

Phase 1 installed conduit at the following locations:

- A northern alignment, along Doolittle Drive to the City border and around the Adams Avenue Tract;
- A loop around Marina Boulevard, Monarch Bay Drive, Fairway Drive and Catalina Street for future Shoreline service;
- An alignment along the Alvarado Street & Teagarden Street industrial corridors; and
- A critical loop redundancy between City Hall and the Main Library.

This contract utilized the remaining grant balance by installing an additional 1.3 miles of conduit along Washington Avenue completing a network loop between the Public Works Service Center on Chapman Road and conduit in San Leandro Boulevard at Polar Way. This alignment also includes conduit to two traffic signals for future signal interconnections and conduit to the San Leandro Hospital and the Ghirardelli Chocolate properties.

The total project expanded the City's communications network capability by installing approximately 9.4 miles of conduit ready to receive fiber optic cables. The City's fiber optic conduit network now exceeds 28 miles (Attachments - Fiber Optic Conduit Network Map).

In addition to promoting growth and creating jobs in the industrial sector, the extensive conduit network infrastructure also provides the opportunity for schools, the community and businesses throughout the City to easily connect to high-speed internet communication service.

Lit San Leandro has already installed several connections off the main fiber network and has completed plans to install fiber in the Marina expansion with the emergence of customers along that route. The San Leandro Unified School District has used various portions of the conduit network to connect all District campuses to their high speed data network.

The conduit network will attract and create numerous business opportunities specifically related to broadband and innovation, including:

- Climatec/Paradox Engineering Smart Lighting Project: In addition to thousands of street and building lights being replaced with energy-saving LED lights, the City is one of less than 100 U.S. cities with a "smart city" platform. This platform provides the City with an open technology architecture that allows a limitless number of applications (e.g. traffic, environmental monitoring, energy, etc.) and data to be developed, implemented and integrated into a single system.
- Implementation of the City's first public Wi-Fi hotspots ("WiFiber"), with the goal of developing Wi-Fi access across San Leandro. This is a key "digital divide" asset, eventually enabling San Leandro residents across all economic groups with access to fast broadband.
- National recognition of San Leandro as a leader in "smart city" development through its work with organizations like U.S. Ignite, Smart Cities Council, Next Century Cities and the Global Cities Team Challenge.

Analysis

On May 1, 2017, the City Council awarded the construction contract for the Fiber Conduit Network

Extension Project to Cal Electro, Incorporated. The construction phase is now complete. The work was inspected and deemed to comply with the contract documents and City standards.

Current Agency Policies

Maintain and enhance the City's infrastructure
Advance projects and programs promoting sustainable economic development, including transforming San Leandro into a center for innovation.

Previous Actions

- On May 1, 2017 by Resolution No. 2017-067, the City Council awarded a contract for construction of the work to Cal Electro, Inc.

Applicable General Plan Policies

Economic Development Goal ED-1

Attract jobs and investment across all economic sectors.

Economic Development Goal ED-3

Adapt, reimagine, and reinvent traditional business models to put San Leandro on the leading edge of the innovation economy.

Community Services and Facilities Goal CSF-4 Maximize access to information and communication services for San Leandro residents and businesses.

Permits and/or Variances Granted

Union Pacific Railroad issued Wireline Crossing Agreements for the locations where the project crossed railroad right of way.

Environmental Review

This project is categorically exempt from the California Environmental Quality Act (CEQA) per Section 15304(f) of the CEQA guidelines. The Notice of Exemption was filed with the Alameda County Recorder on May 10, 2013.

Summary of Public Outreach Efforts

- The Notice to Bidders was published in the Daily Review, the South County Post, Visión Hispana and the World Journal.
- Notices were issued to twenty-one builders' exchanges and construction data firms as well as a list of contractors that have asked to be notified of bidding opportunities via email about the advertisement of the subject project.
- The project was described on the Engineering and Transportation Department website.
- Prior to construction, the contractor notified residents and businesses regarding the

project and project schedule

Fiscal Impacts

A summary of the construction contract with Cal Electro, Inc., is below:

Original Contract	\$ 427,830
Change Orders	<u>\$ 18,383</u>
Total Contract Amount	\$ 446,213

The total project cost is \$2,648,000 including design, construction administration plus work completed previously under this grant funding.

