

AGENDA STAFF REPORT

DATE: January 10, 2018

TO: Mayor and City Council

APPROVED BY: David Dale, Interim City Manager *David Dale*

PREPARED BY: David Dale, Interim City Manager

SUBJECT: Award Bid from A&R Construction in the amount of \$1,340,302.75 and Authorize Interim City Manager to sign Construction Agreement with A&R Construction for the Fifth Street and Grant Avenue Water Mains Improvement Project.

=====
Recommendation:

Award Bid from A&R Construction in the amount of \$1,340,302.75 and Authorize Interim City Manager to sign Construction Agreement with A&R Construction for the Fifth Street and Grant Avenue Water Mains Improvement Project.

Background:

The Capital Improvement Program (CIP) for FY2017-18 includes the 5th and Cesar Chavez Water Pipeline project which must be completed before the Cesar Chavez Roadway Improvement Project, scheduled to start construction on or around June, 2018. The CIP also includes Automated Meter Reading System and Water Pipeline Replacement Projects. This project includes the pipeline from the water treatment plant, down 5th Street and crossing Cesar Chavez. It also includes a water pipeline replacement on Grant Street, and the installation of a 36" water meter at the water treatment plant. The water pipeline to be replaced on Grant Street between Harold and Hwy 111 is in anticipation of a road rehabilitation project in this area later this year. The 36" water meter is needed at the water plant due to State mandates to accurately measure the water sent to the distribution system, in order to accurately determine the water loss.

Discussion and Analysis:

On January 3, 2018 the Office of the City Clerk received one (1) bid for the project:

1. A&R Construction \$1,340,302.75

After carefully reviewing all bid documentation from A&R Construction, City staff has found that they meet all required guidelines and are the lowest responsible bidder. Time is of the essence with this project. The 36" Water meter must be installed during the lowest demand period (February) because the water treatment plant distribution system must be shut down for the meter installation. The Grant Street project must be completed prior to the road rehabilitation project expected in May 2018, and the 5th Street Project must be completed prior to the Cesar Chavez Project expected to start in June 2018. Although only one bid was received, due to the reasons above City staff is requesting City Council authorization to award the bid proposal and authorize the Interim City Manager to sign an agreement with A&R Construction for this project.

Fiscal Impact:

Enterprise Funds (Water Operating)	\$1,340,302.75
CIP Budget Item 929, Cesar Chavez & 5 th Street Water Pipeline:	\$ 1,200,000
CIP Budget Item 966, Water Pipeline Replacement	\$ 250,000
CIP Budget Item 923, Automated Meter Reading System	\$ 80,000

ATTACHMENTS

Bid submitted by A&R Construction



PUBLIC WORKS DEPARTMENT

FIFTH AND GRANT AVENUE WATER MAINS IMPROVEMENTS PROJECT

BID OPENING
SUMMARY SHEET
January 3, 2018

BID OPENING: PUBLIC WORKS DEPARTMENT

PROJECT NAME: FIFTH STREET AND GRANT AVENUE WATER MAINS IMPROVEMENTS PROJECT

BIDDER'S NAME	BID BOND	AMOUNT OF BID
A.R. Construction	USD.	1,340,302.75

Bid opening conducted on January 3, 2018 at 2 p.m. in the Fernando "Nene" Torres Council Chambers located at 608 Heber Avenue, Calexico; the date, time and place duly designated for such opening.

Attest:



Erica LaCuesta, Deputy City Clerk

PUBLIC WORKS DEPARTMENT

FIFTH AND GRANT AVENUE WATER MAINS IMPROVEMENTS PROJECT

PROJECT PLANHOLDERS LIST

PUBLIC WORKS DEPARTMENT

FIFTH AND GRANT AVENUE WATER MAINS IMPROVEMENTS PROJECT

CITY OF CALEXICO INVITATION FOR BIDS

**CITY OF CALEXICO
INVITATION FOR BIDS**

5th STREET AND GRANT AVENUE WATER MAIN IMPROVEMENTS PROJECT

INVITATIONS FOR BIDS

1. GENERAL INFORMATION

The City of Calexico is inviting bids for the construction of the 5th Street and Grant Avenue Water Main Improvements Project.

2. SCOPE OF WORK

A. 5th Street Water Main Improvements:

The work shall include the procurement of materials and the installation of a new 24 inch diameter water main pipeline to be connected to an existing 18 inch water line along 5th Street east of the existing Union Pacific Railroad tracks at STA 13+42. The scope of work also includes the installation of the 24 inch water main by way of jack and bore under the Southern Pacific Railroad tracks. The proposed 24 inch water main continues west along 5th Street, crosses the Union Pacific Railroad tracks and Cesar Chavez Blvd. At Cesar Chavez Blvd. existing fire hydrants and existing water lines will be connected to the new 24 inch water main. The 24 inch water main will continue west on 5th Street to Pierce Avenue and turn north to the City of Calexico Water Treatment Plant and connect to the existing 18 inch water line at the water plant at STA 26+20. The project will also include traffic control implementation and erosion control. The proposed 5th Street Water Main Improvements will be completed (constructed) in two (2) phases. Phase 1 is part of this project. Phase 2 is not part of this project and will be bid as a separate project.

- **Phase 1** includes the work on the Water Main Pipeline on 5th Street and Pierce Avenue from Stationing 15+72 (located approximately 65 feet east of Cesar Chavez Blvd.) to Stationing 26+25 (located at the Water Treatment Plant). This portion of the work includes the connections of existing fire hydrants and existing water lines to the new 24 inch diameter water main. Phase 1 will also include traffic control implementation and erosion control.
- **Phase 2 (to be completed as a separate project, not part of this contract)** includes the work on the Water Main Pipeline from Stationing 15+72 (located approximately 65 feet east of Cesar Chavez Blvd.) to Stationing 12+55 (located approximately 230 feet west of Emerson Avenue). This portion of the work includes the jack and bore for the installation of the 24 inch water main pipe under the Union Pacific Railroad. Phase 2 will also include traffic control implementation and erosion control.

B. Grant Avenue Water Main Improvements:

The work shall include the procurement of materials and the installation of a new 12 inch diameter water main pipeline to be connected to an existing 12 inch water line along Grant Avenue starting at approximately 280 ft. east of Cesar Chavez Blvd. at STA 30+70. The proposed 12 inch water main continues east along Grant Avenue and crosses Harold Avenue and Emerson Avenue and terminates at STA 40+04 approximately 150 west of Imperial Avenue. This project will also include connections of existing water services and fire hydrants to the new water line. This project will also include traffic control implementation and erosion control.

C. 36 Inch Water Meter:

The work shall include the procurement of materials and the installation of a new 36 inch diameter water electromagnetic flow sensor at the City of Calexico Water Treatment Plant. The project includes the installation of 36 inch diameter steel pipe SCH 10, 0.312" wall thickness and pipe appurtenances to complete the installation of the water electromagnetic flow sensor. The project also includes the installation of a precast water meter vault and a 36 inch diameter steel pipe water bypass system. The 36 inch steel water pipe bypass shall be constructed during one (1) night shift to minimize impacts of the water service interruption to the City of Calexico water users.

3. PROJECT SCHEDULE

The 5th Avenue Water Main Improvements project Phase 1, The Grant Avenue Water Main Improvements and the 36 inch Diameter Electromagnetic Flow Sensor Project shall be completed within 60 calendar days after contract has been awarded and the notice to proceed has been issued.

4. PROPOSAL REQUIREMENTS

SEALED PROPOSAL will be accepted at the Office of the City Clerk, City Hall, 608 Heber Avenue, Calexico, California until 2:00 pm on Wednesday, January 3, 2018, at which time all proposals will be publicly opened and read aloud. Late, fax or emailed BIDS will be considered unresponsive.

A summary of the bids will be presented to the City Council at their meeting of Wednesday, January 10, 2018, at 6:30 p.m. in the City Council Chambers, 608 Heber Avenue, Calexico, California.

Each bid must be submitted in a sealed envelope bearing on the outside the name of the bidder, his/her address, and the name of the project for which the bid is submitted. If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed as specified in the bid form.

Copies of plans and specifications may be obtained at the Office of the Public Works Director/City Engineer, at 608 Heber Avenue, Calexico, California, for a non-refundable fee of

\$50.00. A charge of \$50.00 extra shall apply if the documents are to be mailed. Checks are to be made payable to the City of Calexico.

No bid will be received unless it is made on the prescribed bid form furnished by the Public Works Director/City Engineer. **Each bid must be accompanied by a guarantee of cash, certified check, and cashier check or bidders' bond** made payable to the City of Calexico for an amount equal to at least ten percent of the bid. Such guarantee to be forfeited should the bidder to whom the contract is awarded fails to enter into the contract. All guarantees are to be returned after the contract is awarded.

The bid may be considered incomplete and be disqualified if any of the following information is not provided.

Proposal/Bid Form	Workmen's Compensation Certificate
Bid Bond	Drug/Alcohol Testing Requirements
Proposal Agreement	Noncollusion Affidavit
Subcontractor's Listing	Corporate Certification Partnership Information

1. On the bid form(s), the unit price items and total contract price must be written in words and figures. The words and figures shall appear on the blank spaces provided.
2. Subcontractor's Listing shall be completed. If no subcontractor will be used, indicate an "X" mark on the space provided for "No" subcontractor.

Prevailing Wage Rates: In accordance with the provision of Section 1770 to 1781 of the Labor Code as duly enacted by the State of California, the City Council of the City of Calexico has ascertained the general prevailing rate of wages applicable to the work to be done as those shown in the specifications of the work. Information on the current prevailing wages can be obtained by contacting the State of California, Department of Industrial Relations, Division of Labor Statistics and Research, P.O. Box 603, San Francisco, California 94101 (415) 737-2794 or <http://www.dir.ca.gov/dlsr/PWD/index.htm>.

All bids are to be compared on the basis of the Public Works Director/City Engineer's estimate of the quantities of work to be done. A bid will only be accepted from a Contractor who is licensed in accordance with the provisions of Chapter 9, Division 3, of the Business and Professions Code of the State of California as amended. In addition, the Contractor, sub-contractors, and suppliers shall also have a business license issued by the City prior to commencing work.

Special attention of all prospective bidders is called to "Proposal Requirements and General Conditions" annexed to the blank form of the Proposal for full directions as to bidding, etc.

If bidder is a corporate entity and is awarded the contract, prior to execution of the contract, Contractor shall submit satisfactory, documentary proof that the person(s) executing said contract on the behalf of said corporation has authority to do so.

