



City of Grand Forks
Staff Report
Committee of the Whole – September 23, 2019
City Council – October 7, 2019

APPROVED & ACCEPTED
by City Council

10/07/2019

Maureen Storstad
Maureen Storstad
City Auditor

Agenda Item: Fiber connection from the Purpur water tower to the Viking water tower

Submitted by: Melanie Parvey, Water Works Director

Staff Recommended Action: Approve bids to Fusion Automation in the amount of \$244,845.00 for City Project 8057 for the fiber connection from the Purpur water tower to the Viking water tower

September 23, 2019 – Committee Recommended Action: moved to council with recommendation to approve.

October 7, 2019 – Council Action: Motion by Vein, Second by Weigel to approve staff recommendation. Motion carried unanimously.

BACKGROUND: The City of Grand Forks is strategically placing and extending fiber optic cable to serve City facilities. This segment will connect the Purpur water tower to the Viking water tower. This will improve network connections, improve security, decrease service interruptions, and provide better service for and at these facilities.

ANALYSIS AND FINDINGS OF FACT:

- The fiber optic cabling extending to these City facilities will provide increased reliability within the Water Utility system.
- The Fiber will be a stronger and faster connection to provide data on these facilities through our SCADA system.
- The project also include purchasing of the networking equipment needed to connect existing fiber optic cable that has been installed to support city infrastructure including the Wastewater Treatment Plant, Regional Water Treatment Plant, Raw Water Intake, Purpur Water Tower, 7 Million Gallon Reservoir, Clearwell, Bailing Facility, Central Fire Department, PSTC, and Bus Garage.
- Engineer's construction estimate for the project is \$330,000 which includes \$140,000 for network equipment

SUPPORT MATERIALS:

- Bid tab City Project 8057.

Tabulation of Bids
 Grand Forks Fiber Connection from Purpur Water Tower to Viking Water Tower
 Grand Forks, ND
 AE2S Project No. P00105-2019-005, City Project No. 8057
 Bid Opening 2:00 PM, September 24, 2019


Contractor	Acknowledge Addendum 1 of 1	Bid Bond	Contractor's License	Affidavit of Non-Collusion	Bid Form	Total of All Unit Price Bid Items	Total of Cash Allowance Network Equipment (Marco Quote #055491)	Total Unit Price Bids and Equipment Allowance = Total Bid Price
1 Fusion Automation Inc.	✓	✓	✓	✓	✓	\$104,845.00	\$140,000.00	\$244,845.00
2 RBB Electric, Inc.	✓	✓	✓	✓	✓	\$179,371.40 *	\$140,000.00	\$319,371.40 *
3 Bergstrom Electric, Inc.	✓	✓	✓	✓	✓	\$228,739.20	\$140,000.00	\$368,739.20
<i>Engineer's Estimate</i>								

*Differs from "as-read" results due to mathematical error



Advanced Engineering and Environmental Services, Inc.
 4050 Garden View Drive, Suite 200
 Grand Forks, ND 58201
 Tel: 701-746-8087

True Tabulation of Bids
 Respectfully Submitted by:



 Brian Gaddie, PE