



AGENDA

EAST ORANGE COUNTY WATER DISTRICT ENGINEERING AND OPERATIONS COMMITTEE MEETING

**Wednesday, September 13, 2023 at 4:30 P.M.
185 N. McPherson Road, Orange, California**

1. Call meeting to order
2. Public communications to the Committee
3. Additional items arising after posting of agenda

Informational Items

4. RZ System Status, Well Levels, and Water Use - Handout
5. WZ System Status and Water Use - Handout
6. Sewer System Status and Permit Reports
7. Sharon Lane Lift Station

Action Items

8. ID1 CRA Project – Final Acceptance
9. Field Office Demolition – Final Acceptance
10. Cathodic Protection System Rehabilitation – Contract Award
11. SCADA Upgrades Project Phase 2 – Agreement Amendment
12. Brae Glen Pipeline Replacement – Contract Award
13. Adjournment

Members of the public shall be permitted to speak as to both agendized and non-agendized items, as reflected in the agenda. Those wishing to speak may submit a speaker request or by verbally indicating their desire to comment at the time the item is called. Additionally, members of the public may, but are not required to, e-mail comments to Sylvia Prado at sprado@eocwd.com up to 30 minutes before the Committee meeting, and such comments shall be provided to the Board.

Members of the public wishing to attend the meeting that require disability-related or other reasonable modifications or accommodation to facilitate such attendance should contact Ms. Prado at (714) 538-5815 or the e-mail provided as soon as feasible before the meeting to make such request.

Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the East Orange County Water District Engineering & Operations Committee in connection with a matter subject to discussion or consideration at an open meeting of the Engineering & Operations Committee are available for public inspection in the District's office, 185 McPherson Road, Orange, California ("District Office"). If such writings are distributed to members of the Committee less than 72 hours prior to the meeting, they will be available via phone or email request to Ms. Sylvia Prado at (714) 538-5815 or sprado@eocwd.com.

MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER
SUBJECT: RETAIL ZONE SYSTEM STATUS, WELL LEVELS, AND WATER USE
DATE: SEPTEMBER 13, 2023

Background

This memo serves as cover for the well level report and water use report. The Well Pumping and Static Water Level Report and RZ Water Use Report will be handed out at the meeting.

Recommendation

Information Only

Attachment(s) None

MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER
SUBJECT: WHOLESALE ZONE WATER USE REPORT
DATE: SEPTEMBER 13, 2023

Background

This memo serves as cover for the Wholesale Zone water use report. The Wholesale Zone Water Demand and Imported Water Delivery Balance Report will be handed out at the meeting.

Recommendation

Information Only

Attachment(s) None

MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER
SUBJECT: SEWER SYSTEM STATUS AND PERMIT REPORT
DATE: SEPTEMBER 13, 2023

Background

There were no sewer spills in August. The monthly Permit Report for August is attached.

Recommendation

Information Only

Attachment(s)

Permit Report

Connection Address	Type of Development	Permit No	APN	Date Issued	Regional CFCC (OCSD) Fees	Local Sewer Capacity Fees	Inspection	Total Sewer	Wholesale	Retail	Total
18874 Fowler Ave. Santa Ana, CA 92705*	ADU (N)	21-116A	393-301-17	8/29/2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12192 Skyway Dr. Santa Ana, CA 92705	SFR (R)	23-042	502-302-02	8/8/2023	\$ 3,179.45	\$ 292.62	\$ -	\$ 3,472.07	\$ 213.09	\$ -	\$ 3,685.16
10682 Crawford Canyon Rd. Santa Ana, CA 92705	ADU (N)	23-051	393-141-16	8/1/2023	\$ 3,767.80	\$ 1,419.65	\$ 800.00	\$ 5,987.45	\$ 547.39	\$ 3,509.15	\$ 10,043.99
17941 Stearns Dr. Santa Ana, CA 92705	ADU (N)	23-062	094-084-09	8/2/2023	\$ 1,188.00	\$ 5,195.10	\$ -	\$ 6,383.10	\$ 528.92	\$ -	\$ 6,912.02
13972 Sandhurst Pl. Santa Ana, CA 92705	SFR (R)	23-065	395-481-27	8/28/2023	\$ 1,087.00	\$ -	\$ -	\$ 1,087.00	\$ -	\$ -	\$ 1,087.00
1312 Peacock Hill Dr. Santa Ana, CA 92705	SFR (R)	23-066	503-363-05	8/29/2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10675 Equestrian Dr. Santa Ana, CA 92705	SFR (R)	23-070	503-201-05	8/25/2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Totals					\$ 9,222.25	\$ 6,907.37	\$ 800.00	\$ 16,929.62	\$ 1,289.40	\$ 3,509.15	\$ 21,728.17