CITY'S RIGHT RESERVED: The City reserves the right to reject any or all bids, to waive any informality in a bid, and to make awards in the interest of the City.

CITY OF CALEXICO, CALIFORNIA

DATE: _____

David Dale, P.E., City Engineer/Public Works Director

END OF INVITATIONS FOR BIDS

PUBLIC WORKS DEPARTMENT

FIFTH AND GRANT AVENUE WATER MAINS IMPROVEMENTS PROJECT

CITY OF CALEXICO BID ADDENDUM #1

City of Calexico
Engineering and Public Works department

City of Calexico
5th Street and Grant Avenue Water Mains Improvements Project

ADDENDUM NO. 1

December 21, 2017

This ADDENDUM is hereby made part of the Contract Documents and specifications to the same extent as if originally included therein, and shall be signed by the Bidder and included with the proposal.

Revisions to Plans and Specifications:

Revision No. 1: Section 3 of Invitation for Bids, Page 3, "Project Schedule" the time for project completion has been changed to 110 calendar days.

3. PROJECT SCHEDULE

The 5th Avenue Water Main Improvements project Phase 1, The Grant Avenue Water Main Improvements and the 36 inch Diameter Electromagnetic Flow Sensor Project shall be completed within 110 calendar days after contract has been awarded and the notice to proceed has been issued.

Revision No. 2: Replace Pages 52 to 61 of Specifications "Proposal Bid Form" with Revised Pages 52 to 61. Revised Pages are Enclosed with this Addendum No. 1

Revision No. 3: Replace Page 62 of Specifications "Bid Bond" with Revised Page 62 Enclosed with this Addendum No. 1

Revision No. 4: Omit Section 20 "Buy America Requirements" of the Special Provisions in the project Specifications Page 51. Revised Page 51 is Enclosed with this Addendum No. 1

Additional Documents included with this Addendum:

Item No. 1: Engineer's Cost Estimate.

City of Calexico

Engineering and Public Works department

City of Calexico

5th Street and Grant Avenue Water Mains Improvements Project

**ADDENDUM NO. 1
ACCEPTANCE OF NOTICE**

Please acknowledge receipt of this Addendum No. 1 consisting of 20 pages, by signing and returning a copy of this Acceptance of Notice with the **Bid Proposal Package**. Each bidder must acknowledge receipt of this addendum in the noted space below and on the signature page of the Bid Form Page 61. Include a copy of this addendum with your Bid Proposal Package. It is the Contractor's responsibility to notify its sub-contractors about changes based all addendums.

ACCEPTANCE OF NOTICE

Receipt of the ADDENDUM No. 1 is hereby acknowledged by

Company Name

Date

By: _____
Print Name & Title

Signature

PROPOSAL BID FORM

TO THE PUBLIC WORKS DIRECTOR/ CITY ENGINEER OF THE CITY OF CALEXICO:

The undersigned hereby declares that he has carefully examined the location of the proposed work that he has examined the plans and specifications and read the accompanying instructions to bidders and hereby proposes to furnish all material except owner furnished materials, and do all work required to complete the said work in accordance with said plans and specifications and special provisions for the unit prices set forth in the following schedule. The bidder shall furnish prices for all items shown in the proposal.

MOBILIZATION

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
1	1	LS	Mobilization of equipment and material, Performance Bond, Payment Bond, General Liability Insurance, Workman's Compensation Insurance, Construction water, freight, project signs, Air pollution control district requirements and fees, Restroom Facilities, Vehicle Insurance, Taxes, Permits, City of Calexico Business license, and Similar expenses and other costs not specifically addressed within this bid item list.	\$	\$

Mobilization: Sub-Total Bid: _____

Mobilization: Sub-Total Bid Price Written in words: _____

5th STREET WATER MAIN IMPROVEMENTS PHASE 1

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
2	1	LS	Implementation of Traffic Control Plans and Construction Area Signs	\$	\$
3	1	LS	Potholing of the Existing Underground Utilities and Pipelines as indicated on Improvement Plans.	\$	\$
4	1	LS	Implementation of Erosion Control Plan and Installation Maintenance, and Removal of BMPs per Improvement Plans. Preparation and Implementation of Dust Control Plan and APCD permit.	\$	\$
5	1	LS	Construction Staking per Specifications	\$	\$
6	2,180	LF	Sawcut the Existing A.C. Pavement for the Full Depth of A.C. Pavement per Demolition Keynote 1.	\$	\$
7	675	SY	Remove and Dispose of Existing A.C. Pavement And Underlying Material per Demolition Keynote 1.	\$	\$
8	4,150	SF	Cold Plane The Existing A.C. Pavement for a Thickness of 0.12 foot per Demolition Keynote 2.	\$	\$
9	75	LF	Sawcut Existing P.C.C. Concrete Curb and Gutter, Sidewalk, or Driveway for the Full Depth of Concrete per Demolition Keynote 3	\$	\$
10	300	SF	Remove and Dispose of Existing P.C.C. Concrete and Underlying Material per Demolition Keynote 3.	\$	\$
11	1,100	LF	Furnish and Install New 24-inch Dia. AWWA C-905 DR 18 - Pressure Class 235 PVC Water Pipeline, Including Native Material Backfill and Compaction.	\$	\$
12	150	TON	Install A.C. Pavement Per Construction Keynote No. 3.	\$	\$
13	170	CY	Install Class II Base Per Construction Keynote No. 3.	\$	\$
14	620	CY	Install Granular Sand Backfill Within Pipe Trench per Construction Keynote 1.	\$	\$
15	3	EA	Furnish and Install New Blow-Off Assembly.	\$	\$
16	2	EA	Install Utility Crossing per Detail "F" on Sheet 9. Include Pipe Bends and Appurtenances	\$	\$
17	1	EA	Furnish and Install 24-Inch Dia. Blind Flange "End Cap"	\$	\$

18	120	SF	Install Concrete Cross Gutter, Class II Base and Subgrade Preparation.	\$	\$
19	30	LF	Install Concrete Curb and Gutter, Class II Base and Subgrade Preparation.	\$	\$
20	150	SF	Install Concrete Sidewalks, Class II Base and Subgrade Preparation.	\$	\$
21	1	LS	Remove and Re-install Existing Chain-link Fence including Concrete.	\$	\$
22	2	EA	Install New 18-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with 316 Stainless Steel Hardware	\$	\$
23	10	LF	Furnish and Install New 18-inch Dia. AWWA C-905 DR21 - Pressure Class 200 PVC Water Pipeline.	\$	\$
24	1	EA	Furnish and Install New 24-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 90-Degree Elbow.	\$	\$
25	1	EA	Furnish and Install New 18-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 90-Degree Elbow.	\$	\$
26	2	EA	Furnish and Install New 24-Dia. FLx MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$	\$
27	1	EA	Furnish and Install New 24-Inch x 24-Inch x 18-Inch Dia. FLx MJx MJ Epoxy-Coated Ductile Iron Tee.	\$	\$
28	1	EA	Furnish and Install New 8-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 22.5-Degree Elbow.	\$	\$
29	1	EA	Furnish and Install New 12-Dia. FLx MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$	\$
30	1	EA	Furnish and Install New 12-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$	\$
31	1	EA	Furnish and Install New 24-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 22.5-Degree Elbow.	\$	\$
32	3	EA	Furnish and Install New 24-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 45-Degree Elbow.	\$	\$
33	10	LF	Install New 12-inch Dia. AWWA C-900 DR18 - Pressure Class 235 PVC Water Pipeline.	\$	\$
34	1	EA	Furnish and Install New 8-inch x 6-inch MJx MJ Ductile Iron Epoxy-Coated Reducer, Restrained Joint Fitting.	\$	\$
35	1	EA	Furnish and Install New Fire Hydrant Assembly Including gate Valve and Valve Can	\$	\$

36	1	EA	Furnish and Install New 8-Dia. FL x MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$	\$
37	1	EA	Furnish and Install New 24-Inch x 24-Inch x 16-Inch Dia. MJ x MJ x FL Epoxy-Coated Ductile Iron Tee.	\$	\$
38	1	EA	Furnish and Install New 16-Dia. FL x MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$	\$
39	1	EA	Furnish and Install New 16-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$	\$
40	14	LF	Furnish and Install New 16-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline.	\$	\$
41	1	EA	Furnish and Install New 12-inch x 6-inch FL x MJ Ductile Iron Epoxy-Coated Reducer, Restrained Joint Fitting.	\$	\$
42	362	LF	Furnish and Install New 8-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline.	\$	\$
43	1	EA	Furnish and Install New 6-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$	\$
44	2	EA	Furnish and Install New 6-Inch Dia. MJ x MJ Ductile Iron Epoxy-Coated 90-Degree Elbow and Thrust Blocks	\$	\$
45	1	EA	Furnish and Install New 24-Inch x 24-Inch x 12-Inch x 12-Inch Dia. MJ x MJ x MJ x FL Epoxy-Coated Ductile Iron Cross.	\$	\$
46	2	EA	Relocate Existing Fire Hydrant and Install New Water Line and Gate Valve	\$	\$
47	2	EA	Relocate Existing Water Meter and Install New Water Service Line	\$	\$
48	4	EA	Furnish and Install Air Release Valves	\$	\$
49	1	EA	Furnish and Install New 24-Inch x 24-Inch x 8-Inch Dia. MJ x MJ x FL Epoxy-Coated Ductile Iron Tee.	\$	\$
50	1	EA	Furnish and Install New 24-inch x 18-inch MJ x MJ Ductile Iron Epoxy-Coated Reducer, Restrained Joint Fitting.	\$	\$
51	1	EA	Furnish and Install New 6-Dia. FL x MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$	\$
52	3	EA	Install New Blow-Off Assembly per Construction Keynote 4.	\$	\$

53	16	LF	Install New 6-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water, Including Native Material Backfill and Compaction	\$	\$
54	1	LS	Contractor to Complete Hydrostatic Pressure Testing per Specifications.	\$	\$
55	1	LS	Contractor to Complete Disinfection of the New Pipeline per Specifications	\$	\$

5TH Street Water Main Improvements Phase 1: Sub-Total Bid: _____

5TH Street Water Main Improvements Phase 1: Sub-Total Bid Price Written in words: _____

