



REPORT TO COUNCIL

City of Sacramento

915 I Street, Sacramento, CA 95814-2604
www.CityofSacramento.org

Consent
September 8, 2009

Honorable Mayor and
Members of the City Council

**Title: Contract: 45th Street Water Transmission Main Project,
S Street to Y Street (Z14005100)**

Location/Council District: 45th Street from S Street to Y Street Council Districts 3 and 5.

Recommendation: Adopt a **Resolution:** 1) approving the contract plans and specifications for the 45th Street Water Transmission Main Project, S Street to Y Street (Z14005100); and 2) awarding the contract to T& S Construction Co, Inc for an amount not-to-exceed \$730,810.

Contact: David L. Brent, Engineering Services Manager, 808-1420; Dan Sherry, Supervising Engineer

Presenters: Not Applicable

Department: Utilities

Division: Engineering Services

Organization No: 14001321

Description/Analysis

Issue: In order to provide a safe and reliable water supply, the Department of Utilities has an ongoing program to replace old riveted steel water transmission mains installed in the downtown section of the City. The 45th Street Water Transmission Main Project is part of this program and replaces a 24 inch water line comprised of both riveted steel and welded steel that was installed in 1935. The project will occur in 45th Street and will extend from S Street to Y Street. This water main is a critical component of the City's downtown water distribution system.

Policy Considerations: The requested action is in conformance with City Code Section 3.60, Articles I and III, which provide for the award of competitively bid contracts to the lowest responsible bidder.

This report's recommendation is consistent with the City's Strategic Plan Goals of enhancing and preserving the neighborhoods and supporting the economic vitality of the area.

Environmental Considerations:

California Environmental Quality Act: The Development Services Department, Environmental Planning Services Division, has reviewed the proposed project and determined that it is categorically exempt from the provisions of CEQA (California Environmental Quality Act) under Class 1, Section number 15301 (b & d), and Class 2, Section number 15302(c).

Projects exempt under Class 1, Section 5301(b) provide for repair, maintenance or minor alteration of existing facilities used to provide sewerage or other public utility. Project exempted under Class 1, Section 15301(d) provide for restoration or rehabilitation of deteriorated or damaged structures, facilities or mechanical equipment (sewer mains and manholes) to meet current standards of public health and safety. Projects exempt under Class 2, Section 15302(c) provide for replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity.

Sustainability Considerations: This project is consistent with the City's Sustainability Master Plan by providing a safe and reliable water supply to the residents.

Other: Not applicable

Commission/Committee Action: Not applicable

Rationale for Recommendation: After the plans and specifications were completed by the Department of Utilities, Engineering Services, on July 22, 2009 the project was formally advertised to solicit bids. On August 19th, 2009, the City Clerk opened 10 bids. The lowest responsible bidder was T & S Construction Co, Inc. Staff recommends the contract be awarded to T & S Construction Co, Inc.

Financial Considerations: This report recommends awarding the construction contract to T & S Construction Co, Inc for the bid amount of \$730,810. The total estimated project cost including design, construction, inspection and contingency is \$1,222,454. There is sufficient Water funding in the 45th Street Water Transmission Main Project (PN:Z14005100, fund 6005) to complete the project.

Emerging Small Business Development (ESBD): This project included a participation goal of 20% for emerging and small business enterprise (ESBEs) as required by Ordinance 99-007 and Resolution 99-055, relating to ESBD participation goals and policies, adopted by the City Council on February 9, 1999. T & S Construction Co, Inc meets this goal with an ESBD participation level of 20.0%.