August 2023 - In the Pipeline

Connection Address	Type of Development	Permit No	APN	Permit Status
16791 McFadden Ave. Tustin, CA 92780	Commercial	22-097	402-301-08	Pending customer payment and signature
325 Pasadena Ave. Tustin, CA 92780	ADU (N)	23-017	401-542-16	Pending customer response
12192 Skyway Dr. Santa Ana, CA 92705	ADU (N)	23-042	502-302-02	Pending customer response
12822 Fairhaven Ext. Santa Ana, CA 92705	SFR (N)	23-045	393-032-21	Pending revised plans
168 N. A St. Tustin, CA 92780	ADU (N)	23-055	401-522-20	Pending customer response
1362 Tiki Cir. Tustin, CA 92780	ADU (N)	23-057	500-122-24	Pending customer response
4725 E. Chapman Ave. Orange, CA 92869	Commercial (N)	23-061	383-272-04	Pending customer payment and signature
520 Pacific St. Tustin, CA 92780	ADU (N)	23-063	401-371-01	Pending finalization of Permit
13972 Sandhurst Pl. Santa Ana, CA 92705	SFR (R)	23-065	395-481-27	Pending customer payment and signature
12932 Rosalind Dr. Santa Ana, CA 92705	SFR	23-067	094-344-22	Pending customer response
12172 Ranchwood Rd. Santa Ana, CA 92705	ADU (N)	23-068	104-445-05	Pending customer response
12282 Newport Ave. Santa Ana, CA 92705	ADU (N)	23-069	501-031-92	Pending customer payment and signature
1277 N. Kennymead St. Orange, CA 92869	ADU (N)	WZ2023-070	379-172-03	Pending customer payment and signature
10675 Equestrian Dr. Santa Ana, CA 92705	SFR (R)	23-070	503-201-05	Pending customer payment and signature
1065 Bonita, Tustin, CA 92780	WZ Upsize	WZ2023-072	500-152-06	Pending customer payment and signature

*Revised Permit

R - Remodel
N - New
E - Existing

MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER
SUBJECT: SHARON LANE LIFT STATION
DATE: SEPTEMBER 13, 2023

Background

Staff will update the Committee on the status of the proposed transfer of the Sharon Lane Lift Station and forcemain, see attached Location Map.

Recommendation

Information Only

Attachment(s)

Location Map



- LS Lift Stations (1)
- Standard Manhole (6)
- Gravity Main (7)
- Force Main (1)

Strictly for use by EOCWD staff.

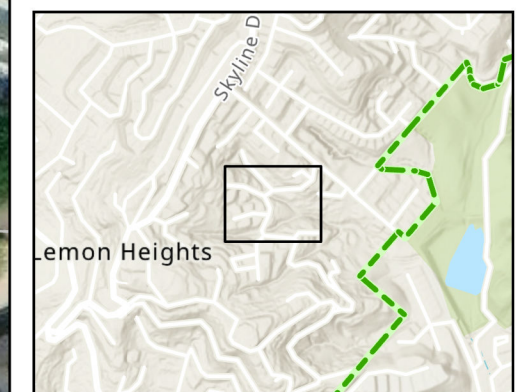
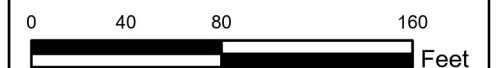
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9/8/2023



1 inch equals 80 feet



Location Map

MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER
SUBJECT: ID1 CRA PROJECT - FINAL ACCEPTANCE
DATE: SEPTEMBER 13, 2023

Background

At the December 2, 2021 meeting, the Board awarded the ID1 CRA Project #1 – Construction Package 1 to T.E Roberts. Construction Package 2 was awarded to T.E. Roberts on June 16, 2022. The project replaced and upsized existing sewer pipelines at three locations - Crawford Canyon in unincorporated North Tustin and Browning Avenue and 6th Street in the City of Tustin. Another location originally planned for the project, Fallen Leaf in Tustin, was omitted due to a utility conflict.

