

Patricia Romo, P.E.  
Director of Transportation

# COUNTY OF RIVERSIDE

## TRANSPORTATION AND LAND MANAGEMENT AGENCY

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### Transportation Department

#### ADDENDUM NUMBER 3

Dated November 27, 2019

to the  
Specifications and Contract Documents  
for the construction of

Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)

**Bids Due:** (Revised)  
**Wednesday, December 11, 2019; 2:00 p.m.**  
14<sup>th</sup> Street Transportation Annex  
3525 14<sup>th</sup> Street; Riverside, CA 92501  
(951) 955-6780

This Addendum is issued pursuant to the Instructions to Bidders, Item No. 8, of the Contract Documents for the reference project. This Addendum is issued as a supplement to the specification and special provisions for the referenced project. The revisions to the specifications shall become a part of the Contract Documents, and each bidder shall acknowledge receipt thereof on the Bid (Proposal). Bidders are directed to sign this addendum as acknowledged, and attach the signed addendum to the contractor's submitted proposal.

Note: During the advertisement period of this project, this document and attachments (if any) are available upon request at the office of the Transportation Department, and are available as a free download at the Transportation Department's website:

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

#### MODIFICATIONS / CLARIFICATIONS TO SPECIAL PROVISIONS:

**Item 1:** The new designated date and time for the receipt and opening of bids is revised as follows:

**Wednesday, December 11, 2019; 2:00 p.m.**  
14<sup>th</sup> Street Transportation Annex  
3525 14<sup>th</sup> Street; Riverside, CA 92501  
(951) 955-6780

**Item 2: Revised Proposal.** Refer to "Proposal" pages B2-B9 issued by addendum No. 2. Delete and replace "Proposal" (page B2-B9) with "Proposal (Revised)" attached herewith as **Attachment "A"**.

**a. The quantities of following bid items have been revised:**

- Item# 35; Temporary High-Visibility Fence
- Item# 68; Mechanically Stabilized Embankment, Location E
- Item# 76; Structural Concrete, Barrier Slab
- Item# 82; Architectural Treatment [Silhouette A]
- Item# 83; Architectural Treatment [Silhouette B]
- Item# 84; Architectural Treatment [Silhouette C]
- Item# 118; Rock Slope Protection (20 lb, Class I, Method B)
- Item# 119; Rock Slope Protection Fabric (Class 8)
- Item# 133; Manhole Frame and Cover
- Item# 134; Miscellaneous Metal (Bridge)
- Item# 145; Remove Roadside Sign
- Item# 147; Relocate Roadside Sign
- Item# 166; Transition Railing (Type WB-31)
- Item# 168; Alternative In-line Terminal System
- Item# 173; 6" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 36-12)
- Item# 175; 6" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)
- Item# 177; 8" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)
- Item# 192; 6" Ductile Iron Pipe Water Line
- Item# 198; 2" Ductile Iron Pipe Watermain

**b. The following bid items have been added:**

- Item# 188a; Architectural Treatment [Silhouette D]
- Item# 188b; Architectural Treatment [Silhouette E]
- Item# 188c; Architectural Treatment [Silhouette F]
- Item# 188d; Architectural Treatment [Silhouette G]
- Item# 188e; Architectural Treatment [Silhouette H]
- Item# 188f; Abandon Manhole
- Item# 188g; Abandon Sewer
- Item# 188h; Remove Sewer Pipe
- Item# 188i; 48" Precast Manhole (Sewer)
- Item# 188j; Structural Concrete, Coping
- Item# 188k; Picket Railing
- Item# 201; 30" Butterfly Valve
- Item# 202; 30" Gate Valve
- Item# 203; 6" Gate Valve
- Item# 204; 12" Gate Valve
- Item# 205; Waterline Reducer (30" to 12")

**c. The following bid items deleted:**

- Item# 167; End Anchor Assembly (Type SFT)

**Item 3: Notice to Property Owners:**

Refer to Section 00-1.15 NOTICE TO PROPERTY OWNERS on page 11 of the special provisions. Delete the first sentence of the paragraph and replace with the following:

Distribute an information letter pertaining to the planned work to all affected residences and businesses within a one-mile radius from the intersection of Highway 111 and Lincoln Street, at least one week prior to commencing work adjacent to those residences and businesses.

