

CITY OF TORRANCE, CALIFORNIA

**ADDENDUM NO. 2**  
**Issued: December 9, 2021**

TO

**VAN NESS WATER WELLS TRANSMISSION MAIN, I-145**  
**B2021-51**

Note the following changes and/or additions to the Specifications for the project indicated above. The bidder shall execute the Certification at the end of this addendum, and shall **attach all pages of this addendum to Contract Documents submitted with the Bid**. In addition, the proposer shall complete the "Acknowledgement of Addenda Received" Form provided in Section C of the Specifications.

**A. REFER TO SPECIFICATIONS "SECTION C – BIDDER'S SUBMITTAL".**

The "Bid Schedule" of the Bidder's Submittal is hereby deleted in its entirety and replaced with "Addendum No. 2 Bid Schedule" attached herein. Please note revisions to the following Bid Items: 21, 23, 30, 66, 67, and 68.

**B. REFER TO SPECIFICATIONS "SECTION E – SUBSECTION 7-5.1".**

Subsection 7-5.1, State Encroachment Permit, the second paragraph is amended as follows:

"Full compensation for complying with the above requirements shall be considered as included in the lump sum price for "Permit and Fees". The Contractor shall be solely responsible for any fee charged to re-inspect rejected or incomplete work. Refer to the permit for the double permit fee."

**C. REFER TO SPECIFICATIONS "SECTION E – SUBSECTION 306-2.1".**

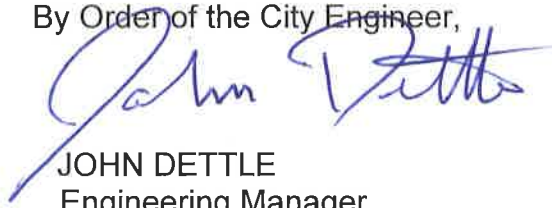
Subsection 306-2.1, General, the following is added to the first paragraph:

"The Contractor shall, prior to and upon completion of jacking operations, establish a survey grid line and provide monitoring as outlined in a monitoring plan to be submitted prior to operations. Subsurface monitoring points shall be utilized to provide early indications of any settlement. Payment for the monitoring plan shall be included in the price for CONSTRUCTION SURVEYING."

**D. REFER TO PLANS "SHEET 30 of 65, NOTE 19".**

Sheet 30 of 65, Delete Note 19, "The Contractor shall be required to replace striping and markings in kind after the completion of each phase of the construction."

By Order of the City Engineer,

A handwritten signature in blue ink, appearing to read "John Dettle", is written over the typed name. The signature is fluid and cursive.

JOHN DETTLE  
Engineering Manager

BIDDER'S CERTIFICATION

I acknowledge receipt of the foregoing Addendum No. 2 and accept all conditions contained therein.

\_\_\_\_\_  
Bidder

\_\_\_\_\_  
By

\_\_\_\_\_  
Date

**\*\*\*\*\* Submit this executed form with the bid \*\*\*\*\***

**Please fill out and submit the  
"Acknowledgement of Addenda Received" form provided in Section C  
of the Specifications.**

**BIDDER'S SUBMITTAL**

Company: \_\_\_\_\_ Total Bid: \_\_\_\_\_

**PROPOSAL, SPECIFICATIONS, BOND AND AFFIDAVIT FOR THE CONSTRUCTION OF  
VAN NESS WATER WELLS TRANSMISSION MAIN, I-145  
B2021-51**

Honorable Mayor and Members  
of the Torrance City Council  
Torrance, California

Members of the Council:

In accordance with the Notice Inviting Bids pertaining to the receiving of sealed proposals by the City Clerk of the City of Torrance for the above titled improvement, the undersigned hereby proposes to furnish all Work to be performed in accordance with the Plans, Specifications, Standard Drawings, and the Contract Documents, for the unit price or lump sum set forth in the following schedule.

