

Jimmy Huntington Building
714 Fourth Avenue, Suite 201
Fairbanks, AK 99701



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Fairbanks, AK 99707

November 2, 2009

Ms. Martha Gray
Division Chief/Contracting Officer
Defense Energy Support Center
8725 John J. Kingman Road, Suite 3830
Fort Belvoir, VA 22060-6222

Re: Response to RFP - Project # FWA-09-021 - Service Connections to Building FTW 336A, Aircraft Parts Storage at Fort Wainwright, Alaska.

Dear Martha,

On September 16, 2009, we received a Notice to Proceed (NTP) on the design and engineering of the FWA-09-021 project. This proposal is in response to the same NTP requesting submittal of a proposal for the service connections based on 100% designs by October 30, 2009.

Assuming we receive a timely NTP, we expect to have the utility connections installed and complete by August 31, 2010.

Below is a brief description of the proposed project; a cost estimate is attached:

Doyon Utilities will provide labor, materials and engineering for the construction and connection of electrical, water, wastewater and heat distribution systems to the FTW 336A (Aircraft Parts Storage) building.

The electrical portion of this proposal includes the installation of a pad mount transformer, primary riser, metering equipment, disconnect switch, URD secondary, 250 watt HPS area lights with concrete foundations, lighting load center, one span of three phase primary, anchors, down guys, 7 & 13 jaw meters, a three-phase transformer bank and a 200A meter base.

The mechanical portion includes the site preparation, demolition, rehab and repair, installation of all utilidor sections, steam and condensate piping, water and wastewater piping, and all installation of direct bury for steam, condensate, water and wastewater piping. Also included are the installation of hydrants, meters and vaults.

The project capital cost is estimated to be \$1,110,387. Additionally, the O&M operating expense estimate is \$19,185 relating to property taxes (2009 mill rate of 17.278 used for estimate). The RFP requested that we include financial impacts for both Rate Base and CIAC:

- Rate Base – In CY#3, the estimated financial impact to the tariff rate is approximately \$7,762/month and in CY#4 is \$13,189/month.
- CIAC – In CY#3, the estimated financial impact to the tariff rate is approximately \$2,169/month and the estimated financial impact to the operating fee is \$4,580/month. In CY#4 the estimated financial impact to the tariff rate is approximately \$4,284/month and the estimated financial impact to the operating fee is \$4,488/month.

Please feel free to call if you have any questions or need further clarification.

Sincerely,



Patrick J. Driscoll, P.E.
Vice President of Operations
Doyon Utilities, LLC

CC: B. Koessel, Contract Specialist, DESC
B. Sinigaglio, Utility Chief, FWA Garrison
D. Diehl, COR, FWA Garrison
J. Kalmbacher, COR, FWA Garrison
J. Stigge, Senior Project Manager, C.H. Guernsey
J. Hoppe, Senior Project Manager, C.H. Guernsey
S. Coiley, FWA Site Manager, Doyon Utilities

Attachments:

Doyon Utilities Project Costing Worksheets – Project #FWA-10-021

Project Cost Estimating Worksheet

Fort Wainwright FTW336A Utility Service Lateral from Existing Mains to Aircraft Parts Storage

