



# City Council Report

**Date:** May 21, 2012  
**To:** City Council  
**Through:** Kari Kent, Deputy City Manager  
**From:** Beth Huning, City Engineer  
Rob Kidder, Assistant City Engineer  
**Subject:** ITD Conduit and Fiber System Expansion Project  
Utility and Public Safety Sites  
City Project No. 10-604-001  
City-wide

**Strategic  
Initiatives**



## Purpose and Recommendation

The purpose of this report is to provide information to the Council on the bids received for the Information Technology Department Conduit and Fiber System Expansion Project – Utility and Public Safety Sites. (See attached Exhibit “A” for work locations.) It is recommended that Council award this project to the lowest bidder, Roadway Electric LLC, for a total award amount of \$328,807.47.

## Background

This project is for the purchase and installation of fiber optic cable, conduit, fiber optic equipment and other related materials to improve connectivity to six public safety and utility sites. This will extend the City’s high-speed network to these facilities and will replace or supplement existing wireless (microwave or radio) connections and leased communication lines. The fiber will ultimately connect at the City’s Information Technology Department (59 E. 1<sup>st</sup> St.) and at each of the sites.

## Discussion

Existing leased lines and wireless communications are adequate for today’s basic requirements but will not support applications and services going forward. The City does not manage the leased lines making it difficult to schedule and manage downtimes, respond to outages, and plan future networked services. The City’s move to a unified communications platform that encompasses voice, data and video streaming

also cannot be effectively supported with the current infrastructure.

This project includes the installation of fiber optic cable and equipment to provide enhanced connectivity to the various sites.

### **Alternatives**

Council may choose not to award the contract. This is not recommended since it will adversely impact the operational effectiveness of the affected sites and will require the purchase of higher priced, leased connectivity options to maintain services.

### **Fiscal Impact**

The total award for this project is \$328,807.47, comprised of the lowest bid of \$298,915.88 plus \$29,891.59 (10% change order allowance). Funding is available in the FY 11/12 water and fire bonds capital programs and information technology department operations budget.

### **Coordinated With**

The Information Technology Department, Police Department, Water Resources Department, and Fire Department concur with this recommendation.