

City of Culver City, California
City Council Agenda Item Report

Meeting Date: February 05, 2007		Item Number: <u>C-2</u>	
AGENDA ITEM: Authorization to Release a Request for Proposals for the Rehabilitation of Sewer Manholes throughout Culver City.			
Contact Person/Dept.: Eric Mirzaian Public Works-Maintenance Operations		Phone Number: (310) 253-6410	
Fiscal Impact: Yes ☒ No ☐		General Fund: Yes ☐ No ☒	
Public Hearing: ☐		Action Item: ☐ Attachments: ☒	
Public Notification: Master Notification List on (01/31/2007)			
Department Approval: Charles D. Herbertson (01/23/07)		City Attorney Approval: Heather Iker (01/29/2007)	
City Controller Approval: Marlee Chang (01/30/2007)		City Manager Approval: Jerry B. Fulwood (01/30/2007)	
<u>RECOMMENDATION:</u> Staff recommends that the City Council authorize the Public Works Department to release a Request for Proposals (RFP) for the rehabilitation of approximately 125 sewer manholes throughout Culver City. <u>BACKGROUND:</u> Public Works Staff has identified approximately 125 sewer manholes throughout the City in need of rehabilitation. The sewer manhole is the access way from the manhole lid on the surface of the street leading down to the sewer main. The rehabilitation will include the rehabilitation of existing concrete or brick sanitary sewer manholes to rebuild strength and eliminate possible infiltration, outflow, root intrusion, and future deterioration of the concrete and brick due to the sewer environment. <u>DISCUSSION:</u> Sewer manholes deteriorate for a variety of reasons. The constant stress of traffic causes subsidence and shear cracks, which progressively weaken these structures. Additionally, disintegrated mortar joints become primary entry points for ground-water infiltration, washing out supporting back fill and causing manhole walls to collapse. Corrosive sewer gases found in sewer lines attack concrete walls deteriorating the concrete and causing structural failures. The combination of hydrogen sulfide and water vapor creates dilute sulfuric acid that attacks conventional cement walls and mortar joints. When this occurs it can seriously endanger the street surface above as it could ultimately lead to a collapse of the manhole and the corresponding development of a sinkhole in the street. Additionally, a severely deteriorated manhole may eventually collapse into the sewer main and block the flow of the sewer pipeline.			

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Should the City Council approve the release of the RFP, the following table includes the timeline for the project:

Task	Time Frame
RFP Approval by City Council	February 12, 2007
Release of Notice Inviting Proposals	February 13, 2007
Pre-proposal Meeting	February 22, 2007 at 9:00 AM
Deadline for Receipt of Proposals	March 15, 2007 at 2:00 PM
Consideration of Award of Contract	April 9, 2007
Data Gathering and Study Preparation	N/A
Presentation of Study to Council	N/A

FISCAL ANALYSIS:

The total estimated annual cost for the rehabilitation of approximately 125 sewer manholes is \$250,000. The project will be accomplished over a five year period with approximately 25 manholes rehabilitated each year.

The annual funding has been allocated into the following Sewer Enterprise Fund account: 20466100.619800 (Wastewater Maintenance – Other Contractual Service)

ATTACHMENTS:

- Copy of the Request for Proposal
- Spreadsheet (Manhole Dimensions)

MOTION:

That the City Council:

Authorize staff to release the Request for Proposal for the rehabilitation of approximately 125 sewer manholes throughout the City.