,072

Metal Grate Stairs:

3'4" treads, 15 risers			Included w/Detention Budget	
Ships ladder - 12'h				N/A

Ladders:

Roof ladder - allowance	2	EA	1,220.00	2,440
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Handrails & Railings:

Floor mounted handrail	28	LF	105.00	2,940
				<u>52,442</u>

WALL FINISHES

Painting & Wallcovering:

Paint drywall	24,549	SF	0.72	17,553
Paint concrete block	69,790	SF	1.46	102,103
Paint concrete block - epoxy	48,456	SF	6.05	293,159
Paint hollow metal door frames	68	EA	69.30	4,712
Paint security doors & frames	95	EA	138.60	13,167
Paint security hollow metal sidelights/windows	1,903	SF	6.55	12,455
Paint hollow metal sidelights/windows	791	SF	6.55	5,177
Paint metal pan stairs - per flight	2	EA	2,387.00	4,774
Paint floor mounted railing	26	LF	17.05	443
Paint roof hatch acces ladders	2	EA	385.00	770
Miscellaneous painting & finishing	1	LS	3,300.00	3,300

Special Finishes:

Wall padding	750	SF	15.50	11,625
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Ceramic Tile:

Ceramic wall tile	210	SF	15.00	3,150
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Acoustical/Tackable Wall Treatment:

Acoustical wall panel - allowance	1	LS	15,750.00	15,750
				488,138

FLOOR FINISHES

Resilient Flooring:

Carpet	1,291	SY	30.60	39,505
Walk-off mat	798	SF	6.99	5,576
Vinyl composition tile	1,962	SF	3.11	6,104
LVT	4,114	SF	5.61	23,080
Rubber tile	640	SF	8.16	5,222
Floor padding	163	SF	15.30	2,494
Resilient base	5,098	LF	2.60	13,260
Rubber treads and nosings	192	LF	39.63	7,608

Floor Coatings & Sealers:

Sealed concrete	47,595	SF	0.56	26,701
Paint steel floor grating	855	SF	2.45	2,093
Epoxy resinous flooring	2,035	SF	11.22	22,833
Epoxy resinous flooring base	189	SF	11.22	2,121

Ceramic Tile & Terrazzo:

Quarry tile				N/A
Quarry tile base				N/A
Porcelain floor tile	4,888	SF	14.28	69,801
Porcelain floor tile base	1,205	LF	14.28	17,207

Special Flooring Systems:

Raised access flooring	1,645	SF	14.42	23,721
				267,324

CEILING FINISHES

Acoustic Tile:

Suspended acoustical tile ceiling - 2x4	31,848	SF	3.74	119,112
Suspended acoustical tile ceiling - 2x4 washable	2,651	SF	2.98	7,887
Structural security ceiling tile				Included w/Detention Budget
12 ga bent plate fastened w/security fasteners - 2'8"	250	LF	40.97	10,243
"C" channel wall moulding w/hold down	250	LF	31.03	7,756

Drywall Ceilings:

Suspended drywall ceilings	5,393	SF	7.44	40,110
Suspended drywall ceilings - high impact	410	SF	7.86	3,224
5/8" high impact gypsum ceiling cap - 6" stud framing				N/A
5/8" fire treated plywood sheathing w/security fasteners				Included
Bulkheads & soffits - allowance	1	LS	40,000.00	40,000

Ceiling Painting/Coatings:

Paint drywall ceilings	5,803	SF	0.88	5,107
Paint drywall bulkheads and soffits - allowance	1	LS	4,250.00	4,250
Paint exposed structure	1,017	SF	0.89	908
Paint exposed structure - high bays	11,769	SF	1.87	22,008

260,603

SPECIALITIES

Toilet Partitions - Solid Plastic:

Toilet partitions - standard	1	EA	1,094.62	1,095
Toilet partitions - handicap	2	EA	1,509.30	3,019
Urinal screens	1	EA	457.81	458

Toilet Accessories - Stainless Steel:

Toilet paper dispenser	15	EA	69.00	1,035
Grab bars - 36"/42"	28	EA	103.93	2,910
Grab bars - 18"	14	EA	78.71	1,102
Soap dispenser	16	EA	110.73	1,772
Paper towel dispensers	16	EA	471.38	7,542
Napkin disposal	14	EA	374.15	5,238
Framed mirrors - 24"x36"	18	EA	219.23	3,946
Mop strip	3	EA	175.49	526
Shower curtain/rod	2	EA	133.31	267
Shower seat - folding	2	EA	339.90	680
Grab bars - shower	2	EA	187.01	374

Toilet Accessories - Stainless Steel: Detention grade

Toilet paper dispenser	13	EA	148.45	1,930
Grab bars - 36"/42"	20	EA	150.27	3,005
Grab bars - 18"	10	EA	150.27	1,503
Soap dispenser	10	EA	116.14	1,161
Paper towel dispensers	10	EA	471.38	4,714
Shower curtain/rod	7	EA	141.49	990
Shower seat - folding	7	EA	513.30	3,593

SPECIALITIES - Continued

Grab bars - shower	7	EA	187.22	1,311
Towel hooks - detention	7	EA	151.78	1,062

Interior Signage & Directories:

F.F.&E.

