

City of Culver City, California
City Council Agenda Item Report

Meeting Date: 8/11/2008		Item Number: <u>C-9</u>	
AGENDA ITEM: Authorization to Issue a Request for Proposals for Engineering Design Services for the Culver City Transfer Station Water Quality Improvement Project.			
Contact Person/Dept.: Steven 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 (08/06/08)			
Department Approval: Charles D. Herbertson (08/04/08)		City Attorney Approval: Carol Schwab (by H. Baker) (08/06/08)	
Chief Financial Officer Approval: Jeff Muir (by N. Kimball) (08/06/08)		City Manager Approval: Jerry B. Fulwood (08/06/08)	
<u>RECOMMENDATION:</u> Staff recommends the City Council authorize the issuance of a Request for Proposals for engineering design services for the Culver City Transfer Station Water Quality Improvement Project. <u>BACKGROUND:</u> The City owns and operates a solid waste transfer station on a one acre site at 9255 Jefferson Boulevard (See Attachment 1, Location Map). Solid Waste collected by Sanitation Division trucks is transferred to tractor/trailers at the facility for ultimate disposal at the Puente Hills landfill. Transfer operations are conducted within a covered structure at the site. Roll-off service, green waste processing, and all other Sanitation Division functions are also based at this facility. Storm water from the facility flows into Ballona Creek, a water body identified by the State of California as impaired for metals, toxics, trash and bacteria. In an effort to reduce pollutant levels in the Creek, the State issued Total Maximum Daily Loads (TMDLs) that set numerical limits for certain pollutants. The TMDLs include several pollutant reduction milestones that must be reached starting in 2012 with full compliance required by 2021. Part of the City's efforts to improve Ballona Creek water quality include measures at the Transfer Station. A Storm Water Pollution Prevention Plan (SWPPP) has been prepared and implemented at the Transfer Station as required by the current National Pollutant Discharge Elimination System (NPDES) Municipal Permit. The SWPPP for the facility generally consists of proper material storage and good			

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housekeeping practices. As indicated in the SWPPP, all exterior surfaces are swept frequently and outdoor activities have been minimized to reduce storm water contact. In May 2008, staff installed antimicrobial filter devices in storm drains at the facility to provide treatment of storm water prior to it being discharged into Ballona Creek.

DISCUSSION:

Despite our previous storm water quality efforts, additional measures could be implemented to improve the quality of storm water leaving the Transfer Station site. Staff has considered several alternatives for storm water treatment including filtration, increased structural covering/roofing to prevent storm water contact and first flush containment. The most cost effective method appears to be first flush containment.

First Flush Containment

First flush containment consists of an underground vault and pumping equipment to retain the first $\frac{3}{4}$ " of rainfall then discharge it slowly to the sanitary sewer system after the storm has passed. The first $\frac{3}{4}$ " flush would clean surfaces and carry pollutants to the storage vault. Once the vault is full, cleaner storm water would bypass the system and flow to the Creek. After the storm, retained storm water would be pumped from the storage vault to the sanitary sewer for treatment. This method would meet the Standard Urban Storm Water Mitigation Plan (SUSMP) requirements currently required of all private developments.

City of Los Angeles (LA City) approval must be secured to discharge storm water from the transfer station into the LA City sanitary sewer system due to conveyance and treatment capacity concerns. Additionally, the City's agreement with LA City regarding sewer treatment currently prohibits the discharge of surface waters into the LA City system from November 30st to March 1st. An amendment to the LA City agreement would be required to discharge the contained storm water from the transfer station during the rainy season. This proposed amendment is being reviewed by staff and will be presented for City Council consideration at a later date.

Request for Proposals (RFP)

It is recommended that City Council authorize staff to issue the attached RFP to solicit proposals from engineering firms for alternative analysis and preparation of plans and specifications to construct the storm water quality improvement. The RFP requests proposals addressing a two-step process. Step One would include consideration of alternatives to increase storm water quality at the site. Step Two

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would complete the plans and specifications to construct the alternative selected. The City could elect to terminate the contract at any time.

FISCAL ANALYSIS:

It is estimated that the cost of a consultant contract issued in response to this RFP will range from \$30,000 to \$50,000, which will be funded from P-497, NPDES - Storm Water Discharge Program (42000497).

ATTACHMENTS:

- 1) Location Map
- 2) Request for Proposals - Culver City Transfer Station Storm Water Quality Improvement Project

MOTION:

That the City Council:

Authorize Staff to issue a Request for Proposals for engineering design services for the Culver City Transfer Station Water Quality Improvement Project.