



AGENDA ITEM

Public Utilities Commission

City and County of San Francisco



DEPARTMENT Water Enterprise AGENDA NO. _____
 MEETING DATE April 17, 2009

Construction Award: Regular Calendar

SUMMARY OF PROPOSED COMMISSION ACTION

Approve the plans and specifications and **award** Water Enterprise, Water System Improvement Program-funded Contract No. WD-2548 Lake Merced Pump Station Essential Upgrade, in the amount of \$31,584,000 to the lowest, qualified, responsible and responsive bidder, Western Water Constructors.

BACKGROUND

Lake Merced Pump Station is the City's major pumping station and supplies water to the Sunset and Sutro Reservoirs, which in turn supplies water to other regions within the City. The continual operation of this facility is critical to the delivery of water to approximately 60% of San Francisco. It is therefore a vital component of the SFPUC City Distribution Division System.

Built in 1953, the existing pump station building, pumping equipment, mechanical and electrical systems have exceeded their useful life and are in need of replacement. The Sunset system pumps are inefficient and run off their design point. The Sunset system surge tank is deteriorated, inadequately supported on the hillside embankment, and inadequate to provide surge protection.

The station is vulnerable to earthquake damage as the surrounding soil is susceptible to seismic densification and liquefaction with potential deformation both vertically and laterally toward the lake. Maintenance is difficult as the station is cramped and it has not been upgraded to current building, electrical and seismic codes and Americans with Disabilities Act (ADA) requirements. The pump station and generator buildings also lack fire protection and ventilation systems.

This Lake Merced Pump Station Essential Upgrade project will construct a new Lake Merced pump station and electrical utility buildings and seismically upgrade the existing station structure. Outdated mechanical and electrical systems will be replaced with new pumps, motors, emergency generators, surge tanks, electrical distribution, and station control systems. Ground improvement will be made to

APPROVAL:

PERFORMING ORGANISATION _____

FINANCE Todd Rydstrom

COMMISSION SECRETARY Michael Housh

GENERAL MANAGER Ed Harrington

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stabilize the soil including the use of compaction grouting and cement deep soil mixing. Various other improvements will be made including security and landscape.

RESULT OF INACTION

A delay in award will result in the slippage in the construction schedule of this WSIP project and further jeopardize the Lake Merced pump station to seismic and operational vulnerabilities.

BUDGET

The baseline budget amount for this construction contract work is \$55,025,170. Funding is within the Project No. CUW30901 – Lake Merced Pump Station Essential Upgrade. The Engineer's Estimate and Third Party Independent Cost Estimate for this construction contract work is \$52,372,000 and \$51,610,000, respectively.

BID HISTORY

The contract was advertised in the San Francisco Chronicle on October 20, 2008. Sealed bids were received from ten (10) firms on December 18, 2008, as follows:

Bid Rank	Bid Amount	Bid Preference	Adjusted Bid	Adjusted Rank
C. Overaa & Co.	\$29,960,000	N/A	\$29,960,000	1
Western Water Constructors	\$31,584,000	N/A	\$31,584,000	2
Mountain Cascade	\$31,775,000	N/A	\$31,775,000	3
SJ Amoroso Construction	\$33,026,360	N/A	\$33,026,360	4
Shimmick Construction	\$33,081,000	N/A	\$33,081,000	5
Monterey Mechanical	\$34,695,000	N/A	\$34,695,000	6
Kiewit Pacific	\$34,794,000	N/A	\$34,794,000	7
Cal State/Pacific Mechanical JV	\$37,147,000	N/A	\$37,147,000	8
Ranger Pipeline	\$38,194,000	N/A	\$38,194,000	9
GSE Construction	\$40,211,000	N/A	\$40,211,000	10

Application of bid preferences do not apply to this contract as the engineer's estimate is in excess of \$10,000,000.

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C. Overaa & Co. withdrew their bid for this contract due to a clerical error that resulted in the omission of some items. Consequently, the final ranking was adjusted and Western Water Constructors is the next lowest bidder.

PROJECT REVIEW CHECKLIST *(for WSIP contract awards only)*

The attached Project Review Checklist documents all the reviews performed during the planning and design phases of Contract No. WD-2548.

SCHEDULE

Construction is anticipated to begin in March 30, 2009 and end in May 23, 2011. The time allowance for this contract is seven hundred eighty five (785) consecutive calendar days for substantial completion and ninety (90) days for the final completion.

ENVIRONMENTAL DETERMINATION

The Planning Department's Major Environmental Analysis Section has determined Contract No. WD-2548 to be categorically exempt from environmental review under the California Environmental Quality Act.

COMPLIANCE WITH CHAPTER 14B: LOCAL BUSINESS ENTERPRISE AND NON-DISCRIMINATION IN CONTRACTING ORDINANCE

An HRC subcontracting goal of 9% LBE participation has been established for this contract.

