

ADDENDUM NO. 2
PIPELINE AVE AND OTHER ROADS
WORK ORDER: H14974
AREA: Chino and Montclair
ROAD NO.: 232050 020-030 & 660850 030-040-050-060
BIDS OPEN 10:00 AM, THURSDAY, OCTOBER 03, 2024

By Email via ePro System

The bid opening will be publicly viewable via goto.com, details are available in the Notice to Bidders pages of the Project Special Provisions.

Amend the Plan Set as follows:

Delete Plan Set Sheets 27 thru 38 and replace with **ATTACHMENT A** "Addendum No. 2 Plan Set Sheets 27 thru 38"

Amend the Project Special Provisions as follows:

1. DIVISION II GENERAL CONSTRUCTION

- a. Under Section **10-1.16 REMOVE ASPHALT CONCRETE DIKE**, add to the paragraph that begins "The contract price paid per linear foot for....." in Addendum No. 1 With:

"The payment for the existing asphalt concrete dikes within the driveway area, is excluded in this section except for the dikes in the approach and the wings of the driveways." (Refer to **ATTACHMENT B – AC Dikes and Driveways**)

- b. Under Section **10-1.17 REMOVE ASPHALT CONCRETE SURFACING**,

- i) **Delete** sixth paragraph that begins "Remove asphalt concrete dike shall".

Add to end of last paragraph "No additional compensation shall be paid for the removal of the asphalt concrete dikes within the driveway area where the asphalt concrete dike form part of the driveway." (Refer to **ATTACHMENT B**)

- c. Under Section **10-1.19 REMOVE TRAFFIC STRIPES AND PAVEMENT MARKINGS**, after the first paragraph, add the following:

Removal of existing traffic stripes and pavement markings shall be by mechanical means in conformance with SCAQMD Rule 1140. Painting over or "blacking out" shall not be accepted. The Contractor shall obtain approval from the Engineer on the final method of removal prior to performing the work.

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d. Under Section **10-1.30 ASPHALT CONCRETE (DIKE AND MISCELLANEOUS AREAS)**,

- i) **Add** the following paragraph after 6th paragraph: "Certain asphalt concrete driveways have edge of pavement having nothing to match, join, or abut to an existing structural element of any kind (asphalt concrete or concrete); redwood headers should be utilized to ensure that the edges of the finished driveway would be straight and rigid. The moment these headers are removed after the asphalt concrete is completely compacted & have been cured, the aforementioned edges shall be backfilled, wetted, & compacted immediately. The cost for the redwood header materials, labor (installation and removal), equipment, tools, and all other cost associated therewith shall be as included in the amount paid for at the contract price per ton of **Asphalt Concrete (Type A, 3/8" Aggregate Gradation, PG70-10)** in Section 10-1.33 ASPHALT CONCRETE (RAP Optional)."

e. Under Section **10-1.35 ASPHALT RUBBER BINDER SEAL COAT**, delete the following:

THE ASPHALT RUBBER BINDER PRODUCTION SITE MUST BE AT THE JOB SITE, AT A DISTANCE OF WITHIN THREE MILES.
THIS REQUIREMENT ALSO APPLIES TO ANY ASPHALT-RUBBER BINDER REHEAT CYCLES, UNLESS OTHERWISE APPROVED BY THE COUNTY.

f. After Section **10-1.58 COORDINATION**, add the two following sections:

10-1. 59 REMOVE THERMOPLASTIC TRAFFIC STRIPES AND PAVEMENT MARKINGS

This work shall consist of the removal and disposal of existing or temporary thermoplastic traffic stripes, pavement markings, pavement markers, etc., in preparation for either the application of temporary delineation for public traffic or the application of permanent delineation as specified in the contract documents, and shall conform to the provisions of Section 84-9, "Existing Markings," of the Standard Specifications and these Special Provisions.

Removal and disposal of thermoplastic traffic stripes and pavement markings shall conform to the provisions of section 14-11.12 "Removal of Yellow Traffic Stripe and Pavement Marking with Hazardous Waste Residue."

Removal of existing thermoplastic traffic stripes and pavement markings shall be by mechanical means in conformance with SCAQMD Rule 1140. Painting over or "blacking out" shall not be accepted. The Contractor shall obtain approval from the Engineer on the final method of removal prior to performing the work.

The method of removal of thermoplastic traffic stripes and pavement markings shall result in complete removal to the extent that changing light conditions and/or wet pavement conditions shall not produce an image of the removed device. The Contractor shall extend grinding or sandblasting, beyond the edges of the stripes or markings being removed, sufficiently to eliminate such imaging. The Contractor has the option of applying a bituminous "fog seal" to supplement removal efforts in order to eliminate "ghost" images. Additional work necessary to achieve the aforesaid effectiveness of removal shall be considered as compensated by the prices paid (in accordance with the applicable provisions for measurement and payment) for **Remove Thermoplastic Pavement Markings** and no additional payment will be made therefor. Units of measure for payment for removal of thermoplastic stripes and pavement markings shall be based on the physical dimensions of the device being removed, prior to removal. Removal of

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temporary traffic delineation shall conform to the procedural provisions of this section, Section 12-6, "Temporary Pavement Delineation," and Section 15, "Existing Facilities," of the Standard Specifications.