Window Treatment:

Manual roller shades	662	SF	14.94	9,887
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Fire Extinguishers:

Fire extinguishers and cabinets - allowance	12	EA	371.44	4,457
Fire extinguishers brackets - allowance	10	EA	128.75	1,288

Miscellaneous Building Specialties:

Pipe bollards - allowance	8	EA	638.60	5,109
Evidence storage system	32	LF	2,008.50	64,272
Property storage system	23	LF	1,751.00	40,273
Inmate clothing storage system - 16'	1	LS	20,600.00	20,600
Chain link fence - 14' high	73	LF	93.25	6,807
Add for gate assembly	3	EA	638.60	1,916

203,841

CASEWORK & FINISHED CARPENTRY

Casework - Plastic Laminate: Allowance

Base cabinets and solid surface tops - 24"	60	LF	302.62	18,157
Drawer base cabinets and solid surface tops - 24"	20	LF	396.00	7,920
Solid surface countertop - 24" wide	100	LF	153.00	15,300
Solid surface transaction top - 12" wide	15	LF	85.50	1,283
Solid surface vanity tops	18	LF	130.50	2,349
Plastic laminate countertop - 24"	30	LF	58.50	1,755
Wall cabinets	60	LF	94.50	5,670

Finished Carpentry/Wood Trim:

Display Case				N/A
Solid surface window sill	79	LF	51.75	4,088
Solid surface wall cap - 8"	42	LF	58.10	2,440
Miscellaneous finished carpentry/trim	1	LS	9,000.00	9,000

67,962

EQUIPMENT

Detention/Security Equipment:

Detention/security equipment - allowance	1	LS	7,992,000.00	7,992,000
Gun lockers				Included
Fixed seating				Included
Woven rod security barrier system				Included
4 lane gun range	1	LS	315,480.00	315,480
Range re-circulation ventilation	1	LS	220,000.00	220,000
Inmate property conveyer	1	LS	69,693.75	69,694

EQUIPMENT - Continued

Food Service Equipment:

Full service kitchen equipment (2,036sf)	1	LS	617,706.06	617,706
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Residential Equipment:

Refrigerator	3	EA	3,640.00	10,920
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Visual Display Boards/Projection Screens:

Markerboards - allowance	50	LF	88.40	4,420
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Laundry Equipment:

Commercial washer - 100#	3	EA	34,168.94	102,507
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Commercial dryer - 115#	3	EA	11,080.58	33,242
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Lockers:

Prefinished metal lockers - 12"x18"x72"	50	EA	262.80	13,140
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Add for sloped tops				N/A
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Add for metal locker base	50	LF	37.06	1,853
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Locker bench	12	LF	67.60	811
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General trades package general conditions	1	LS	250,000.00	250,000
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9,631,772

FIRE PROTECTION

Automatic sprinkler system - wet pipe	76,188	SF	3.98	302,847
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Add for institutional type heads	1	LS	31,800.00	31,800
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Fire department post indicator valve	1	EA	1,669.50	1,670
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Fire department connection	1	EA	2,936.20	2,936
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Fire protection piping pre-engineered clean agent system	1	LS	53,000.00	53,000
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Bulkhead at exposed piping in secure areas	1	LS	74,200.00	74,200
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466,453

PLUMBING

Cold/Hot Water Service:

Water service entry	1	LS	6,095.00	6,095
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Reduced pressure backflow preventer - 6"	1	EA	5,493.25	5,493
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Reduced pressure backflow preventer - 2"	1	EA	1,910.29	1,910
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Digital mixing valve manifold	1	EA	5,891.99	5,892
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Gas fired water heater - 2,000 mbh input	2	EA	42,857.39	85,715
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500 gallon glass lined storage tanks	2	EA	16,483.00	32,966
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Thermal expansion tank	1	EA	1,039.28	1,039
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Recirculating pumps	1	EA	1,176.62	1,177
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Water softener assembly	1	LS	29,388.50	29,388.50
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Packaged booster pump assembly - triplex	1	LS	66,769.40	66,769.40
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36" diameter brine tank				Included
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Thermostatic mixing valves - main	1	EA	10,075.47	10,075
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Cell water control valve	14	EA	3,127.00	43,778
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Equipment pads	1	LS	1,590.00	1,590
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PLUMBING - Continued

Plumbing Fixtures (Including Rough-in):