PROTEST

A protest of the award of this contract was filed by Mountain Cascade and SJ Amoroso. Both protests allege that the bid submitted by Western Water Constructors failed to meet the required 9% Local Business Enterprise (LBE) subcontractor participation goal for this contract.

HRC has determined that Western Water Constructors' bid meets LBE goals and is eligible for award. As such, both protests were determined to be without merit.

DESCRIPTION OF CONTRACT ACTION

Construction contract work is located at 991 Lake Merced Boulevard in San Francisco. The work under this contract consists of selective demolition of existing Lake Merced pump station structures; site compaction grouting and the construction of a cement deep soil mixing (CDSM) buttress wall system; seismic upgrade of existing pump station building; construction of a new Lake Merced pump station and utility buildings; replacement of mechanical and electrical systems, and various site improvements.

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Detail of Work under this Contract:

- Demolition of existing wood framed cottage and garage;
- Selective demolition of existing Lake Merced pump station and emergency generator buildings including selective removal/salvage of mechanical and electrical components, and infilling abandoned openings, sumps and pits;
- Removal and disposal of existing buried fuel and partially buried surge tank systems;
- Site compaction grouting and construction of a CDSM buttress wall system, including site excavation and recompaction;
- Seismic upgrade/retrofit of existing pump station building, including new metal roof, steel brace frame, drilled pier, and thickening of selected walls;
- Construction of a new Lake Merced pump station and new electrical utility buildings, including excavation, compaction, concrete foundations, retaining walls, and access ramps; and
- Provision of following improvements:
 - mechanical pumping systems including five horizontal spilt case pumps/motor assemblies, two vertical turbine pump/motor assemblies, related valves and appurtenances;
 - suction and discharge piping systems, including excavation, trench shoring/support and backfill for pipeline, valves and conduit construction;
 - surge tanks and compressed air system;
 - ventilation and exhaust systems;
 - chemical storage and injection system;
 - fire protection and alarm systems;
 - security monitoring systems;
 - electrical transformers, switchgears, and power distribution systems;
 - diesel emergency generators systems including transfer switch systems;
 - buried underground diesel fuel tanks and fuel piping systems;
 - communication, SCADA and I&C control systems;
 - perimeter security fence and lighting system;
 - site grading, paving, drainage and sewer modifications; and
 - landscape restoration including flow through planters systems, irrigation system, and various site improvements.

RECOMMENDATION

SFPUC staff recommends that the Commission adopt the attached resolution.

ATTACHMENTS

SFPUC Resolution

HRC memo

Project Review Checklist (for WSIP contract awards only)

Project Manager: Howard Fung

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. 09-0064

WHEREAS, Contract No. WD-2548, Lake Merced Pump Station Essential Upgrade was advertised on October 20, 2008; and

WHEREAS, The baseline budget amount is \$55,025,170 and the Engineer's Estimate is \$52,372,000 for this construction contract work; and

WHEREAS, The contract duration is seven hundred eighty-five (785) consecutive calendar days; and

WHEREAS, The Planning Department's Major Environmental Analysis Section has determined Contract No. WD-2548, Lake Merced Pump Station Essential Upgrade to be categorically exempt from environmental review under the California Environmental Quality Act; and

WHEREAS, Ten (10) bids were received and opened publicly on December 18, 2008; and

WHEREAS, SFPUC staff and Human Rights Commission review of the bids for qualifications, responsibility, responsiveness and application of bid preferences resulted in the establishment of Western Water Constructors as the lowest, qualified, responsible and responsive bidder; and

WHEREAS, An HRC subcontracting goal of 9% LBE participation has been established and approved for this contract; and

WHEREAS, The firm being awarded a contract by the SFPUC must be in compliance with the Equal Benefits Provisions of Chapter 12B of the City's Administrative Code either at the time of the award, or within 2 weeks of the date of the Commission award; failure of the bidder to obtain compliance certification from HRC may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

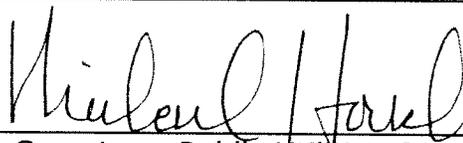
WHEREAS, Failure to reach successful agreement on contract terms and conditions within 60 days of the date of the Commission award may result in award of the contract to the next lowest, responsible and responsive bidder, or re-bidding of the contract at the discretion of the City; and

WHEREAS, Funds for this contract are available from Project No. CUW30901 – Lake Merced Pump Station Essential Upgrade; now, therefore, be it

RESOLVED, That this Commission hereby approves the plans and specifications and awards Water Enterprise Water System Improvement Program-funded Contract No. WD-2548, Lake Merced Pump Station Essential Upgrade, in the amount of \$31,584,000, to the lowest, qualified, responsible and responsive bidder, Western Water Constructors.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of _____

April 17, 2009

A handwritten signature in black ink, appearing to read "Michael H. Jones", written over a horizontal line.