Where blast cleaning is used for the removal of thermoplastic traffic stripes and pavement markings or for removal of objectionable material, and such removal operation is being performed within 10 feet of a lane occupied by public traffic, the residue including dust shall be removed immediately after contact between the sand and the surface being treated. Such removal shall be by vacuum attachment operating concurrently with the blast cleaning operation.

Nothing in these Special Provisions shall relieve the Contractor from his responsibilities as provided in Section 7-1.04, "Public Safety," of the Standard Specifications.

The adjustment provisions in Section 4-1.05, "Changes and Extra Work," of the Standard Specifications shall not apply to the item of Remove Traffic Stripes and Pavement Markings.

The contract price paid in square feet for **Remove Thermoplastic Pavement Markings** shall include furnishing labor, materials, tools, equipment and incidentals, and for doing all work necessary to remove and dispose of thermoplastic existing pavement delineation material, as shown on the plans, as necessary to adapt temporary delineation to remaining existing, and as specified in the Standard Specifications and these Special Provisions. Costs to remove temporary delineation in conjunction with changes in traffic patterns necessary to complete the specified construction shall be considered as included in the various contract items related to such work, and no additional payment will be made under **Remove Traffic Striping and Remove Pavement Markings**.

10-1.60 THERMOPLASTIC TRAFFIC STRIPES & PAVEMENT MARKINGS

Materials and application for thermoplastic traffic stripes (traffic lines) and pavement markings within City of Chino, City of Montclair, and in County areas as shown on the plans shall conform to the provisions of thermoplastic in Section 84-2, "Traffic Stripes and Pavement Markings," and Section 84-2.03C(2), "Thermoplastic Traffic Stripes and Pavement Markings," of the Standard Specifications and these Special Provisions.

Glass beads used in striping shall be Modified AASHTO or equivalent.

Glass beads used in pavement markings shall be Visibead or equivalent.

Thermoplastic traffic stripes and pavement markings shall be white or yellow to match the color of the existing markings as shown on plans and/or as determined by the Engineer.

Thermoplastic traffic stripes and pavement markings shall be painted at locations shown on the plans and/or as determined by the Engineer.

The contract prices paid per linear foot for **Thermoplastic 6" Double Yellow Traffic Stripe** and per square foot for **Thermoplastic Pavement Marking** shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in applying thermoplastic traffic stripes and pavement markings, complete in place, including establishing alignment for stripes and layout work, as shown on the plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer.

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- g. Under Section **10-2.01 SIGNALS AND LIGHTING (2018 CALTRANS STANDARD SPECIFICATIONS)** and under **10-2.01.01 Description**, after “4. Riverside Drive at Pipeline Avenue” add the following:

5. Pipeline Avenue and Philadelphia Street

- h. Under Section **10-2.01 SIGNALS AND LIGHTING (2018 CALTRANS STANDARD SPECIFICATIONS)** and under **10-2.01.02 Contractor Supplied Materials**, replace the first paragraph with:

The Contractor shall provide all materials, including but not limited to: conduits, pull boxes, all wiring and conductors, Type “E” and “F” loop detectors and lead-in cables (Type B), Video detection system, signal cables, foundations, anchor bolts, Type B push button assembly, Polara iNS2 with R10-3e (5”x7”) Audible push button assembly, Pedestrian signal heads, and related hardware, pedestrian push button R10-3 (9”x12”) signs and mounting brackets, pedestrian push button post (5’ – 7”), and any other hardware necessary for the traffic signal and safety lighting installation.

- i. Under Section **10-2.01 SIGNALS AND LIGHTING (2018 CALTRANS STANDARD SPECIFICATIONS)** and under **10-2.01.07 Pedestrian Push Buttons**, add the following:

Accessible Pedestrian Signal (APS) push button assemblies and related hardware shall be Polara iNS2 iNavigator 2 wire audible push button system with R10-3e sign 5”x7.75” sign plaque. Provide iN-WPC iNavigator/iCCU-S2 INTelligent Central Control Unit and iN2-ICB Interconnect Board for ICCU-S & iCCU-S2.

- j. Under Section **10-2.01 SIGNALS AND LIGHTING (2018 CALTRANS STANDARD SPECIFICATIONS)** and under **10-2.01.08 Detectors**, delete everything after the first paragraph and replace with the following:

The Type “E”, and “F” loop detectors shall be installed per 2018 Caltrans Standard Plans ES-5A and RSP ES-5B.

No more than 4 loop conductors shall be connected to a detector amplifier channel.

Loop wire shall be Type 2.

Loop detector lead-in cable shall be Type B.

For both Type E and F loops, the sides of the slots shall be vertical and the minimum radius of the slot entering and leaving the circular part of the loop shall be 1-5/8”.

Loops shall be filled with hot melt rubberized asphalt sealant.

The Contractor shall test each loop circuit for continuity, circuit resistance, and insulation resistance at the controller cabinet location.

Contact County and City Inspector for approval of traffic loop layout prior to installation.

