



MEMORANDUM

TO: CITY COUNCIL

FROM: CHRISTOPHER MAGDOSKU, PUBLIC WORKS DIRECTOR

BY: JILL MCPEEK, CAPITAL IMPROVEMENT PROJECT MANAGER

SUBJECT: CONSIDERATION OF AN AWARD OF CONTRACT TO SOCIAL PACIFIC CONSTRUCTION CORPORATION FOR CONSTRUCTION OF THE MANHOLE REHABILITATION PROJECT, PW 2017-03

DATE: MAY 9, 2017

RECOMMENDATION:

It is recommended the City Council:

1. Approve the construction plans and specifications for the Manhole Rehabilitation Project, PW 2017-03;
2. Find that the project is categorically exempt from CEQA pursuant to CEQA Guidelines Section 15301(b);
3. Direct the City Clerk to file a Notice of Exemption;
4. Award a contract for the Manhole Rehabilitation Project to SoCal Pacific Construction Corporation in the amount of \$91,217.31;
5. Authorize the City Manager to approve change orders for 10% of the contract amount, \$9,121.73 for unanticipated costs during the construction phase of the project (total construction costs = \$91,217.31 + \$9,121.73 = \$100,339.04); and
6. Allocate \$22,200 from the Sewer Fund for the project.

IMPACT ON FINANCIAL AND PERSONNEL RESOURCES:

The FY 2016/17 Capital Improvement Program Budget includes \$110,000 for the subject project. The total cost for the project is currently estimated at \$132,200. Staff is recommending an appropriation of funds from the Sewer Fund. The current unallocated Sewer Fund balance is sufficient to fund this request. The proposed project expenditure budget is listed on the following chart:

**CITY COUNCIL
 CONSIDERATION OF AN AWARD OF CONTRACT TO SOCAL PACIFIC
 CONSTRUCTION CORPORATION FOR CONSTRUCTION OF THE MANHOLE
 REHABILITATION PROJECT, PW 2017-03
 PAGE 2**

EXPENDITURES	
Construction	\$ 91,217
Contingency (10% of Contract price)	\$ 9,122
Const Mgt / Inspection / Advertising / Record Drawings	\$ 18,637
Design & Survey	\$ 8,244
Preliminary Investigation	\$ 4,980
TOTAL PROJECT EXPENDITURES	\$ 132,200

BACKGROUND:

The manholes downstream from Lift Station No. 1 are exhibiting signs of corrosion due to high concentrations of hydrogen sulfides typically found downstream of force main discharge points. The manholes are located on El Camino Real from south of Stonecrest Drive to the Brisco Road Intersection, through the Arroyo Grande cemetery, on Bennet Avenue to Rabobank, and along Bennet Avenue to East Grand Avenue. Although it was evident that corrosion is occurring in these manholes, the extent of deterioration was not known. Therefore, a preliminary investigation and evaluation of the manhole conditions was performed that was used to develop construction documents for repair and/or replacement of the manholes.

Observation of the manholes indicated varying levels of corrosion of the concrete surfaces in all manholes. In general, manholes located along El Camino Real and through the cemetery exhibited corrosion on the manhole walls including several with exposed aggregate. Downstream of the intersection of Brisco Road and El Camino Real, the manholes exhibited signs of deterioration of the channel and bench likely due to the higher flows through this section. A bench is a half-round channel cast in the concrete at the bottom of a manhole to direct discharge when the flow is low. In general, the manhole frames and covers on all of the manholes appeared to be in relatively good condition. Multiple manholes also exhibited calcium sulfide deposits, failing coatings, and deposits in the channels and benches.

ANALYSIS OF ISSUES:

Based on the above observations, it was recommended that all of the observed manholes be coated to address current and future acid attack from hydrogen sulfides. A trowel on epoxy liner system that has been used successfully by the City was identified as an appropriate application for the project. In addition, where significant concrete loss has occurred, resulting in exposed aggregate, a repair mortar is to be applied prior to application of the coating material in order to provide a uniform surface for anchoring as well as to reduce the coating quantities required. Where benches and channels require repair, an epoxy repair mortar will be used since these areas are typically not coated. Since the manhole frames and covers appeared to be in good condition, replacement will not be required.

**CITY COUNCIL
CONSIDERATION OF AN AWARD OF CONTRACT TO SOCAL PACIFIC
CONSTRUCTION CORPORATION FOR CONSTRUCTION OF THE MANHOLE
REHABILITATION PROJECT, PW 2017-03
PAGE 3**

Staff worked with a consultant to prepare plans and specifications for the recommended repairs. The project was advertised for construction bids and on April 25, 2017, three bids were opened for the project. The lowest bid from SoCal Pacific Construction Corporation was in the amount of \$91,217.31. The bid has been determined to be responsive and SoCal Pacific Construction Corporation to be a responsible bidder. The award of a construction contract to SoCal Pacific Construction Corporation is recommended.

