

ADDENDUM NO. 2

**Lone Pine Canyon Road
WORK ORDER: H14276
AREA: Wrightwood
ROAD NO.: 504150 020**

BIDS OPEN 10:00 AM, THURSDAY, MAY 7, 2020

By Email via ePro System

Amend the Special Provisions as follows:

- 1. Extend the deadline for questions to Noon on Friday, May 1, 2020. as referenced on page NB-4**
- 2. Replace 10-1.25 "CHAIN LINK FENCE" with the following:**

10-1.25 CHAIN LINK FENCE

Chain link fence shall be Type CL-10 and shall conform to the provisions in Section 80-3, "Chain Link Fences," of the Standard Specifications. See revised plans (Sheet No. 3 of 8), and Revised Standard Plan RSP A85 (modified) for details.

The shape of all line, end, latch and corner posts, top rail and braces shall be round. Top rail shall be provided.

The exact location for constructing fences and gates shall be determined by the Engineer. Full compensation for furnishing and installing chain link fence, supporting arms, cores on existing concrete wall to accommodate the fence posts, non-shrink grout, and other appurtenances shall be considered as included in the contract price per linear foot paid for **Chain Link Fence (Type CL-10)** and no additional compensation will be allowed therefor.

- 3. Replace the following tables in section 5-1.36C(1):**

AGENCY CONTACTS

<u>AGENCY</u>	<u>CONTACT</u>	<u>ADDRESS / PHONE / CELL</u>
Frontier Communications	Todd Wiseman Todd.Wiseman@ftr.com	762 W. Kettering Street Lancaster, CA 93534 (661) 948-4803
Golden State Water Company	Benjamin Jimenez Ben.jimenez@gswater.com	401 S. San Dimas Canyon Road San Dimas, CA 91773 (909) 305-5427 / (310) 413-5518
Southern California Edison	Grace Soto Graciela.soto@sce.com	12353 Hesperia Road Victorville, CA 92395 (760) 951-3275 / (760) 900-4597 Emergency: (800) 611-1911
Southern California Gas	Jared Fowler JFowler@socalgas.com	1981 W. Lugonia Avenue Redlands, CA 92374-9796 (909) 335-7871 Emergency: (800) 427-2200
Spectrum	<u>Edgar Loza</u> Edgar.loza@charter.com	12858 Production Place, Ste 1 Victorville, CA 92395 (760) 596-4374 / (951) 634-1558
Ultimate Internet Access, Inc.	John Burke-Zuber jbz@uia.net	3633 Inland Empire Blvd, Ste 890 Ontario, CA 91764 (760) 662-0437