Item	Year Inst	Quantity	Unit Cost	RCN	Contractors Mark-ups %										Engineering Services %			RCN Total w. Engineering	Design Life	RYN (Repl. Year New)	RDL (Repl. Design Life)
					Contingency	Bonds & Insurance	General Conditions	Contractors G&A	Contractors Profit	RCN (Total Installed)	Studies & Pre-Design	Design	Services During Construction(3% & Commissioning (2%))	Fee's on Studies & Design							
Service utilidor w/ HDS & WDS ---- WWCS direct buried next to new utilidor																	CY				
Site Preparation & Access																					
site preparation, overburden excavation and removal, sedimentation control	2010	200	LF	\$ 50	10,000	5%	2%	5%	12.2%	10%	\$ 13,879		5%	10%	\$ 14,573	75		75			
isolation tenting, ventilation, lid removal and cribbing, isolation bulkheads, repair or replacement of broken utilidor roof panels	2010	200	LF	\$ 25	5,000	5%	2%	5%	12.2%	10%	\$ 6,940		5%	10%	\$ 7,287	75		75			
utilidor roof panel clean-up and reinstallation; backfill; finish grading; pavement repair; turf and landscape repair.	2010	200	LF	\$ 75	15,000	5%	2%	5%	12.2%	10%	\$ 20,819		5%	10%	\$ 21,860	75		75			
Asbestos Containing Material Abatement																					
Utilidor Steam Piping System - includes demolition of existing pipes and supports; installation of new pipe; installation of new supports, expansion compensation and anchor systems; new insulation; reconnect or replace service laterals as required.																					
Carbon steel piping, ASTM A106, seamless, standard wall; forged carbon steel fittings; forged carbon steel valves (2" and smaller); cast carbon steel valves (3" and larger); externally pressurized expansion joints; all welded piping system.																					
utilidor installed steam piping - 3" diameter	2010	400	LF	\$ 233	93,200	5%	2%	5%	12.2%	10%	\$ 129,354		5%	10%	\$ 135,822	60		60			
Utilidor Condensate Piping System - includes demolition of existing pipes and supports; installation of new pipe; installation of new supports, expansion compensation and anchor systems; new insulation; reconnect or replace service laterals as required.																					
Stainless steel piping, ASTM A312, Type 316L, schedule 10S; wrought stainless steel fittings; forged stainless steel valves (2" and smaller); cast stainless steel valves (3" and larger); externally pressurized expansion joints; all welded piping system.																					
utilidor installed condensate piping - 1½" diameter	2010	400	LF	\$ 205	82,000	5%	2%	5%	12.2%	10%	\$ 113,809		5%	10%	\$ 119,500	40		40			
Utilidor Water Piping System - includes demolition of existing pipes and supports; installation of new pipe; installation of new support and anchor systems; new insulation and tracing; reconnect or replace service laterals as required.																					
Copper tubing (3" and smaller), ASTM B88, type K; cast bronze fittings, ASTM A536; cast bronze valves; mechanical couplings for roll grooved piping system.																					
utilidor installed water piping - 2" diameter	2010	400	LF	\$ 63	25,200	5%	2%	5%	12.2%	10%	\$ 34,976		5%	10%	\$ 36,724	70		70			
Ductile iron piping (4" and larger), AWWA C151/A21.51, Class 53; cement lined, AWWA C104, standard; ductile iron fittings, ASTM A536; ductile iron valves; mechanical couplings for cut grooved and shouldered piping systems, AWWA C606.																					
utilidor installed water piping - 8" diameter	2010	250	LF	\$ 254	63,500	5%	2%	5%	12.2%	10%	\$ 88,133		5%	10%	\$ 92,540	70		70			
Utilidor Rehabilitation and Repair																					
Repair and recondition utilidor walls, floor and removable roof panels; repair/replace utilidor insulation and waterproofing system.	2010	150	LF	\$ 125	18,750	5%	2%	5%	12.2%	10%	\$ 26,023		5%	10%	\$ 27,325	75		75			
Raise elevation of manhole lid where required to eliminate seasonal flooding of utilidor system.	2010	4	EA	\$ 1,750	7,000	5%	2%	5%	12.2%	10%	\$ 9,715		5%	10%	\$ 10,201	75		75			
Repair/replace utilidor ventilation system in manhole lid (where required).	2010	6	EA	\$ 2,200	13,200	5%	2%	5%	12.2%	10%	\$ 18,321		5%	10%	\$ 19,237	75		75			

