

Meeting Date: 11/26/2013

Report Type: Consent

Report ID: 2013-00835

Title: Award Contract: T Street Sewer Replacement, 19th-21st Street

Location: District 4

Issue: The project will replace existing deteriorated sewer pipes and associated appurtenances.

Recommendation: Pass a Motion approving the contract plans and specifications for the T Street Alley Sewer, 19th-21st Street project (X14010052), and awarding the contract to CSI Engineering for an amount not to exceed \$238,469.67.

Contact: Bill Busath, Engineering & Water Resources Manager, (916) 808-1434; Brett Grant, Supervising Engineer, (916) 808-1413, Department of Utilities

Presenter: None

Department: Department Of Utilities

Division: Engineering & Water Resources

Dept ID: 14001311

Attachments:

1-Description/Analysis

2-Background

3-Location Map

City Attorney Review

Approved as to Form

Joe Robinson

11/20/2013 11:06:36 AM

City Treasurer Review

Reviewed for Impact on Cash and Debt

Russell Fehr

11/13/2013 1:41:56 PM

Approvals/Acknowledgements

Department Director or Designee: Dave Brent - 11/18/2013 3:53:46 PM

Description/Analysis

Issue: The project will replace deteriorated portions of the existing 8-inch combined sewer pipes in T Street and 20th Street, and will abandon and reroute a section of combined sewer main crushed beneath the railroad and light rail tracks in T Street. Additionally, manholes, drain inlets, sewer services and cleanouts will be replaced and/or constructed as part of this project. Consistent with the criteria set forth in the Department of Utilities' (DOU's) Capital Improvement Programming Guide, these sections of pipe have failed and replacement is necessary.

Policy Considerations: Rehabilitation of aging and deteriorated sewer pipes is consistent with the DOU's Capital Improvement Programming Guide to rehabilitate, replace, and expand critical infrastructure to ensure reliability and safety of the City's sewer system. The requested action is in conformance with City Code Chapter 3.60, Articles I and III, which provide that the City Council may award competitively bid contracts to the lowest responsible bidder. Staff has verified or will verify prior to the Notice to Proceed, that the bonds and insurance required for this project are valid.

Economic Impacts:

This infrastructure repair project is expected to create 1.0 total job (0.6 direct job and 0.4 job through indirect and induced activities) and create \$147,239 in total economic output (\$92,806 of direct output and another \$54,433 of output through indirect and induced activities).

The indicated economic impacts are estimates calculated using a calculation tool developed by the Center for Strategic Economic Research (CSER). CSER utilized the IMPLAN input-output model (2009 coefficients) to quantify the economic impacts of a hypothetical \$1 million of spending in various construction categories within the City of Sacramento in an average one-year period. Actual impacts could differ significantly from the estimates and neither the City of Sacramento nor CSER shall be held responsible for consequences resulting from such differences.

Environmental Considerations: The Community Development Department, Environmental Planning Division, has reviewed the proposed project and has determined that this project is categorically exempt from the California Environmental Quality Act (CEQA) under Class 2 and Section Number 15302 of the CEQA Guidelines, as the project consists of the replacement of deteriorating existing combined sewer pipe and other related utility structures where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced.

Sustainability: The project is consistent with the City's Sustainability Master Plan by reducing sanitary sewer outflows, which is one of the City's sustainability targets; and by improving reliability, which will reduce energy-intensive maintenance efforts.

Commission/Committee Action: Not applicable.

Rationale for Recommendation: Engineering Services advertised the project to solicit bids in accordance with City Code Chapter 3.60 and Administrative Policy Number 4002. Six bids were received and opened by the City Clerk on October 16, 2013. The lowest responsive and responsible bidder is CSI Engineering. Staff recommends the contract be awarded to CSI Engineering for an amount not to exceed \$238,469.67.

Financial Considerations: With the construction contract for an amount not to exceed \$238,469.67 the total costs for design, inspection, construction, and contingency are estimated to be \$330,000. The project budget is \$342,845, which is adequate for the completion of the T Street Alley Sewer, 19th-21st project (X14010052).

Emerging Small Business Development (ESBD): This project included a participation requirement of 20% for emerging and small business enterprises (ESBEs). The lowest responsible bidder, CSI Engineering, exceeded the ESBE participation requirement with a participation level of 91.6%.

Attachment 1

Background

The pipeline segments to be replaced by this project include 8-inch combined sewer (CS) mains that were originally constructed in 1908 and 1909 using vitrified clay pipe (VCP). Closed-Circuit Television (CCTV) inspection indicates that the main is in poor condition, portions of the pipe are cracked and crushed, manholes are in poor condition, and the surface east of the railroad crossing has started to sink. Maintenance crews note that, due to the location of the manhole between the railroad tracks and the light rail tracks, it is difficult to access and maintain this manhole and portions of the combined sewer main in T Street.

