



# REPORT TO COUNCIL City of Sacramento

# 19

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

Consent  
June 16, 2009

Honorable Mayor and  
Members of the City Council

**Title: Contract: Main Avenue / Del Paso Road Water Transmission  
Main Project – Blackrock Drive to Rio Linda Blvd. (Z14005600)**

**Location/Council District:** Main Avenue / Del Paso Road from Black Rock Drive to Rio Linda Boulevard / Council Districts 1 and 2

**Recommendation:** Adopt a Resolution: 1) adopting the Mitigated Negative Declaration and Mitigation Reporting Plan; 2) approving the contract plans and specifications for the Main Avenue / Del Paso Road Water Transmission Main Project (Z14005600); and 3) awarding the contract to A Techert & Son Inc. DBA Teichert Construction for an amount not-to-exceed \$ 2,975,286.47.

**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:** Currently, only three water transmission mains supply water to the North Natomas area from the water treatment plants south of Interstate 80 (I-80). This project provides a much needed additional water supply to the North Natomas area by constructing a pipeline that connects an existing water transmission main in Rio Linda Blvd with an existing water transmission main in Main Avenue east of Truxel Road. The new water main will provide a more reliable water system for the North Natomas area.

**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:** In compliance with Section 15070(b)1 of the California Environmental Quality Act (CEQA) Guidelines, the Development Services Department, Environmental Planning Services prepared a Mitigated Negative Declaration (MND) and Mitigated Reporting Plan to mitigate potential environmental impacts. The MND document was circulated for a twenty day public review period starting July 24, 2008 and completing August 13, 2008. One comment letter was received from the Sacramento Area Sewer District pertaining to information on the location of their facilities and compliance with standards, policies and conditions. Mitigation measures have been included to reduce impacts associated with biological resources, hazardous substances, and cultural resources. The mitigation measures are incorporated into the construction documents. With the incorporation of the mitigation measures all impacts have been reduced to a less than significant level. The Mitigation Reporting Plan is attached as Exhibit A to the Resolution.

**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 April 20, 2009 the project was formally advertised to solicit bids. On May 13, 2009, the City Clerk opened 13 bids. The low bidder was Tiechert Construction. Staff recommends the contract be awarded to Teichert Construction.

**Financial Considerations:** This report recommends awarding the construction contract to A Teichert & Son Inc. DBA Teichert Construction for the bid amount of \$2,975,286.47. The total estimated project cost including design, construction, inspection and contingency is \$ 3,720,000. There is sufficient Water funding in the Main Avenue / Del Paso Road Water Transmission Main Project (PN:Z14005600, 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. A Teichert & Son Inc. DBA Teichert Construction exceeds this goal with an ESBD participation level of 20.437%.

Respectfully Submitted by:   
David L. Brent  
Engineering Services Manager

Approved by:   
Marty Hanneman  
ACM/Director of Utilities

Recommendation Approved:

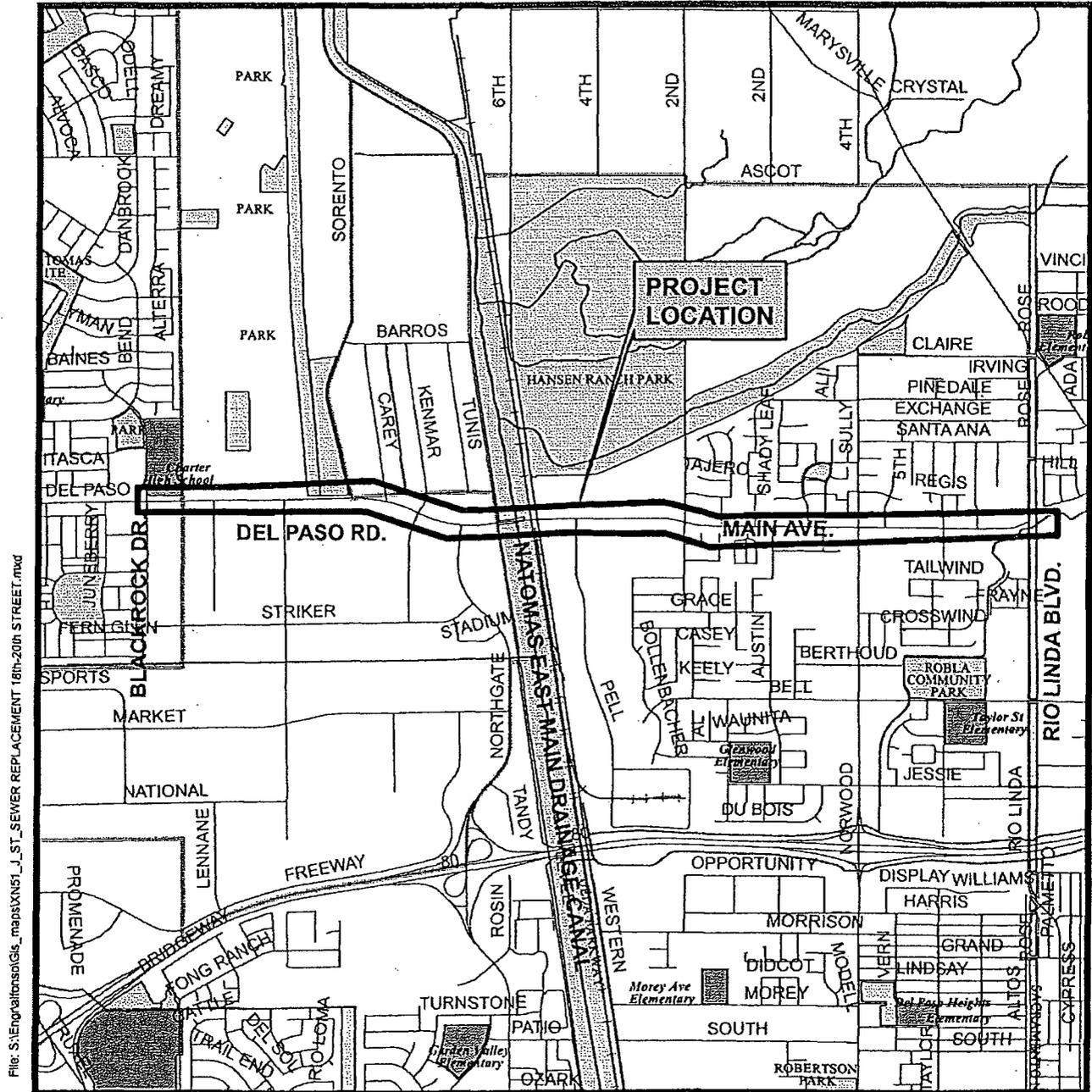
  
*for* Ray Kerridge  
City Manager

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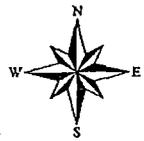
# ATTACHMENT 1

MAIN AVENUE/DEL PASO ROAD WATER TRANSMISSION MAIN  
BLACKROCK DR TO RIO LINDA  
(PN: Z14005600)



File: S:\Eng\Info\GIS\_maps\XIN51\_L\_ST\_SEWER REPLACEMENT 16th-20th STREET.mxd

Map Prepared By  
City of Sacramento  
Department of Utilities



**Attachment 2****BACKGROUND**

North Natomas is bordered by Interstate 80 (I-80) on the south, Sacramento County on the west, Elkhorn Boulevard on the north and Sacramento County on the east. Because of the geographical isolation of this area, it is limited to only three water mains that cross I-80 and feed water from the treatment plants south of it. These three water mains include: a 36 inch diameter main that crosses at San Juan Road; a 16 inch diameter main that crosses at Truxel road; and a 12 inch diameter water main that crosses near El Centro Road. With only three mains crossing I-80 and the given sizes of these mains, there is limited redundancy of water supply to the North Natomas area. To make the system more reliable, the Main Avenue / Del Paso Road Water Transmission Main, connects the dead end 24 inch main at Rio Linda Boulevard and Main Avenue intersection with the dead end 24 inch pipe on Main Avenue near Blackrock Road.

The primary project scope consists of installing approximately 12,300 lineal feet of 36 inch water main on Main Avenue from the connection to the existing 24 inch main east of Blackrock Drive and connecting to the existing 24 inch main at Rio Linda Boulevard. The new main will also connect to the existing twin 24 inch pipes in the Main Avenue Bridge and connect to the existing 12 inch diameter distribution mains at approximately three locations along the route.

From the connection point east of Blackrock Drive to the west levee of the East Main Drainage Canal, the project falls within the County of Sacramento. For the work performed in the County of Sacramento, the project obtained an encroachment permit.

To provide area residents with project and contact information, the Department of Utilities will send out project fact sheets prior to beginning construction. In addition, during construction additional information will be distributed by the contractor.