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Item	Year Inst	Quantity	Unit Cost	RCN	RCN (Total Installed)										Engineering Services %		RCN Total w. Engineering)	Design Life	RYN (Repl. Year New)	RDL (Repl. Design Life)
					Contingency	Bonds & Insurance	General Conditions	Contractors G&A	Contractors Profit		Studies & Pre-Design	Design	Services During Construction(3% & Commissioning (2%))	Fee's on Studies & Design						
Service utilidor w/ HDS & WDS ---- WWCS direct buried next to new utilidor																				
Replace manhole convenience power and lighting system (where required).	2010	6	EA	\$ 1,800	10.800	5%	2%	5%	12.2%	10%	\$ 14,990		5%	10%	\$ 15,739	25	CY	25		
Replace utilidor drainage system , sump pumps (where required)	2010	-	EA	\$ 2,600	-	5%	2%	5%	12.2%	10%	\$ -		5%	10%	\$ -	25		25		
Replace existing access hatches with new secure (lockable) hatches.	2010	6	EA	\$ 3,065	18.390	5%	2%	5%	12.2%	10%	\$ 25,524		5%	10%	\$ 26,800	75		75		
Utilidor Replacement - Includes removal and recycling of existing concrete utilidor elements. Replacement also includes mastic damp proofing, board insulation, access hatches, vents, lighting, and sumps with submersible pumps.																				
8 foot long precast concrete U-sections with precast concrete lids; ACI 317, 5000 psi concrete.																				
Precast concrete sections - 54" by 54"	2010	225	LF	\$ 630	141.750	5%	2%	5%	12.2%	10%	\$ 196,738		5%	10%	\$ 206,574	75		75		
Direct Buried Domestic Water Piping System - includes demolition of existing pipes; installation of new pipe; installation of new support / anchor system; reconnect or replace service laterals as required.																				
Ductile iron piping (4" and larger), AWWA C151/A21.51, Class 53; cement lined, AWWA C104, standard; ductile iron fittings, ASTM A536; ductile iron valves; mechanical couplings for cut grooved and shouldered piping systems, AWWA C606.																				
direct buried water main (DU Water Service Table March 2008) - 6" diameter	2010	100	LF	\$ 110	11.000	5%	2%	5%	12.2%	10%	\$ 15,267		5%	10%	\$ 16,030	70		70		
Direct Buried Sewer Piping System - includes demolition of existing pipes; installation of new pipe; installation of new support / anchor system; reconnect or replace service laterals as required.																				
Ductile iron piping (4" and larger), AWWA C151/A21.51, Class 53; cement lined, AWWA C104, standard; ductile iron fittings, ASTM A536; ductile iron valves; mechanical couplings for cut grooved and shouldered piping systems, AWWA C606.																				
Gravity:																				
direct buried sewer piping - 8" gravity	2010	400	LF	\$ 254	101.600	5%	2%	5%	12.2%	10%	\$ 141,013		5%	10%	\$ 148,063	70		70		
Force Main:																				
EDS																				
225kva 12.4Y/7.2 kv 277/480 Volt Padmount Transformer	2010	1	ea	\$ 8,500.00	8,500	5%	2%	5%	12.2%	10%	\$ 11,797		5%	10%	\$ 12,387	70		70		
13-Jaw 225 Amp Meterbase w/CK Closing Device	2010	1	ea	\$ 275.00	275	5%	2%	5%	12.2%	10%	\$ 382		5%	10%	\$ 401	70		70		
CT Enclosure	2010	1	ea	\$ 800.00	800	5%	2%	5%	12.2%	10%	\$ 1,110		5%	10%	\$ 1,166	70		70		
225A Service Rated NEMA 3R Circuit Breaker	2010	1	ea	\$ 1,250.00	1,250	5%	2%	5%	12.2%	10%	\$ 1,735		5%	10%	\$ 1,822	70		70		
400:5 CT's	2010	3	ea	\$ 350.00	1,050	5%	2%	5%	12.2%	10%	\$ 1,457		5%	10%	\$ 1,530	70		70		
13-Jaw FM9S Meter	2010	1	ea	\$ 220.00	220	5%	2%	5%	12.2%	10%	\$ 305		5%	10%	\$ 321	70		70		
UM1-1B Pad Assembly-Concrete	2010	1	ea	\$ 2,400.00	2,400	5%	2%	5%	12.2%	10%	\$ 3,331		5%	10%	\$ 3,498	70		70		
UC1X Three Phase Primary Riser	2010	1	ea	\$ 4,700.00	4,700	5%	2%	5%	12.2%	10%	\$ 6,523		5%	10%	\$ 6,849	70		70		
UM6-1 200A Load Break Elbow	2010	3	ea	\$ 350.00	1,050	5%	2%	5%	12.2%	10%	\$ 1,457		5%	10%	\$ 1,530	70		70		
1/0 15kv URD Concentric Primary Cable 133% Insulation	2010	225	FT	\$ 8.00	1,800	5%	2%	5%	12.2%	10%	\$ 2,498		5%	10%	\$ 2,623	70		70		
UM50-P-3 3" PVC Conduit	2010	110	FT	\$ 24.00	2,640	5%	2%	5%	12.2%	10%	\$ 3,664		5%	10%	\$ 3,847	70		70		
3" GRC Elbow	2010	4	ea	\$ 175.00	700	5%	2%	5%	12.2%	10%	\$ 972		5%	10%	\$ 1,020	70		70		
UM6-6 Ground Rod Assembly	2010	1	ea	\$ 175.00	175	5%	2%	5%	12.2%	10%	\$ 243		5%	10%	\$ 255	70		70		
250kcmil Secondary Conductor	2010	120	FT	\$ 7.00	840	5%	2%	5%	12.2%	10%	\$ 1,166		5%	10%	\$ 1,224	70		70		
G3.3 25kva 12.4/7.2kv 120/208 Volt Transformer	2010	3	ea	\$ 1,250.00	3,750	5%	2%	5%	12.2%	10%	\$ 5,205		5%	10%	\$ 5,465	70		70		