GRANT AVENUE WATER MAIN IMPROVEMENTS

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
56	1	LS	Implementation of Traffic Control Plans and Construction Area Signs	\$	\$
57	1	LS	Potholing of the Existing Underground Utilities and Pipelines as indicated on Improvement Plans.	\$	\$
58	1	LS	Implementation of Erosion Control Plan and Installation Maintenance, and Removal of BMPs per Improvement Plans. Preparation and Implementation of Dust Control Plan and APCD permit.	\$	\$
59	1	LS	Construction Staking per the Specifications.	\$	\$
60	2,100	LF	Sawcut the Existing A.C. Pavement for the Full Depth of A.C. Pavement per Demolition Keynote 1.	\$	\$
61	320	SY	Remove and Dispose of Existing A.C. Pavement And Underlying Material per Demolition Keynote 1.	\$	\$
62	4,200	SF	Cold Plane The Existing A.C. Pavement for a Thickness of 0.12 foot per Demolition Keynote 2.	\$	\$
63	60	LF	Sawcut Existing P.C.C. Concrete Curb and Gutter, Sidewalk, or Driveway for the Full Depth of Concrete per Demolition Keynote 3	\$	\$
64	1,440	SF	Remove and Dispose of Existing P.C.C. Concrete and Underlying Material per Demolition Keynote 3.	\$	\$
65	920	LF	Install New 12-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline per Construction Keynote 1, Including Native Material Backfill and Compaction	\$	\$
66	96	TON	Install A.C. Pavement per Construction Keynote No. 2	\$	\$
67	80	CY	Install Class II Base per Construction Keynote No.2.	\$	\$
68	180	CY	Install Granular Sand Backfill Within Pipe Trench per Construction Keynote 1.	\$	\$
69	2	EA	Install New Blow-Off Assembly per Construction Keynote 4.	\$	\$
70	2	EA	Install New 12-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with 316 Stainless Steel Hardware	\$	\$

71	4	EA	Install New 12-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 45-Degree Elbow, Including Thrust Block.	\$	\$
72	1	EA	Install New 12-Inch x 12-Inch x 12-Inch Dia. MJ x MJx FL Epoxy-Coated Ductile Iron Tee, Including Thrust Block.	\$	\$
73	1	EA	Install New 12-Dia. FL x MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$	\$
74	6	EA	Out Existing Water Service Lines and Connect to New Water Main Line.	\$	\$
75	2	EA	Install New 6-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware.	\$	\$
76	4	EA	Install New 6-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 45-Degree Elbow, Including Thrust Block.	\$	\$
77	1	EA	Install New 12-Inch x 12-Inch x 6-Inch x 6-Inch Dia. MJx MJx MJx MJ Epoxy-Coated Ductile Iron Cross, Including Thrust Block.	\$	\$
78	90	LF	Install New 6-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water, Including Native Material Backfill and Compaction	\$	\$
79	2	EA	Out Existing Water Fire Line and Connect to New Water Main Line.	\$	\$
80	1	LS	Contractor to Complete Hydrostatic Pressure Testing per Specifications.	\$	\$
81	1	LS	Contractor to Complete Disinfection of the New Pipeline per Specifications	\$	\$
82	950	SF	Install New Concrete Driveway, Class II Base and Subgrade Preparation	\$	\$
83	320	SF	Install Concrete Sidewalks, Class II Base and Subgrade Preparation.	\$	\$
84	1	EA	Install New 12-inch x 4-inch FL x MJ Ductile Iron Epoxy-Coated Reducer, Restrained Joint Fitting.	\$	\$
85	60	LF	Install New 4-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water, Including Native Material Backfill and Compaction	\$	\$
86	2	EA	Install New 4-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 45-Degree Elbow, Including Thrust Block.	\$	\$
87	1	EA	Install New 4-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$	\$
88	1	EA	Furnish and Install Air Release Valves	\$	\$

89	2	EA	Contractor to Adjust the Existing Water Valve Riser to Finish Grade	\$	\$
----	---	----	---	----	----

Grant Avenue Water Main Improvements: Sub-Total Bid: _____

Grant Avenue Water Main Improvements: Sub-Total Bid Price Written in words: _____

ELECTROMAGNETIC FLOW SENSOR AND METER VAULT

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
90	28	LF	Furnish and Install New 36 Inch Diameter Steel Water Transmission Bypass Pipe, Schedule 10, 0.312-Inch Wall Thickness. Include Welded Connections and Interior and Exterior Coating Include Polyethylene Pipe Wrap.	\$	\$
91	2	EA	Furnish and Install 36" x 36" x 36" Flanged Tee for Water Pipe Bypass	\$	\$
92	2	EA	Furnish and Install 90 Degree Flanged Bends for Water Pipe Bypass	\$	\$
93	3	EA	Furnish and Install 36 Inch Diameter Butterfly Valve with Flanged Ends and Buried Services Actuator for Water Pipe Bypass	\$	\$
94	1	LS	Out Existing 36 Inch Diameter Steel Pipe and Weld New Flange to Existing Steel Pipe for Water Bypass.	\$	\$
95	1	EA	Pressure Test and Disinfect Pipe Bypass.	\$	\$
96	12	LF	Furnish and Install New 36 Inch Diameter Steel Water Transmission Pipe, Schedule 10, 0.312-Inch Wall Thickness. Include Welded Connections and Interior and Exterior Coating. Include Polyethylene Pipe Wrap.	\$	\$
97	1	EA	Furnish and Install 36 Inch Krohne Enviromag 2000 Electromagnetic Flow Sensor	\$	\$
98	2	EA	Construct Concrete Pipe Supports	\$	\$

99	1	EA	Furnish and Install 8' x 10' x 9.5' Precast Concrete Meter Vault. Installation to Include 3/4 Inch Rock Base Material and Subgrade Preparation.	\$	\$
100	1	EA	Furnish and Install Metal Grate Cover for Precast Meter Vault.	\$	\$
101	1	EA	Furnish and Install Galvanized precast Vault Access Ladder	\$	\$
102	325	CY	Fill and Grade Existing Area with Fill Material from City Treatment Plant (Approximately 325 CY)	\$	\$
103	1	LS	Electrical. Run Electrical Service to New Meter Vault.	\$	\$

Electromagnetic Flow Sensor and Meter Vault: Sub-Total Bid: _____

Electromagnetic Flow Sensor and Meter Vault: Sub-Total Bid Price Written in words: _____

Grand Total Bid (Mobilization, 5th Street Water Main Improvements, Grant Avenue Water Main Improvements and Electromagnetic Flow Meter): _____

Grand Total Bid (Mobilization, 5th Street Water Main Improvements, Grant Avenue Water Main Improvements and Electromagnetic Flow Meter Price Written in words: _____

1.00 – The undersigned hereby acknowledges the receipt of the following addendum:

None _____; No. 1 _____; No. 2 _____; No. 3 _____; No. 4 _____; No. 5 _____

2.00 – The undersign hereby certifies that this proposal/bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation.

3.00 – The undersigned hereby accepts on the behalf of his firm all provisions and requirements of the contract documents, including but not limited to those related to time of completion and liquidated damages.

4.00 – The undersigned hereby certifies that they are authorized representative of the firm on whose behalf this proposal/bid is submitted and that they are acting at the direction and with the required approval of said firm, which is identified as follows:

Name of firm: _____

Address of firm: _____

Telephone number: () _____ Fax number: () _____

Contractor's license number: _____ Type: _____

Signed: _____ Date: _____

END OF PROPOSAL/ BID FORM

BID BOND

KNOW ALL MEN BY THESE PRESENTS

THAT _____, hereinafter called Principal, and
_____ Hereinafter called the Surety, are jointly and severly held

and firmly bound unto the CITY OF CALEXICO hereinafter called Owner, in the penal sum of
ten percent (10%) of the Bid of Principal for the Works of _____

_____ . This sum not to
_____ exceed

_____ Dollars (\$ _____) lawful money of the United States
of America, for the payment whereof unto Owner, Principal and Surety jointly and severly bind
themselves forever firmly by these presents, except said penal sum shall not exceed ten percent
(10%) of the amount Bid by Principal for Work which is awarded to Principal by the Owner.

WHEREAS, Principal is herewith submitting a bid for the work entitled "City of Calexico 5th Street
and Grant Avenue Water Mains Improvements Project".

NOW, THEREFORE, the condition of this obligation is such that if Principal is awarded a contract for
the work, and if Principal within the time specified in the bid enters into, executes and delivers to
owner an agreement in the form provided herewith, and if Principal within the time specified in
the Bid gives to the owner the performance bond and the payment bond on the forms provided
herewith, then this obligation shall be void. If, however, Principal shall fail or refuse to furnish,
execute and deliver to owner said agreement in the time stated in the bid or should fail or refuse
to furnish Performance Bond and Payment Bond in the time stated in the bid, then Principal and
Surety shall forfeit to Owner the penal sum hereof.

AND, IT IS HEREBY DECLARED AND AGREED that Surety shall be liable under this obligation as
Principal, and that nothing of any kind of nature whatsoever that will not discharge, Principal shall
operate as a release of liability of Surety.

IN WITNESS WHEREOF, we have hereunto set our hands and sealed this _____ day of
_____ 2018.

BY: _____

BY: _____

Insurance companies A.M. Best Company identifying number: _____

END OF BID BOND
PROPOSAL AGREEMENT

- h. Subcontractor's Listing, Products Listing
- i. Non-collusion Affidavit
- j. Corporation Certificate/ Partnership Information
- k. Approved Bid Addendum, Change Orders and Submittals
- l. Certification of Qualifications for License Classification

~~20. BUY AMERICA REQUIREMENTS~~

~~In accordance with Caltrans memorandum issued on December 30, 2013 with regard to the Buy America (BA) requirements as per the direction of the Federal Highway Administration (FHWA), the conditions indicated in the aforementioned memorandum apply to this project.~~

END OF SPECIAL PROVISIONS

City of Calexico Water Line Improvements Projects - 5th Street Phase 1, Grant Ave and Meter Station
 Date: 12/20/2017
 Engineer's Cost Estimate

Mobilization Base Bid Items:

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
1	1	LS	Mobilization of equipment and material, Performance Bond, Payment Bond, General Liability Insurance, Workman's Compensation Insurance, Construction water, freight, project signs, Air pollution control district requirements and fees, Restroom Facilities, Vehicle Insurance, Taxes, Permits, City of Calexico Business license, and Similar expenses and other costs not specifically addressed within this bid item list.	\$ 95,000.00	\$ 95,000.00
Sub Total:				\$	95,000.00

5th Street Phase 1 Water Improvements Base Bid Items:

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
2	1	LS	Implementation of Traffic Control Plans and Construction Area Signs	\$ 24,000.00	\$ 24,000.00
3	1	LS	Potholing of the Existing Underground Utilities and Pipelines as indicated on Improvement Plans.	\$ 4,500.00	\$ 4,500.00
4	1	LS	Implementation of Erosion Control Plan and Installation Maintenance, and Removal of BMPs per Improvement Plans. Preparation and Implementation of Dust Control Plan and APCD permit.	\$ 7,800.00	\$ 7,800.00
5	1	LS	Construction Staking per Specifications	\$ 8,500.00	\$ 8,500.00
6	2,180	LF	Sawcut the Existing A.C. Pavement for the Full Depth of A.C. Pavement per Demolition Keynote 1.	\$ 1.70	\$ 3,706.00
7	675	SY	Remove and Dispose of Existing A.C. Pavement And Underlying Material per Demolition Keynote 1.	\$ 12.00	\$ 8,100.00
8	4,150	SF	Cold Plane The Existing A.C. Pavement for a Thickness of 0.12 foot per Demolition Keynote 2.	\$1.35	\$ 5,602.50
9	75	LF	Sawcut Existing P.C.C. Concrete Curb and Gutter, Sidewalk, or Driveway for the Full Depth of Concrete per Demolition Keynote 3	\$ 6.00	\$ 450.00
10	300	SF	Remove and Dispose of Existing P.C.C. Concrete and Underlying Material per Demolition Keynote 3.	\$ 7.50	\$ 2,250.00
11	1,100	LF	Furnish and Install New 24-inch Dia. AWWA C-905 DR 18 - Pressure Class 235 PVC Water Pipeline, Including Native Material Backfill and Compaction.	\$ 135.00	\$ 148,500.00

12	150	TON	Install A.C. Pavement Per Construction Keynote No. 3.	\$ 140.00	\$ 21,000.00
13	170	CY	Install Class II Base Per Construction Keynote No. 3.	\$ 52.00	\$ 8,840.00
14	620	CY	Install Granular Sand Backfill Within Pipe Trench per Construction Keynote 1.	\$ 50.00	\$ 31,000.00
15	3	EA	Furnish and Install New Blow-Off Assembly.	\$ 3,200.00	\$ 9,600.00
16	2	EA	Install Utility Crossing per Detail "F" on Sheet 9. Include Pipe Bends and Appurtenances	\$ 19,500.00	\$ 39,000.00
17	1	EA	Furnish and Install 24-Inch Dia. Blind Flange "End Cap"	\$ 3,200.00	\$ 3,200.00
18	120	SF	Install Concrete Cross Gutter, Class II Base and Subgrade Preparation.	\$ 14.00	\$ 1,680.00
19	30	LF	Install Concrete Curb and Gutter, Class II Base and Subgrade Preparation.	\$ 45.00	\$ 1,350.00
20	150	SF	Install Concrete Sidewalks, Class II Base and Subgrade Preparation.	\$ 13.00	\$ 1,950.00
21	1	LS	Remove and Re-install Existing Chain-link Fence including Concrete.	\$ 1,750.00	\$ 1,750.00
22	2	EA	Install New 18-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with 316 Stainless Steel Hardware	\$ 3,700.00	\$ 7,400.00
23	10	LF	Furnish and Install New 18-inch Dia. AWWA C-905 DR21 - Pressure Class 200 PVC Water Pipeline.	\$ 115.00	\$ 1,150.00
24	1	EA	Furnish and Install New 24-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 90-Degree Elbow.	\$ 5,400.00	\$ 5,400.00
25	1	EA	Furnish and Install New 18-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 90-Degree Elbow.	\$ 4,200.00	\$ 4,200.00
26	2	EA	Furnish and Install New 24-Dia. FLx MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 14,500.00	\$ 29,000.00
27	1	EA	Furnish and Install New 24-Inch x 24-Inch x 18-Inch Dia. FLx MJx MJ Epoxy-Coated Ductile Iron Tee.	\$ 7,300.00	\$ 7,300.00
28	1	EA	Furnish and Install New 8-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 22.5-Degree Elbow.	\$ 1,250.00	\$ 1,250.00
29	1	EA	Furnish and Install New 12-Dia. FLx MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 4,500.00	\$ 4,500.00
30	1	EA	Furnish and Install New 12-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$ 1,600.00	\$ 1,600.00
31	1	EA	Furnish and Install New 24-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 22.5-Degree Elbow.	\$ 3,800.00	\$ 3,800.00
32	3	EA	Furnish and Install New 24-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 45-Degree Elbow.	\$ 4,800.00	\$ 14,400.00
33	10	LF	Install New 12-inch Dia. AWWA C-900 DR18 - Pressure Class 235 PVC Water Pipeline.	\$ 85.00	\$ 850.00
34	1	EA	Furnish and Install New 8-inch x 6-inch MJx MJ Ductile Iron Epoxy-Coated Reducer, Restrained Joint Fitting.	\$ 950.00	\$ 950.00

35	1	EA	Furnish and Install New Fire Hydrant Assembly Including gate Valve and Valve Can	\$ 5,600.00	\$ 5,600.00
36	1	EA	Furnish and Install New 8-Dia. FLx MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 3,200.00	\$ 3,200.00
37	1	EA	Furnish and Install New 24-Inch x 24-Inch x 16-Inch Dia. MJx MJx FL Epoxy-Coated Ductile Iron Tee.	\$ 7,100.00	\$ 7,100.00
38	1	EA	Furnish and Install New 16-Dia. FLx MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 7,200.00	\$ 7,200.00
39	1	EA	Furnish and Install New 16-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$ 2,400.00	\$ 2,400.00
40	14	LF	Furnish and Install New 16-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline.	\$ 115.00	\$ 1,610.00
41	1	EA	Furnish and Install New 12-inch x 6-inch FLx MJ Ductile Iron Epoxy-Coated Reducer, Restrained Joint Fitting.	\$ 1,200.00	\$ 1,200.00
42	362	LF	Furnish and Install New 8-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline.	\$ 50.00	\$ 18,100.00
43	1	EA	Furnish and Install New 6-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$ 950.00	\$ 950.00
44	2	EA	Furnish and Install New 6-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 90-Degree Elbow and Thrust Blocks	\$ 1,500.00	\$ 3,000.00
45	1	EA	Furnish and Install New 24-Inch x 24-Inch x 12-Inch x 12-Inch Dia. MJx MJx MJx FL Epoxy-Coated Ductile Iron Cross.	\$ 8,500.00	\$ 8,500.00
46	2	EA	Relocate Existing Fire Hydrant and Install New Water Line and Gate Valve	\$ 3,800.00	\$ 7,600.00
47	2	EA	Relocate Existing Water Meter and Install New Water Service Line	\$ 3,100.00	\$ 6,200.00
48	4	EA	Furnish and Install Air Release Valves	\$ 2,500.00	\$ 10,000.00
49	1	EA	Furnish and Install New 24-Inch x 24-Inch x 8-Inch Dia. MJx MJx FL Epoxy-Coated Ductile Iron Tee.	\$ 6,200.00	\$ 6,200.00
50	1	EA	Furnish and Install New 24-inch x 18-inch MJx MJ Ductile Iron Epoxy-Coated Reducer, Restrained Joint Fitting.	\$ 3,800.00	\$ 3,800.00
51	1	EA	Furnish and Install New 6-Dia. FLx MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 1,700.00	\$ 1,700.00
52	3	EA	Install New Blow-Off Assembly per Construction Keynote 4 .	\$ 2,400.00	\$ 7,200.00
53	16	LF	Install New 6-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water, Including Native Material Backfill and Compaction	\$ 45.00	\$ 720.00
54	1	LS	Contractor to Complete Hydrostatic Pressure Testing per Specifications.	\$ 9,600.00	\$ 9,600.00

55	1	LS	Contractor to Complete Disinfection of the New Pipeline per Specifications	\$ 7,400.00	\$ 7,400.00
				Sub Total:	\$ 533,858.50

Grant Avenue Water Improvements Base Bid Items:

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
56	1	LS	Implementation of Traffic Control Plans and Construction Area Signs	\$ 26,000.00	\$ 26,000.00
57	1	LS	Potholing of the Existing Underground Utilities and Pipelines as indicated on Improvement Plans.	\$ 3,400.00	\$ 3,400.00
58	1	LS	Implementation of Erosion Control Plan and Installation Maintenance, and Removal of BMPs per Improvement Plans. Preparation and Implementation of Dust Control Plan and APCD permit.	\$ 5,500.00	\$ 5,500.00
59	1	LS	Construction Staking per the Specifications.	\$ 7,500.00	\$ 7,500.00
60	2,100	LF	Sawcut the Existing A.C. Pavement for the Full Depth of A.C. Pavement per Demolition Keynote 1.	\$ 1.70	\$ 3,570.00
61	320	SY	Remove and Dispose of Existing A.C. Pavement And Underlying Material per Demolition Keynote 1.	\$ 12.00	\$ 3,840.00
62	4,200	SF	Cold Plane The Existing A.C. Pavement for a Thickness of 0.12 foot per Demolition Keynote 2.	\$1.35	\$ 5,670.00
63	60	LF	Sawcut Existing P.C.C. Concrete Curb and Gutter, Sidewalk, or Driveway for the Full Depth of Concrete per Demolition Keynote 3	\$ 6.00	\$ 360.00
64	1,440	SF	Remove and Dispose of Existing P.C.C. Concrete and Underlying Material per Demolition Keynote 3.	\$ 7.50	\$ 10,800.00
65	920	LF	Install New 12-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline per Construction Keynote 1, Including Native Material Backfill and Compaction	\$ 85.00	\$ 78,200.00
66	96	TON	Install A.C. Pavement per Construction Keynote No. 2	\$ 140.00	\$ 13,440.00
67	80	CY	Install Class II Base per Construction Keynote No.2.	\$ 52.00	\$ 4,160.00
68	180	CY	Install Granular Sand Backfill Within Pipe Trench per Construction Keynote 1.	\$ 50.00	\$ 9,000.00
69	2	EA	Install New Blow-Off Assembly per Construction Keynote 4 .	\$ 2,400.00	\$ 4,800.00
70	2	EA	Install New 12-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with 316 Stainless Steel Hardware	\$ 1,600.00	\$ 3,200.00
71	4	EA	Install New 12-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 45-Degree Elbow, Including Thrust Block.	\$ 1,800.00	\$ 7,200.00