The project was advertised for bid and thirteen (13) bids were received and opened on May 13, 2009. The bids are summarized below:

	Bidder	Bid Amount	ESBD Percent Participation
1	A Teichert & Sons Inc Teichert Construction	\$2,975,286.47	20.437%
2	Civil Engineering Construction, Inc	\$3,251,191.25	97.539%

	Bidder	Bid Amount	ESBD Percent Participation
3	Mountain Cascade, Inc	\$3,479,338.00	24.114%
4	McGuire and Hester	\$3,554,042.70	22.014%
5	T&S Construction Co., Inc	\$3,584,687.22	20.002%
6	Tidelands Construction Company	\$3,751,939.70	23.256%
7	Argonaut Constructors	\$3,780,169.70	35.713%
8	Marques Pipeline, Inc.	\$3,846,937.70	21.056%
9	Southern California Pipeline, Inc.	\$3,996,387.15	22.270%
10	Navajo Pipelines, Inc.	\$4,304,359.00	78.060%
11	Preston Pipelines, Inc.	\$4,994,300.60	37.062%
12	Cal Sierra Construction, Inc.	\$5,357,192.70	21.382%
13	Sierra National Construction, Inc.	\$5,426,950.00	14.741%

The Engineer's estimate for the construction cost was \$ 4,518,000 .

**Attachment 3**

**RESOLUTION NO.**

Adopted by the Sacramento City Council

**Main Avenue / Del Paso Road Water Transmission Main Project  
Blackrock Drive to Rio Linda Boulevard (Z14005600)**

**BACKGROUND**

- A. The Main Avenue / Del Paso Road Water Transmission Main Project (Z14005600) will construct a new pipeline that will provide a more reliable water system for the North Natomas area.
- B. City staff prepared a set of plans and specifications for the project and the project was advertised for bidding, with bids received on May 13, 2009.
- C. A Teichert & Sons Inc. DBA Teichert Construction was the lowest responsible bidder.
- D. A Mitigated Negative Declaration (MND) for the Project was completed, noticed and circulated in accordance with the requirements of the California Environmental Quality Act (CEQA).

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

- Section 1. The City Council has reviewed and considered the information contained in the MND, including the initial study, the revisions and conditions incorporated into the Project, the comments received during the public review process and all other information of record, and has determined that the MND constitutes an adequate, accurate, objective and complete review of the environmental effects of the proposed Project.
- Section 2. Based on its review of the MND and on the basis of the whole record, the City Council finds that the MND reflects the City's independent judgment and analysis and that there is no substantial evidence that the Project will have a significant effect on the environment.
- Section 3. The City Council adopts the MND and Mitigation Reporting Plan for the Project.

Section 4. The documents and other materials that constitute the record of proceedings upon which the City Council has based its decision are located in and may be obtained from, the Office of the City Clerk at 915 I Street, Sacramento, California. The City Clerk is the custodian of records for all matters before the City Council.

Section 5. The contract plans and specifications for the Main Avenue / Del Paso Road Project (Z14005600) are approved, and the contract is awarded to A Teichert & Sons Inc. DBA Teichert Construction for an amount not to exceed \$2,975,286.47.

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Exhibit A: Mitigation Reporting Plan

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**Del Paso Road / Main Avenue Water Transmission Main Project  
(Z14005600)  
Mitigation Reporting Plan**

In January 1989, Assembly Bill 3180 went into effect requiring the City to monitor all mitigation measures applicable to this project and included in the Mitigated Negative Declaration. For this project, mitigation reporting will be performed by the City of Sacramento Department of Utilities in accordance with the monitoring and reporting program developed by the City to implement AB 3180.

This Mitigation Reporting Plan is being prepared by the Development Services Department, Environmental Planning Services, 300 Richards Boulevard, 3<sup>rd</sup> Floor, Sacramento, CA 95811, pursuant to the California Environmental Quality Guidelines, Section 21081.

**Project Number:** Z14005600 (ZL76)

**Project Name:** Del Paso Road / Main Avenue Water Transmission Main Project

**Project Location:** The project site is located within the northern area of the City of Sacramento, in Sacramento County, in the North Natomas and North Sacramento Community Plan areas. The water transmission main will be located within Del Paso Road (west of National Drive at the City boundary of the panhandle to the Main Avenue Bridge) and Main Avenue (from the east side of Main Avenue Bridge to Rio Linda Boulevard) in the City and County of Sacramento.

**Project Description:** The project scope would install 12,400 linear feet of new 36-inch transmission water main in Del Paso Rd. / Main Ave. from the City boundary, west of National Drive to Rio Linda Blvd. This new main will connect to the existing twin mains in the Main Ave. Bridge. Typical appurtenances to be placed on the new main include butterfly valves, air release valves, blow offs, standard fire hydrants, access maintenance holes, corrosion monitoring equipment, and gate valves necessary for the connection of the transmission main to the existing distribution system.