**ADDENDUM NO. 2 BID SCHEDULE**

Item #	Est. Qty	Unit	Bid Item Description	SPEC. SECTION	Unit Price	Total Bid
1	1	LS	MOBILIZATION (5% Max. of Total Bid Schedule Cost)	9-3.4	\$	\$
2	1	LS	SURVEY MONUMENTS	2-9.1	\$	\$
3	1	LS	CONSTRUCTION SURVEYING	2-9.2	\$	\$
4	1	LS	FURNISH AND INSTALL TRAFFIC CONTROL MEASURES including: approvals, permits, plans, temporary pavement markers, temporary striping, delineation, delineators, cones, traffic signs, project signs, flashing arrow boards, flaggers, temporary and permanent pavement markings and signs, restoration of striping, steel plating, traffic signal modifications, lights and facility for night work in accordance with the bid documents.	Part 6, 7-10.1,2 7-10.2	\$	\$
5	1	LS	CONSTRUCTION SCHEDULE (distributed monthly over project duration)	6-1, 9-3.4	\$	\$
6	1	LS	PERMITS AND FEES Including Fees for Caltrans, NPDES, and CEQA Mitigation Archaeological and Biological Inspections	7-8.6.3	\$	\$

Item #	Est. Qty	Unit	Bid Item Description	SPEC. SECTION	Unit Price	Total Bid
7	2	EA	PROJECT CONSTRUCTION SIGNS as required by the State Water Resources Control Board	7-15	\$	\$
8	4	EA	PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS), in accordance with plans, specifications and standard drawings.	7-15	\$	\$
9	1	LS	UTILITY LOCATING, Including Potholing and Documenting all pipeline crossings.	5-1	\$	\$
10	1	LS	CLEARING AND GRUBBING including preparation and submission of Recycling Summary.	300-1, 300-1.3.3	\$	\$
11	1	LS	NPDES COMPLIANCE. Prepare and implement SWPPP-WPC Manual 2011, Erosion and Sediment Control Plan (2-5.3) submit NOI, install construction and post construction BMPs, and NOT to meet NPDES Compliance.	7-8.6.3	\$	\$
12	1	LS	EXCAVATION SAFETY Furnish and install excavation safety measures, including adequate sheeting, shoring and bracing or equivalent methods for the protection of life and limb for construction of water mains, storm drains, sewers and appurtenances per section 6707 of California Labor Code	7-10	\$	\$
13	14077	LF	Furnish and install 30-inch outside diameter IPS High Density Polyethylene Water Main Pipe (HDPE), SDR 11, or 24-inch schedule 10 Cement Mortar Lined and Coated (CML&C) steel pipe, or 24-inch DIP, Class 350 pipe, including shop drawings, fittings, thrust blocks, restrained joints, imported backfill per City Std. No. T701, replacing signal control detector loops, AC pavement replacement, restoration of surface features, pressure and disinfection testing, and all appurtenances required for a complete system, in accordance with plans, specifications and standard drawings.	207-6, 207-10 209-5, 306-10	\$	\$

Item #	Est. Qty	Unit	Bid Item Description	SPEC. SECTION	Unit Price	Total Bid
14	4530	LF	Furnish and install 18-inch outside diameter IPS High Density Polyethylene Water Main Pipe (HDPE), SDR 11, or 12-inch schedule 10 Cement Mortar Lined and Coated (CML&C) steel pipe, or 12-inch DIP, Class 350 including shop drawings, fittings, thrust blocks, restrained joints, imported backfill per City Std. No. T701, replacing signal control detector loops, AC pavement replacement, restoration of surface features, pressure and disinfection testing, and all appurtenances required for a complete system, in accordance with the plans, specifications and standard drawings.	207-6, 207-10, 209-5, 306-10	\$	\$
15	1292	LF	Furnish and install 24-inch diameter schedule 10 Cement Mortar Lined and Coated (CML&C) and Cement Mortar Lined and Epoxy Coated steel pipe inside steel casings, including shop drawings, fittings, thrust blocks, restrained joints, imported backfill per City Std. No. T701, replacing signal control detector loops, AC pavement replacement, restoration of surface features, pressure and disinfection testing, and all appurtenances required for a complete system, in accordance with the plans and specifications and standard drawings.	207-10, 306	\$	\$
16	16	LF	Furnish and install 16-inch diameter schedule 10 cement mortar lined and coated steel pipe, including shop drawings, fittings, thrust blocks, restrained joints, imported backfill per City Std. No. T701, replacing signal control detector loops, AC pavement replacement, restoration of surface features, pressure and disinfection testing, and all appurtenances required for a complete system, in accordance with the plans and specifications and standard drawings.	207-10 306	\$	\$
17	696	LF	Furnish and install 32-inch Steel 1/2" Wall Casing Per City of Torrance Std. No. T715, complete in place with water main installed within and in accordance with plans, specifications, permits, standard drawings and all appurtenances required for a complete in place installation, approved and accepted	209-2, 212-3, 306-16,	\$	\$