72	1	EA	Install New 12-Inch x 12-Inch x 12-Inch Dia. MJx MJ x FL Epoxy-Coated Ductile Iron Tee, Including Thrust Block.	\$ 3,800.00	\$ 3,800.00
73	1	EA	Install New 12-Dia. FLx MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 4,500.00	\$ 4,500.00
74	6	EA	Cut Existing Water Service Lines and Connect to New Water Main Line.	\$ 1,100.00	\$ 6,600.00
75	2	EA	Install New 6-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware.	\$ 950.00	\$ 1,900.00
76	4	EA	Install New 6-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 45-Degree Elbow, Including Thrust Block.	\$ 1,400.00	\$ 5,600.00
77	1	EA	Install New 12-Inch x 12-Inch x 6-Inch x 6-Inch Dia. MJx MJx MJx MJ Epoxy-Coated Ductile Iron Cross, Including Thrust Block.	\$ 3,600.00	\$ 3,600.00
78	90	LF	Install New 6-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water, Including Native Material Backfill and Compaction	\$ 55.00	\$ 4,950.00
79	2	EA	Cut Existing Water Fire Line and Connect to New Water Main Line.	\$ 2,200.00	\$ 4,400.00
80	1	LS	Contractor to Complete Hydrostatic Pressure Testing per Specifications.	\$ 6,700.00	\$ 6,700.00
81	1	LS	Contractor to Complete Disinfection of the New Pipeline per Specifications	\$ 6,200.00	\$ 6,200.00
82	950	SF	Install New Concrete Driveway, Class II Base and Subgrade Preparation	\$ 12.00	\$ 11,400.00
83	320	SF	Install Concrete Sidewalks, Class II Base and Subgrade Preparation.	\$ 8.50	\$ 2,720.00
84	1	EA	Install New 12-inch x 4-inch FL x MJ Ductile Iron Epoxy-Coated Reducer, Restrained Joint Fitting.	\$ 1,100.00	\$ 1,100.00
85	60	LF	Install New 4-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water, Including Native Material Backfill and Compaction	\$ 40.00	\$ 2,400.00
86	2	EA	Install New 4-Inch Dia. MJx MJ Ductile Iron Epoxy-Coated 45-Degree Elbow, Including Thrust Block.	\$ 650.00	\$ 1,300.00
87	1	EA	Install New 4-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$ 700.00	\$ 700.00
88	1	EA	Furnish and Install Air Release Valves	\$ 2,500.00	\$ 2,500.00
89	2	EA	Contractor to Adjust the Existing Water Valve Riser to Finish Grade	\$ 950.00	\$ 1,900.00
Sub Total:					\$ 258,910.00

Electromagnetic Flow Sensor and Meter Vault Base Bid Items:

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
------	----------	------	------	-----------	--------

90	28	LF	Furnish and Install New 36 Inch Diameter Steel Water Transmission Bypass Pipe, Schedule 10, 0.312-Inch Wall Thickness. Include Welded Connections and Interior and Exterior Coating Include Polyethylene Pipe Wrap.	\$ 850.00	\$ 23,800.00
91	2	EA	Furnish and Install 36" x 36" x 36" Flanged Tee for Water Pipe Bypass	\$ 17,825.00	\$ 35,650.00
92	2	EA	Furnish and Install 90 Degree Flanged Bends for Water Pipe Bypass	\$ 12,675.00	\$ 25,350.00
93	3	EA	Furnish and Install 36 Inch Diameter Butterfly Valve with Flanged Ends and Buried Services Actuator for Water Pipe Bypass	\$ 24,000.00	\$ 72,000.00
94	1	LS	Out Existing 36 Inch Diameter Steel Pipe and Weld New Flange to Existing Steel Pipe for Water Bypass.	\$ 6,500.00	\$ 6,500.00
95	1	EA	Pressure Test and Disinfect Pipe Bypass.	\$ 6,500.00	\$ 6,500.00
96	12	LF	Furnish and Install New 36 Inch Diameter Steel Water Transmission Pipe, Schedule 10, 0.312-Inch Wall Thickness. Include Welded Connections and Interior and Exterior Coating. Include Polyethylene Pipe Wrap.	\$ 850.00	\$ 10,200.00
97	1	EA	Furnish and Install 36 Inch Krohne Enviromag 2000 Electromagnetic Flow Sensor	\$ 34,000.00	\$ 34,000.00
98	2	EA	Construct Concrete Pipe Supports	\$ 1,250.00	\$ 2,500.00
99	1	EA	Furnish and Install 8' x 10' x 9.5' Precast Concrete Meter Vault. Installation to Include 3/4 Inch Rock Base Material and Subgrade Preparation.	\$ 27,000.00	\$ 27,000.00
100	1	EA	Furnish and Install Metal Grate Cover for Precast Meter Vault.	\$ 4,200.00	\$ 4,200.00
101	1	EA	Furnish and Install Galvanized precast Vault Access Ladder	\$ 1,700.00	\$ 1,700.00
102	325	CY	Fill and Grade Existing Area with Fill Material from Qty Treatment Plant (Approximately 325 CY)	\$ 15.00	\$ 4,875.00
103	1	LS	Electrical. Run Electrical Service to New Meter Vault.	\$ 6,500.00	\$ 6,500.00
				Sub Total:	\$ 260,775.00

Construction Cost Summary:

Mobilization Base Bid Items:	Sub Total:	\$ 95,000.00
5th Street Phase 1 Water Improvements Base Bid Items:	Sub Total:	\$ 533,858.50
Grant Avenue Water Improvements Base Bid Items:	Sub Total:	\$ 258,910.00
Electromagnetic Flow Sensor and Meter Vault Base Bid Items:	Sub Total:	\$ 260,775.00

Total:	\$ 1,148,543.50
--------	-----------------

PUBLIC WORKS DEPARTMENT

FIFTH AND GRANT AVENUE WATER MAINS IMPROVEMENTS PROJECT

CITY OF CALEXICO BID ADDENDUM #2

City of Calexico
Engineering and Public Works department

City of Calexico
5th Street and Grant Avenue Water Mains Improvements Project

ADDENDUM NO. 2

December 28, 2017

This ADDENDUM is hereby made part of the Contract Documents and specifications to the same extent as if originally included therein, and shall be signed by the Bidder and included with the proposal.

Corrections:

Proposal Bid Form Page 58 Please replace Page 58 with revised Page 58 included with this Addendum No.2. Bid Item No. 79 Quantities changed from 2 to 4.

Questions/RFI's:

Question No. 1: Detail 7 sht. 8 clarify size on south leg of connection:

Response: 12 inch diameter.

Question No. 2: Detail not clear if breakoff spools required?

Response: Break-off risers are required at fire hydrant installations.

Question No. 3: Clarify key note 15 on sheet 16 of 21 at what point do we connect to the existing?

Response: Existing water services along the new water main shall be connected to the new water main once the new pipe has been pressure tested and disinfected.

Question No. 4: Please clarify epoxy coating.

Response:

Coating System: Use Type V system which is a 2-package polyisocyanate, polyol cured urethane coating, mixed in 1:1 ratio at time of application. The components shall be balanced viscosities in their liquid state and not require agitation during use.

Exterior Coating Material: CORROPIPE II-TX and Joint Coating Material CORROPIPE II-PW, manufactured by Madison Chemical Industries, Inc., 5673 Old Dixie Road, Forest Park, Georgia 30050, or approved equal.

Internal Coating Material: Joint Coating Material CORROPIPE II-PW,

manufactured by Madison Chemical Industries, Inc., 5673 Old Dixie Road, Forest Park, Georgia 30050, or approved equal.

Question No. 5: Is a valve required at the POC Detail 9 sht. 18 of 21 sta.30+70?

Response: There is an existing valve not too form from the point of connection (approximately 80 ft).

Question No. 6: Is the age of the existing valves on Grant Street known @ the points of connections can a dry connection be expected?

Response: The existing valves are approximately 30 years old but they are in good condition. The city often shuts the water line to perform repairs on the water main. A dry connection shall be expected.

Question No. 7: What size and what kind of water service line are the services on Grant Street?

Response: The existing water services are $\frac{3}{4}$ inch in diameter. It will be required by the contractor to install 1 inch diameter service line up to the meter.

Question No. 8: In the alley @ sta. 36+22 & 40+00 South the plan shows to protect the existing fire hydrants in place and key notes raising the existing valve to the new grade the new connections are behind them and will leave them abandoned please clarify.

Response: The existing fire hydrants shall be connected to the new 6 inch lines running north and south at the alleys. The existing valves and valve cans shall be adjusted to new finish grade.

Question No. 9: The points of connections are shown very close to the existing line valves, will the city have control to isolate these areas during connections to prevent the valves from pushing off and leaking?

Response: Yes, the City will work close with the contractor to isolate work areas.

Question No. 10: The plan shows @ sta.31+00 +/- two lines servicing the same hydrant please clarify.

Response: The existing line servicing the fire hydrant runs approximately 28 ft west behind the sidewalk and connects to the existing water main. The line shown north directly from the fire hydrant to the existing water main is nonexistent and shall be disregarded.

City of Calexico

Engineering and Public Works department

City of Calexico

5th Street and Grant Avenue Water Mains Improvements Project

**ADDENDUM NO. 2
ACCEPTANCE OF NOTICE**

Please acknowledge receipt of this Addendum No. 2 consisting of 4 pages, by signing and returning a copy of this Acceptance of Notice with the **Bid Proposal Package**. Each bidder must acknowledge receipt of this addendum in the noted space below and on the signature page of the Bid Form Page 61. Include a copy of this addendum with your Bid Proposal Package. It is the Contractor's responsibility to notify its sub-contractors about changes based all addendums.

ACCEPTANCE OF NOTICE

Receipt of the ADDENDUM No. 2 is hereby acknowledged by

Company Name

Date

By: _____
Print Name & Title

Signature

PUBLIC WORKS DEPARTMENT

FIFTH AND GRANT AVENUE WATER MAINS IMPROVEMENTS PROJECT

BID PROPOSAL WITH SUPPORTING DOCUMENTS

PROPOSAL BID FORM

TO THE PUBLIC WORKS DIRECTOR/CITY ENGINEER OF THE CITY OF CALEXICO:

The undersigned hereby declares that he has carefully examined the location of the proposed work that he has examined the plans and specifications and read the accompanying instructions to bidders and hereby proposes to furnish all material except owner furnished materials, and do all work required to complete the said work in accordance with said plans and specifications and special provisions for the unit prices set forth in the following schedule. The bidder shall furnish prices for all items shown in the proposal.