**Item 4: Resident Engineer's Office:**

Refer to Section 00-1.21, "RESIDENT ENGINEER'S OFFICE," on page 17 of the special provisions. Delete Sections 00-1.21B "Materials" and 00-1.21C "Construction" and replace with the following:

**00-1.21B Materials**

The Field Office must be a 2,000 square foot (minimum) office facility with required utility hook ups, including electricity, potable water, sewage disposal, 2 telephone lines, multi-line speaker phones, internet service, and air conditioning. The facility must have two restrooms and partitions creating 4 interior rooms. Contractor must obtain all necessary permits, pay monthly rental fees, and obtain all rights of entry necessary.

The Field Office must be provided with a facsimile machine with a separate phone line and a copying machine capable of photocopying 11" x 17" size paper and of making color copies for the exclusive use of the Engineer and the Engineer's staff for the entire duration of the project.

The following be furnished and supplied by Contractor for the duration of the contract:

1. Furnish, service and maintain office. The following office furniture, in new condition, must be furnished, at a minimum:
  - 6 ea. 30" x 60" desks with lockable drawers
  - 6 ea. task swivel chairs
  - 1 ea. conference table to accommodate 12 conference chairs.
  - 12 conference chairs
  - 4 ea. 60"H x 40"W x 16"D book shelf
  - 1 ea. 60" x 36" drafting table and chair
  - 2 ea. lockable file cabinets (4-drawers)
  - 100 ea. 4" 3-Ring Binder
2. Supply utilities for office, including electricity, phone (1-landline), potable water, and high-speed internet service for the duration of the contract, including fees.
3. Supply, service and maintain sanitary facility, including toilet paper, soap, tissues, air fresheners and paper towels.
4. Furnish 2 current model personal computers for the duration of the contract, suitable and capable for office use, internet connected utilizing DSL service, and complete with necessary software including Microsoft Office, latest version. Personal computers may be desktops or laptops, must be new, and as approved. Processors

- must be i7 with a Windows Experience score greater than 6.0 or as approved by the Resident Engineer.
5. At least one Xerox Workcenter 7346 with professional finisher or equivalent multifunction printer capable of printing 11" x 17" at least 40 ppm color, fold, staple, and hole punch as approved. The printer and scanner are to be network capable with all computers. Include internet printing and scanning setup for all County furnished laptops and computers. Furnish all ink, toner, paper and any other required supplies and necessary maintenance for the use of the above equipment by the Engineer for the duration of the contract.
  6. Copying machine (11" x 17") capable of producing color copies.
  7. Furnish all supplies and necessary maintenance for the use of the above equipment by the Engineer for the duration of the contract.
  8. Installation of 4 designated public parking spaces.
  9. Installation of appropriate number of designated parking spaces for the construction manager, inspectors, general Contractors, workers, material suppliers, subcontractors and other support personnel.
  10. Installation of 1 large sized unit commercial trash bin with cover and regularly scheduled pick up.
  11. Field office must have a 24" x 36" sign, white color, affixed near the door. The sign text must read "COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT" and have County seals affixed to it. A computer image file of the County seal will be seals will be supplied by the County.
  12. Remove office from job site at the completion of the project.
  13. Security.
  14. Fire Extinguisher
  15. If office is located on private property, all property rental costs and right of entry.
  16. Furnish a 20 CF refrigerator and one microwave oven.
  17. Water cooler dispenser and bottled water for use with the dispenser.
  18. Bottled water supply (16-20 oz.) for the duration of the project.
  19. One 2TB external hard drive with network capabilities to be property of the County after project for project documentation.
  20. Wireless internet service either through internet service provider or provide wireless router (Asus RT-AC66U or approved equal). Also furnish an additional 4G wireless network card.
  21. Furnish all office supplies including pens, pencils, highlighters, notepads, (6) multi-outlet power strips, post-it note pads, paper clips, binder clips, rubber bands, staplers, folders, paper shredder, (2) 40 sheet capacity 3-hole puncher, (1) heavy duty stapler, (5) trash cans, copier and printer paper.
  22. Four (4) dry erase whiteboard 4' x 6' or larger and dry erase markers.
  23. Coffee machine with regular maintenance and delivery of coffee, creamer, sugar and artificial sweeteners.
  24. 1 each, 55" Smart 1080p HDTV with 50' HDMI Cord, mounted on wall at location directed by the Engineer.

