


CITY OF GAHANNA
DEPARTMENT OF TECHNOLOGY

TO: Thomas R. Kneeland
Members of Council
City Attorney

FROM: Rory C. Gaydos
Director of Technology

DATE: May 12, 2016

Subject: Report to Council, May 23, 2016

ACTION ITEMS:

The Technology Department respectfully requests the following Council Action:

Action Item #1 – Amendment to IRU for existing fibers in the fiber system with Gahanna-Jefferson Public School District:

The Department requests that Council authorize the Mayor to amend the current IRU between the Gahanna-Jefferson Public School District and the City of Gahanna whereas additional fibers are to be allocated for use by the Gahanna-Jefferson Public School District between Gahanna Lincoln High School, 140 S. Hamilton Road and Blacklick Elementary School, 6540 Havens Corners Road.

Purpose:

The Gahanna-Jefferson Public School District has requested connectivity through use of the City's fiber optic network from Gahanna Lincoln High School to Blacklick Elementary School. Connectivity is possible through our existing fiber infrastructure and the Columbus Traffic Signal System (CTTS), by which the City of Gahanna has usage for a 10 year term through an agreement signed by the City of Columbus and the City of Gahanna in 2014 (Memo of Optical Fiber Use Agreement GJPS and RCA attached).

Additional Information:

Bond repayment and maintenance fees were calculated based on the current agreement and would begin July 1, 2016.

Action Item #2 – Expansion of fiber optic system along Morse Road from Stelzer Road to Johnstown Road:

The Department requests that Council authorize the Mayor to enter into a purchase agreement between Columbus Fiber Network and the City of Gahanna for the purchase of 1.25" conduit from Stelzer Road to Johnstown Road along Morse Road with access to joint vault locations approximately every 1,500 feet (\$241,355.11); 144 count fiber installation with placement and splicing (\$77,986.24); and the Hamilton Rd. Extension – to extend trunk 1 with underground conduit and 144 count fiber installation north to Morse Rd. and splice as necessary (\$24,252.25). Total = \$343,593.60 (payable in 3 annual installments of 114,531.20).

Purpose:

In late 2015, a holistic fiber integrity analysis was performed by Columbus Fibernet (CFN) outlining four suggestions with high level budgetary costs included. One of these important recommendations was to build a new underground pathway from the current norther terminus of trunk 1 on N. Hamilton Road, north to Morse Road, then west on Morse Road to Stelzer Road to tie into CFN. The high level budgetary cost estimate for this was \$610,000 (Memo of Business Justification Report, CFN Purchase Agreement, Holistic Fiber Integrity Analysis, and RCA attached).

Additional Information:

Due to a good relationship and ongoing discussions with CFN, we became aware that a third party had contracted CFN to lay conduit and fiber assets across Morse Road spanning the distance of our municipal boarders. By essentially leveraging an existing construction project, cost savings can be recognized by both the City of Gahanna and CFN while expanding our GNET footprint across the city. Further, we would have the opportunity to leverage these new assets immediately and have the option to pay CFN at 0% interest over a 3 year period.

These funds have been appropriated in 2016 under the capital projects fund for capital improvement in the account (325.122.5596)

COUNCIL UPDATES:

Nothing at this time