



# REPORT TO COUNCIL

## City of Sacramento

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

Consent  
August 10, 2010

Honorable Mayor and  
Members of the City Council

**Title: Contract: Sump 2A Pump Replacement Project, Phase 2 (X14003210)**

**Location/Council District:** Sump 2A, 3530 Riverside Blvd. / Council District 4

**Recommendation:** Adopt a **Resolution:** 1) establishing X14003210 for this project; 2) establishing revenue and expenditure budgets with reimbursement of project costs from Sacramento Regional County Sanitation District in the amount of \$1,300,000 (Fund 3702); and 3) approving the plans and specifications for this project, and awarding the contract to J.R. Filanc, for an amount not to exceed \$912,000.

**Contact:** David L. Brent, Engineering Services Manager, 808-1420; Rick Batha, Supervising Engineer, 808-1448

**Presenters:** Not applicable

**Department:** Utilities

**Division:** Engineering Services

**Organization No:** 14001321

### Description/Analysis

**Issue:** Sump 2A is a Sacramento Regional County Sanitation District (SRCSD) facility that the City leases, operates, and maintains as part of the City's Combined Sewer System (CSS). Three Dry Weather pumps in the facility handle the City's daily wastewater flows and some of the CSS storm flows. Rags were chronically plugging-up these three pumps causing pump efficiencies to drop and making the City more susceptible to CSS outflows during storm events. City Agreement No. 2008-0200 with SRCSD, authorized paying for the replacement of one of the three pumps with a Wemco Hidrostal pump as a demonstration project (Sump 2A Pump Replacement Project, Phase 1 (X14003200)), and similarly replacing the other two pumps if the demonstration adequately showed that replacement would resolve the operating deficiencies. Evaluation of the one installed demonstration pump has determined that replacement of the remaining two Dry Weather pumps will resolve the pump ragging/efficiency problems. Staff therefore recommends that the remaining two pumps be replaced.

**Policy Considerations:** The requested action is in conformance with City Council Resolution No. 2010-388, Sections 10.2 and 10.8, which require Council approval to establish CIP projects and make appropriation changes exceeding \$100,000, and City Code Chapter 3.60, Articles I and III, which provide for the award of competitively bid contracts to the lowest responsible bidder. This report's recommendations are consistent with the City's Strategic Plan goals of improving and expanding public safety and achieving sustainability and livability. Staff will verify prior to issuing the Notice to Proceed, that the required project bonds and insurance are valid.

**Environmental Considerations:**

**California Environmental Quality Act (CEQA):** This project only replaces existing pumps with new pumps that have substantially the same purpose and capacity. For this reason, the Community Development Department, Environmental Planning Services Division, has reviewed the proposed project and determined that it is categorically exempt from the provisions of CEQA under Class 2, Section number 15302(c) of the CEQA Guidelines.

A Notice of Categorical Exemption will be filed with the County Clerk if the City Council awards the contract.

**Sustainability Considerations:** 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.

**Other:** Not applicable.

**Commission/Committee Action:** Not applicable.

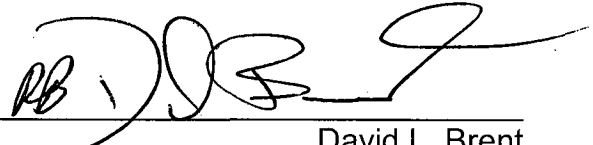
**Rationale for Recommendation:** In late 2009, the Phase 1 demonstration replacement of one of the three Sump 2A Dry Weather pumps was completed (Sump 2A Pump Replacement Phase 1 project (X14003200)). Following nearly six months of service, Sacramento Regional County Sanitation District (SRCSD) staff and City of Sacramento Utility Department staff jointly concluded that replacing the remaining two Dry Weather pumps with Wemco Hidrostal pumps will adequately resolve the ragging and loss of efficiency problems.

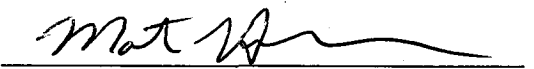
This project to replace the remaining two pumps, estimated by the engineer to cost \$1,000,000, was formally advertised for public bidding. Six (6) bids were received and opened by the City Clerk on July 14, 2010. The lowest bid was submitted by J.R. Filanc in the amount of \$912,000. Staff has verified the validity of their bid bond, determined their bid to be responsive, and recommends award to J.R. Filanc.