### **00-1.21C Construction**

Contractor must meet with the Engineer prior to construction (and at any other time circumstances warrant), and together, must mutually agree on a location for the field office. Field office location shall be within a 2-mile radius from the intersection of Highway 111 and Lincoln Street. Approval of the proposed Field Office by the Engineer must be obtained before implementation.

The Field Office must be maintained in a clean, neat and sanitary manner at all times. All sanitary paper products required for the restroom must be supplied by Contractor.

#### **Item 5: Railroad Coordination:**

Refer to section 00-1.23 WORKING WITHIN OR ADJACENT TO THE RAILROAD RIGHT OF WAY on page 19 of the special provisions. Add the following paragraphs to this section and made part thereof.

#### **Submittals**

Contractor shall comply with the submittal requirements of the Right of Way Agreement and the BNSF and UPRR Guidelines for Railroad Grade Separation Projects. A copy of the BNSF and UPRR Guidelines for Railroad Grade Separation Projects can be found at:

<http://www.bnsf.com/in-the-community/pdf/uprr-bnsf-joint-guidelines-railroad-grade-separation-projects.pdf>

For all project submittals that require railroad review, Contractor shall increase the minimum review times shown in tables 3-1 and 3-2 of Section 3.5 of BNSF and UPRR Guidelines for Railroad Grade Separation Projects by two (2) weeks.

#### **Item 6: Utility Coordination:**

Refer to Section 5 Control of Work on page 23-24 of the special Provisions and remove the first paragraph and chart shown in Section 5-1.36C(3) of the special provisions and replace with the following:

Installation of the utilities shown in the following table requires coordination with Contractor's activities. Make the necessary arrangements with the utility company through the Engineer and submit a schedule for review by each of the affected utilities. The schedule must be:

1. Verified in writing or other correspondence by a representative of the utility company, allowing at least the time shown for the utility owner to complete its work.

**Utility Relocation and Contractor-Arranged Time for the  
Relocation**

Utility	Plan Sheet	Utility address (1)	Location	Notification Time (2)	Relocation Time (3, 4)	Notes
Imperial Irrigation District – Relocate PP and OH power lines. PP #: T13143-65' T13142-65' T13141-65' T13140-70' T13139-70' 9843-40'	U-1	81-600 Avenue 58 La Quinta, CA 92253	North side of SR-111 from STA 81+00 to 91+00. Except Pole 9843-40 is on the South Side of SR-111	90 days	20 days	To be completed prior to Stage 1A temporary pavement, unless K-Rail or other protection is used.
Cable USA – Relocate Existing OH FO line to new IID PPs: T13143-65' T13142-65' T13141-65' T13140-70' T13139-70'	U-1, U2	PO Box 336 Borrego Springs, CA 92004	North side of SR-111 from STA 81+00 to 95+00.	30 days	10 days	IID must perform relocations prior to Cable USA relocating their FO line on IID Poles. Existing IID poles will be removed once Cable USA is completed with relocations
Imperial Irrigation District – Relocate PP and OH power lines. PP #: 91545-50' 91546-40' 91547-35'	U-2	81-600 Avenue 58 La Quinta, CA 92253	East Side of Lincoln Street	90 days	15 days	IID must perform relocations prior to Lincoln Channel Bridge construction.  Contractor to be aware of proximity of OH powerlines while driving pile at Lincoln Channel Bridge. Contractor to comply with IID and OSHA requirements for pile driving close to OH Powerlines.

