



2375 Jordan Ave #7, Juneau Alaska 99801, 907-789-3350

Date: 2/5/2025

Electrical Construction Cost Estimate - CBJ Little Rock Dump Storage

Description - Provide power, access control, and comms at new fenced area. Includes cost for vertical pivot powered vehicle gate complete with access control, strut rack with power and comm enclosures and electronics, card readers, power panel in enclosure on rack, parking lot lights, poles, and foundations, all conduit, wire, junction boxes, and all associated labor. Includes front end server, licenses, camera and AC system programming, etc. Does not include utility agreements, any civil related work, environmental work, or fencing.

Labor wage w/ Benefits: \$95
 Labor Multiplier: 1.5
 Material Multiplier: 1.33

Material/Task	Quantity	Units	Cost/Unit	Material Total	Labor/Unit	Labor Total	Subtotals
Demolition & Construction							
Preliminary Demo, Misc. Coordination Work	1	ls	\$ 1,500.0				
Front End Access Control (AC) Video Security (VS) Setup	1	ls	\$ 40,000.0	\$ 53,200	24.00	\$ 3,420	
Access control / Video Security Central Server							
Access control / Video Security Site License							
AC / VSS Workstation with monitor							
AC badging printer, camera for credentialing							
Blank credentials, AC / VSS system programming & Owner Training							
Site Access Control (AC) Video Security (VS) Enclosure Complete	1	ls	\$ 50,000.0	\$ 66,500	40.00	\$ 5,700	
36" x 60" Stainless Steel Insulated Enclosure with heaters, recs, lights							
AC system local 'door controller' with network card							
Enclosure DC power supply							
Hardened network switch							
Site Power Panel Enclosure Complete	1	ls	\$ 20,000.0	\$ 26,600	40.00	\$ 5,700	
24" x 30" Stainless Steel Enclosure with recs, lights							
120/208V, 125A, 208Y/120V, 3-phase, 4-wire NEMA 3R Panelboard							
Panelboard Surge Protection Device							
Post Rack with Stainless Steel Strut for Enclosures	1	ls	\$ 7,500.0	\$ 9,975	60.00	\$ 8,550	
Dual Height Card Readers on SS Pedestal	2	ea.	\$ 10,000.0	\$ 26,600	16.00	\$ 4,560	
Vertical Pivot Powered Gate, with conc. Base and operator	1	ls	\$ 75,000.0	\$ 99,750	40.00	\$ 5,700	
Gate Loop in Pavement, Elec at Operator, Grounding, Misc.	1	ls	\$ 2,500.0	\$ 3,325	30.00	\$ 4,275	
Long Range Vehicle Reader System	1	ls	\$ 12,000.0	\$ 15,960	24.00	\$ 3,420	
Video Security Camera, Exterior PTZ, PoE Powered, w/mount	4	ea.	\$ 4,000.0	\$ 21,280	6.00	\$ 3,420	
Parking Lot Light Pole	4	ea.	\$ 4,500.0	\$ 23,940	8.00	\$ 4,560	
Parking Lot Light Fixture	4	ea.	\$ 1,000.0	\$ 5,320	2.00	\$ 1,140	
Parking Lot Light Pole Base	4	ea.	\$ 1,500.0	\$ 7,980	8.00	\$ 4,560	
Power Wiring - 10 AWG XHHW-2 Conductors (4 cond ckt)	3000	ft.	\$ 2.00	\$ 7,980	0.06	\$ 25,650	
Comm Wiring - TSP CAT 6 cable	1000	ft.	\$ 0.50	\$ 665.0	0.02	\$ 2,850	
2" RMC Power Conduit	125	ft.	\$ 7.3	\$ 1,214	0.10	\$ 1,781	
2" SCH 40 PVC Power Conduit	700	ft.	\$ 4.0	\$ 3,724	0.06	\$ 5,985	
2" RMC Elbows	12	ea.	\$ 50.0	\$ 798	0.65	\$ 1,112	
2" RMC Ground Bushing	12	ea.	\$ 50.0	\$ 798	0.60	\$ 1,026	
2" PVC to RMC Couplers	8	ea.	\$ 32.0	\$ 340	0.25	\$ 285	
1" RMC Comm Conduit	125	ft.	\$ 3.3	\$ 549	0.07	\$ 1,247	
1" SCH 40 PVC Comm Conduit	125	ft.	\$ 2.7	\$ 449	0.07	\$ 1,247	
1" RMC Elbows	12	ea.	\$ 30.0	\$ 479	0.50	\$ 855	
1" RMC Ground Bushing	12	ea.	\$ 25.0	\$ 399	0.40	\$ 684	
1" PVC to RMC Couplers	8	ea.	\$ 25.0	\$ 266	0.25	\$ 285	
Trenching	700	ft.	\$ 2.0	\$ 1,862	0.10	\$ 9,975	
Type 1A in-ground junction boxes	4	ea.	\$ 500.0	\$ 2,660	4.00	\$ 2,280	
Subtotals				\$ 382,612		\$ 110,267	\$ 492,879
Contingency (25%)							\$ 123,220
Profit (10%)							\$ 49,288
Total Electrical							\$ 665,387