Item #	Est. Qty	Unit	Bid Item Description	SPEC. SECTION	Unit Price	Total Bid
18	4	EA	Provide Jacking Pits for jacking operation duration including drilling, reaming and installing of steel casing, imported backfill of pit, AC pavement replacement, and restoration of surface features, in accordance with plans, specifications and standard drawings.	306-16	\$	\$
19	4	EA	Provide Receiving Pit for jacking operation duration including drilling, reaming and installing of steel casing, imported backfill of pit, AC pavement replacement, and restoration of surface features, in accordance with plans, specifications and standard drawings.	306-16	\$	\$
20	1	LS	Furnish and install 4-inch Sch. 40 PVC conduit, with Sch. 80 sweeps, and fiber optics cable, including tunneling process, boring/receiving pits, 2'X3'X3' concrete vaults, and replacement of surface features for a complete system, in accordance with the plans, specifications, and standard drawings.	210-1 306-8	\$	\$
21	4	EA	Furnish and Install 24-inch Butterfly Valve for DIP or CML&C Pipe, or 30-inch Butterfly Valve for HDPE Pipe, including operator, valve box assembly per City Std. No. T712, and in accordance with plans, specifications and standard drawings.	215-1.3	\$	\$
22	10	EA	Furnish and install 24-inch Butterfly Valve, including operator, valve box assembly per City Std. No. T712, and in accordance with plans, specifications and standard drawings	215-1.3	\$	\$
23	5	EA	Furnish and install 12-inch Butterfly Valve for DIP or CML&C Pipe, or 18-inch Butterfly Valve for HDPE Pipe, including operator, valve box assembly per City Std. No. T712, and in accordance with plans, specifications and standard drawings	215-1.3	\$	\$
24	1	EA	Furnish and install 12-inch Flanged Gate Valve, including valve box assembly per City Std. No. T712, and in accordance with plans, specifications and standard drawings	215-1.2	\$	\$
25	10	EA	Furnish and install Air and Vacuum Release Valve including piping per City Std. No. T708 in accordance with plans, specifications and standard drawings.	215-1.9	\$	\$