Addendum No. 3

Avenue 66 at SR-111 and Union Pacific Railroad Grade Separation Project

Community of Mecca

Project No. B8-0664, Federal Aid No. STPTCIFL-5956(221)

November 27, 2019

Page 7 of 23

Coachella Valley Water District – 12" Irrigation Line	U-2	75-515 Hovley Lane East Palm Desert, CA 92211	Road "A" Line STA 100+50 to 106+00	30 days	Responsibility of Contractor	Relocation by Contractor. A temporary bypass of this line will be required during the settlement period prior to construction of new line.  Contractor to notify CVWD 30 days prior to schedule cut over
Imperial Irrigation District – Relocate PP and OH power lines. PP #: 918034-40' 918033-40'	U-3 & U-8	81-600 Avenue 58 La Quinta, CA 92253	SR-111 from STA 50+00 to 54+00	90 days	20 days	
Kinder Morgan – Relocate 20" Petroleum Line	U-3	709 Beck Avenue Fairfield, CA 94533	UPRR Corridor / Road A STA 109+00 to 110+00	90 days	20 days	Relocation must be complete prior to Construction of Bent 3 Footings.
(Level 3) CenturyLink – Relocate 12" FO Cable	U-3	515 North 44th Street Phoenix, AZ 85008	UPRR Corridor / Road A STA 109+00 to 110+00	60 days	40 days	Relocation must occur prior to Kinder Morgan's relocation of the 20" Petroleum Line at Road A STA 109+00 to 110+00
MCI – Relocate FO Line	U-3	10830 East 45th Street, Suite 405 Tulsa, OK 74146	UPRR Corridor / Road A STA 109+00 to 110+00	60 days	30 days	Relocation must be complete prior to Construction of Bent 3 Footings.

Imperial Irrigation District – Install new Steel Poles along existing alignment and remove existing wood poles at existing location of PP's #: T13129-65' T13128-65' T13127-65' T13126-65'	U-3	81-600 Avenue 58 La Quinta, CA 92253	East side of Hammond Road. / Road A from STA 112+50 to 113+50	120 days	30 days	Relocation must be completed prior to erection of falsework for overcrossing bridge.  Contractor to be aware of proximity of OH powerlines while driving pile at Abutment 6. Contractor to comply with IID and OSHA requirements for pile driving close to OH Powerlines.
Frontier – Relocate Telephone line	U-3	9 South 4th Street Redlans, CA 92374	West side of Hammond Road. / Road A from STA 112+50 to 113+50	30 days	20 days	Relocation must be completed prior to construction of Bent 5 footing.
Coachella Valley Water District – 8" Sewer Line	U-3	75-515 Hovley Lane East Palm Desert, CA 92211	Road "A" Line from STA 113+00 to 116+50	30 days	Responsibility of Contractor	Relocation by Contractor to be complete prior to construction of settlement embankment fill.  Contractor to notify CVWD 30 days prior to schedule cut over
Coachella Valley Water District – 12' Irrigation	U-4	75-515 Hovley Lane East Palm Desert, CA 92211	Road "A" Line from STA 125+00 to 128+00	30 days	Responsibility of Contractor	Relocation by Contractor to be complete prior to construction of Box Culvert 125  Contractor to notify CVWD 30 days prior to schedule cut over
Coachella Valley Water District – Adjust Manhole	U-4	75-515 Hovley Lane East Palm Desert, CA 92211	Road "A" Line 128+10	30 days	5 days	



Addendum No. 3

Avenue 66 at SR-111 and Union Pacific Railroad Grade Separation Project

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Project No. B8-0664, Federal Aid No. STPTCIFL-5956(221)