MOBILIZATION

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
1	1	LS	Mobilization of equipment and material, Performance Bond, Payment Bond, General Liability Insurance, Workman's Compensation Insurance, Construction water, freight, project signs, Air pollution control district requirements and fees, Restroom Facilities, Vehicle Insurance, Taxes, Permits, City of Calexico Business license, and Similar expenses and other costs not specifically addressed within this bid item list.	\$ 75,000	\$ 75,000

Mobilization: Sub-Total Bid: 75,000

Mobilization: Sub-Total Bid Price Written in words: seventy five
Thousand dollars

5th STREET WATER MAIN IMPROVEMENTS PHASE 1

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
2	1	LS	Implementation of Traffic Control Plans and Construction Area Signs	\$ 7500	\$ 7500
3	1	LS	Potholing of the Existing Underground Utilities and Pipelines as indicated on Improvement Plans.	\$ 15,840	\$ 15,840
4	1	LS	Implementation of Erosion Control Plan and Installation Maintenance, and Removal of BMPs per Improvement Plans. Preparation and Implementation of Dust Control Plan and APCD permit.	\$ 5,000	\$ 5,000
5	1	LS	Construction Staking per Specifications	\$ 19,000	\$ 19,000
6	2,180	LF	Sawcut the Existing A.C. Pavement for the Full Depth of A.C. Pavement per Demolition Keynote 1.	\$ 3.50	\$ 7630
7	675	SY	Remove and Dispose of Existing A.C. Pavement And Underlying Material per Demolition Keynote 1.	\$ 13.25	\$ 8943.75
8	4,150	SF	Cold Plane The Existing A.C. Pavement for a Thickness of 0.12 foot per Demolition Keynote 2.	\$ 3.34	\$ 13,944
9	75	LF	Sawcut Existing P.C.C. Concrete Curb and Gutter, Sidewalk, or Driveway for the Full Depth of Concrete per Demolition Keynote 3	\$ 10.06	\$ 750
10	300	SF	Remove and Dispose of Existing P.C.C. Concrete and Underlying Material per Demolition Keynote 3.	\$ 6.35	\$ 1905
11	1,100	LF	Furnish and Install New 24-inch Dia. AWWA C-905 DR 18 - Pressure Class 235 PVC Water Pipeline, Including Native Material Backfill and Compaction.	\$ 150.00	\$ 165,000
12	150	TON	Install A.C. Pavement Per Construction Keynote No. 3.	\$ 392.00	\$ 58,800
13	170	CY	Install Class II Base Per Construction Keynote No. 3.	\$ 110.00	\$ 18,700
14	620	CY	Install Granular Sand Backfill Within Pipe Trench per Construction Keynote 1.	\$ 55.00	\$ 34,100
15	3	EA	Furnish and Install New Blow-Off Assembly.	\$ 4450	\$ 13,350
16	2	EA	Install Utility Crossing per Detail "F" on Sheet 9. Include Pipe Bends and Appurtenances	\$ 18,313	\$ 36,626
17	1	EA	Furnish and Install 24-Inch Dia. Blind Flange "End Cap"	\$ 3031	\$ 3031

18	120	SF	Install Concrete Cross Gutter, Class II Base and Subgrade Preparation.	\$ 25.00	\$ 3000
19	30	LF	Install Concrete Curb and Gutter, Class II Base and Subgrade Preparation.	\$ 35.00	\$ 1050
20	150	SF	Install Concrete Sidewalks, Class II Base and Subgrade Preparation.	\$ 9.50	\$ 1425
21	1	LS	Remove and Re-install Existing Chain-link Fence including Concrete.	\$ 1250	\$ 1250
22	2	EA	Install New 18-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with 316 Stainless Steel Hardware	\$ 3471	\$ 6942
23	10	LF	Furnish and Install New 18-inch Dia. AWWA C-905 DR 21 - Pressure Class 200 PVC Water Pipeline.	\$ 95.00	\$ 950.00
24	1	EA	Furnish and Install New 24-Inch Dia. MJ x MJ Ductile Iron Epoxy-Coated 90-Degree Elbow.	\$ 3410	\$ 3410
25	1	EA	Furnish and Install New 18-Inch Dia. MJ x MJ Ductile Iron Epoxy-Coated 90-Degree Elbow.	\$ 2622	\$ 2622
26	2	EA	Furnish and Install New 24-Dia. FL x MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 27,290	\$ 54,580
27	1	EA	Furnish and Install New 24-Inch x 24-Inch x 18-Inch Dia. FL x MJ x MJ Epoxy-Coated Ductile Iron Tee.	\$ 7787	\$ 7787
28	1	EA	Furnish and Install New 8-Inch Dia. MJ x MJ Ductile Iron Epoxy-Coated 22.5-Degree Elbow.	\$ 1125	\$ 1125
29	1	EA	Furnish and Install New 12-Dia. FL x MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 3625	\$ 3625
30	1	EA	Furnish and Install New 12-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$ 1375	\$ 1375
31	1	EA	Furnish and Install New 24-Inch Dia. MJ x MJ Ductile Iron Epoxy-Coated 22.5-Degree Elbow.	\$ 3100	\$ 3100
32	3	EA	Furnish and Install New 24-Inch Dia. MJ x MJ Ductile Iron Epoxy-Coated 45-Degree Elbow.	\$ 3350	\$ 10,050
33	10	LF	Install New 12-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline.	\$ 99.20	\$ 992.00
34	1	EA	Furnish and Install New 8-inch x 6-inch MJ x MJ Ductile Iron Epoxy-Coated Reducer, Restrained Joint Fitting.	\$ 1060	\$ 1060
35	1	EA	Furnish and Install New Fire Hydrant Assembly Including gate Valve and Valve Can	\$ 9577	\$ 9577

36	1	EA	Furnish and Install New 8-Dia. FL x MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 3055	\$ 3055 ^{JAC}
37	1	EA	Furnish and Install New 24-Inch x 24-Inch x 16-Inch Dia. MJ x MJ x FL Epoxy-Coated Ductile Iron Tee.	\$ 5628	\$ 5628 ^{JAC}
38	1	EA	Furnish and Install New 16-Dia. FL x MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 10,925	\$ 10,925
39	1	EA	Furnish and Install New 16-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$ 3613	\$ 3,613
40	14	LF	Furnish and Install New 16-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline.	\$ 60.00	\$ 840
41	1	EA	Furnish and Install New 12-inch x 6-inch FL x MJ Ductile Iron Epoxy-Coated Reducer, Restrained Joint Fitting.	\$ 1205	\$ 1205
42	362	LF	Furnish and Install New 8-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline.	\$ 38.00	\$ 13,756
43	1	EA	Furnish and Install New 6-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$ 950	\$ 950
44	2	EA	Furnish and Install New 6-Inch Dia. MJ x MJ Ductile Iron Epoxy-Coated 90-Degree Elbow and Thrust Blocks	\$ 1,301	\$ 1,301
45	1	EA	Furnish and Install New 24-Inch x 24-Inch x 12-Inch x 12-Inch Dia. MJ x MJ x MJ x FL Epoxy-Coated Ductile Iron Cross.	\$ 9,158	\$ 9,158
46	2	EA	Relocate Existing Fire Hydrant and Install New Water Line and Gate Valve	\$ 8,650	\$ 8,650
47	2	EA	Relocate Existing Water Meter and Install New Water Service Line	\$ 3,630	\$ 7,260
48	4	EA	Furnish and Install Air Release Valves	\$ 4,965	\$ 19,860
49	1	EA	Furnish and Install New 24-Inch x 24-Inch x 8-Inch Dia. MJ x MJ x FL Epoxy-Coated Ductile Iron Tee.	\$ 4,800	\$ 4,800
50	1	EA	Furnish and Install New 24-inch x 18-inch MJ x MJ Ductile Iron Epoxy-Coated Reducer, Restrained Joint Fitting.	\$ 3,808	\$ 3,808
51	1	EA	Furnish and Install New 6-Dia. FL x MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 1,985	\$ 1,985
52	3	EA	Install New Blow-Off Assembly per Construction Keynote 4.	\$ 3,388	\$ 10,164

53	16	LF	Install New 6-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water, Including Native Material Backfill and Compaction	\$ 48.00	\$ 768
54	1	LS	Contractor to Complete Hydrostatic Pressure Testing per Specifications.	\$ 8,500	\$ 8,500
55	1	LS	Contractor to Complete Disinfection of the New Pipeline per Specifications	\$ 9,875	\$ 9,875

5TH Street Water Main Improvements Phase 1: Sub-Total Bid: 650,140.75

5TH Street Water Main Improvements Phase 1: Sub-Total Bid Price Written in words: Six hundred fifty thousand one hundred forty dollars and seventy five cents

GRANT AVENUE WATER MAIN IMPROVEMENTS

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
56	1	LS	Implementation of Traffic Control Plans and Construction Area Signs	\$ 10,500	\$ 10,500
57	1	LS	Potholing of the Existing Underground Utilities and Pipelines as indicated on Improvement Plans.	\$ 12,000	\$ 12,000
58	1	LS	Implementation of Erosion Control Plan and Installation Maintenance, and Removal of BMPs per Improvement Plans. Preparation and Implementation of Dust Control Plan and APCD permit.	\$ 4,500	\$ 4,500
59	1	LS	Construction Staking per the Specifications.	\$ 8,750	\$ 8,750
60	2,100	LF	Sawcut the Existing A.C. Pavement for the Full Depth of A.C. Pavement per Demolition Keynote 1.	\$ 0	\$ 0
61	320	SY	Remove and Dispose of Existing A.C. Pavement And Underlying Material per Demolition Keynote 1.	\$ 2.50	\$ 5,250
62	4,200	SF	Cold Plane The Existing A.C. Pavement for a Thickness of 0.12 foot per Demolition Keynote 2.	\$ 14.06	\$ 4,480
63	60	LF	Sawcut Existing P.C.C. Concrete Curb and Gutter, Sidewalk, or Driveway for the Full Depth of Concrete per Demolition Keynote 3	\$ 10.06	\$ 600
64	1,440	SF	Remove and Dispose of Existing P.C.C. Concrete and Underlying Material per Demolition Keynote 3.	\$ 2.50	\$ 3600
65	920	LF	Install New 12-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water Pipeline per Construction Keynote 1, Including Native Material Backfill and Compaction	\$ 75.00	\$ 69,000
66	96	TON	Install A.C. Pavement per Construction Keynote No. 2	\$ 560	\$ 53,760
67	80	CY	Install Class II Base per Construction Keynote No.2.	\$ 118	\$ 9,440
68	180	CY	Install Granular Sand Backfill Within Pipe Trench per Construction Keynote 1.	\$ 84.00	\$ 15,120
69	2	EA	Install New Blow-Off Assembly per Construction Keynote 4.	\$ 3,930	\$ 7,860
70	2	EA	Install New 12-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with 316 Stainless Steel Hardware	\$ 1,375	\$ 2,750

