



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, ZONE 7

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ORIGINATING SECTION: FLOOD PROTECTION
CONTACT: KERRI SMYTH/JOE SETO

AGENDA DATE: April 17, 2019

ITEM NO. 10

SUBJECT: Rehabilitation of Flood Control Channels, Phase 2 Construction Contract

SUMMARY:

- Zone 7's Flood Protection section is committed to providing an effective flood protection system to the Livermore-Amador Valley. This includes maintaining the integrity of the flood control channels to ensure their ability to convey water and to protect the surrounding infrastructure. Bank damages that compromise the channel, or are likely to contribute to additional damage, must be repaired.
- The storms of January and February 2017 resulted in significant damage to Zone 7 flood control facilities. Flood emergencies for these storms were declared at the federal, state, and local levels, including a Local State of Flood Emergency by the Zone 7 Board on March 15, 2017, (Resolution No. 17-10). Approximately 208 damaged sites were initially identified on channels owned by Zone 7.
- Thus far, 49 of the highest priority sites have been repaired through 1.) Zone 7 in-house efforts (18 sites), 2.) Zone 7 Rehabilitation of Flood Control Channels, Phase 1 (26 sites), and 3.) U.S. Army Corps of Engineers (USACE) contractor through the PL 84-99 program (5 sites). The USACE contractor will repair an additional 21 sites this summer. These total 70 sites. Based on this, 138 repair sites remain; however, many sites have been reprioritized to a "monitor only" status based on their current conditions.
- For this year, the proposed repair package includes 26 sites to be completed by Zone 7 and will bring the total sites repaired to 96. Based on recent inspections, it is likely that fewer than 25 additional repairs will be required and can be completed in 2020.
- The remaining 87 sites initially identified in 2017 will be monitored, but no immediate action is recommended at this time.
- Zone 7 advertised for the construction of the Phase 2 sites in accordance with the Public Contract Code on February 20, 2019. On March 27, 2019, six bids were received and publicly opened and read.
- PMK Contractors, LLC was the apparent low bidder, but withdrew their bid due to a clerical error. Cal-Neva was the apparent second lowest bidder, but was determined unresponsive. The apparent third lowest bidder, Fanfa, Inc. meets the specified qualifications and complied with all bid requirements. Staff recommends awarding the contract for construction of the Rehabilitation of Flood Control Channels, Phase 2 to Fanfa, Inc.

FUNDING:

Fund 200 – Flood Protection Operations

RECOMMENDED ACTION:

Adopt the attached resolution.

BACKGROUND:

The Local State of Flood Emergency declared by the Zone 7 Board of Directors on March 15, 2017 (Resolution No. 17-10), addressed the storm damage of early 2017. As of the end of May 2017, the initial assessment documented 208 damaged sites on channels owned by Zone 7. These sites were prioritized for repair, with higher risk sites such as those adjacent to utilities, roadways, or neighborhoods being prioritized first. Staff continues to monitor those yet unrepaired. Of these more than 200, 49 of the highest priority sites have been repaired:

Year	Project	# of Sites
2017	Zone 7 in-house	10
2018	Phase 1 (Z7 contract)	26
2018	USACE PL 84-99	5
2018	Zone 7 in-house	8
Total	49	

In the summer of 2019, in addition to the 26 repairs in this present Phase 2 repair package, another 21 sites will be repaired by the USACE contractor under Public Law 84-99 (PL 84-99). This will bring the total highest priority sites repaired to 96 sites at the completion of the 2019 construction season. Of the remaining 112 sites, staff recommends further evaluation of 25 sites for potential repair in a Phase 3 in 2020. Based on the current condition of the final 87 sites, Zone 7 engineers recommend monitoring rather than repair, unless the damage worsens.

Regarding the 26 repair sites proposed for the 2019 construction season, contractor bidding commenced on February 20, 2019. Six bids were submitted at the bid opening on March 27, 2019. The lowest responsive and responsible bidder was determined to be Fanfa, Inc., with a bid of \$3,656,752.

DISCUSSION:

Zone 7's Flood Protection section is committed to providing an effective flood protection system to the Livermore-Amador Valley. This includes maintaining the integrity of the flood control channels to ensure their ability to convey water and to protect the surrounding infrastructure. Bank damages that compromise the channel, or are likely to contribute to additional damage, must be repaired. After 2019, a total of 96 repairs will have been completed. According to staff's initial assessment of present conditions, less than 25 additional repairs may be needed in future phases, including a few sites recommended for biotechnical solutions.

Phase 2 was designed with an engineering consultant team (MacKay & Somps; ENGEO) and includes construction of 26 sites in Pleasanton and Dublin on Arroyo del Valle, Alamo Creek, South San Ramon Creek, Arroyo Mocho, and Tassajara Creek (see attached map). These 26 sites were advertised for bidding as one package to be completed before October 31, 2019. Bids from 6 contractors were taken, opened, and publicly read on March 27, 2019.

