

2019 No Tax Increase Bond Issue Project Information

Project Name: Network Infrastructure Priorities Phase I

Estimated Project Costs: \$975,000

Project Timeframe: 1 – 2 years

Project Scope/Details:

Replace existing aerial fiber with new buried fiber:

- Along Douglas from fire station one, to police headquarters.
- From The intersection of Hamblen Rd and Bailey Rd to Public Works operations.

Lay new fiber network to complete network connectivity to all city facilities.

- Connect Water via 3rd, Ward and Persels
- Connect Fire Station 2, via Scruggs and Colbern Rd.
- Connect Harris Park via Jefferson
- Longview Rec Center, via 3rd St.

Project Narrative (describe project value to public):

There are two components to these projects. Those include replacement of aging existing infrastructure, and development of new infrastructure.

The City currently owns aerial fiber runs that connect several critical facilities, including Police Headquarters, City Hall, Animal Control and Public Works Operations. These lines are showing their age and we have been notified by our contractors that repairs and splices are now difficult because the glass fibers have become brittle, and will soon reach a point where a repair might not be able to be made. The lines are also aerial, attached to existing telecommunication and power poles. These aerial lines run in areas where there is significant tree cover, increasing the likelihood of downed limbs severing the network connections. The first component of this would be to bury fiber optic in the following locations:

The City currently leases fiber network from the LS R7 school district to connect several of its facilities. The balance of phase of I is to implement city owned fiber to connect city facilities for IT needs, as well as support the growing need for fiber networks in other departments. Including Public Works, Police, and Fire.