Budget Authority

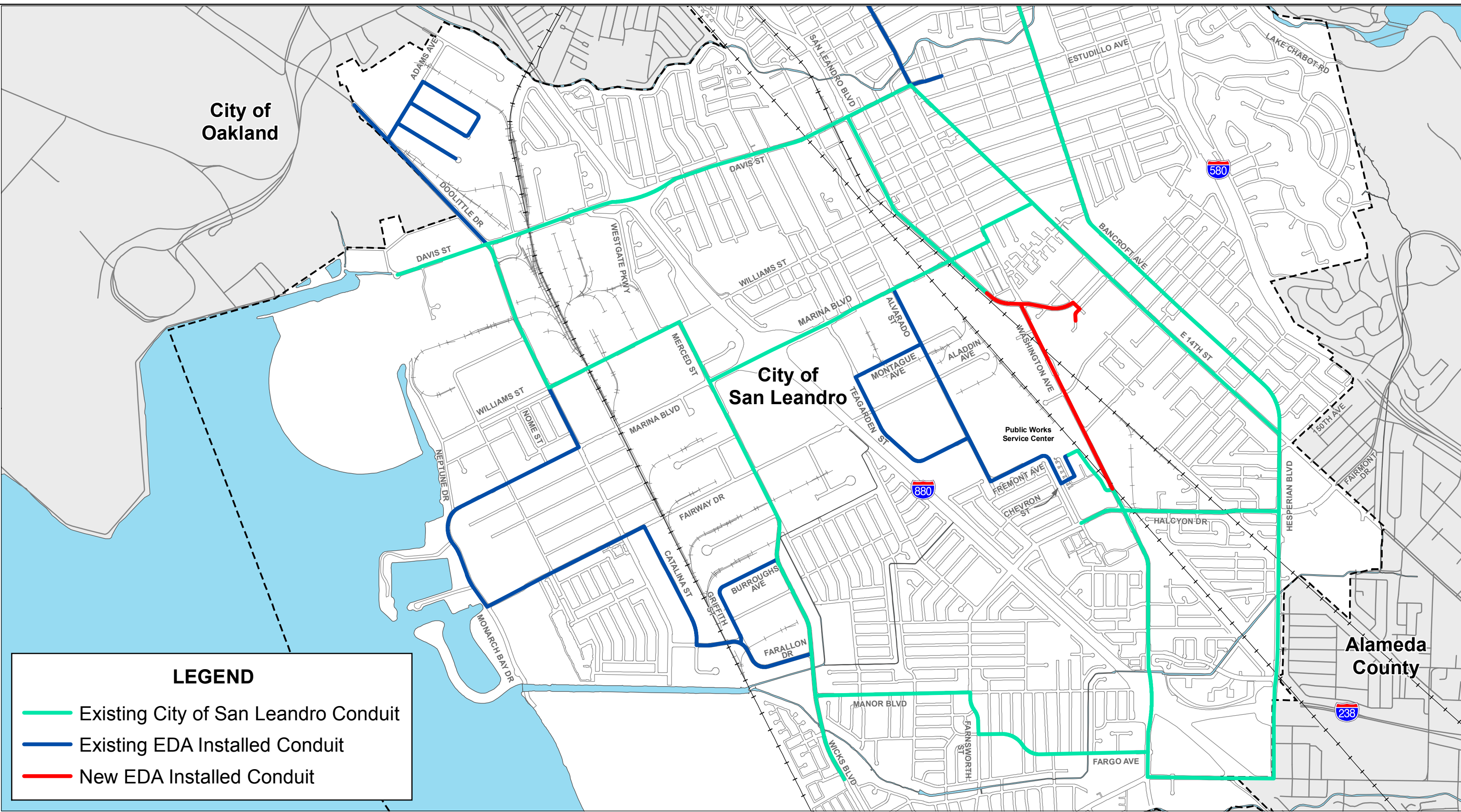
The funding for the entire project is as follows:

<u>Account No.</u>	<u>Source. & Approp. Date</u>	<u>Appropriation Amount</u>
150-38-347	EDA Grant, FY 2012-13	\$2,121,000
120-38-347	DFSI, FY 2012-13	150,000
210-38-347	CIP Fund, FY 2012-13	352,000
<u>120-28-196</u>	<u>DFSI, FY 2016-17</u>	<u>25,000</u>
Subtotal		\$2,648,000

ATTACHMENT

- Fiber Optic Conduit Network Map

PREPARED BY: John O'Driscoll, Associate Engineer, Engineering and Transportation Department



Fiber Optic Conduit Network Map



City of San Leandro

Meeting Date: October 16, 2017

Resolution - Council

File Number: 17-477 **Agenda Section:** CONSENT CALENDAR

Agenda Number:

TO: City Council

FROM: Chris Zapata
City Manager

BY: Keith Cooke
Engineering & Transportation Director

FINANCE REVIEW: David Baum
Finance Director

TITLE: RESOLUTION Accepting the Work for the Fiber Conduit Network Extension Project, Project No. 2013.0320 (provides for accepting the work performed by Cal Electro, Inc., filing the Notice of Completion, releasing the performance and payment bonds, and releasing the maintenance bond upon completion of the one-year maintenance period)

WHEREAS, pursuant to a construction contract between the City of San Leandro and Cal Electro, Inc. approved on May 1, 2017 by Resolution No. 2017-067, Cal Electro, Inc. completed the Fiber Conduit Network Extension Project; and

WHEREAS, said work was completed in accordance with the plans and specifications and to the satisfaction of the Engineering and Transportation Director, who therefore recommends that said work be accepted.

NOW, THEREFORE, the City Council of the City of San Leandro does RESOLVE as follows:

1. That the work hereinbefore described is hereby accepted; and
2. That the City Clerk is hereby directed to file a Notice of Completion on said project;
and
3. That the bonds heretofore given for performance and payment of said conditions are hereby discharged and exonerated from further liability when the statute of limitations expires after the recording of the Notice of Completion; and
4. That upon completion of the one-year maintenance period established pursuant to said contract, and to the satisfaction of the Engineering and Transportation Director, the City Manager is hereby authorized to release the maintenance bond heretofore given for maintenance of the work hereinbefore described.