Results of the bid opening are shown in the table below:

Bidder	Bid Amount
PMK Contractors, LLC	\$1,693,765
Cal-Neva Construction	\$3,193,049
Fanfa, Inc.	\$3,656,752
Sierra Mountain Construction	\$3,725,000
Granite Rock Company	\$4,128,000
Hanford ARC	\$4,925,895

PMK Contractors, LLC was declared as the apparent low bidder with a bid of \$1,693,765. Staff reviewed the bid packages in detail and upon further conversations with PMK, they found a clerical error that caused significant quantity misestimates and withdrew their bid. Cal-Neva Construction was the apparent second low bidder with a bid of \$3,193,049. However, in reviewing their bid package, staff found Cal-Neva to be unresponsive.

The apparent third lowest bidder was Fanfa, Inc, with a total bid price of \$3,656,752. Staff reviewed Fanfa's bid package and found it to be complete and in compliance with all requirements. Therefore, Fanfa was determined to be the lowest responsive and responsible bidder.

Surveys for the design of these Phase 2 repairs were completed in the fall of 2017. While the sites have been monitored during the winters of 2018 and 2019 and no significant changes were noted, there is a higher chance of conditions that differ from the survey when compared with projects such as last year's Phase 1. Therefore, staff recommends including a 20 percent contingency in the authorized funding, or \$731,350. This would bring the total funding to \$4,388,102.

Staff recommends that the General Manager be authorized to negotiate and execute a contract with Fanfa, Inc. in the amount not-to-exceed \$4,388,102 to construct the repairs included in the Rehabilitation of Flood Control Channels, Phase 2 (FEMA DR 4301), Project 268-18 in accordance with the attached resolution.

ATTACHMENTS:

1. Resolution
2. Map

ZONE 7
ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
BOARD OF DIRECTORS

RESOLUTION NO.

INTRODUCED BY DIRECTOR
SECONDED BY DIRECTOR

***Award of the Construction Contract for the Rehabilitation of Flood Control Channels,
Phase 2 (FEMA DR 4301) Project 268-18***

WHEREAS, the storms of January and February 2017 resulted in significant damage to Zone 7 flood control facilities with more than 200 damaged sites; and

WHEREAS, a total of 49 of the highest priority sites were repaired in 2017 and 2018 with 21 more repairs planned by USACE for 2019; and

WHEREAS, staff prioritized an additional 26 sites for repair by Zone 7 in 2019 and hired an engineering consultant to design the repairs; and

WHEREAS, the lowest responsive and responsible bid received for this project is the bid by Fanfa, Inc.;

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of Zone 7 of the Alameda County Flood Control and Water Conservation District does hereby approve the specifications, appendices, and addenda for the Rehabilitation of Flood Control Channels, Phase 2 (FEMA DR 4301); and

BE IT FURTHER RESOLVED that the bid of the lowest responsive and responsible bidder, Fanfa, Inc., be accepted, and that the General Manager be authorized to negotiate and execute a contract with Fanfa, Inc., for an amount not to exceed \$4,388,102, which includes the bid price of \$3,656,752 with a 20 percent contingency.

ADOPTED BY THE FOLLOWING VOTE:

AYES:

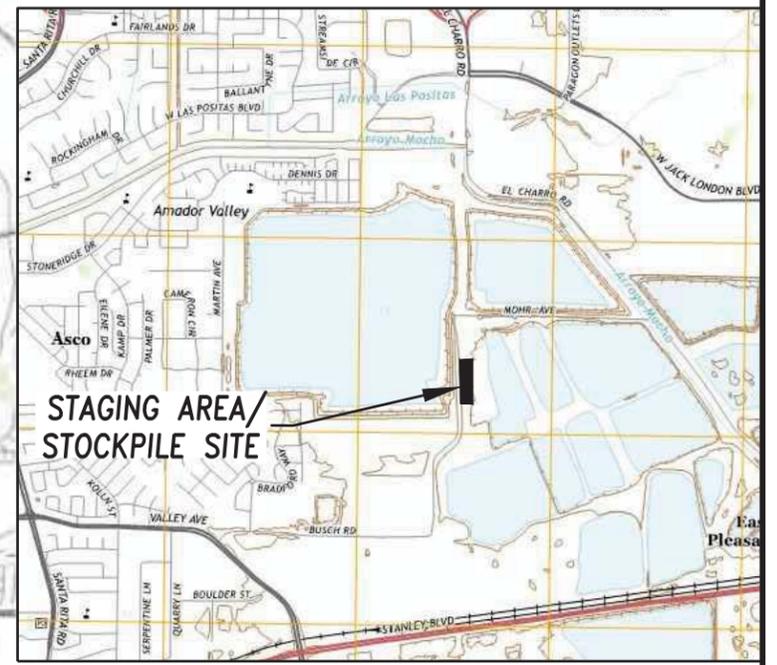
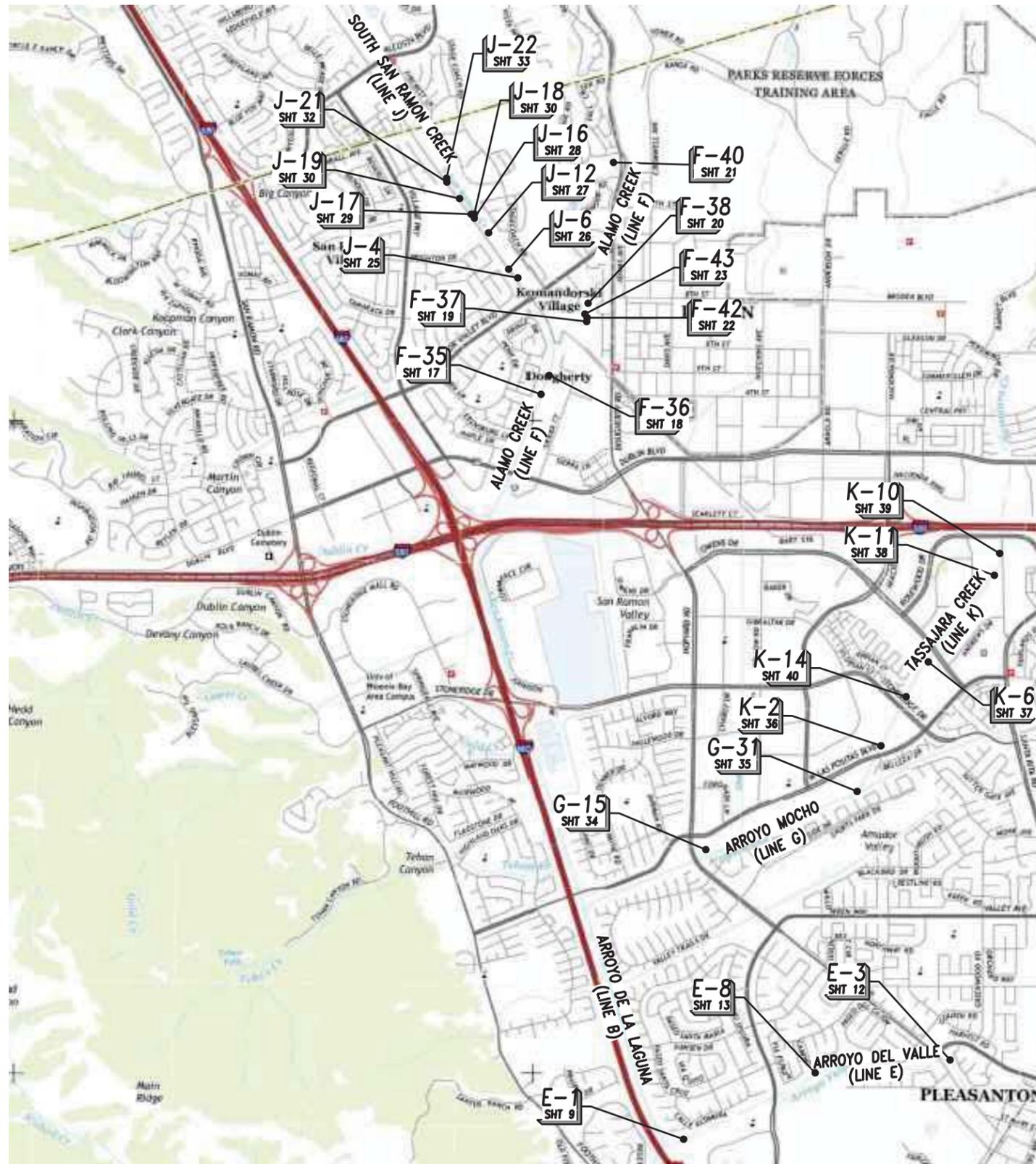
NOES:

ABSENT:

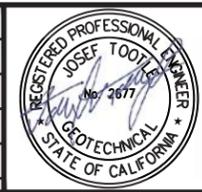
ABSTAIN:

I certify that the foregoing is a correct copy of a Resolution adopted by the Board of Directors of Zone 7 of the Alameda County Flood Control and Water Conservation District on April 17, 2019.

By: _____
President, Board of Directors



NO.	REVISION	DATE



THESE PLANS HAVE BEEN REVIEWED AND ARE IN GENERAL CONFORMANCE WITH THE REPORT #14225.000.001 DATED FEBRUARY 9, 2018

ENGEO
INCORPORATED
EXCELLENT SERVICE SINCE 1971



PLANS PREPARED UNDER THE DIRECTION OF:

Mackay & Somps
ENGINEERS PLANNERS SURVEYORS
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ZONE 7 WATER AGENCY
REHABILITATION OF FLOOD CONTROL CHANNELS
PHASE 2 - FEMA DR 4301

OVERALL MAP & INDEX SHEET

ALAMEDA COUNTY CALIFORNIA

PROJECT NO.
19926-020

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