T.E. Roberts has completed the sewer installation and all punch list items. The project has received final inspection and acceptance of construction is recommended.

PROJECT SUMMARY	
Project Title	ID1 CRA Project #1
Contractor	T.E. Roberts, Inc.
Construction Management	Butier Engineering
Original Contract Cost	\$12,105,000
Final Contract Cost	\$12,054,846
Final Change Order Approved	In Progress
Original Contract Days	516
Final Contract Days	549

Recommendation

That the Committee recommend the Board accept construction of the ID1 CRA Project #1, authorize the General Manager to file a Notice of Completion, and authorize payment of the retention 35 days after the date of recording the notice of completion.

Attachment(s)

Photos



MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER
SUBJECT: FIELD OFFICE DEMOLITION FINAL ACCEPTANCE
DATE: SEPTEMBER 13, 2023

Background

At the April 13, 2023 meeting, the Committee awarded the Field Office Demolition to BeckCo. The Field Office was demolished to facilitate construction of the new District Office Building.

BeckCo completed the demolition and acceptance of construction is recommended.

PROJECT SUMMARY	
Project Title	Field Office Demolition
Contractor	BeckCo
Construction Management	EOCWD Staff
Original Contract Cost	\$80,583
Final Contract Cost	\$121,539
Final Change Order Approved	August 10, 2023
Original Contract Days	54
Final Contract Days	54

Recommendation

Accept construction of the Field Office Demolition, authorize the General Manager to file a Notice of Completion, and authorize payment of the retention 35 days after the date of recording the notice of completion.

Attachment(s)

Photo



MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER
SUBJECT: CATHODIC PROTECTION SYSTEM REHABILITATION CONTRACT AWARD
DATE: SEPTEMBER 13, 2023

Background

The District's Peter's Canyon parallel pipelines and Newport transmission main are protected from corrosion by an impressed current cathodic protection system. V&A Engineering (V&A) performs the monitoring of this and other corrosion protection systems throughout the District. V&A recommended enhancements to the system to cross bond the pipelines at four locations and add test stations.

Following completion of the design, the project was bid in May, however, due to an anomaly and the need for a scope revision, the Board rejected all bids. The project was re-advertised for construction bidding on August 11, 2023 to a select list of three contractors. Two of the contractors submitted bids on August 28, 2023. Farwest Corrosion is the apparent low bidder with a total bid amount of \$192,050 including an alternate bid item. The Bid Summary is attached. Staff recommends deleting the alternate bid item and awarding a construction contract for the base bid items to Farwest Corrosion in the amount of \$159,655 to construct the necessary improvements and establishing a contingency budget in the amount of \$20,000 for any unanticipated conditions.

Recommendation

That the Committee award a contract to Farwest Corrosion in the amount of \$159,655, and authorize and approve the General Manager a \$20,000 contingency budget to address any unanticipated conditions for construction of the Cathodic Protection System Rehabilitation project.

Attachment(s)

Cathodic Protection System Rehabilitation Project Bid Summary



BID OPENING

185 N MCPHERSON, ORANGE CA 92869

PROJECT: CATHODIC PROTECTION SYSTEM REHABILITATION

BID DATE: AUGUST 28, 2023 AT 3:00 P.M.

Contact: Jeff Smyth, Phone: 714.538.5815, email: jsmyth@eocwd.com

	Contractor's Name and Address	Total Bid Amount Schedule		
		Total Base Bid Items 1 to 14	Alternate Bid Item A-1	Total Base Bid and Alternate Bid Items
1	Farwest Corrosion Control Company 12029 Regentview Ave. Downey, California, 90241	\$ 159,655.00	\$ 32,395.00	\$ 192,050.00
2	Mike Bubalo Construction Co., Inc. 5102 Gayhurst Ave. Baldwin Park, CA 91706	\$ 244,000.00	\$ 15,000.00	\$ 259,000.00

MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER
SUBJECT: SCADA SYSTEM IMPROVEMENT PROJECT – PROFESSIONAL SERVICES AGREEMENT AMENDMENT #2 TO TESCO CONTROLS, INC.
DATE: SEPTEMBER 13, 2023

Background

At the April 21, 2022 meeting, the Board awarded the SCADA System Improvement Project Phase 2 to Tesco Controls, Inc. and amended the agreement on December 15, 2022 to add an additional site to the project. As a part of the Phase 2 project, Tesco provided the control panel for the recently constructed Barrett Pump station. Additional programming and equipment is necessary for the Barrett Pump Station controls to increase operational functionality, improve safety and troubleshooting capability, and remove the proprietary pump skid controller.