Respectfully Submitted by: 
David L. Brent
Engineering Services Manager

Approved by: 
Marty Hanneman
Director of Utilities

Recommendation Approved:

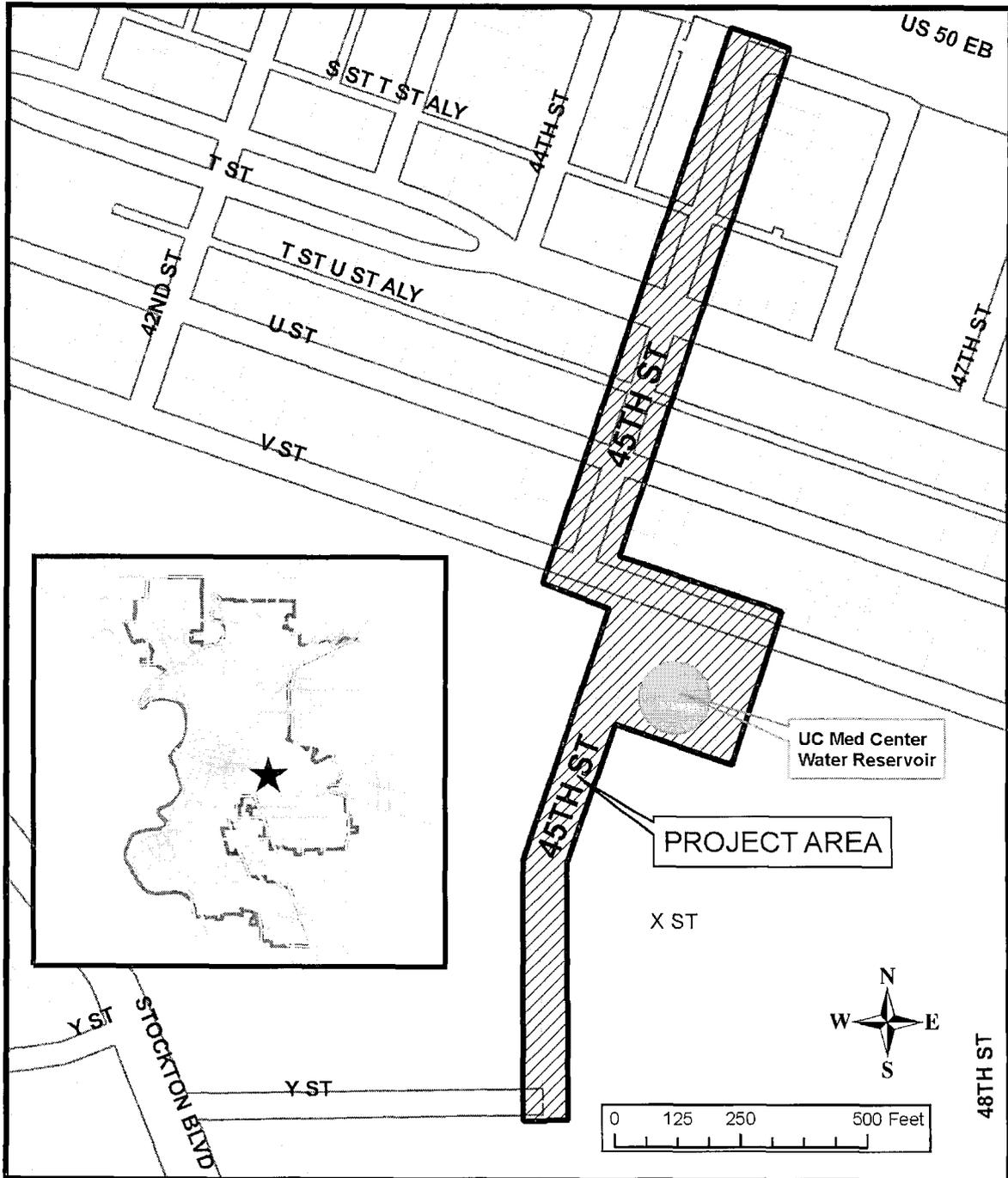

Ray Kerridge
City Manager

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ATTACHMENT 1

45th Street Water Transmission Main Project,
S Street to Y Street (Z14005100)



Attachment 2**BACKGROUND**

This project is intended to help ensure a reliable water supply system and reduce potential for water main breaks. At one time the downtown area had approximately 63,300 lineal feet of riveted steel water transmission main installed between the period 1870 and 1950. These large mains are considered some of the most critical components of the City's water distribution system and are essential in providing the proper water supply to residents and businesses. In 1998 the old riveted steel main along Q Street between 27th and 28th Streets broke and caused property damage resulting in numerous claims against the City.

