

City of Culver City, California
City Council Agenda Item Report

Meeting Date: 1/12/2009		Item Number: <u>C-5</u>	
AGENDA ITEM: Authorization to Issue a Request for Proposals for Design Services for the Improvement of the Braddock Sewer Pump Station.			
Contact Person/Dept.: Steve Finton		Phone Number: (310) 253-6406	
Fiscal Impact: Yes ☐ No ☒		General Fund: Yes ☐ No ☒	
Public Hearing: ☐		Action Item: ☐	Attachments: ☒
Public Notification: Master E-Mail Notification List (01/07/09)			
Department Approval: Charles D. Herbertson (12/24/08)		City Attorney Approval: Carol Schwab (by H. Baker) (01/05/09)	
Chief Financial Officer Approval: Jeff Muir (by N. Kimball) (01/06/09)		City Manager Approval: Jerry B. Fulwood (01/07/09)	

RECOMMENDATION:

Staff recommends the City Council authorize the issuance of a Request for Proposals (RFP) for design services related to the improvement of the Braddock Sewer Pump Station.

BACKGROUND:

The Braddock Sewer Pump Station is located at the northeast corner of the intersection of Braddock Drive and Sawtelle Boulevard. Sewer flows from a 720-acre area of Culver City and abutting portions of the City of Los Angeles flow to the station and are pumped in a force main in Braddock Drive to a City of Los Angeles trunk sewer in Overland Avenue. Approximately 1,500,000 gallons of sewage are pumped through the station on a daily basis.

The station has existed at that location since prior to 1945 and has been improved and upgraded several times. The latest improvement was completed in 1987. The station consists of a circular collection well for storing sewage inflows, a rectangular dry well containing three centrifugal pumps and a block house housing the control systems.

The City has experienced operational problems at the station for several years, effecting pump efficiency and sewage collection. As a result, staff is frequently called-out on overtime to tend to these issues.

DISCUSSION:

It has been determined that the main cause of the station performance is the configuration of the collection well. The existing collection well is built only as deep

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as the inflowing sewers. This causes sewage to back-up into the adjacent collection system and invites the build-up of sediments in the storage well and adjacent sewers. More modern pump stations are built with the collection well significantly deeper than inflowing sewers. This allows stored sewage to be contained entirely in the storage well without impacting adjacent sewer lines. Additionally, the bottom of the storage well should be configured in a way that promotes the passing of solids and sediments.

In an effort to resolve the ongoing problems, the Public Works Department commissioned the attached design report from PRP Engineering, Inc. and APD Consultants, Inc. The report recommends building a deeper collection well with submersible pumps and provisions to make the station self cleaning. The recommendation includes the utilization of much of the existing station facilities and is a cost effective solution to the problems at the station. The consultant estimates the cost of the improvement to be as follows:

Design	\$150,000
Construction	\$1,652,200
Contingency (15%)	\$247,800
Total	\$2,050,000

Request for Proposals (RFP)

The next step in the process is to hire an engineering consultant to design the proposed station improvement. The attached RFP requests proposals from qualified engineering firms for the preparation of plans and specifications for the recommended improvement. Proposals would be due on February 12, 2009.

FISCAL ANALYSIS:

There is minimal cost associated with the release of the RFP. It is estimated that should the City Council ultimately award a consultant contract in response to this RFP, the cost would range from \$130,000 to \$150,000. Funding for the design phase is available in the 2008-09 Adopted CIP budget (P-521: Pump Station Improvements). Funding for the construction phase will be allocated through the upcoming budget process.

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ATTACHMENTS:

- 1) Map
- 2) Design Report
- 3) Request for Proposals – Braddock Sewer Lift Station Improvements

MOTION:

That the City Council:

Authorize staff to issue a Request for Proposals for design services related to the improvement of the Braddock Sewer Pump Station.