



OPERATIONS COMMITTEE

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Agenda Report

File #: 2021-1739

Agenda Date: 10/6/2021

Agenda Item No: 4.

FROM: James D. Herberg, General Manager
Originator: Rob Thompson, Assistant General Manager

SUBJECT:

MANHOLE CCTV CAMERA-COLLECTIONS

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Approve a Purchase Order to Plumbers Depot for the purchase of a Spider Scanner System utilizing the HGAC Cooperative Contract No. SC01-21 for an amount not to exceed \$127,620, plus applicable tax and freight; and
- B. Approve a 5% contingency of \$6,381.

BACKGROUND

The Orange County Sanitation District (OC San) is committed to properly maintaining, rehabilitating, and replacing collection system assets. Assessments of manhole structures, flow channels, and pipes are conducted to gain an understanding of asset condition. The assessment results are used to determine the structural integrity of the assets and ensure the appropriate level of maintenance is conducted. These assessments are part of OC San's preventive maintenance tasks outlined in the Sewer System Management Plan (SSMP) and are conducted in accordance with NASSCO standards.

RELEVANT STANDARDS

- Maintain a protective asset management program
- Commitment to safety & reducing risk in all operations
- Protect OC San assets

PROBLEM

Assessments of below grade sewer structures cannot be conducted effectively and efficiently with direct staff observation. Asset Engineers need assessments conducted to appropriately scope rehabilitation and replacement findings in the collection system. The results received from surface grade inspections lack NASSCO standardized assessment reporting. Due to a lack of equipment,

OC San's current manhole structure inspections are limited to surface-grade visual inspections which result in a vast majority of the effort being contracted out. Contracted services limit the ability of OC San staff to reach difficult-to-access locations.

PROPOSED SOLUTION

Staff recommends purchasing a Spider branded closed-circuit television (CCTV) manhole scanning system to perform assessments inside manhole structures below the surface. The CCTV equipment is portable and easy to deploy, allowing OC San staff to reach the difficult-to-access locations where contracted services cannot. Additionally, the procurement of this equipment will support the SSMP criteria to perform assessments and provide the Asset Engineer the ability to identify repair or replacement needs.

TIMING CONCERNS

A recommendation for 5% contingency is requested should there be a pricing change between the date of approval and the date of purchase due to tariffs and uncontrolled market conditions.

RAMIFICATIONS OF NOT TAKING ACTION

Unknown conditions of complex access collection system structures present the risk of failure without a proper assessment.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

Clever Scan, Spider, and IBak are three different manhole CCTV brands independently evaluated in parallel before selecting the Spider manhole scanning system. The determining factor for selecting the Spider manhole scanning system equipment was image quality, ease of deployment, and ease of use.

CEQA

N/A

FINANCIAL CONSIDERATIONS

This request complies with authority levels of OC San's Purchasing Ordinance. This item is budgeted in the FY 2021-22 budget, Line Item 1, Section 08, Page 98; 820 Collection Facilities O&M.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
10/06/2021	\$127,620	\$6,381 (5%)

ATTACHMENT

The following attachment(s) may be viewed on-line at the OC San website (www.ocsan.gov) with the complete agenda package:

N/A

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