**Financial Considerations:** The total estimated Phase 2 project cost, including design, construction, inspection, and contingency, is \$1,300,000. Per City Agreement No. 2008-0200 (Contract No. 52195 with SRCSD), the City will be

reimbursed by SRCSD for the actual costs incurred. Staff recommends that revenue and expenditure budgets in the amount of \$1,300,000 be established for X14003210 (Fund 3702).

**Emerging Small Business Development (ESBD):** In accordance with City Ordinance 99-007 and Resolution 99-055 relating to ESBD participation, this project included a participation goal of 45% for emerging and small business enterprises (ESBEs). The bid from J.R. Filanc exceeds the ESBE goal with an anticipated participation level of 84%.

Respectfully Submitted by:   
David L. Brent  
Engineering Services Manager

Approved by:   
Marty Hanneman  
Director of Utilities

Recommendation Approved:

  
Gus Vina  
Interim City Manager

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**Attachment 1****Background**

Sacramento Regional County Sanitation District (SRCSD), per prior agreements, is responsible for reimbursing the City's operation and maintenance costs associated with the Sump 2A "Dry Weather" facilities. These include three pumps referred to as the "Dry Weather pumps" that handle the City's daily wastewater flows and a portion of the storm flows in the Combined Sewer System (CSS).

In 2000, City staff began noticing operating deficiencies in the Dry Weather pumps. City staff eventually determined that rags, primarily from inmates in the downtown County jail, were collecting on the impellers and reducing the pumping capacity. Reduced capacity increases the City's exposure to CSS outflows during storm events.

For several years after diagnosing the problem, City staff tried to remedy it by increasing pro-active maintenance and by using various Dry Weather Pump cycle time and pumping speed combinations to try and flush rags past the pumps. A consultant was also retained to evaluate different options. Replacement of the existing Morris brand pumps with Wemco Hidrostal pumps was identified as the lowest life-cycle cost alternative.

In 2008, the City and SRCSD executed agreement No. 2008-0200. This agreement provides for SRCSD to reimburse the City's costs for phased installation of Wemco Hidrostal pumps to replace the existing Morris brand Dry Weather pumps. The first phase of the project (Phase 1) was to install one Wemco Hidrostal replacement pump for review and demonstration purposes. Phase 1 (Project number X14003200) was completed in October 2009. In May 2010, City and SRCSD staff jointly evaluated the new pump and concluded that replacement of the remaining two pumps with Wemco Hidrostal pumps will adequately address the Dry Weather pump ragging and loss of efficiency problems. Staff therefore recommends proceeding with Phase 2 to replace the remaining two Morris brand pumps with Wemco Hidrostal pumps.

The Phase 2 Pump Replacement project was formally advertised. Six (6) bids were received and opened by the City Clerk on July 14, 2010. The bids were as follows:

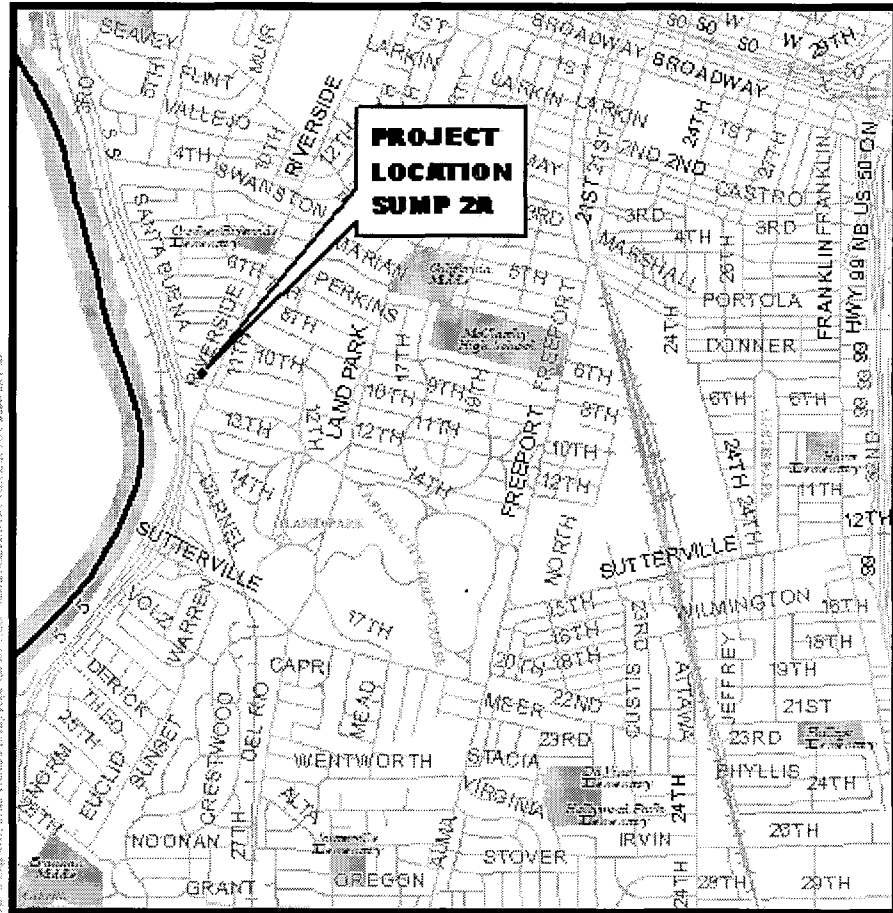
<b>Contractor</b>	<b>Bid Amount</b>
J.R. Filanc Construction Co., Inc.	\$912,000
TNT Industrial Contractors, Inc.	\$930,309
T & S Construction Co., Inc.	\$941,000
Clyde G. Steagall, Inc.	\$966,162
J.J.M Engineering Constructors, Inc.	\$984,413
Yamas Environmental Systems	\$1,056,355

The low bid received for construction of Phase 2 was 9% below the engineer's estimate. The recommended budget amount for Phase 2, including design, construction, inspection, and contingency is \$1,300,000. The total estimated project cost for Phases 1 and 2 combined is \$1,975,000, which is well below SRCSD's authorized upper limit of \$2,475,000 for reimbursement in Agreement No. 2008-0200.

A program code was set-up by City staff to track costs associated with preparing the Phase 2 Contract Documents. These costs will be transferred to X14003210 once authorized by Council.

Attachment 2

Location Map



Map Prepared By  
City of Sacramento  
Department of Utilities  
Prepared By: R. Jordan



**Attachment 3**

**RESOLUTION NO. 2010-**

Adopted by the Sacramento City Council

August 10, 2010

**APPROVING A CONTRACT: SUMP 2A PUMP REPLACEMENT PROJECT, PHASE 2**

**BACKGROUND**

- A. Rags in the sewer reduce capacity of the two remaining Morris brand Dry Weather Pumps at Sump 2A, which makes the City's combined sewer system more susceptible to outflows during storm events.
- B. City and Sacramento Regional County Sanitation District (SRCSD) staff jointly agree that replacing the two remaining Morris brand pumps with Wemco Hidrostal brand pumps will correct the reduced capacity problem, and City Agreement No. 2008-0200 provides for reimbursement by SRCSD of all projected City costs to replace these pumps.
- C. Contract documents to replace these two pumps were prepared and competitively bid. Of six (6) bids for this project received and opened July 14, 2010, J.R. Filanc was the lowest responsible bidder.

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

- Section 1. X14003210 is established as the Capital Improvement Program project for the Sump 2A Pump Replacement Project, Phase 2.
- Section 2. Revenue and Expenditure budgets in the amount of \$1,300,000 are established for X14003210 (Fund 3702) with project costs to be reimbursed by the Sacramento Regional County Sanitation District.
- Section 3. The plans and specifications for the Sump 2A Pump Replacement Project, Phase 2 (X14003210) are approved, and the contract is awarded to J.R. Filanc for an amount not to exceed \$912,000.