UTILITY RELOCATIONS

<u>AGENCY</u>	<u>APPROXIMATE LOCATION</u>	<u>DETAILS</u>
Any Agency	<ul style="list-style-type: none"> Throughout Project 	<ul style="list-style-type: none"> If necessary, Contractor shall provide 2 working day window, per agency, during construction for unforeseen conflicts requiring relocation. Any unused days may be used by another agency, if necessary.
Golden State Water Company	<ul style="list-style-type: none"> Lone Pine Canyon Road - 8" PVC & ACP waterline approximately 25' south of centerline 	<ul style="list-style-type: none"> Contractor to notify Golden State Water 2 weeks prior to construction. Golden State Water will construct a temporary 8" PVC by-pass waterline approximately 197' north of centerline of Lone Pine Canyon Road prior to construction. Contractor to protect in place. Golden State Water will remove and dispose of existing 8" PVC and AC pipe in Lone Pine Cyn Rd. Golden State Water will construct new waterline in Lone Pine Cyn Rd. Golden State water will schedule all temporary shut off Contractor to provide Golden State Water a 10 working day window during construction for permanent waterline construction on Lone Pine Canyon Road Golden State Water will remove temporary 8" PVC line. Contractor to adjust valve cans to final grade, if adjustable.
Southern California Gas	<ul style="list-style-type: none"> Lone Pine Canyon Road - 4" gas line crossing Sheep Creek, approximately 15' to 21' south of centerline. 	<ul style="list-style-type: none"> Contractor to notify Southern California Gas 2 weeks prior to construction Southern California Gas will install a temporary 4" plastic by-pass gas line prior to construction approximately 202' north of centerline of Lone Pine Canyon Road. Contractor to protect in place. Southern California Gas will schedule shut off and remove existing gas line Southern California Gas will construct new permanent gas line north of centerline Contractor to provide Southern California Gas with a 10 working day window for gas line construction in Lone Pine Cyn Rd. Southern California Gas will reconnect new line to existing and place into operation. Southern California gas will remove temporary gas line. Contractor to adjust valve cans to final grade, if adjustable
Ultimate Internet Access	<ul style="list-style-type: none"> Lone Pine Cyn Rd – cabinet and bollards on the north side at Access Road #2. 	<ul style="list-style-type: none"> Contractor to grade pad adjacent to Access Road #2 (shown on UIA Relocation Plan) prior to UIA relocating cabinet and bollards. Contractor to provide 10 working day window for UIA to relocate cabinet and bollards.
Southern California Edison	<ul style="list-style-type: none"> Lone Pine Cyn Rd – Pole #110329E located on Access Road #1 	<ul style="list-style-type: none"> Contractor to provide a 5 working day window for SCE to relocate.

Frontier Communications	<ul style="list-style-type: none"> Lone Pine Cyn Rd – Cable on Pole #110329E located on Access Road #1 	<ul style="list-style-type: none"> Contractor to provide a 2 working day window for Frontier to transfer cable to new pole and remove old pole.
Spectrum	<ul style="list-style-type: none"> Lone Pine Cyn Rd – Cable on Pole #110329E located on Access Road #1 	<ul style="list-style-type: none"> Contractor to provide a 2 working day window for Spectrum to transfer cable to new pole and remove old pole.

UTILITY PROTECTION

<u>AGENCY</u>	<u>APPROXIMATE LOCATION</u>	<u>DETAILS</u>
Frontier Telephone	<ul style="list-style-type: none"> Lone Pine Canyon Road- Overhead lines on poles north of centerline 	<ul style="list-style-type: none"> Contractor to locate and protect in place
Golden State Water Company Water	<ul style="list-style-type: none"> Lone Pine Canyon Road - 8" PVC and AC pipe approximately 25' south of centerline Temporary by-pass waterline - temporary 6" PVC waterline approximately 197' north of centerline of Lone Pine Canyon Road. Lone Pine Canyon Road – new 8" DIP waterline, 5' south of centerline, to be constructed by Golden State Water during construction 10-day window. 	<ul style="list-style-type: none"> Contractor to locate and protect in place Contractor to adjust valve cans to final grade, if adjustable.
Southern California Edison Power	<ul style="list-style-type: none"> Lone Pine Canyon Road – Overhead lines south of centerline crossing Sheep Creek 	<ul style="list-style-type: none"> Contractor to locate and protect in place
Southern California Gas Gas	<ul style="list-style-type: none"> Lone Pine Canyon Road- 4" gas line crossing Sheep Creek approximately 15' jogging to 24' south of centerline. Valve cans and service meters at several locations. Temporary gas line - temporary 6" PVC gas line approximately 202' north of centerline of Lone Pine Canyon Road. Lone Pine Canyon Road – new 6" steel main, north of centerline, to be constructed by Gas Company during 10-day construction window. 	<ul style="list-style-type: none"> Contractor to locate and protect in place Contractor to adjust valve cans to final grade, if adjustable
Spectrum CATV	<ul style="list-style-type: none"> Lone Pine Canyon Road - Overhead lines north of centerline crossing Sheep Creek 	<ul style="list-style-type: none"> Contractor to locate and protect in place
Ultimate Internet Access	<ul style="list-style-type: none"> Lone Pine Canyon Rd – Overhead cable, north of centerline, crossing Sheep Creek. Lone Pine Canyon Rd – Buried cable and cabinet at Access Road #2. 	<ul style="list-style-type: none"> Contractor to locate and protect in place.