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- k. Under Section **10-2.01 SIGNALS AND LIGHTING (2018 CALTRANS STANDARD SPECIFICATIONS)** and under **10-2.01.12 Operational Testing**, replace the last paragraph with:

The Contractor shall notify Resident Engineer to make arrangements to be tested by County subcontractor (Bear Electric).

- l. Under Section **10-2.01 SIGNALS AND LIGHTING (2018 CALTRANS STANDARD SPECIFICATIONS)**, delete all of section **10-2.01.13 Video Detection System** and **10-2.01.14 Payment**, and replace all with:

10-2.01.13 Pedestrian Signal Faces

Pedestrian signals shall conform to the provisions in Section 86-1.02S, "Pedestrian Signal Faces," of the 2018 Caltrans Standard Specifications and current revisions, and these Special Provisions.

Pedestrian heads shall have light emitting diode (LED) pedestrian modules.

All pedestrian signals shall be the countdown type.

10-2.01.13 Video Detection System

Video vehicle detection system shall conform to these Special Provisions. The CONTRACTOR shall install County furnished video detection system per the manufacture's specifications. Video detection system will be by Autoscope Vision or as approved by the County of San Bernardino - Traffic Division.

The video and power cables to be used between the camera and the controller cabinet shall be per the manufacturer's specifications. The manufacturer's instructions must be followed to ensure proper connection.

The video cable shall be installed in a continuous run with no splices. This is to prevent moisture from seeping into connections made in conduit and to help ensure ground isolation.

The CONTRACTOR shall, at no cost to the County, arrange with the equipment manufacturer to have a factory certified representative present at the time the equipment is turned on to ensure proper equipment setup so that the equipment warranty is fully valid once the County accepts the projects and component maintenance. The CONTRACTOR is recommended to make these arrangements with the manufacturer at least two weeks in advance of the expected turn on date. A factory certified representative from the supplier shall be on-site during installation.

10-2.01.15 Payment

The contract lump sum price for "**Signals and Lighting**" (pedestrian pushbutton assemblies, accessible pedestrian signal pushbutton system, pedestrian pushbutton post, pedestrian signal heads, conduits foundations, relocation of conduits, signal cables, pull boxes, signal equipment, video detection system) shall include full compensation for furnishing all labor, materials, testing, tools, equipment and incidentals, and for doing all the work involved in constructing the traffic signals, complete in place, as shown on the plans or as directed by the Engineer.

The contract lump sum price for "**Inductive Loop Detector**" shall include full compensation for furnishing all labor, materials, testing, tools, equipment and incidentals, and for doing all the work involved in constructing the traffic signals, complete in place, as shown on the plans or as directed by the Engineer.

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Amend the PINK PAGES as follows:

1. **Delete Section 101 Federal Prevailing Wages** “General Decision Number: CA20240026 05/24/2024” and **Replace with: ATTACHMENT C Section 101 Federal Prevailing Wages** “General Decision Number: CA20240026 09/20/2024”.

Amend the GREEN PAGES as follows:

1. **Delete the “Asphalt Concrete Dike Standard 117 (Modified)” attachment and replace with ATTACHMENT D - Revised Addendum No. 2 Asphalt Concrete Dike Standard 117 (Modified)**

Amend the Proposal Pages as follows:

1. **Delete Revised Proposal Pages P-4 thru P-6 from Addendum No. 1 and replace with attached ATTACHMENT E - Revised Addendum 2 Proposal Pages P-4 thru P-6**

Question and Answers:

1. **See ATTACHMENT F for answers to questions asked during the bid.**

Make the following information available for bidders:

Attachments:

ATTACHMENT A: Addendum No. 2 Plan Set Sheets 27 thru 38

ATTACHMENT B: AC Dikes and Driveways

ATTACHMENT C: Section 101 Federal Prevailing Wages “General Decision Number: CA20240026 09/20/2024”

ATTACHMENT D: Revised Addendum No. 2 Asphalt Concrete Dike Standard 117 (Modified)

ATTACHMENT E: Revised Proposal Pages Addendum No. 2 P-4 thru P-6

ATTACHMENT F: Questions and Answers

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The addition of these requirements shall be considered in concert with existing documents in preparation of bids. **THE BIDDER'S CERTIFICATION FOR THIS ADDENDUM NO. 2 SHALL BE SIGNED BY THE SAME PERSON WHO SIGNS THE PROPOSAL AND SHALL BE SUBMITTED WITH THE PROPOSAL. ANY proposal not accompanied by a signed BIDDER'S CERTIFICATION (below) acknowledging receipt of this Addendum No. 2 will NOT be accepted.**

NOEL CASTILLO, Director
Department of Public Works

By: 
Andy Silao, P.E., Chief
Contracts Division
AS:mb

BIDDER'S CERTIFICATION:

By my signature hereunder, I acknowledge receipt of Addendum No. 2 and I fully understand the intent and detail of Addendum No. 2, which I have considered in my preparation of the attached proposal.

Bidder's Signature

Date

Note: The page containing the executed BIDDER'S CERTIFICATION (just this page), must be included with the proposal.