Water closet/lav combo - penal	13	EA	6,015.01	78,195
Water closet/lav combo - penal connect only @ jail cell	59	EA	165.02	9,736
Water closet - wall hung	15	EA	2,450.33	36,755
Urinal	1	EA	1,865.02	1,865
Add for sensor operated flush valves	16	EA	276.08	4,417
Wall hung lavatories	12	EA	2,071.01	24,852
Countertop lavatories	6	EA	1,039.47	6,237
Add for sensor operated faucets	18	EA	447.32	8,052
Stainless steel sinks - single bowl	3	EA	1,106.32	3,319
Mop sink	3	EA	2,224.95	6,675
Utility sink	1	EA	2,006.66	2,007
Emergency eye/facewash	3	EA	1,279.26	3,838
Thermostatic mixing valves for eyewash	3	EA	252.94	759
Electric water cooler	2	PR	2,565.77	5,132
Hose bibbs	10	EA	69.21	692
Wall hydrant	10	EA	386.70	3,867
Wall hydrant - non-freeze	8	EA	649.12	5,193
Shower heads and control, penal	7	EA	1,439.35	10,075
Shower heads and control, penal connect only @ jail cel	59	EA	225.78	13,321
Pre-tempered electronic shower valve	5	EA	1,689.76	8,449
Shower heads and control - ADA	2	EA	1,106.32	2,213
Thermostatic mixing valve for shower	2	EA	257.57	515
Ice maker connections	2	EA	404.31	809
Guy grey box	2	EA	253.19	506

Piping & Insulation:

Domestic water, sanitary waste and vent connections	186	EA	3,180.00	591,480
Floor drains	55	EA	886.05	48,733
Ductile iron vehicle rated trench drain cover - allowance	100	LF	217.30	21,730
Vents through roof	15	EA	556.50	8,348
Kitchen plumbing services - allowance	1	LS	21,200.00	21,200
Grease interceptor - 500 gallon	1	LS	7,287.50	7,288
Lint interceptor - 2,000 lbs load capacity	1	LS	8,957.00	8,957
Sand/oil interceptor - 1,000 gallon	1	EA	4,261.60	4,262

Storm Water Removal:

Roof drains	31	PR	13,250.00	410,750
Storm water piping				Included
Cleanouts				Included
Insulation				Included

Gas Piping:

Gas meter, regulator and service entry By Utility Company

Gas Piping:

Gas piping, valves, regulators	1	LS	15,900.00	15,900
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PLUMBING - Continued

Miscellaneous Plumbing:

Pipe ID, testing and tagging	1	LS	2,000.00	2,000
				1,670,013

HVAC

Hydronic Heating Equipment & Distribution:

Condensing boilers - 1,600 mbh	3	EA	44,735.53	134,207
Condensate neutralization kit				Included
Boiler breeching and stacks	1	LS	16,774.50	16,775
Expansion tank	1	EA	4,551.79	4,552
Air separators	1	EA	2,634.40	2,634
Boiler circulating pump	3	EA	1,669.50	5,009
Heating pumps vertical in-line centrifugal type - 200 gpm	1	EA	6,667.40	6,667
Heating pumps vertical in-line centrifugal type - 500 gpm	1	EA	7,573.70	7,574
Pump connectors	4	EA		Included
Triple duty valves	2	EA	1,525.87	3,052
Suction diffusers	2	EA	1,210.39	2,421
Variable frequency drives	2	EA	8,580.07	17,160
Chemical shot feeder	1	EA	1,775.50	1,776
Cabinet unit heater - 15 mbh	8	EA	1,417.75	11,342
Cabinet unit heater - 45 mbh	1	EA	2,133.25	2,133
Unit heater - 250 mbh	2	EA	2,790.45	5,581
Unit heater - 350 mbh	2	EA	3,378.22	6,756
Concrete equipment pads - heating equipment	1	LS	795.00	795
Heating water piping - schedule 40 black iron	76,188	SF	1.86	141,329
Heating water pipe insulation	76,188	SF	0.64	48,456

Liquid Cooling Equipment & Distribution:

Air cooled scroll chiller - 240 tons	1	EA	177,518.20	177,518
Remote evaporators	1	EA		Included
Refrigerant piping	140	LF	76.85	10,759
Expansion tank	1	EA	4,858.54	4,859
Air separators	1	EA	5,616.39	5,616
Chiller pumps vertical in-line centrifugal type - 600 gpm	2	EA	8,162.00	16,324
Pump connectors	4	EA		Included
Triple duty valves	2	EA	2,374.97	4,750
Suction diffusers	2	EA	2,106.02	4,212
Variable frequency drives	2	EA	8,580.07	17,160
Chemical shot feeder	1	EA	1,775.50	1,776
Concrete equipment pads - chillers	1	LA	7,950.00	7,950
Concrete equipment pads - remote evaporators & pumps	1	LA	1,060.00	1,060
Chilled water piping - schedule 40 black iron	76,188	SF	1.80	137,291
Chilled water pipe insulation	76,188	SF	0.42	32,304

Condensate Piping:

3/4" diameter	200	LF	15.56	3,112
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HVAC - Continued

Condensate Pipe Insulation:

3/4" diameter	200	LF	8.00	1,601
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Electric Heating Equipment:

Electric wall heater				N/A
Unit heater				N/A
Infrared heaters - gas				N/A
Air curtain				N/A

Air Handling Equipment & Distribution:

VAV modular AHU-1	12,000	CFM	5.57	66,780
VAV modular AHU-2	4,000	CFM	6.36	25,440
VAV modular AHU-3	24,000	CFM	5.14	123,384
Modular AHU-4	4,800	CFM	4.66	22,387
Modular AHU-5	14,000	CFM	4.50	63,070
VAV modular AHU-6	2,400	CFM	9.33	22,387
VAV modular AHU-7	1,600	CFM	9.81	15,688
MAU-1 - 800 mbh			Included w/Gun Range Cost	
MAU-2 - 360 mbh	4,760	CFM	4.45	21,192
MAU-3 - 60 mbh	600	CFM	5.30	3,180
Add for variable frequency drives				Included
Exhaust/relief air systems	76,188	SF	0.32	24,228
Heat recovery ventilator w/ static plate heat exchanger	7,200	CFM	13.52	97,308
Heat recovery ventilator w/ static plate heat exchanger	7,000	CFM	13.52	94,605
Powered roof ventilator exhaust fan - EF-1			Included w/Gun Range Cost	
Roof mtd centrifugal powered ventilator - EF-2	1	EA	2,103.31	2,103
Roof mtd high plume dilution - EF-3	1	EA	15,216.30	15,216
Make-up air unit				By K.E.C.
Ductless split system - 10 mbh	1	EA	4,622.59	4,623
Condensing unit - 1/2 ton				Included
Refrigerant line set	1	EA	365.70	366
CRAC units	3	EA	38,414.40	115,243
Condensing unit - 5 ton				Included
Refrigerant line set	1	EA	689.00	689
Four-pipe FCU - 60 mbh heating, 24 mbh cooling	6	EA	4,015.80	24,095
Condensate pump				Included
<i>Variable Air Volume Boxes:</i>				
VAV boxes	40	EA	991.10	39,644
Coil piping kits	40	EA	323.30	12,932
<i>Variable Air Volume Boxes - Fan Powered:</i>				
VAV boxes - fan powered	35	EA	1,754.30	61,401
Coil piping kits	35	EA	323.30	11,316

HVAC - Continued

Ductwork - galvanized	54,093	LBS	7.69	415,708
Dampers and duct accessories	1	LS	79,500.00	79,500
Duct insulation	45,439	SF	4.08	185,435
Add for internally lined duct	1	LS	53,000.00	53,000
Grilles & diffusers	76,188	SF	1.38	104,987
Connect supply & exhaust grilles to cells	118	EA	81.77	9,649
Security duct penetrations	20	EA	1,721.44	34,429

Temperature Control, Testing & Balancing:

Air test and balance	76,188	SF	0.85	64,607
Water test and balance	76,188	SF	0.32	24,228
Temperature control system	76,188	SF	4.82	367,455

3,050,781

ELECTRICAL

Electrical Service Entry:

Main Service:

Primary service transformer				By Utility Company
Meter base & C.T. cabinet				By Utility Company
Concrete pad for transformer	1	LS	1,365.00	1,365
Secondary service feeder	45	LF	785.74	35,358
Service entrance main breaker	1	LS	22,522.50	22,523
Whole-building open-transition, 4-pole ATS				Included
MSB - 2,500 amps, 480/277 volts w/ digital meter	1	EA	54,822.75	54,823
Add for additional sections	1	EA		Included
Transient voltage surge suppressor	1	EA		Included
Uninterruptable power supply - 30kva	3	EA	56,829.50	170,489

Branch/House Panels & Feeders:

Branch panel - 100A, 120/208V MCB	2	EA	3,460.28	6,921
Branch panel - 100A, 120/208V MLO	5	EA	2,709.76	13,549
Branch panel - 125A, 120/208V MLO	2	EA	2,972.29	5,945
Branch panel - 125A, 277/480V MLO	1	EA	3,985.80	3,986
Branch panel - 200A, 277/480V MLO	1	EA	5,313.26	5,313
Branch panel - 225A, 120/208V MCB	4	EA	5,966.97	23,868
Branch panel - 225A, 120/208V MLO	3	EA	3,868.54	11,606
Branch panel - 250A, 277/480V MLO	2	EA	5,913.86	11,828
Branch panel - 400A, 120/208V MCB	1	EA	8,630.99	8,631
Branch panel - 400A, 277/480V MLO	1	EA	7,186.26	7,186
Branch panel - 600A, 277/480V MLO	1	EA	9,424.33	9,424
Branch panel - 60A, 277/480V MCB	2	EA	2,801.66	5,603
Branch panel - 800A, 277/480V MLO	2	EA	10,720.16	21,440
Branch panel - 80A, 120/208V MCB	1	EA	2,783.24	2,783
Dry type transformers - 45kva	2	EA	7,974.97	15,950
Dry type transformers - 75kva	4	EA	8,500.04	34,000
Dry type transformers - 112.5kva	1	EA	9,742.30	9,742
Add for transient voltage surge suppression	3	EA	800.80	2,402
Panel and transformer feeders	38	EA	6,825.00	259,350

ELECTRICAL - Continued

Emergency Power Systems:

Emergency generator - 1,200 kw	1	LS	325,750.00	325,750
Genset control panel				Included
Genset battery charger				Included
Gen-annunciator				Included
Fuel tank				Included
Weatherproof enclosure/sound attenuation				Included
Trystar dock - 2,000A, 480V, 3PH DSDS	1	EA	60,000.00	60,000

Grounding System/Lightning Protection:

Ground loop around building	1,510	LF	15.47	23,360
Grounding/bonding to building systems	76,188	SF	0.50	38,132
Lighting protection system				N/A

Branch Power Distribution:

Branch power distribution	76,188	SF	2.73	207,993
Duplex receptacles for plumbing isolation valves				Included
Duplex receptacles				Included
Duplex receptacle - detention grade				Included
Duplex receptacles - gfi				Included
Duplex receptacles - gfi weatherproof				Included
Double duplex receptacle				Included
Double duplex receptacle, usb				Included
Special purpose outlets				Included
Floor boxes				Included
Circuits and connections				Included
Floor boxes				Included
Mechanical equipment/small motor connections	76,188	SF	1.14	86,664
Connections to jail cells	59	EA	600.60	35,435

Telecommunications System:

Data/communication system rough-ins only	76,188	SF	0.23	17,333
Plywood backboard - 8' high	90	LF	31.85	2,867
Cable tray	310	LF	23.21	7,194
Data/communication equipment, racks, switches	76,188	SF	1.14	86,664
Data/communication system wiring	76,188	SF	0.46	34,666

Lighting:

Interior lighting	76,188	SF	7.28	554,649
Add for emergency & night light circuits/ballasts				Included
Circuits and connections				Included
Exit lights	35	EA	273.37	9,568
Circuits and connections	35	EA	172.08	6,023
Lighting controls	76,188	SF	1.68	128,262
Light switches				Included
Dimmer switches				Included
Occupancy sensors				Included

ELECTRICAL - Continued

Fire Alarm System:

Control panel	1	EA	7,052.50	7,053
Annunciator panel	2	EA	1,524.25	3,049
Fire alarm devices	76,188	SF	2.41	183,727
Conduit and wiring	76,188	SF	1.73	131,729

Public Address System:

Public address system	76,188	SF	0.73	55,465
Speakers in public and common areas				Included
Interface hardware for Voice head-end equipment				Included

Miscellaneous Systems:

Miscellaneous systems rough-ins	76,188	SF	1.37	103,997
Controlled lighting circuit - rough-ins only				Included
Controlled lighting circuit, cell control - rough-ins only				Included
Controlled power outlet - rough-ins only				Included
Ceiling speaker w/audio threshold detection - rough-ins only				Included
Paging speaker, ceiling mounted - rough-ins only				Included
Microphone, ceiling mounted - rough-ins only				Included
Call pushbutton - rough-ins only				Included
Door position switch - rough-ins only				Included
Door release pushbutton - rough-ins only				Included
Duress pushbutton - rough-ins only				Included
Graphical user interface station - rough-ins only				Included
IP Camera - rough-ins only				Included
IP Camera, exterior - rough-ins only				Included
IP Camera w/integrated microphone - rough-ins only				Included
Monitor and controlled door - rough-ins only				Included
Monitor and controlled door, exterior - rough-ins only				Included
Monitored and controlled door "EL" - rough-ins only				Included
Multi-sensor 180deg camera - rough-ins only				Included
Multi-sensor 180deg camera, exterior - rough-ins only				Included
Multi-sensor 360deg camera - rough-ins only				Included
Multi-sensor 360deg camera, exterior - rough-ins only				Included
Network video client computer - rough-ins only				Included
Network video client monitor - rough-ins only				Included
Proximity reader - rough-ins only				Included
Proximity reader, exterior - rough-ins only				Included
Proximity reader w/keypad - rough-ins only				Included
Remote intercom station w/ call switch - rough-ins only				Included
Remote intercom station w/ call switch, integral headset - rough-ins only				Included
Remote intercom station w/ call switch, privacy switch - rough-ins only				Included
Remote intercom station w/ call switch, weather resistant - rough-ins only				Included
Request to exit, motion detector - rough-ins only				Included
Security camera - rough-ins only				Included
Security equipment enclosure - rough-ins only				Included
Visitation handset pair - rough-ins only				Included

ELECTRICAL - Continued

Security Electronics:

Security elect. systems - Pauly Jail quote			Included w/Detention/Security Number	
Security equipment and wiring			Included w/Detention/Security Number	
CCTV equipment and wiring			Included w/Detention/Security Number	

Site Electrical:

Primary service conduit - (2) 5"pvc schedule 80	750	LF	80.49	60,367
Telecommunications service conduit (2) 4"	750	LF	62.11	46,581
Site lighting - allowance	1	LS	136,500.00	136,500
				3,097,110

SITE DEVELOPMENT

Site Clearing/Demolition:

Clear and grub trees	5,307	SF	0.53	2,786
Remove RCP	1,511	LF	17.85	26,971
Remove storm manhole	1	EA	651.00	651
Remove storm outlet/inlet	14	EA	551.25	7,718
Remove sanitary manhole	2	EA	651.00	1,302
Sawcut asphalt paving	57	LF	6.30	359
Remove asphalt paving	1,323	SY	5.78	7,640
Miscellaneous site demolition and removals	1	LS	5,250.00	5,250

Bulk Excavation & Grading:

Strip topsoil				N/A
Bulk excavation cut and fill	15,000	CY	5.25	78,750
Cut, load and export excess soil - lose on site	10,000	CY	5.25	52,500
Import, spread & level fill	8,500	CY	18.90	160,650
Remove & replace unsuitable soil - allowance				None Indicated
Miscellaneous erosion/sedimentation control	1	LS	21,000.00	21,000
Rock excavation for utilities	1	LS	200,000.00	200,000

Storm Water Removal:

Reinforced Concrete Piping:

18" diameter	556	LF	55.55	30,883
24" diameter	168	LF	65.99	11,087
Trench excavation and backfilling	724	LF	17.85	12,923
Add for full granular backfill	393	LF	15.75	6,190
Curb inlet	11	EA	3,018.75	33,206
Yard inlet	1	EA	1,732.50	1,733
18" flared end section	3	EA	614.25	1,843

SITE DEVELOPMENT - Continued

Sanitary Waste Removal:

PVC Piping:

6" diameter	235	LF	10.03	2,356
8" diameter	770	LF	15.02	11,562
10" diameter	169	LF	20.63	3,487
Trench excavation and backfilling	1,174	LF	15.02	17,628
Add for full granular backfill	393	LF	9.98	3,920
Cleanout 6"	4	EA	887.25	3,549
Lift station				N/A
Manholes	6	EA	4,987.50	29,925
Connections to existing	1	EA	420.00	420

Water Service:

Water meter vault	1	EA	18,375.00	18,375
Fire department connection			Included w/Fire Protection	
Fire hydrant and assembly incl 6" gate valve	5	EA	4,987.50	24,938
Remove & reset fire hydrant	1	EA	1,575.00	1,575
Post indicator valve			Included w/Fire Protection	
4" diameter	14	LF	31.76	445
6" diameter	83	LF	36.17	3,002
6" RJ diameter	97	LF	36.17	3,509
8" RJ diameter	1,489	LF	46.20	68,792
Trench excavation and backfilling	1,683	LF	15.02	25,270
Add for full granular backfill	755	LF	9.98	7,531
Tee 8"	5	EA	1,170.75	5,854
Thrust block	9	EA	147.00	1,323
Gate valve assemblies - 4"	1	EA	1,496.25	1,496
Gate valve assemblies - 6"	4	EA	2,257.50	9,030
Gate valve assemblies - 8"	1	EA	3,018.75	3,019
Tap/connections to existing - 12"	1	EA	2,625.00	2,625

Gas Service:

By Gas Company

Site Concrete:

Concrete sidewalk 4"	6,940	SF	6.51	45,179
Heavy duty concrete paving			None Indicated	
Add for wheelchair access ramps	4	EA	462.00	1,848
Truncated domes	40	SF	18.90	756
Concrete curbs - 6"	3,370	LF	22.10	74,485
Integral curb	559	LF	14.96	8,364
Miscellaneous site concrete	1	LS	5,250.00	5,250

SITE DEVELOPMENT - Continued

Asphalt Paving:

Asphalt pavement, standard duty	6,958	SY	42.00	292,236
Asphalt pavement, heavy duty	8,121	SY	48.30	392,244
Painted handicap symbols	4	EA	70.88	284
Diagonal striping area	880	SF	0.74	647
4" striping	3,190	LF	0.37	1,172

Site Furnishings:

Flagpole - 30'	3	EA	4,147.50	12,443
Small signage - allowance	1	LS	1,575.00	1,575
Monumental sign	1	EA	26,250.00	26,250
Pipe bollards - allowance	20	EA	892.50	17,850
Security bollards	4	EA	892.50	3,570
Loading dock equipment	1	LS	15,750.00	15,750
Miscellaneous site furnishings	1	LS	10,500.00	10,500
Trash containers				Included
Tables				Included
Benches - 6' long				Included

Landscaping:

Spread and level topsoil - 6" imported	1,500	CY	42.00	63,000
Fine grade & seed disturbed areas	8,800	SY	1.00	8,778
Landscaping - allowance	1	LS	160,000.00	160,000
Irrigation system - allowance	1	LS	56,000.00	56,000

Screens, Fencing & Gates:

Chain link fence 12' - 3 strands barbed wire	2,000	LF	57.75	115,500
Chain link fence gate - 3' wide	4	EA	414.75	1,659
Sliding gate - 18' wide opening	2	EA	8,137.50	16,275

Site Walls:

Masonry dumpster enclosure - allowance	1	LS	52,500.00	52,500
				2,297,187

LAWRENCE COUNTY SHERIFF'S OFFICE & JAIL
Deadwood, South Dakota

DRAFT FOR REVIEW

Schematic Design Document Opinion Of Probable Cost - Rev # 4 **VE Items**

VE Item #1 - Eliminate Loop Road Width Expansion

Sawcut asphalt paving	(57)	LF	6.30	(359)
Remove asphalt paving	(1,323)	SY	5.78	(7,640)
Asphalt pavement, heavy duty	(2,783)	SY	48.30	(134,419)
Concrete curbs - 6"	(703)	LF	22.10	(15,538)
24" diameter	(50)	LF	65.99	(3,300)
Trench excavation and backfilling - blasting	(50)	LF	17.85	(893)
Curb inlet	(3)	EA	3,018.75	(9,056)
				(171,205)
Contractor's Performance & Payment Bonds	1.00%			(1,712)
Trade Contractor General Conditions			Included Where Applicable	
SUB TOTAL CONSTRUCTION COST				(172,917)
Design Contingency	5.00%			(8,646)
Escalation/Bid Market Contingency	4.00%			(7,263)
SUB TOTAL CONSTRUCTION COST				(188,825)
CM General Conditions/General Requirements				(10,000)
CM Fee	3.00%			(5,965)
TOTAL CONSTRUCTION COSTS				(204,790)

VE Item #2 - Make Gun Range an Alternate

Gun range building shell	(2,348)	SF	150.00	(352,200)
4 lane gun range	(1)	LS	315,480.00	(315,480)
Range re-circulation ventilation	(1)	LS	220,000.00	(220,000)
				(887,680)
Contractor's Performance & Payment Bonds	1.00%			(8,877)
Trade Contractor General Conditions			Included Where Applicable	
SUB TOTAL CONSTRUCTION COST				(896,557)
Design Contingency	5.00%			(44,828)
Escalation/Bid Market Contingency	4.00%			(37,655)
SUB TOTAL CONSTRUCTION COST				(979,040)
CM General Conditions/General Requirements				-
CM Fee	3.00%			(29,371)
TOTAL CONSTRUCTION COSTS				(1,008,411)

VE Item #3 - Make Courts an Alternate

Courts	(5,470)	SF	170.00	(929,900)
				<u>(929,900)</u>
Contractor's Performance & Payment Bonds	1.00%			(9,299)
Trade Contractor General Conditions			Included Where Applicable	
SUB TOTAL CONSTRUCTION COST				<u>(939,199)</u>
Design Contingency	5.00%			(46,960)
Escalation/Bid Market Contingency	4.00%			(39,446)
SUB TOTAL CONSTRUCTION COST				<u>(1,025,605)</u>
CM General Conditions/General Requirements				-
CM Fee	3.00%			(30,768)
TOTAL CONSTRUCTION COSTS				<u>(1,056,373)</u>

VE Item #4 - Eliminate 4 Offices

Offices	(704)	SF	130.00	(91,520)
				<u>(91,520)</u>
Contractor's Performance & Payment Bonds	1.00%			(915)
Trade Contractor General Conditions			Included Where Applicable	
SUB TOTAL CONSTRUCTION COST				<u>(92,435)</u>
Design Contingency	5.00%			(4,622)
Escalation/Bid Market Contingency	4.00%			(3,882)
SUB TOTAL CONSTRUCTION COST				<u>(100,939)</u>
CM General Conditions/General Requirements				-
CM Fee	3.00%			(3,028)
TOTAL CONSTRUCTION COSTS				<u>(103,967)</u>

VE Item #5 - Reduce Sallyport

Sallyport	(1,252)	SF	105.00	(131,460)
				<u>(131,460)</u>
Contractor's Performance & Payment Bonds	1.00%			(1,315)
Trade Contractor General Conditions			Included Where Applicable	
SUB TOTAL CONSTRUCTION COST				<u>(132,775)</u>
Design Contingency	5.00%			(6,639)
Escalation/Bid Market Contingency	4.00%			(5,577)
SUB TOTAL CONSTRUCTION COST				<u>(144,990)</u>
CM General Conditions/General Requirements				-
CM Fee	3.00%			(4,350)
TOTAL CONSTRUCTION COSTS				<u>(149,340)</u>

VE Item #6 - Revise Transitional Housing From Steel Cells to Dayroom

Steel cells	(10)	EA	30,000.00	(300,000)
				<u>(300,000)</u>
Contractor's Performance & Payment Bonds	1.00%			(3,000)
Trade Contractor General Conditions			Included Where Applicable	
SUB TOTAL CONSTRUCTION COST				<u>(303,000)</u>
Design Contingency	5.00%			(15,150)
Escalation/Bid Market Contingency	4.00%			(12,726)
SUB TOTAL CONSTRUCTION COST				<u>(330,876)</u>
CM General Conditions/General Requirements				-
CM Fee	3.00%			(9,926)
TOTAL CONSTRUCTION COSTS				<u>(340,802)</u>