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						Contractors Mark-ups %	Contingency	Bonds & Insurance	General Conditions	Contractors G&A	Contractors Profit			Studies & Pre-Design	Design	Services During Construction(3% & Commissioning (2%))	Fee's on Studies & Design					
Service utilidor w/ HDS & WDS ---- WWCS direct buried next to new utilidor																						
UM6 Three Phase Secondary Riser 3/0 XHHW2	2010	300	FT	\$ 5.00	1,500	5%	2%	5%	12.2%	10%	\$ 2,082			5%	10%	\$ 2,186	70		70			
F2.8 Double Helix Anchor	2010	1	ea	\$ 400.00	400	5%	2%	5%	12.2%	10%	\$ 555			5%	10%	\$ 583	70		70			
E2.1X Single Down Guy Heavy Duty	2010	1	ea	\$ 350.00	350	5%	2%	5%	12.2%	10%	\$ 486			5%	10%	\$ 510	70		70			
1/0 ACSR Primary Conductor	2010	400	FT	\$ 6.00	2,400	5%	2%	5%	12.2%	10%	\$ 3,331			5%	10%	\$ 3,498	70		70			
C5.31X Single Deadend Neutral on X-arm	2010	1	ea	\$ 1,050.00	1,050	5%	2%	5%	12.2%	10%	\$ 1,457			5%	10%	\$ 1,530	70		70			
C1.41 Single Support Neutral on X-arm	2010	1	ea	\$ 625.00	625	5%	2%	5%	12.2%	10%	\$ 867			5%	10%	\$ 911	70		70			
H1.1 Ground Rod Assembly	2010	2	ea	\$ 175.00	350	5%	2%	5%	12.2%	10%	\$ 486			5%	10%	\$ 510	70		70			
P-45 45' cl 2 Wood Pole	2010	2	ea	\$ 2,600.00	5,200	5%	2%	5%	12.2%	10%	\$ 7,217			5%	10%	\$ 7,578	70		70			
	2010	-	LF		-	5%	2%	5%	12.2%	10%	\$ -			5%	10%	\$ -	70		70			
7-Jaw 200A Meterbase	2010	1	ea	\$ 275.00	275	5%	2%	5%	12.2%	10%	\$ 382			5%	10%	\$ 401	70		70			
7-Jaw 100A Meterbase	2010	1	ea	\$ 250.00	250	5%	2%	5%	12.2%	10%	\$ 347			5%	10%	\$ 364	70		70			
7-Jaw 200A FM16S Meter	2010	2	ea	\$ 200.00	400	5%	2%	5%	12.2%	10%	\$ 555			5%	10%	\$ 583	70		70			
100 Amp Lighting Load Control Center	2010	1	ea	\$ 3,600.00	3,600	5%	2%	5%	12.2%	10%	\$ 4,997			5%	10%	\$ 5,246	70		70			
Steel Light Pole (sigle fixture) w/250 Watt HPS Light	2010	4	ea	\$ 2,700.00	10,800	5%	2%	5%	12.2%	10%	\$ 14,990			5%	10%	\$ 15,739	70		70			
3/4" Lighting Branch Conduit w/#10	2010	200	FT	\$ 8.00	1,600	5%	2%	5%	12.2%	10%	\$ 2,221			5%	10%	\$ 2,332	70		70			
Light Standard - Concrete Foundation	2010	4	ea	\$ 1,950.00	7,800	5%	2%	5%	12.2%	10%	\$ 10,826			5%	10%	\$ 11,367	70		70			
	2010	-	LF		-	5%	2%	5%	12.2%	10%	\$ -			5%	10%	\$ -	70		70			
Other Project Specific Items																						
Fire hydrant - replacement including lateral piping, tracing and insulation	2010	2	EA	\$ 17,500	35,000	5%	2%	5%	12.2%	10%	\$ 48,577			5%	10%	\$ 51,006	25		25			
Steam Flow Meter - 3"	2010	1	EA	\$ 7,500	7,500	5%	2%	5%	12.2%	10%	\$ 10,409			5%	10%	\$ 10,930	25		25			
Water Flow Meter - 2"	2010	1	EA	\$ 2,300	2,300	5%	2%	5%	12.2%	10%	\$ 3,192			5%	10%	\$ 3,352	25		25			
Install Concrete Access Vaults	2010	2	EA	\$ 17,000	34,000	5%	2%	5%	12.2%	10%	\$ 47,189			5%	10%	\$ 49,549	25		25			
Total Project Cost					\$ 761,940						\$ 1,057,511					\$ 1,110,387			65			