Secretary, Public Utilities Commission



Gavin Newsom
Mayor

Chris Iglesias
Executive Director

MEMORANDUM

Date: January 26, 2009
To: Howard Fung, Project Manager, SFPUC
Pauline Lam, Senior Administrative Analyst, SFPUC
From: Alaric Degrafinried, Contract Compliance Officer, HRC
Subject: HRC Award Memo
WD-2548 (Lake Merced Pump Station Essential Upgrades Project)

The Human Rights Commission (HRC) has received the bids for the above referenced project and has conducted an evaluation for compliance with HRC requirements. A Local Business Enterprise (LBE) subcontracting participation goal of 9% was established for this contract.

Bid Discount

Bid discounts were not available for this project because the estimated cost is over \$10,000,000.

Bid Calculations

Ten (10) firms submitted bids as follows:

Bidder	LBE Status	Bid \$
C. Overaa & Co.*	-	\$29,960,000
Western Water Constructors	-	\$31,584,000
Mountain Cascade	-	\$31,775,000
SJ Amoroso Construction	-	\$33,026,360
Shimmick Construction	-	\$33,081,000
Monterey Mechanical	-	\$34,695,000
Kiewit Pacific	-	\$34,794,000
Cal State/Pacific Mechanical JV	-	\$37,147,000
Ranger Pipeline	-	\$38,194,000
GSE Construction	-	\$40,211,000

*C. Overaa & Co. withdrew their bid due to a clerical error.

LBE Subcontractor Participation Goals

Western Water Constructors' bid listed 9.0% participation by HRC-certified LBE subcontractors as detailed below:



Subcontractor	Service	LBE Status	LBE %
Bauman Landscape	Landscape	SF LBE-OBE	1.4%
Wizard of Metals	Metals	SF LBE-OBE	3.8%
D&M Plastering	Plastering	SF LBE-MBE	2.9%
Link International	Pumps	SF LBE-WBE	0.8%
Total			9.0%

Based on the information noted above, HRC has determined that Western Water Constructors is the lowest responsive bidder, has complied with pre-award HRC 14B requirements and is eligible for award of this contract.

Thanks for your help and should you have any additional questions and/or concerns please feel free to contact me at 415-554-3103.

WSIP Construction Contract/Bid Documents - Review and Approval Checklist

PROJECT/CONTRACT INFORMATION

Project No.: CUW30901 Project Name: LMPS Essential Upgrade
 Contract No.: WD-2548 Contract Name: LMPS Essential Upgrade

ENGINEER OF RECORD

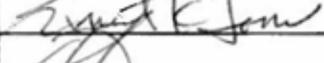
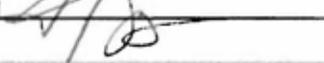
Project Designed by (check all that apply): EMB DPW Consultant(s) - List below

Name of Prime Consultant(s): URS Corp

Name (and Firm/Organizaton) of Engineer of Record: Garrett Low

RESPONSIBLE FOR OVERSEEING PREPARATION OF DESIGN DOCUMENTS

I hereby confirm that I have reviewed the design documents (drawings and specifications) for the WSIP project referenced herein and that I find them to be complete and ready to be advertised.

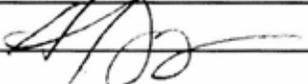
TITLE	PRINT NAME	SIGNATURE	DATE
Project Engineer (PE)	Garrett Low		10/15/08
Regional Project Engineer (RPE)	Ernie Tom		10/15/2008
Project Manager (PM)	Howard Fung		10/16/08

VERIFICATION OF REVIEWS OF DESIGN DOCUMENTS

I hereby confirm that (1) the design documents (drawings and specifications) for the WSIP project referenced herein are complete and ready to be advertised, (2) the design documents have been reviewed thoroughly by key WSIP Team members, including those listed below, and (3) all review comments were incorporated in the final design documents or were addressed separately.

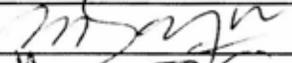
- | | |
|---|--|
| <input checked="" type="checkbox"/> EMB Manager | <input checked="" type="checkbox"/> Environmental PM (EPM)* |
| <input checked="" type="checkbox"/> Regional Construction Manager (RCM) | <input checked="" type="checkbox"/> WSIP Shutdown Coordinator* |
| <input checked="" type="checkbox"/> WE Operations Representative | <input type="checkbox"/> WSIP ROW Manager* |

* Only review section(s) relevant to area of responsibility.

TITLE	PRINT NAME	SIGNATURE	DATE
Regional PM (RPM)	Howard Fung		10/16/08

FINAL APPROVAL OF DESIGN DOCUMENTS

I hereby approve the submittal of the design documents (drawings and specifications) to the Contract Administration Bureau (CAB) for advertisement of the bid package.

TITLE	PRINT NAME	SIGNATURE	DATE
WSIP Pre-Constr. Deputy Director	Jeet Bajwa		10/16/08
WSIP Construction Deputy Director	Harvey Elwin		10/16/08