Staff is also recommending a security upgrade to the network switches in all of the panels from un-managed to managed.

Staff recommends awarding Professional Services Agreement Amendment #2 to Tesco Controls for the pump station improvements and security upgrade the amount of \$83,200.

Recommendation

That the Committee recommend the Board award Professional Services Agreement Amendment #2 to TESCO Controls, Inc. in the amount of \$83,200 for the pump station improvements and security upgrade.

Attachment(s) None

MEMO

TO: ENGINEERING AND OPERATIONS COMMITTEE
FROM: GENERAL MANAGER
SUBJECT: BRAE GLEN PIPELINE REPLACEMENT CONTRACT AWARD AND ACCEPTANCE OF EASEMENT
DATE: SEPTEMBER 13, 2023

Background

The District has an existing 450-foot 12” steel pipeline that connects the Barrett Pump Station to Crawford Canyon. A CCTV video showed internal deterioration indicating the 70-year old pipeline is nearing the end of its usable life. The pipeline is located in backyards making access difficult. Staff considered several rehabilitation/replacement alternatives including lining the existing pipeline with Primus Line or CIPP, bursting, open trench replacement, and relocation. A combination of open trench replacement and abandonment of the 12” steel pipeline and replacing and upsizing 365 feet of 6” AC pipe with 8” pvc pipe in Brae Glen was the preferred alternative. A location map is attached. The pipelines were installed under a nonspecific blanket easement so an updated easement was required.

The project was advertised for construction bidding on May 1, 2023 to a select list of three contractors. All three contractors attended the pre-bid meeting and submitted bids on May 19, 2023. Doty Brothers Construction (Doty) is the apparent low bidder with a total bid amount of \$675,372. The Bid Summary is attached and the engineer’s estimate was \$487,000. The portion of work in Brae Glen to replace the 6” pipe is straightforward and costs were as expected. The cost for the replacement of the 12” pipe was significantly higher than expected due to the limited accessibility and extensive surface restoration.

Staff recommends removing the 12” pipeline from the award (Bid Line Items 3, 5, and 8) and awarding replacement and upsizing the 6” pipeline to 8” to Doty in the amount of \$364,681. Staff is also requesting the inclusion of a \$70,000 contingency to address any unanticipated conditions. Staff will revise the scope of work for the 12” pipeline replacement and present it to the Board for award at a future date.

BRAE GLEN PIPELINE REPLACEMENT CONSTRUCTION COST SUMMARY	
Construction	\$364,681
CM&I	\$ 50,000
Contingency	\$ 70,000
Total	\$484,681