The contract time is 60 calendar days. Work is expected to be accomplished during June and August of 2017.

ALTERNATIVES:

The following alternatives are provided for the Council's consideration:

1. Approve staff's recommendations;
2. Do not approve staff's recommendations and request further information;
3. Modify staff's recommendation and approve; or
4. Provide direction to staff.

ADVANTAGES:

Applying a coating to the corroded manholes will protect the walls from further corrosion and stop potential infiltration. The manholes are structurally sound, which allows for repairs now as opposed to costly replacement later. The manholes do not have to be out of service during coating. This repair technique is routinely used to line and coat manholes throughout the City's sanitary sewer system and has a lifetime of approximately eighty (80) years.

DISADVANTAGES:

Funds used to make the recommended repairs may be diverted from other future projects.

ENVIRONMENTAL REVIEW:

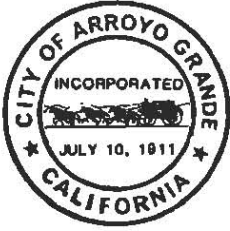
The project is categorically exempt from the California Environmental Quality Act (CEQA) pursuant to Guidelines Section 15301(b) for the repair and maintenance of existing facilities used to provide sewerage.

PUBLIC NOTIFICATION AND COMMENTS:

The Agenda was posted at City Hall and on the City's website in accordance with Government Code Section 54954.2.

Attachments:

1. Bid Opening Log Sheet
2. Notice of Exemption



**CITY OF ARROYO GRANDE
BID OPENING LOG SHEET**

DEADLINE: TUESDAY, APRIL 25, 2017 – 2:00 PM
PROJECT NAME: MANHOLE REHABILITATION PROJECT
PROJECT NO.: PW-2017-03
ESTIMATED CONSTRUCTION COST: \$112,000

<u>SUBMITTED BY:</u>	<u>TOTAL</u>
1. Sancon Technologies, Inc. Huntington Beach, CA 92649	\$113,550.00
2. SoCal Pacific Construction Corp Murrieta, CA 92562	\$91,217.31
3. Central Environmental Inc. Las Vegas, NV 89139	\$181,838.00

Glenda Boner, Administrative Secretary

C: Director of Public Works
Capital Improvement Project Manager
City Manager
City Website

Attachment No. 2

NOTICE OF EXEMPTION

To: Office of Planning and Research
 1400 Tenth Street
 Sacramento, CA 95814

From: Lead Agency:
 City of Arroyo Grande
 300 East Branch Street
 Arroyo Grande, CA 93421


OR

County Clerk of the Board of Supervisors
 County of San Luis Obispo
 1055 Monterey Street
 San Luis Obispo, CA 93408

PROJECT TITLE AND NUMBER: Manhole Rehabilitation Phase I (Lift Station No. 1) PW 2017-03	
PROJECT APPLICANT: Jill McPeek, Capital Improvement Project Manager 300 East Branch Street, Arroyo Grande, CA 93420	TELEPHONE NUMBER/EMAIL: (805) 473-5444 jmcpeek@arroyogrande.org
PROJECT LOCATION: Along El Camino Real, through Arroyo Grande Cemetery and along Linda Drive to East Grand Avenue, in Arroyo Grande, CA 93420	
PROJECT DESCRIPTION: Rehabilitation of 13 sewer manholes, including reconstruction of manhole benches and channels, lining of manholes with epoxy coating and installation of inside drop sewer pipe	
LEAD AGENCY CONTACT PERSON: Matthew Downing, AICP, Planning Manager	TELEPHONE NUMBER/EMAIL: (805) 473-5420 mdowning@arroyogrande.org
STATE CLEARINGHOUSE NUMBER (if applicable): N/A	

This is to advise that the City of Arroyo Grande has made the following determination on the above-described project:

- MINISTERIAL (Section 15208)
- EMERGENCY (Section 15269)
- CATEGORICAL EXEMPTION PER CEQA GUIDELINES - Section 15301(b) of the CEQA Guidelines determines that repair and maintenance of existing facilities used to provide sewerage are exempt from CEQA review.

SIGNATURE: 	DATE RECEIVED FOR FILING:
TITLE: PLANNING MANAGER DATE: 2/22/2017	NO RECORDING FEE – PUBLIC AGENCY GC 6103

THIS PAGE INTENTIONALLY LEFT BLANK