71	4	EA	Install New 12-Inch Dia. MJ x MJ Ductile Iron Epoxy-Coated 45-Degree Elbow, Including Thrust Block.	\$ 1,475	\$ 5,900
72	1	EA	Install New 12-Inch x 12-Inch x 12-Inch Dia. MJ x MJ x FL Epoxy-Coated Ductile Iron Tee, Including Thrust Block.	\$ 3,256	\$ 3,256
73	1	EA	Install New 12-Dia. FL x MJ Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 4,225	\$ 4,225
74	6	EA	Cut Existing Water Service Lines and Connect to New Water Main Line.	\$ 895	\$ 5,370
75	2	EA	Install New 6-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware.	\$ 1,050	\$ 2,100
76	4	EA	Install New 6-Inch Dia. MJ x MJ Ductile Iron Epoxy-Coated 45-Degree Elbow, Including Thrust Block.	\$ 750	\$ 3,000
77	1	EA	Install New 12-Inch x 12-Inch x 6-Inch x 6-Inch Dia. MJ x MJ x MJ x MJ Epoxy-Coated Ductile Iron Cross, Including Thrust Block.	\$ 2,995	\$ 2,995
78	90	LF	Install New 6-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water, Including Native Material Backfill and Compaction	\$ 25.00	\$ 2,250
79	4	EA	Cut Existing Water Fire Line and Connect to New Water Main Line.	\$ 4,522	\$ 18,088
80	1	LS	Contractor to Complete Hydrostatic Pressure Testing per Specifications.	\$ 4,500	\$ 4,500
81	1	LS	Contractor to Complete Disinfection of the New Pipeline per Specifications	\$ 3,500	\$ 3,500
82	950	SF	Install New Concrete Driveway, Class II Base and Subgrade Preparation	\$ 18.50	\$ 17,575
83	320	SF	Install Concrete Sidewalks, Class II Base and Subgrade Preparation.	\$ 9.50	\$ 3,040
84	1	EA	Install New 12-inch x 4-inch FL x MJ Ductile Iron Epoxy-Coated Reducer, Restrained Joint Fitting.	\$ 1,278	\$ 1,278
85	60	LF	Install New 4-inch Dia. AWWA C-900 DR 18 - Pressure Class 235 PVC Water, Including Native Material Backfill and Compaction	\$ 25.00	\$ 1,500
86	2	EA	Install New 4-Inch Dia. MJ x MJ Ductile Iron Epoxy-Coated 45-Degree Elbow, Including Thrust Block.	\$ 715	\$ 1,430
87	1	EA	Install New 4-Inch Dia. Epoxy-Coated Ductile Iron Transition Coupling Adapter with Stainless Steel Hardware	\$ 650	\$ 650
88	1	EA	Furnish and Install Air Release Valves	\$ 4621	\$ 4621

89	2	EA	Contractor to Adjust the Existing Water Valve Riser to Finish Grade	\$ 450	\$ 900
----	---	----	---	--------	--------

Grant Avenue Water Main Improvements: Sub-Total Bid: 293,788.00

Grant Avenue Water Main Improvements: Sub-Total Bid Price Written in words: Two hundred ninety Three Thousand seven hundred eighty eight dollars

ELECTROMAGNETIC FLOW SENSOR AND METER VAULT

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
90	28	LF	Furnish and Install New 36 Inch Diameter Steel Water Transmission Bypass Pipe, Schedule 10, 0.312-Inch Wall Thickness. Include Welded Connections and Interior and Exterior Coating Include Polyethylene Pipe Wrap.	\$ 600	\$ 16,800
91	2	EA	Furnish and Install 36" x 36" x 36" Flanged Tee for Water Pipe Bypass	\$ 19,250	\$ 38,500
92	2	EA	Furnish and Install 90 Degree Flanged Bends for Water Pipe Bypass	\$ 19,703	\$ 39,406
93	3	EA	Furnish and Install 36 Inch Diameter Butterfly Valve with Flanged Ends and Buried Services Actuator for Water Pipe Bypass	\$ 37,691	\$ 113,073
94	1	LS	Cut Existing 36 Inch Diameter Steel Pipe and Weld New Flange to Existing Steel Pipe for Water Bypass.	\$ 12,400	\$ 12,400
95	1	EA	Pressure Test and Disinfect Pipe Bypass.	\$ 2500	\$ 2500
96	12	LF	Furnish and Install New 36 Inch Diameter Steel Water Transmission Pipe, Schedule 10, 0.312-Inch Wall Thickness. Include Welded Connections and Interior and Exterior Coating. Include Polyethylene Pipe Wrap.	\$ 600	\$ 7200
97	1	EA	Furnish and Install 36 Inch Krohne Enviromag 2000 Electromagnetic Flow Sensor	\$ 33,650	\$ 33,650
98	2	EA	Construct Concrete Pipe Supports	\$ 1050	\$ 2100

99	1	EA	Furnish and Install 8' x 10' x 9.5' Precast Concrete Meter Vault. Installation to Include 3/4 Inch Rock Base Material and Subgrade Preparation.	\$ 27,870	\$ 27,870
100	1	EA	Furnish and Install Metal Grate Cover for Precast Meter Vault.	\$ 20,000	\$ 20,000
101	1	EA	Furnish and Install Galvanized precast Vault Access Ladder	\$ 500	\$ 500
102	325	CY	Fill and Grade Existing Area with Fill Material from City Treatment Plant (Approximately 325 CY)	\$ 15.00	\$ 4,875
103	1	LS	Electrical. Run Electrical Service to New Meter Vault.	\$ 2,500	\$ 2,500

Electromagnetic Flow Sensor and Meter Vault: Sub-Total Bid: 321,374.00

Electromagnetic Flow Sensor and Meter Vault: Sub-Total Bid Price Written in words: Three hundred Twenty one Thousand Three hundred Seventy four dollars

Grand Total Bid (Mobilization, 5th Street Water Main Improvements, Grant Avenue Water Main Improvements and Electromagnetic Flow Meter): 1,340,302.75

Grand Total Bid (Mobilization, 5th Street Water Main Improvements, Grant Avenue Water Main Improvements and Electromagnetic Flow Meter Price Written in words: one Million Three hundred forty Thousand Three hundred Two dollars + Seventy five Cents

1.00 – The undersigned hereby acknowledges the receipt of the following addendum:

None _____; No. 1 ; No. 2 ; No. 3 _____; No. 4 _____; No. 5 _____

2.00 – The undersign hereby certifies that this proposal/bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation.

3.00 – The undersigned hereby accepts on the behalf of his firm all provisions and requirements of the contract documents, including but not limited to those related to time of completion and liquidated damages.

4.00 – The undersigned hereby certifies that they are authorized representative of the firm on whose behalf this proposal/bid is submitted and that they are acting at the direction and with the required approval of said firm, which is identified as follows:

Name of firm: A+R CONSTRUCTION
Address of firm: 1631 River Drive Brawley Ca 92227
Telephone number: 760 3444653 Fax number: 760 3444146
Contractor's license number: 787760 Type: A
Signed: [Signature] Date: 1-3-18

END OF PROPOSAL/BID FORM

City of Calexico

Engineering and Public Works department

City of Calexico

5th Street and Grant Avenue Water Mains Improvements Project

**ADDENDUM NO. 1
ACCEPTANCE OF NOTICE**

Please acknowledge receipt of this Addendum No. 1 consisting of 20 pages, by signing and returning a copy of this Acceptance of Notice with the **Bid Proposal Package**. Each bidder must acknowledge receipt of this addendum in the noted space below and on the signature page of the Bid Form Page 61. Include a copy of this addendum with your Bid Proposal Package. It is the Contractor's responsibility to notify its sub-contractors about changes based all addendums.

ACCEPTANCE OF NOTICE

Receipt of the ADDENDUM No. 1 is hereby acknowledged by

A&R Construction
Company Name

12-27-17
Date

By: Johnnie Combs Estimator
Print Name & Title

[Signature]
Signature

City of Calexico

Engineering and Public Works department

City of Calexico

5th Street and Grant Avenue Water Mains Improvements Project

**ADDENDUM NO. 2
ACCEPTANCE OF NOTICE**

Please acknowledge receipt of this Addendum No. 2 consisting of 4 pages, by signing and returning a copy of this Acceptance of Notice with the **Bid Proposal Package**. Each bidder must acknowledge receipt of this addendum in the noted space below and on the signature page of the Bid Form Page 61. Include a copy of this addendum with your Bid Proposal Package. It is the Contractor's responsibility to notify its sub-contractors about changes based all addendums.

ACCEPTANCE OF NOTICE

Receipt of the ADDENDUM No. 2 is hereby acknowledged by

A+R Construction
Company Name

12-28-17
Date

By: Johnnie Combs Estimator
Print Name & Title

[Signature]
Signature

BID BOND

KNOW ALL MEN BY THESE PRESENTS:

THAT Terry Robertson, Inc. dba: A&R Construction, hereinafter called Principal, and United Fire & Casualty Company Hereinafter called the Surety, are jointly and severely held and firmly bound unto the CITY OF CALEXICO hereinafter called Owner, in the penal sum of ten percent (10%) of the Bid of Princpal for the Works of 5th Ave. Water Main Improvements, Grant Ave. Water Main Improvements & Electromagnetic Flow Sensor & Water Meter Vault This sum not to exceed Ten Percent of the Total Bid Amount Dollars (10% of Bid) lawful money of the United States of America, for the payment whereof unto Owner, Principal and Surety jointly and severely bind themselves forever firmly by these presents, except said penal sum shall not exceed ten percent (10%) of the amount Bid by Principal for Work which is awarded to Principal by the Owner.

WHEREAS, Principal is herewith submitting a bid for the work entitled "Street Improvement Project Asphalt Rubber Composite Layer Overlay on Designated Streets and La Jolla Palms Subdivision Project No. 2017-400".

NOW, THEREFORE, the condition of this obligation is such that if Principal is awarded a contract for the work, and if Principal within the time specified in the bid enters into, executes and delivers to owner an agreement in the form provided herewith, and if Principal within the time specified in the Bid gives to the owner the performance bond and the payment bond on the forms provided herewith, then this obligation shall be void. If, however, Principal shall fail or refuse to furnish, execute and deliver to owner said agreement in the time stated in the bid or should fail or refuse to furnish Performance Bond and Payment Bond in the time stated in the bid, then Principal and Surety shall forfeit to Owner the penal sum hereof.