BRAE GLEN PIPELINE REPLACEMENT CONTRACT AWARD AND ACCEPTANCE OF EASEMENT

Page 2

Recommendation

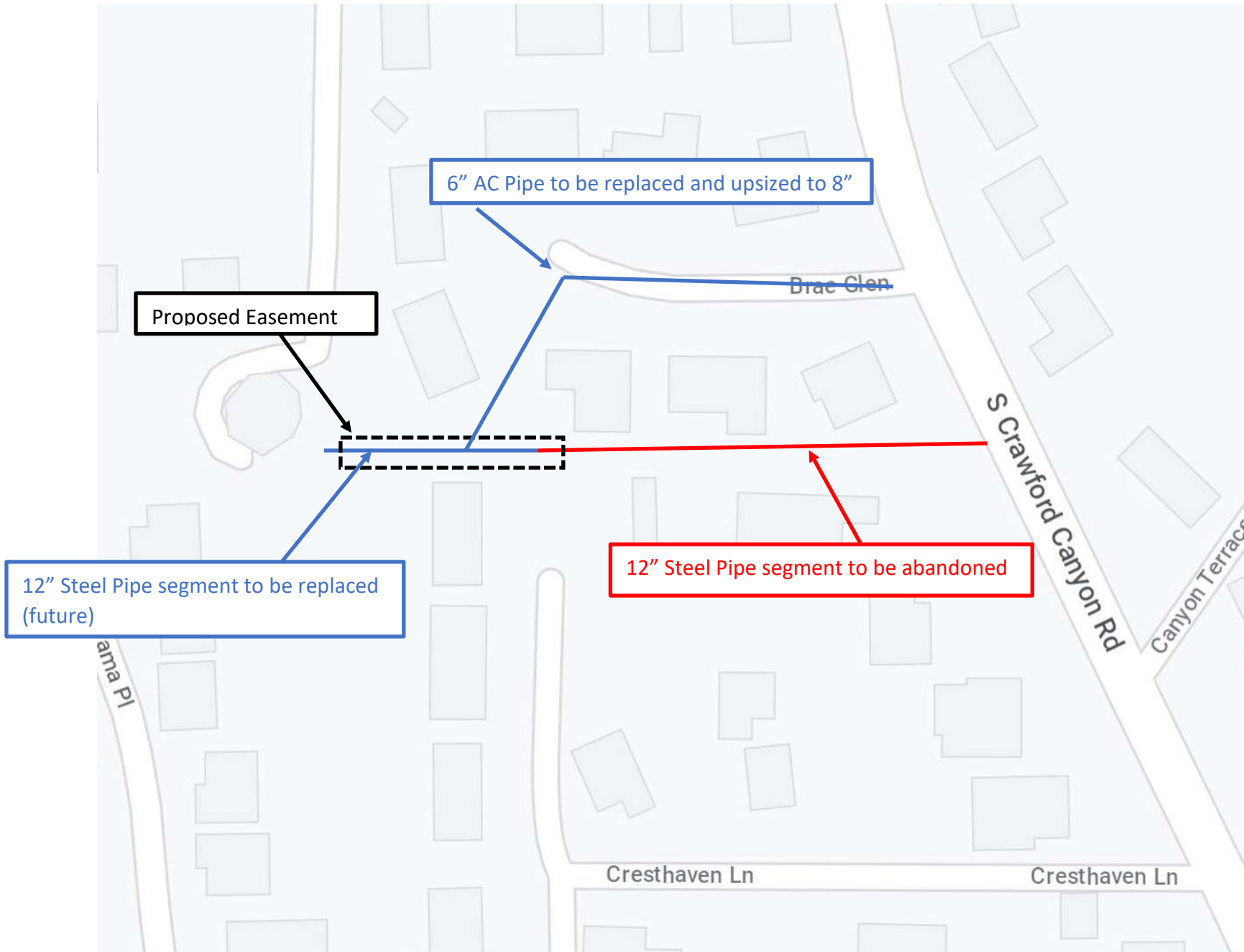
That the Committee recommend the Board approve:

1. Issuance of a construction contract to Doty Brothers Construction in the amount of \$364,681 for construction of the Brae Glen Pipeline Replacement Project.
2. Authorize and approve the General Manager a contingency budget of \$70,000 to address any unanticipated conditions.
3. Acceptance of the Easement, and delegate authority to the General Manager, or his designee, to execute a Certificate of Acceptance and record the easement.

Attachment(s)

Location Map
Brae Glen Pipeline Replacement Project Bid Summary

LOCATION MAP





BID OPENING

185 N MCPHERSON, ORANGE CA 92869

PROJECT: BRAE GLEN PIPELINE REPLACEMENT

BID DATE: MAY 19, 2023 AT 2:00 P.M.

Contact: Jeff Smyth, Phone: 714.538.5815, email: jsmyth@eocwd.com

	Contractor's Name and Address	Total Bid Amount Schedule		
		Total Base Bid Items 1 to 14	Total Alternate Bid Items A-3 - A-5, A-8	Total Base Bid and Alternate Bid Items
1	Doty Brothers Construction Company 11232 E. Firestone Blvd. Norwalk, CA 90650	\$ 675,372.00	N/A	N/A
2	W.A. Rasic Construction Company, Inc. 4150 Long Beach Blvd. Long Beach, CA 90807	\$ 894,000.00	N/A	N/A
3	TE Roberts, Inc. 17771 Mitchell North Irvine, CA 92614	\$ 1,400,713.00	\$ 505,419.00	\$ 1,906,132.00