Item #	Est. Qty	Unit	Bid Item Description	SPEC. SECTION	Unit Price	Total Bid
26	15	EA	Furnish and install Blow Off Valve Assembly including piping per City Std. No. T707 in accordance with plans, specifications and standard drawings.	215-3	\$	\$
27	3	EA	Furnish and install 24-inch DI Flanged Tee in accordance with Plans, Specifications and Standard Drawings.	210-1.8, 215, 307-1.3	\$	\$
28	22	EA	Furnish and install 30-inch IPS DR11 HDPE Beveled Flange Adapter with backing ring to connect HDPE pipe to steel pipe, or isolation flange kits to connect DIP to steel pipe, in accordance with Plans, Specifications and Standard Drawings.	207-6, 306-10	\$	\$
29	10	EA	Furnish and install 18-inch IPS DR11 HDPE Beveled Flange Adapter with backer ring to connect HDPE pipe to steel pipe, or isolation flange kits to connect DIP to steel pipe, in accordance with Plans, Specifications and Standard Drawings.	207-6, 306-10	\$	\$
30	270	LF	Remove and dispose 135 LF of Existing Sewer, and Abandon 135 LF of Existing Sewer on 186 <sup>th</sup> Street.	6-1.4	\$	\$
31	2	EA	Remove and dispose of Existing MH on 186 <sup>th</sup> Street.	6-1.4	\$	\$
32	1	EA	Furnish and install Sewer Manhole in accordance with Plans, Specifications and Standard Drawings.	215-9, 210-1.12, 306-1	\$	\$
33	20	LF	Furnish and install 8-inch VCP Sewer with imported backfill in accordance with Plans, Specifications and Standard Drawings	5-2, 306-1.1, 306-9,	\$	\$
34	1	EA	Furnish and install Drop MH in accordance with Plans, Specifications and Standard Drawings.	210-1.12, 215-9, 306-1.2.1	\$	\$
35	1	EA	Plug Sewer Manhole and Rechannel Base in accordance with Plans, Specifications and Standard Drawings.	5-2, 306-1 306-9	\$	\$
36	1	LS	Remove and dispose of Existing AC pathways at SCE Right of Way.	300-1.3	\$	\$
37	4800	SF	Construct Bioswale in accordance with Plans, Specifications and Standard Drawings.	212, 800-1	\$	\$
38	81	LF	Construct 6-inch AC Berm at Bioswale outside SCE R/W in accordance with Plans, Specifications and Standard Drawings.	203	\$	\$
39	1	EA	Raise MH Frame and Cover In SCE right of Way in accordance with Plans, Specifications and Standard Drawings.	302-5.8, 306-1.2	\$	\$



Item #	Est. Qty	Unit	Bid Item Description	SPEC. SECTION	Unit Price	Total Bid
40	1	LS	Replace in kind Barriers at both ends of SCE Right of Way	7-9	\$	\$
41	1740	SF	Construct 6-foot Wide AC Pathway, 4-inch AC over 4" CMB on 90% compacted Subgrade within SCE R/W incl. Redwood Headers	300-1	\$	\$
42	1	LS	Abandon Existing Electrical Conduits at Border Avenue facility	300-1.3, 306-5	\$	\$
43	2	EA	Remove and dispose of Guard Posts at Border Avenue Facility	300-1.3, 306-5	\$	\$
44	1	EA	Remove and dispose of Safety Shower/Eyewash Station at Border avenue Facility	300-1.3, 306-5	\$	\$
45	1	EA	Remove and dispose of Existing Concrete Pad at Border Avenue Facility	300-1.3, 306-5	\$	\$
46	1	LS	Remove and dispose of Existing 16-inch CML&C Steel Pipe at Border Avenue Facility	300-1.3, 306-5	\$	\$
47	1	EA	Remove and dispose of Existing Vault at Border Avenue Facility	300-1.3, 306-5	\$	\$
48	1	EA	Remove and dispose of Existing Galv. Steel Access Hatch at Border Avenue Facility	300-1.3, 306-5	\$	\$
49	1	EA	Remove and dispose of Existing Meter, Spool, and Appurtenances at Border Avenue Facility	300-1.3, 306-5	\$	\$
50	1,820	SF	Sawcut, Remove, dispose of and Replace areas of Damaged AC at Border Avenue Facility	300-1.3, 306-5	\$	\$
51	1	EA	Remove and Dispose Chemical Tank, Exposed Related Piping & Accessories, and Slab as Directed at Border Avenue Facility	300-1.3, 306-5	\$	\$
52	1	EA	Install New Catch Basin at Reservoir in accordance with Plans, Specifications and Standard Drawings at Border Avenue Facility	306-1, 306-1.8	\$	\$
53	1	EA	Install Galvanized Grating (Pedestrian) with frame in accordance with Plans, Specifications and Standard Drawings at Border Avenue Facility	306-1.1.1	\$	\$
54	1083	LF	Install 18-inch HP Storm Drain Pipe with imported backfill and restoration of surface features in accordance with Plans, Specifications and Standard Drawings.	207-26, 306-1	\$	\$