AND, IT IS HEREBY DECLARED AND AGREED that Surety shall be liable under this obligation as Principal, and that nothing of any kind of nature whatsoever that will not discharge, Principal shall operate as a release of liability of Surety.

IN WITNESS WHEREOF, we have hereunto set our hands and sealed this 22 day of December 2017.

BY: [Signature]
BY: [Signature]
Robert P. Dole, Attorney-in-Fact

Insurance companies A.M. Best Company identifying number: 000928

END OF BID BOND



UNITED FIRE & CASUALTY COMPANY, CEDAR RAPIDS, IA
 UNITED FIRE & INDEMNITY COMPANY, WEBSTER, TX
 FINANCIAL PACIFIC INSURANCE COMPANY, ROCKLIN, CA
 CERTIFIED COPY OF POWER OF ATTORNEY

Inquiries: Surety Department
 118 Second Ave SE
 Cedar Rapids, IA 52401

(original on file at Home Office of Company - See Certification)

KNOW ALL PERSONS BY THESE PRESENTS, That UNITED FIRE & CASUALTY COMPANY, a corporation duly organized and existing under laws of the State of Iowa; UNITED FIRE & INDEMNITY COMPANY, a corporation duly organized and existing under the laws of the State of Texas; and FINANCIAL PACIFIC INSURANCE COMPANY, a corporation duly organized and existing under the laws of the State of California (herein collectively called the Companies), and having their corporate headquarters in Cedar Rapids, State of Iowa, does make, constitute and appoint ROBERT P. DOLE, JOHN T. DOLE, DANTEL P. DOLE, NICKI EDWARDS, MICHAEL S. DOLE, ADAM P. DOLE, EACH INDIVIDUALLY of BONITA CA

their true and lawful Attorney(s)-in-Fact with power and authority hereby conferred to sign, seal and execute in its behalf all lawful bonds, undertakings and other obligatory instruments of similar nature provided that no single obligation shall exceed \$50,000,000.00 and to bind the Companies thereby as fully and to the same extent as if such instruments were signed by the duly authorized officers of the Companies and all of the acts of said Attorney, pursuant to the authority hereby given and hereby ratified and confirmed.

The Authority hereby granted shall expire the 8th day of October, 2018 unless sooner revoked by UNITED FIRE & CASUALTY COMPANY, UNITED FIRE & INDEMNITY COMPANY, AND FINANCIAL PACIFIC INSURANCE COMPANY.

This Power of Attorney is made and executed pursuant to and by authority of the following bylaw duly adopted on May 15, 2013, by the Boards of Directors of UNITED FIRE & CASUALTY COMPANY, UNITED FIRE & INDEMNITY COMPANY, and FINANCIAL PACIFIC INSURANCE COMPANY.

"Article VI - Surety Bonds and Undertakings"

Section 2, Appointment of Attorney-in-Fact. "The President or any Vice President, or any other officer of the Companies may, from time to time, appoint by written certificates attorneys-in-fact to act in behalf of the Companies in the execution of policies of insurance, bonds, undertakings and other obligatory instruments of like nature. The signature of any officer authorized hereby, and the Corporate seal, may be affixed by facsimile to any power of attorney or special power of attorney or certification of either authorized hereby; such signature and seal, when so used, being adopted by the Companies as the original signature of such officer and the original seal of the Companies, to be valid and binding upon the Companies with the same force and effect as though manually affixed. Such attorneys-in-fact, subject to the limitations set forth in their respective certificates of authority shall have full power to bind the Companies by their signature and execution of any such instruments and to attach the seal of the Companies thereto. The President or any Vice President, the Board of Directors or any other officer of the Companies may at any time revoke all power and authority previously given to any attorney-in-fact.

IN WITNESS WHEREOF, the COMPANIES have each caused these presents to be signed by its vice president and its corporate seal to be hereto affixed this 8th day of October, 2016

UNITED FIRE & CASUALTY COMPANY
 UNITED FIRE & INDEMNITY COMPANY
 FINANCIAL PACIFIC INSURANCE COMPANY

By: *Dennis J. Richmann* Vice President



State of Iowa, County of Linn, ss:

On 8th day of October, 2016, before me personally came Dennis J. Richmann

to me known, who being by me duly sworn, did depose and say, that he resides in Cedar Rapids, State of Iowa; that he is a Vice President of UNITED FIRE & CASUALTY COMPANY, a Vice President of UNITED FIRE & INDEMNITY COMPANY, and a Vice President of FINANCIAL PACIFIC INSURANCE COMPANY the corporations described in and which executed the above instrument; that he knows the seal of said corporations; that the seal affixed to the said instrument is such corporate seal, that it was so affixed pursuant to authority given by the Board of Directors of said corporations and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporations.



Judith A. Davis Notary Public
 My commission expires: 04/23/2018

I, David A. Lange, Secretary of UNITED FIRE & CASUALTY COMPANY and Assistant Secretary of UNITED FIRE & INDEMNITY COMPANY, and Assistant Secretary of FINANCIAL PACIFIC INSURANCE COMPANY, do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Section of the bylaws and resolutions of said Corporations as set forth in said Power of Attorney, with the ORIGINALS ON FILE IN THE HOME OFFICE OF SAID CORPORATIONS, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

In testimony whereof I have hereunto subscribed my name and affixed the corporate seal of the said Corporations this 22 day of December, 2017.



By: *David A. Lange*
 Secretary, UR&C
 Assistant Secretary, UF&I/FPIC

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

County of San Diego

On December 22, 2017 before me, Nicki Edwards, Notary Public,
Date Insert Name of Notary exactly as it appears on the official seal

personally appeared Robert P. Dole

Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal.

Signature

Nicki Edwards
Signature of Notary Public Nicki Edwards



Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of the form to another document.

Description of Attached Document

Title or Type of Document: Bid Bond

Document Date: December 22, 2017 Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: Robert P. Dole

- Individual
 Corporate Officer — Title(s): _____
 Partner Limited General
 Attorney in Fact
 Trustee
 Guardian or Conservator
 Other: _____

RIGHT THUMBPRINT
OF SIGNER

Top of thumb here

Signer is Representing:
United Fire & Casualty Co

Signer's Name: _____

- Individual
 Corporate Officer — Title(s): _____
 Partner Limited General
 Attorney in Fact
 Trustee
 Guardian or Conservator
 Other: _____

RIGHT THUMBPRINT
OF SIGNER

Top of thumb here

Signer is Representing:

BID BOND

KNOW ALL MEN BY THESE PRESENTS:

THAT _____, hereinafter called Principal, and
Hereinafter called the Surety, are jointly and severally held

and firmly bound unto the CITY OF CALEXICO hereinafter called Owner, in the penal sum of
ten percent (10%) of the Bid of Principal for the Works of _____

. This sum not to exceed
_____ Dollars (\$ _____) lawful money of the United States
of America, for the payment whereof unto Owner, Principal and Surety jointly and severally bind
themselves forever firmly by these presents, except said penal sum shall not exceed ten percent
(10%) of the amount Bid by Principal for Work which is awarded to Principal by the Owner.

WHEREAS, Principal is herewith submitting a bid for the work entitled "City of Calexico 5th Street
and Grant Avenue Water Mains Improvements Project".

NOW, THEREFORE, the condition of this obligation is such that if Principal is awarded a contract for
the work, and if Principal within the time specified in the bid enters into, executes and delivers to
owner an agreement in the form provided herewith, and if Principal within the time specified in
the Bid gives to the owner the performance bond and the payment bond on the forms provided
herewith, then this obligation shall be void. If, however, Principal shall fail or refuse to furnish,
execute and deliver to owner said agreement in the time stated in the bid or should fail or refuse
to furnish Performance Bond and Payment Bond in the time stated in the bid, then Principal and
Surety shall forfeit to Owner the penal sum hereof.

AND, IT IS HEREBY DECLARED AND AGREED that Surety shall be liable under this obligation as
Principal, and that nothing of any kind of nature whatsoever that will not discharge, Principal shall
operate as a release of liability of Surety.

IN WITNESS WHEREOF, we have hereunto set our hands and sealed this _____ day of
_____ 2018.

BY: _____

BY: _____

Insurance companies A.M. Best Company identifying number: _____

**END OF BID BOND
PROPOSAL AGREEMENT**

WORKMEN'S COMPENSATION INSURANCE CERTIFICATE

The Contractor shall execute the following form as required by the California Labor Code, Sections 1860 and 1861:

I am aware of the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for Workmen's Compensation or to undertake self-insurance in accordance with the provisions before commencing the performance of the work of this contract.

1-3-18
Date

A+R Construction
Contractor's Name

[Signature]
Contractor's Signature

Estimator
Title

ATTEST:

By [Signature]
Signature

owner
Title

END OF WORKMEN'S COMPENSATION INSURANCE CERTIFICATE

NONCOLLUSION AFFIDAVIT
TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

State of California)
County of Imperial) ss

Johannic Combs, being first duly sworn, deposes and says that he or she is Estimator of A+R Construction the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation, that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; and that all statements contained in the bid are true; and further, that the bidder has not directly, or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Date: 1-3-18

A+R Construction
Contractor's Name

[Signature]
Contractor's Signature

Estimator
Title

END OF NONCOLLUSION AFFIDAVIT

CORPORATE CERTIFICATION
OR
PARTNERSHIP INFORMATION

Name of Corporation or Partnership Terry Robertson Inc; dba A+R Construction

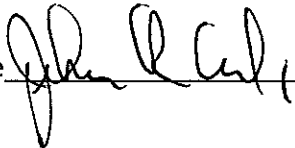
State of Incorporation California

List names and addresses of each partner, or titles, names and business addresses of President, Secretary and Treasurer.

Terry Robertson 1631 River Drive Brawley CA 92227

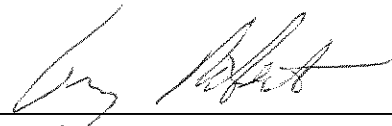
Date 1-3-18

Contractor A+R Construction

Signature 

Title Estimator

ATTEST:


Signature by

owner
Title

END OF CORPORATE CERTIFICATION

Legal Name	Registration Number	County	City	Registration Date	Expiration Date
TERRY ROBERTSON INC DBA A & R CONSTRUCTION	1000007503	IMPERIAL	BRAWLEY	06/26/2017	06/30/2018