To date, the Department of Utilities has replaced approximately 37,300 feet of the riveted steel main through capital improvement projects. When replacing these old steel water mains, City Staff examined and documented the condition of the existing steel pipe removed. Many sections of the steel pipe were found to have severe corrosion with some holes completely through the pipe.

The City is currently replacing 4000 lineal feet of water main along 12th Street under a separate contract and is preparing to replace an additional 2500 lineal feet of riveted steel water main along 6th Street.

The 24 inch diameter water main being replaced with this project is part of the City's downtown water transmission backbone. This existing main is located in 45th Street, from S Street to X Street, and provides the sole connection to one of the City's 3 million-gallon finished water storage tanks. These storage tanks are operated thorough out the year to provide for an emergency and operational reservoir of drinking water.

The project scope consists of replacing approximately 1,000 feet of riveted steel main, and an adjoining 1000 lineal feet of welded steel water main that were constructed in 1935. The combined 2000 lineal feet of steel water main is considered to have reached the end of a useful service life.

The project also installs smaller distribution main that will supply redundant water supply to the UC Davis Cancer Center on 45th Street between X Street and Y Street, as well as replacing fire hydrants currently fed from sections of the existing water transmission main being replaced.

To provide area residents with project and contact information the Department of Utilities has created an informational web page, and will also send out project fact sheets prior to beginning construction. Furthermore, during construction additional information will be distributed by the contractor.

The project was advertised for bid and ten (10) bids were received and opened on August 19th.

The bids are summarized below:

No.	Bidder	Bid Amount	ESBD Percent Participation
1	T & S Construction Co., Inc	\$ 730,810.00	20.0%
2	Martin General Engineering*	\$ 735,057.00	96.5%
3	Argonaut Constructors	\$ 758,035.00	27.7%
4	Civil Engineering Construction, Inc	\$ 793,300.00	98.7%
5	Lamon Construction Co., Inc	\$ 798,755.00	99.4%
6	Marques Pipeline	\$ 811,350.00	22.9%
7	Mountain Cascade, Inc	\$ 928,770.00	29.5%
8	Teichert Construction	\$ 933,725.00	40.2%
9	Preston Pipelines	\$ 980,350.00	100.0%
10	Dual Cal Builders**	\$ 1,040,023.00	98.3%

* Submitted bid contained mathematical errors. Initial bid of \$721,598 was adjusted to \$735,057 to correct for error, per bid specifications.

** Submitted bid contained mathematical errors. Initial bid of \$1,050,023 was adjusted to \$1,040,023 to correct for error, per bid specifications.

The Engineer's estimate for the construction cost was \$ 1,020,000.

Attachment 3

RESOLUTION NO.

Adopted by the Sacramento City Council

**45th Street Water Transmission Main Project,
S Street to Y Street (Z14005100)**

BACKGROUND

- A. The 45th Street Water Transmission Main Project, S Street to Y Street (Z14005100) replaces an old deteriorated pipeline constructed in 1935. Replacement of this key component to the water system will help ensure a safe and reliable water supply.
- B. City staff prepared a set of plans and specifications for the project and the project was advertised for bidding, with bids received on August 19, 2009.
- C. T & S Construction Co, Inc was the lowest responsible bidder.

**BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL
RESOLVES AS FOLLOWS:**

- Section 1. The contract plans and specifications for the 45th Street Water Transmission Main Project, S Street to Y Street (Z14005100) are approved, and the contract is awarded to T & S Construction Co, Inc Construction for an amount not to exceed \$730,810.