

Price Analysis
 Bid No. PNC2116668C1
 Master Pump Station Controls Upgrade

Item #	Item	Qty	Unit	Cardinal Contractors, Inc.		CDM Smith Estimate Dated 2015	% Difference to Engineer's Estimate
				Unit Price	Total		
PNC2116668C1-01-01	Mobilization and Demobilization	1	lump sum	\$ 111,000.00	\$ 111,000.00	\$ 70,000.00	59%
PNC2116668C1-01-02	Performance and Payment Guaranty and Insurance	1	lump sum	\$ 101,000.00	\$ 101,000.00	\$ 70,000.00	44%
PNC2116668C1-01-03	All Work Required by Contract Documents	1	lump sum	\$ 3,423,000.00	\$ 3,423,000.00	\$ 2,762,750.00	24%
PNC2116668C1-01-04	F&I Electric Operators	1	lump sum	\$ 87,000.00	\$ 87,000.00	-	
PNC2116668C1-01-05	F&I Electro-Hydraulic Valve Actuator	1	lump sum	\$ 322,000.00	\$ 322,000.00	\$ 210,000.00	53%
PNC2116668C1-01-06	Graphic Programming Screens	1	lump sum	\$ 117,000.00	\$ 117,000.00	\$ 115,000.00	2%
	Subtotal				\$ 4,161,000.00	\$ 3,227,750.00	29%
	Allowances				\$ 102,250.00	\$ 102,250.00	
	Bid Total				\$ 4,263,250.00	\$ 3,330,000.00	28%

Cardinal Contractors, Inc. Voluntary Price Reduction		
Unit Price	Reduction	Total Price
\$ 111,000.00	\$	\$ 111,000.00
\$ 101,000.00	\$	\$ 101,000.00
\$ 3,400,000.00	\$	\$ 3,400,000.00
\$ 87,000.00	\$	\$ 87,000.00
Not Awarded		
\$ 117,000.00	\$	\$ 117,000.00
	\$	\$ 3,816,000.00
	\$	\$ 102,250.00
	\$	\$ 3,918,250.00

- 1) Cardinal Contractor's Inc. bid price is 28% over their engineers estimated for this project. The original estimate for this project was provided in 2015.
- 2) Consumer Price Index for Urban Wage Earners increased 8.67% from December 2015 to October 2018.
- 3) Producer Price Index for total mining, utilities and manufacturing industries increased 10.34% from December 2015 to October 2018.
- 4) Due to nature of the construction project, comparable items were not found for price comparison.

Line item 01-04 and 01-05 are optional items, Line 01-05 was not awarded.