Item #	Est. Qty	Unit	Bid Item Description	SPEC. SECTION	Unit Price	Total Bid
55	7	EA	Install Storm Drain Manhole per SPPWC Std. Plan 320, 321, 322 or 324 and City of Torrance Standards	306-1.2	\$	\$
56	1	EA	New Concrete Pad at Reservoir at Border Avenue Facility	303	\$	\$
57	40	LF	Reconstruct Curb and Gutter per Standard Plans for Public Works Construction No. 120 A2 and Torrance Standard Plan T115 at Border Avenue Facility	300-1.3, 303-5.5, 303-5.9	\$	\$
58	1	EA	Reconstruct Driveway Approach at Border Avenue Facility	300-1.3, 303-5.5.5	\$	\$
59	1	EA	Reconstruct ADA Sidewalk Ramp at Border Avenue Facility	303-5.5.5 6-1.4	\$	\$
60	100	CY	Testing and Disposal of Contaminated Soils	Section F	\$	\$
61	1	EA	Relocate existing 6-inch Torrance water main with (N) 90 & 45 degree fittings, one (N) valve and thrust blocks to clear new pipe construction at Sheet 9 STA 17+20 and as directed by Engineer	207-10.2	\$	\$
62	3	EA	Relocate existing 8-inch Torrance water main with (N) 90 & 45 degree fittings, one new valve and thrust blocks to clear new construction at Sheet 9 STA 16+60, Sheet 27 STA 25+69 & STA 25+87 and as directed by Engineer and as directed by Engineer	207-10.2	\$	\$
63	1	EA	Relocate existing 12-inch Torrance water main with (N) 90 & 45 degree fittings, one new valve and thrust blocks to clear new construction at Sheet 10 STA 36+92 and as directed by Engineer	207-10.2	\$	\$
64	1	LS	Adjust Encountered Manhole and Utility Access Covers to Finish Grade per Standard Plan 205	302-5.8	\$	\$
65	100	CY	Unclassified Excavation	300-2.2.1	\$95.00	\$9,500.00
66	100	CY	Trench Backfill Slurry (CLSM) (Class 100-E-1000), as directed by Engineer, complete.	303, 306	\$115.00	\$11,500.00
67	100	CY	Additional Backfill for any over-excavation, as directed by Engineer, to replace unsuitable material, including excavation, import, and compaction, complete.	2-6, 207-26.7, 300-2.2.1, 306-1.2	\$85.00	\$8,500.00
68	200	CY	Crushed rock, as directed by Engineer, to replace unsuitable trench bottom material, including excavation, import, haul, and compaction, complete.	306-1.1.7	\$85.00	\$17,000.00

Item #	Est. Qty	Unit	Bid Item Description	SPEC. SECTION	Unit Price	Total Bid
69	1	LS	Restoration of Painted Pavement Markings and Curb Markings, in accordance with plans, specifications and standard drawings	214, 314	\$	\$
70	1	LS	Restoration of Permanent Thermoplastic Striping, Thermoplastic Pavement Markings and Markers	210-1.6.2	\$	\$
71	48,600	SF	Slurry seal roadway STA 80+80 to STA 121+30 in accordance with plans, specifications and standard drawings	203-5	\$	\$
72	44,400	SF	Slurry seal roadway station 128+00 to 165+00 in accordance with plans, specifications and standard drawings.	203-5	\$	\$

TOTAL BID PRICE \$ \_\_\_\_\_  
(Figures)\*

TOTAL BID PRICE: \_\_\_\_\_  
(Words)\*

**\*BID MAY BE REJECTED IF TOTAL IS NOT SHOWN IN FIGURES AND WORDS.**