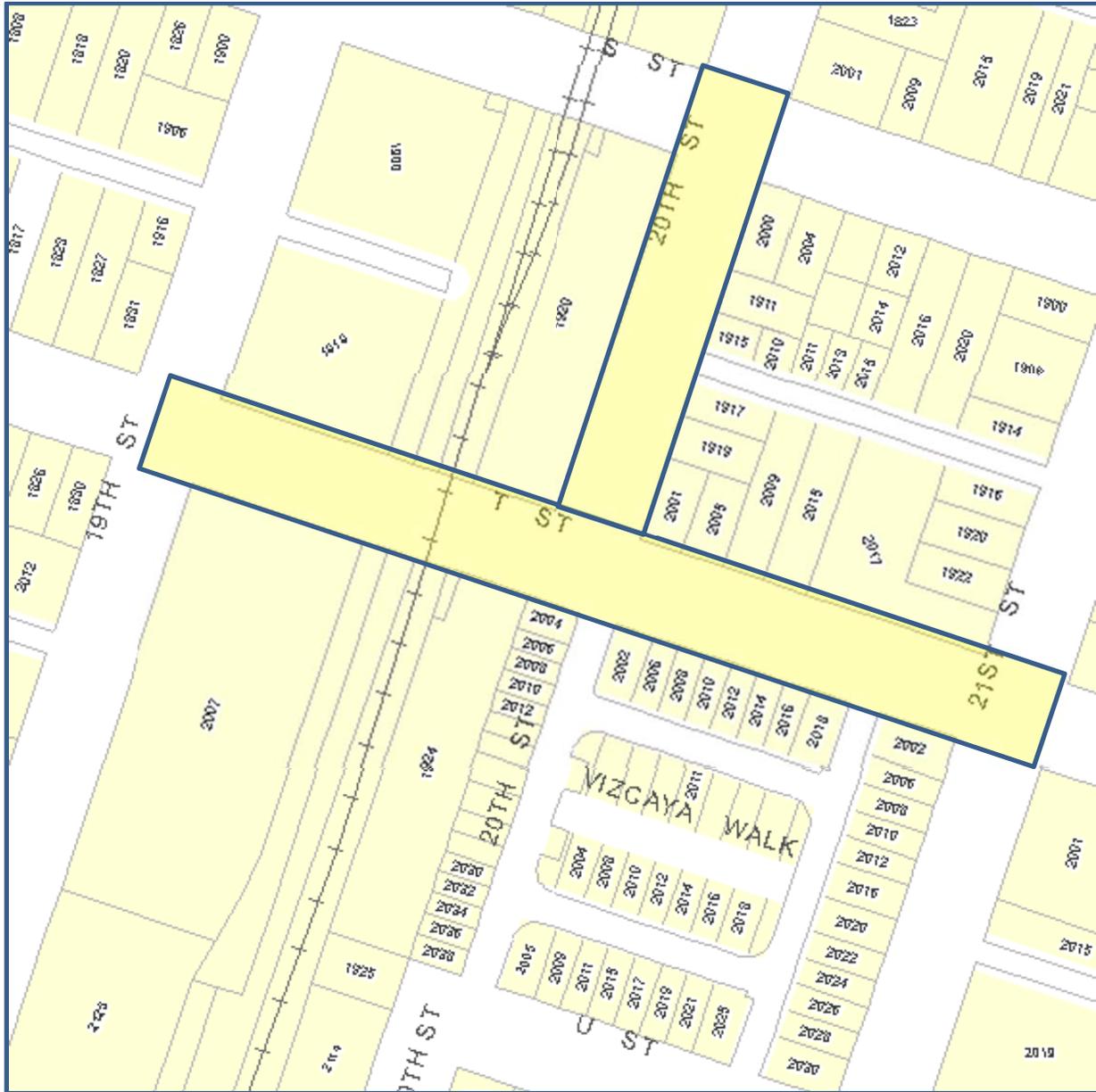
Consistent with the criteria set forth in the Department of Utilities' Capital Improvement Programming Guide, these sections of pipe have failed and replacement is necessary. This project will reconstruct sewer facilities within T Street from 19th-21st Street, and 20th Street from T Street to S Street. The work to be performed consists of constructing approximately 220 Linear Feet (LF), and replacing approximately 900 LF, of combined sewer pipeline, manholes, drains, sewer services, and associated work.

This project was advertised and six bids were received and opened on October 16, 2013. The bids are summarized below:

Contractor	Bid Amount
CSI General Engineering	\$238,469.67
Navajo Pipelines, Inc.	\$261,628.00
T and S Construction	\$277,026.00
Florez Paving	\$280,574.50
Civil Engineering Construction	\$356,519.00
Cal Sierra Construction, Inc.	\$397,606.75

The engineer's construction estimate was \$250,000.

LOCATION MAP
T Street Sewer Replacement, 19th-21st Street
X14010052



Project Location: T Street between 19th Street and 21st Street, 20th Street between T Street and S Street.