4. Replace Section 10-1.20 “CONCRETE STRUCTURES” with the following:

10-1.20 CONCRETE STRUCTURES

Concrete structures shall conform to the provisions in Section 51, “Concrete Structures,” and of the Standard Specifications and these Special Provisions. Concrete shall conform to the applicable provisions in Section 90, “Concrete” of the Standard Specifications and these Special Provisions.

Concrete structures include a **pre-cast bridge unit, pre-cast wingwalls, pre-cast wingwall anchor (Type D), pre-cast headwalls, invert slab, apron slab, cut-off wall, bridge unit footing and stepped wingwall footing and incidentals** as shown on the plans and as described in these Special Provisions.

Concrete for **over side drain** shall be constructed of **Minor Concrete** as shown in Section 90-1.02, of the Standard Specifications.

Concrete for **invert slab, apron and invert cut-off walls** shall be constructed of **Class 1 Concrete** having a combined aggregate grading of 1-1/2-inch max. as shown in Section 90-1.02, "Combined Aggregate Gradings" of the Standard Specifications.

Concrete for **Arched Culvert Stepped Footing, Wingwall footing and Wingwall cut-off walls** shall be considered as **Class 2 Concrete** having a combined aggregate grading of 1-inch maximum as shown in the Standard Specifications.

The configuration shown on the plans and these special provisions for various concrete items are designed to work with the proposed Pre-cast Arch Culvert System show. Should the **CONTRACTOR** choose to use an alternative arch culvert configuration, the Contractor shall submit detailed drawings of the configuration it proposes to employ. The design drawings shall be stamped and signed by a civil or structural Engineer licensed in the State of California. Drawings and configuration shall be subject to approval by the Engineer.

The wingwalls shall be constructed in accordance with 2015 Caltrans Std. Plan B3-1A or approved equal. The layout of the wingwalls and stepped footing shall be in general conformity with 2015 Caltrans Std. Plan D84. Applicable details as shown on 2015 Caltrans B3-5 shall be used, including drainage and pervious backfill as shown on 2015 Caltrans B0-3, Detail 3-1.

Attention is directed to section, "Concrete Arch Culvert" for separate payment for Pre-cast Bridge Unit, Pre-cast Wingwall, Pre-Cast Wingwall Anchor (Type D), Pre-cast Headwall and Pre-cast Headwall Counter Fort.

Attention is also directed to section, "Concreted-Rock Slope Protection" for separate payment for Concreted Rock Slope Protection (1/4-Ton Class, Method B Placement); Concreted Cut- Off Walls (1/4 Ton Class, Method A Placement); and Concreted Apron (4-Ton class, Method A Placement)

Provide certificate of compliance and notice of material per Caltrans standard specifications for any precast work.

In the mountain and desert areas where freezing/thawing are seasonal, the concrete shall be air-entrained as provided in Section 90-1.02E(3), "Air-Entraining Admixtures," of the Standard Specifications. The air content after mixing and prior to placing shall be no more than 5.5 percent and no less than 4.0 percent.

The contract prices paid in cubic yard for the various types and classes of concrete shall include full compensation for furnishing all labor, materials, including steel reinforcements and joints, grouts, tools, equipment, and incidentals for doing all work involved in constructing the concrete work, complete in place, shall be considered as included in the items of work for which the work is incidental to and no additional compensation will be allowed therefor.

Full compensation for constructing the concrete footings, invert slab, apron and cut-off walls including associated excavation and backfill materials, compaction, import or export of material as required, and including alternative design engineering costs, if applicable, shall be considered as included in full compensation for constructing concrete footings, invert slab, apron and cut-off walls including the steel bar reinforcement shall be paid for concrete structures.