VE Item #7 - Eliminate Steel Cells from Dayroom

Steel cells	(8)	EA	30,000.00	(240,000)
				<u>(240,000)</u>
Contractor's Performance & Payment Bonds	1.00%			(2,400)
Trade Contractor General Conditions			Included Where Applicable	
SUB TOTAL CONSTRUCTION COST				<u>(242,400)</u>
Design Contingency	5.00%			(12,120)
Escalation/Bid Market Contingency	4.00%			(10,181)
SUB TOTAL CONSTRUCTION COST				<u>(264,701)</u>
CM General Conditions/General Requirements				-
CM Fee	3.00%			(7,941)
TOTAL CONSTRUCTION COSTS				<u>(272,642)</u>

Alt Item #1 - Extend Loop Road

Grading	862	SY	5.00	4,310
Asphalt pavement, heavy duty	862	SY	48.30	41,635
Concrete curbs - 6"	388	LF	22.10	8,576
Storm piping/structures	1	LS	15,000.00	15,000
				<u>69,520</u>
Contractor's Performance & Payment Bonds	1.00%			695
Trade Contractor General Conditions			Included Where Applicable	
SUB TOTAL CONSTRUCTION COST				<u>70,216</u>
Design Contingency	5.00%			3,511
Escalation/Bid Market Contingency	4.00%			2,949
SUB TOTAL CONSTRUCTION COST				<u>76,675</u>
CM General Conditions/General Requirements				-
CM Fee	3.00%			2,300
TOTAL CONSTRUCTION COSTS				<u>78,976</u>

VE Item #8 - Masonry Intake Holding Cells in lieu of Steel Cells

Pauly Jail Credit	(9)	EA	-	-
Structural security ceiling tile			Included In Pauly Jail Credit	
Form/pour inmate bench	9	EA	1,100.00	9,900
Slab thickenings	19	CY	204.08	3,878
Reinforcing steel - slab thickenings	294	LBS	1.52	447
8" concrete block partitions	3,080	SF	15.14	46,639
Add for 8" bond beams	220	LF	16.25	3,575
Add for grouting 8" block cores solid/full	3,080	SF	8.12	25,010
Masonry reinforcing steel	1,078	LBS	0.90	966
Grout door frames	13	EA	75.33	979
Install security door frames - single	13	EA	156.11	2,029
Paint security doors & frames	4	EA	138.60	554
Paint concrete block - epoxy	5,330	SF	6.05	32,247
Paint exposed structure	39	SF	0.89	35
Furnish/water closet/lav combo - penal	9	EA	6,015.01	54,135
Plumbing rough-ins	9	EA	1,200.00	10,800
Floor drains	9	EA	886.05	7,974
Surface mounted detention grade light - furnish/install	9	EA	910.00	8,190
Circuits and connections	9	EA	172.08	1,549
				208,906
Contractor's Performance & Payment Bonds	1.00%			2,089
Trade Contractor General Conditions			Included Where Applicable	
SUB TOTAL CONSTRUCTION COST				210,995
Design Contingency	5.00%			10,550
Escalation/Bid Market Contingency	4.00%			8,862
SUB TOTAL CONSTRUCTION COST				230,407
CM General Conditions/General Requirements				-
CM Fee	3.00%			6,912
TOTAL CONSTRUCTION COSTS				237,319

VE Item #9 - Masonry Transitional Housing Cells in lieu of Steel Cells

Pauly Jail Credit	(10)	EA	-	-
Structural security ceiling tile			Included In Pauly Jail Credit	
Slab thickenings	20	CY	204.08	4,082
Reinforcing steel - slab thickenings	318	LBS	1.52	483
8" concrete block partitions	3,332	SF	15.14	50,454
Add for 8" bond beams	238	LF	16.25	3,868
Add for grouting 8" block cores solid/full	3,332	SF	8.12	27,056
Masonry reinforcing steel	1,166	LBS	0.90	1,045
Grout door frames	15	EA	75.33	1,130
Install security door frames - single	15	EA	156.11	2,342
Paint security doors & frames	5	EA	138.60	693
Paint concrete block - epoxy	4,760	SF	6.05	28,798
Paint exposed structure	39	SF	0.89	35
Inmate bunk bed - install only	10	EA	120.00	1,200
Inmate desk - install only	10	EA	60.00	600

Water closet/lav combo - penal	10	EA	6,015.01	60,150
Shower heads and control, penal	10	EA	1,439.35	14,393
Plumbing rough-ins	20	EA	1,200.00	24,000
Floor drains	10	EA	886.05	8,861
Surface mounted detention grade light - furnish/install	10	EA	910.00	9,100
Circuits and connections	10	EA	172.08	1,721
				240,010
Contractor's Performance & Payment Bonds	1.00%			2,400
Trade Contractor General Conditions			Included Where Applicable	
SUB TOTAL CONSTRUCTION COST				242,410
Design Contingency	5.00%			12,121
Escalation/Bid Market Contingency	4.00%			10,181
SUB TOTAL CONSTRUCTION COST				264,712
CM General Conditions/General Requirements				-
CM Fee	3.00%			7,941
TOTAL CONSTRUCTION COSTS				272,653