



Memorandum

TO: HONORABLE MAYOR
AND CITY COUNCIL

FROM: Katy Allen

SUBJECT: SEE BELOW

DATE: 05-22-06

Approved

Date

5/26/06

COUNCIL DISTRICT: City-Wide

**SUBJECT: MASTER AGREEMENT FOR CONSULTANT SERVICES WITH
OC CONSULTANTS FOR HYDRAULIC ANALYSIS AND PUMP STATION
REHABILITATION**

RECOMMENDATION

Approval of a consultant master agreement with OC Consultants, dba as Olivia Chen Consultants, for consultant services including engineering services for the rehabilitation of storm pump stations and the analysis of various storm drain sub-watershed areas, for the period June 24, 2006 to December 31, 2010, in a total amount not to exceed \$400,000.
CEQA: Not a project.

OUTCOME

Approval of this master agreement with OC Consultants will result in the design and construction of drainage system improvements, including pump station renovations, which would increase the efficiency and reliability of the system. As the first outcome, the Bird Street Pump Station will be renovated.

BACKGROUND

Some of the City's oldest storm pump stations collect urban runoff from railroad under-crossings and adjacent areas and discharge into the storm drain system. In order to enhance reliability and efficiency as well as to reduce maintenance needs, these older pump stations must be upgraded with modern pumps, controls and communications and, in one case, possible structural rehabilitation of the structure itself. Also, various sub-watersheds in the vicinity of these pump stations must be analyzed so as to identify the needs and most efficient methods of storm drain improvement.

ANALYSIS

In January 2006, the Department of Public Works issued a formal Request for Qualifications (RFQ) for various engineering services, including hydraulic analyses of targeted City sub-watersheds and miscellaneous storm drainage improvements. A multi-departmental panel evaluated the qualifications of the three consulting engineering firms which responded to the RFQ and their performance in structured interviews. Evaluations were based on the following selection criteria:

- The level of quality provided by the technology and methodology proposed;
- The necessary qualifications, experience, organization, technical and managerial staff, and equipment and facilities to carry out the work;
- Prior experience on related or similar projects and the accessibility/availability of the individuals working on this project;
- Ability to complete the work within a proposed time schedule.
- Consideration of the firm's standing as a local firm and small business

Based on the expertise and knowledge base of the consultants, the panelists assigned each firm a portion of the engineering services specified by the master agreement.

Staff proposes to retain OC Consultants to conduct a hydraulic analysis and design of improvements to the Bird Avenue Storm Drain Pump Station. Due to the differential settlement of the pump house, both geotechnical engineering and structural engineering services will be required to identify the various alternatives available to rehabilitate the pump station. The design team proposed by OC Consultants can deliver those services to compliment City staff in the rehabilitation of the pump station. The following additional criteria were used in selecting this consultant:

- Expertise and experience in pump station design and hydraulics and drainage analysis;
- Expertise and experience in geotechnical and structural engineering addressing the settlement of the pump station

This master agreement will be administered with individual service orders. Each service order will specify the scope of services that OC Consultants must perform and the compensation to which it would be entitled upon delivery of all specified services. The sum of all service orders may not exceed \$400,000.

ALTERNATIVES

The Department of Public Works explored the in-house contracting alternative and determined that City staff does not have the required expertise and experience in geotechnical, structural, hydrologic and hydraulic engineering and computer modeling to analyze the storm drain system

and to design the needed storm pump station renovation or rehabilitations. It is necessary to retain this specialized consultant to perform these services.

It should be noted that although the recent rehabilitation of the Willow Street Storm Pump Station in 2005 was designed and managed by Public Works staff, the Bird Avenue Pump station warrants the assistance of an experienced consultant firm due to the unusual geotechnical issues and the hydraulics of the existing wet well.

Public Works staff will gain experience by working in cooperation with this specialized consultant effort and will construct any capital improvements that result from this system evaluation. This type of focused hydraulic evaluation does not warrant the addition of permanent staffing in the Storm Engineering Section at this time due to the lack of sustaining workload throughout the year and throughout the 5-year CIP, and due to the modest size of the Storm Capital Budget.

PUBLIC OUTREACH

The Request for Qualification Submittals was listed on the City Internet bid line and advertised in the *San José Post Record*.

COORDINATION

This agreement and memorandum were coordinated with the Departments of Transportation, Planning, Building and Code Enforcement, the City Attorney's Office, and the City Manager's Budget Office. This agreement has also been coordinated with the City's Contracting-in Committee.

COST IMPLICATIONS

1. AMOUNT OF RECOMMENDATION: Not to exceed \$400,000

2. COST OF AGREEMENT:

Agreement (not to exceed)	\$400,000
Management	<u>20,000</u>
TOTAL	\$420,000

3. SOURCE OF FUNDING: 469 - Storm Sewer Capital Fund

4. FISCAL IMPACT: This agreement is consistent with the Council-approved Budget Strategy for Economic Recovery in that the engineering consultant retained under this agreement will design a project that will spur construction spending in our local

economy. The proposed operating and maintenance costs of this project have been reviewed, and staff has determined that the project will have no significant adverse impact on the General Fund operating budget.

BUDGET REFERENCE

Fund #	Appn #	Appn. Name	RC #	Total Appn.	Amt. for Contract	2005-2006 Adopted Budget (Page)	Last Budget Action (Date, Ord. No.)
469	5150	Storm Pump Station Rehab & Replacement	141443	\$647,000	See below*	Capital V-216	10/18/05, 27580
469	4483	Minor Neighborhood Storm Drain Improvements	142783	\$900,000	See below*	Capital V-212	N/A

* Expenditures and encumbrances will be charged to capital appropriation identified upon issuance of service orders under this Master Agreement.

CEQA

CEQA: Not a project.



KATY ALLEN
Director, Public Works Department

For questions please contact TIMM BORDEN, DEPUTY DIRECTOR, at 408-535-8300.