5. Replace the San Bernardino County Flood Control District Permit with the attached revised permit
6. Replace RSP A85 with the attached RSP A85 (modified)
7. Replace Bid Sheet P-3 with the attached revised sheet.

Amend the Project Drawings as follows:

1. Add Plan Sheet 9.
2. Replace Plan Sheets 3-8, CT1

Provide the Attached Cross Sections for Lone Pine Canyon road, Sheep Creek, and Access Roads 1-4.

Provide Answers to the attached list of bidder's questions.

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.**

BRENDON BIGGS, Interim 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.

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CONTRACTOR Q AND A:		
#	QUESTION	COUNTY RESPONSE
1	A pre-bid meeting is listed as non-mandatory, but considering the Covid 19 outbreak and the County's current closure to the public, I respectfully request an alternate remote meeting platform is considered.	The posting on epro has been updated to match the listing in the actual bid documents. The non-mandatory pre-bid meeting will be held on-site in open air with ample room for social distancing. The primary purpose of the pre-bid is to ensure adequate access to bidders to review the site conditions. Any flyers handed out onsite along with the sign-in sheet will be posted within one week of the meeting, and any discussions on site will be unofficial until asked and answered thru epro.
2	Will the list of companies who have acknowledged download of these plans be available?	The list of bidders acknowledging download of the plans (plan holders list) will be provided as an addendum thru Epro along with the pre-bid sign-in sheet within one week of the pre-bid meeting.
3	Plan Sheet CT1 references a Ninyo & Moore foundation report and supplemental letter, and page SP-79 of the Special Provisions mentions a Geotechnical Report and Supplemental Geotechnical Recommendations letter found elsewhere in these Special Provisions. Where are those items located in the SPs?	The geotechnical report, and supplemental letters have been provided in addendum 1.
4	How much is the engineer's estimate for the project?	The Departments policy is that, we do not provide Engineer's Estimates.
5	Please provide the Geotechnical Report referenced in Section 10-1.14 of the bid specifications.	The geotechnical report, and supplemental letters have been provided in addendum 1.
6	Detail 1 on Sheet CT4 indicates a Detail 1A on Sheet CT5 that does not exist. A mechanical connection between the precast arch and the foundation is shown on Sheet CT4. Is that a project condition or a detail specific to the Contech arch design?	Detail 1a is located on sheet CT4, which is provided with addendum 1. This detail is specific to the design provided, alternative designs would have to address the channel slope as appropriate.
7	Please provide the structure calculations for the precast arch structure, headwalls, wingwalls and foundations so an equivalent design can be provided	Structural calculations have been provided in addendum 1.
8	The Arch culvert foundation plan (Sheet CT3) references a Detail on Sheet CT4A that is not included in the project documents. Please provide this plan or step detail for the footing.	CT4A is provided in addendum 1.
9	Where is the vegetation control (.5' thk) to be paid?	The vegetation control is included under the payment for Metal Beam Guardrail, see Section 10-1.33.
10	Are the access roads to receive Aggregate Base?	No, access roads are to be graded native material.
11	Please review and confirm the section of the slope in front of the Wingwalls from Sta. 12+20 to 12+41.88. Is this section to be concrete or RSP?	At Sta. 12+20 to 12+41.88 (and similar for the outlet section) the invert slab is to extend to the retaining wing walls, then backfilled to the appropriate contours and covered with concreted rock slope protection, following the details and appropriate profile of the adjacent rock slope protection
12	Please provide details for the 1' concrete apron on the upstream side of the bridge.	The apron is 1 ft. thick with trapezoidal dimensions of 95.40 ft. (base) x 48 ft. (base) and 22 ft. (height) per Sheet 4. For reinforcement, use details on Sheet CT4, Detail 1/CT4 and Section C/CT3.
13	There are existing power poles shown on the plans that appear to interfere with Access Roads #1 and #2. Are the poles and the power lines on both sides of the street to be relocated prior to construction?	It is anticipated that all conflicting utilities will be relocated as shown in the special provisions.
14	The stations shown on the "Typical Channel Section" on plan sheet 3 of 8 do not match the limits of the rock slope protection shown on plan sheet 4 of 8. Please clarify which information is correct.	A revised sheet 3 has been provided Addendum 2
15	There appears to be significant discrepancies in the bid quantities for items #19 and #20.	Attached to Addendum #2 is a revised bid sheet.
16	Please provide clarification of the limits of earthwork paid under bid item #12, "Channel Excavation" and the earthwork paid under bid item #17, "Construct Arch Culvert"?	<ul style="list-style-type: none"> •Channel Excavation: Any earthwork excavated from the finished grade to where it daylight between the edges of the access roads or hinge point facing the channel. •Roadway Excavation: Any earthwork excavated outside channel excavation. Earthwork along Lone Pine Canyon Road includes outside the boundary for the channel excavation. •Construct Arch Culvert: All earthwork involving excavation for its culvert footings, wingwalls, cut-off walls including structural excavation, backfill, structural backfill and any excavation or earthwork outside pay items for Concrete Structures classified as Class 1 and 2 are paid under Section 10-1.19 "Construct and Install 48' span by 13'-1 3/8" clear rise x 96' long Pre-cast Arch Culvert, Headwall, Headwall Counter fort, Wingwall and Wingwall Anchor (Type D)."
17	Our takeoffs indicate a substantial amount less for Items 19-23. Please review.	Attached to Addendum #2 is a revised bid sheet.
18	Please consider the attached precast arch option as a substitute to the precast arch shown on the plans.	Alternate designs will be subject to a submittal and approval process during construction, similar to a lump-sum design build option, subject to the requirements and criteria provided in the specifications, plans, and applicable design codes.