Approximately 2,650 feet of new 36-inch water transmission main will be placed in Del Paso Rd. from the City limits to the Main Ave. Bridge and 9,750 feet of new 36-inch water transmission main will be placed in Main Ave. from the Main Ave. Bridge to Rio Linda Blvd. The new water mains will connect to the existing manifolds on each side of the Main Ave. Bridge and to the existing distribution system. The size of the new transmission mains will be re-evaluated during the design to ensure that future water demands are met. The one restraint in sizing the new transmission mains is that the connection points for both sections of new mains is existing 24-inch main. However, future connections to larger diameter transmission mains will be considered.

**MITIGATION REPORTING PROGRAM CHECKLIST FOR THE  
DEL PASO ROAD / MAIN AVENUE WATER TRANSMISSION MAIN PROJECT  
MITIGATED NEGATIVE DECLARATION (Z14005600) (ZL76)**

Mitigation Measure	Reporting Milestone	Reporting / Responsible Party	VERIFICATION OF COMPLIANCE	
			Initials	Date
<b>BIOLOGICAL RESOURCES</b>				
<p>BR-1. No storage of materials or parking of vehicles may occur within the drip line of trees in the project area, except on paved streets.</p> <p>BR-2. If during trenching, tree roots 2-inches in diameter or greater are encountered, work shall stop immediately and the Contractor shall hire a certified arborist to conduct a root inspection. The root shall not be cut unless the arborist approves. Roots approved by the arborist to be severed during the course of the project construction shall be neatly trimmed. If a large number of roots require cutting, the tree will then have to be evaluated by the certified arborist for possible removal.</p> <p>BR-3. If construction activities will affect any of the limbs of the trees, a certified arborist shall be consulted prior to the cutting or removal of any limb. Limbs approved by the certified arborist to be severed during the course of the project construction shall be neatly trimmed.</p> <p>BR-4. The Contractor shall be responsible for damage to trees. Trees damaged by the Contractor during construction activities shall be assessed by a certified arborist using the International Society of Arborists (ISA) appraisal guide. The Contractor's responsibility for damaged trees will be determined by the certified arborist and submitted to the City for review.</p>	<p>Prior to and during construction –</p> <p>Note shall be written on all construction documents for implementation during construction</p> <p>Prior to and during construction –</p> <p>Note shall be written on all construction documents for implementation during construction</p>	<p>City of Sacramento Department of Utilities</p> <p>And</p> <p>Contractor</p> <p>City of Sacramento Department of Utilities</p> <p>And</p> <p>Contractor</p>		
<b>HAZARDOUS WASTE/MATERIALS</b>				

Mitigation Measure	Reporting Milestone	Reporting / Responsible Party	VERIFICATION OF COMPLIANCE	
			Initials	Date
<p>H-1. If contaminated soil and/or groundwater are encountered or if suspected contamination is encountered during project construction, work shall be halted in the area, and the type and extent of the contamination shall be identified. A qualified professional, in consultation with the appropriate federal state, and/or local regulatory agencies shall then develop an appropriate method to remediate the contamination.</p> <p>H-2. Strict on-site handling rules shall be implemented to minimize spills and keep potentially contaminated materials out of the drainage waterways.</p> <p>H-3. Wastes and petroleum products used during construction shall be collected and removed from the project site in accordance with the Resource Conservation and Recovery Act regulations and Fed/OSHA standards.</p> <p>H-4. A spill prevention plan shall be implemented to maintain the safety of the drainage waterways.</p>	<p>During construction – Note shall be written on all construction documents for implementation during construction.</p> <p>Prior to start of construction, Contractor shall provide to Department of Utilities and kept of file.</p>	<p>City of Sacramento Department of Utilities</p> <p>And</p> <p>Contractor</p> <p>City of Sacramento Department of Utilities</p> <p>And</p> <p>Contractor</p>		
<p><b>CULTURAL RESOURCES</b></p> <p>CR-1. Prior to excavation activities, the contractor shall have a qualified archaeological monitor under contract and on-call and contacted upon discovery of any cultural artifacts or human remains. If subsurface archaeological or historical remains are discovered during construction, work in the area shall stop immediately and the archaeological monitor shall be consulted to develop, if necessary, further mitigation measures to reduce any archaeological impact to a less-than-significant level before construction continues.</p>	<p>During construction – Note shall be written on all construction documents for implementation during construction.</p>	<p>City of Sacramento Department of Utilities</p> <p>And</p> <p>Contractor</p>		

Mitigation Measure	Reporting Milestone	Reporting / Responsible Party	VERIFICATION OF COMPLIANCE	
			Initials	Date
CR-2. If human burials are encountered, all work in the area shall stop immediately and the Sacramento County Coroner's office shall be notified immediately. If the remains are determined to be Native American in origin, both the Native American Heritage Commission and any identified descendants must be notified and recommendations for treatment solicited (CEQA Section 15064.5); Health and Safety Code Section 7050.5; Public Resources Code Section 5097.94 and 5097.98.				

