

COUNCIL ACTION FORM

SUBJECT: INSTALLATION SERVICES FOR 69KV UG POWER CABLE AT TOP-O-HOLLOW SUBSTATION

BACKGROUND:

On June 12, 2018, City Council approved preliminary plans and specifications for Installation Services for 69kV UG Power Cable Top-O-Hollow. **This portion of the project is to contract for furnishing and installing 69 kV power cable and terminations for the Top-O-Hollow Substation.**

Bid documents were issued to seven companies and three plan rooms. The bid was advertised on the Current Bid Opportunities section of the Purchasing webpage and a Legal Notice was published on the websites of a contractor plan room service with statewide circulation and the Iowa League of Cities.

On June 27, 2018, two bids were received as demonstrated in the attached bid summary. Electric Services staff, along with an engineer from Dewild Grant Reckert & Associates (DGR) Company, reviewed the bids.

Electric Services staff and DGR have submitted clarifying questions to the apparent low bidder and are awaiting a response. Until a response is received, staff believes it would be appropriate to delay awarding the bid.

The approved FY 2017/18 CIP for Electric Services includes \$1,950,000 for the Top-O-Hollow Substation Expansion and Breaker Addition project. Iowa State University (ISU) will also provide funding for this project. ISU's share of the project is based on a load-ratio-share of the 69kV portion of this project at the time of implementation. For budgetary purposes, staff is assuming the ISU load-ratio-share to be 7% of the total project cost.

Originally this project was budgeted to provide overhead transmission lines from the substation. After review of the location, discussions with neighboring residents, and for increased reliability, staff determined that the lines leaving the substation should be installed underground. Underground lines will allow the substation design to be more compact and eliminate the need to build a storm water retention pond on the site.

To cover the new engineer's estimate, including the underground connection, unspent funds from three other current or recent CIP projects were moved to this project. These include \$800,000 from Transmission Reconstruction, \$331,652 from 69kV Switchyard Relay, and \$271,843 from Street Lights, for a total of \$1,404,495, bringing the total

amount of funding available for the project to be \$3,353,495. These funding transfers were approved by Council in May.

ALTERNATIVES:

1. Approve report of bids and delay award for the Installation Services for 69kV UG Power Cable Top-O-Hollow.
2. Award a contract to the apparent low bid.
3. Award a contract to the other bidder.
4. Reject all bids and direct staff to rebid.

CITY MANAGER'S RECOMMENDED ACTION:

This project will improve reliability of the 69kV transmission system, improve service to the customers served by this substation, improve worker safety, and provide improved protection to electrical assets from fault damage. **By choosing Alternative No. 1, staff will have more time to evaluate each bid and recommend an award that best meets the needs of the City of Ames.**

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as stated above.



**ITB 2018-179 Installation Services for 69 kV UG Power Cable for Top-O-Hollow Substation
Bid Summary**

Bidder:			Primoris Aevenia, Inc., Johnston, IA				Marmon Utility, LLC., Seymour, CT			
Unit	Description	Est. # Units	Labor	Materials	Labor & Materials	Extended Price	Labor	Materials	Labor & Materials	Extended Price
C1	Lightning arrester, 60 kV, 1Ø, station class	6	\$200.00	\$0.00	\$200.00	\$1,200.00	\$1,568.00		\$1,568.00	\$9,408.00
RD-1	69 kV Transmission Riser, 3Ø (ea.)	2	\$1,500.00	\$3,000.00	\$4,500.00	\$9,000.00	\$4,907.00	\$6,700.00	\$11,607.00	\$23,214.00
UCG	Cable System Grounding (as req'd)	1	\$1,500.00	\$1,500.00	\$3,000.00	\$3,000.00			\$12,875.00	\$12,875.00
UCG-4/0	4/0 Grounding Cable (Mft.)	0.690	\$2,000.00	\$3,500.00	\$5,500.00	\$3,795.00	\$11.03	\$11.43	\$22.46	\$15,497.40
UCT	Power Cable Termination (ea.)	12	\$1,775.00	\$3,875.00	\$5,650.00	\$67,800.00	\$7,300.00	\$4,316.00	\$11,616.00	\$139,392.00
UPC	Power Cable (Mft.)	2.070	\$3,000.00	\$33,250.00	\$36,250.00	\$75,037.50	\$31.38	\$12.80	\$44.18	\$91,452.60
UPS-SP	Power Cable, sapre (Mft.)	0.350	\$750.00	\$33,250.00	\$34,000.00	\$11,900.00		\$17.80	\$17.80	\$6,230.00
U1	Mobilization (as req'd.)	1	\$0.00	\$0.00	\$0.00	\$0.00				\$128,918.00
OVERALL PRICE:			\$171,732.50				\$426,987.00			