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15	There appears to be significant discrepancies in the bid quantities for items #19 and #20.	Attached to Addendum #2 is a revised bid sheet.
16	Please provide clarification of the limits of earthwork paid under bid item #12, ?Channel Excavation? and the earthwork paid under bid item #17, ?Construct Arch Culvert?	<ul style="list-style-type: none"> •Channel Excavation: Any earthwork excavated from the finished grade to where it daylight between the edges of the access roads or hinge point facing the channel. •Roadway Excavation: Any earthwork excavated outside channel excavation. Earthwork along Lone Pine Canyon Road includes outside the boundary for the channel excavation. •Construct Arch Culvert: All earthwork involving excavation for its culvert footings, wingwalls, cut-off walls including structural excavation, backfill, structural backfill and any excavation or earthwork outside pay items for Concrete Structures classified as Class 1 and 2 are paid under Section 10-1.19 "Construct and Install 48' span by 13'-1 3/8" clear rise x 96' long Pre-cast Arch Culvert, Headwall, Headwall Counter fort, Wingwall and Wingwall Anchor (Type D)."
17	Our takeoffs indicate a substantial amount less for Items 19-23. Please review.	Attached to Addendum #2 is a revised bid sheet.
21	Please provide log of borings for the project.	The geotechnical report, and supplemental letters have been provided in addendum 1.
22	SP-20/21 provides work windows for utility companies to perform relocations. Is the time that is provided in this section in addition to the 60 working days for the project?	The stated windows are included in the overall number of working days. It is considered that providing a window to the utility does not prevent all work across the jobsite to continue, but only requires that the utility be provided the access and required space to complete their work.
23	SP-63/64 states that the contractor is permitted to close the road for the duration of the project. Additionally, it states that the contractor shall provide two 11-foot paved lanes for use by public traffic overnight or when construction operations are not actively in progress. Please review and clarify the intent of these two statements.	The statement to provide open lanes states that open lanes may be required, at the engineers descretion, after the completion of culvert and road construction. The intention is to allow traffic to pass if the road construction is complete, and minor construction such as finish grading or erosion prevention is being completed away from the roadway.