November 27, 2019

Page 9 of 23

Coachella Valley Water District – Adjust Manhole	U-5	75-515 Hovley Lane East Palm Desert, CA 92211	Road "A" Line 131+00	30 days	5 days	
Frontier – Relocate PP and OH Telephone line	U-7	9 South 4th Street Redlands, CA 92374	Grapefruit Blvd from STA 42+00 to 43+00	30 days	25 days	
Spectrum - Relocate Vault	U-7	84-473 Avenue 45 Indio, CA 92201	Grapefruit Blvd from STA 42+75 to 43+00	30 Days	5 days	
Imperial Irrigation District – Relocate PP and OH power lines. PP #: 1048377-40' 918032-45 1237236-45'	U-7	81-600 Avenue 58 La Quinta, CA 92253	Various locations near the Intersection of Grapefruit and SR-111	90 days	20 days	
Cable USA – Relocate Existing OH FO line to existing/new IID PPs: T13137-80' 1073212-35' 1073213-35' 1048377-40' 918032-45 1237236-45'	U-7	PO Box 336 Borrego Springs, CA 92004	North side of SR-111 from STA 81+00 to 95+00.	30 days	10 days	IID must perform relocations prior to Cable USA relocating their FO line on IID Poles. Existing IID poles will be removed once Cable USA is completed with relocations
Imperial Irrigation District – Install facilities and meter to new service pedestal	E-1	81-600 Avenue 58 La Quinta, CA 92253	Signal and Lighting (Location 1) SR-111 STA 39+10	30 days	20 days	Contractor must finish all conduit, handholes, service cabinet, etc. prior to IID releasing meter for service.
Imperial Irrigation District – Install facilities and meter to new service pedestal	E-3	81-600 Avenue 58 La Quinta, CA 92253	Signal and Lighting (Location 2) Grapefruit STA 44+00	30 days	20 days	Contractor must finish all conduit, handholes, service cabinet, etc. prior to IID releasing meter for service.

Imperial Irrigation District – Install facilities and meter to new service pedestal	E-5	81-600 Avenue 58 La Quinta, CA 92253	Signal and Lighting (Location 3) Road A STA 132+10	30 days	20 days	Contractor must finish all conduit, handholes, service cabinet, etc. prior to IID releasing meter for service.
Imperial Irrigation District – Install facilities and meter to new service pedestal	E-7	81-600 Avenue 58 La Quinta, CA 92253	Bridge Lighting Road A from STA 114+00 to 115+00	30 days	20 days	Contractor must finish all conduit, handholes, service cabinet, etc. prior to IID releasing meter for service.

Notes:

1. Engineer to provide list of contact names, address, phone numbers and email addresses to Contractor at Preconstruction Meeting for coordination during the Project.
2. Notification Time is the number of **Calendar Days** required for the utility to schedule their relocations, procure required materials, notify their customers or any other operation required before field work relocations can begin.
3. Relocation Time is the number of **Working Days** required for the utility to perform all work on site to relocate or install their utility work. Some utilities are required to notify customers after installation of new wire, fiber, or service. This customer notification time is included in "Relocation Days"
4. If a relocation is earlier than the time allotted in the chart, at the request of the Engineer, submit a TIA in accordance with 8-1.02D(8)(b) Department-Owned Float.

**Item 7: Portable Changeable Message Signs:**

The following special provisions are added to Section 12 Temporary Traffic Control on page 27 of the Special Provisions and made part thereof.

**Add to section 12-3.32D Payment:**

The contract unit price paid per each for Portable Changeable Message Sign shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all the work involved in furnishing, placing, operating, maintaining repairing, transporting from location to location and, vandalism and theft, removing portable changeable message signs when not needed, as specified and as shown on the plans and as directed by the Engineer.

**Item 8: Avenue 66 Overhead Falsework Openings:**

Refer to Section 12-4.03C Construction on page 34 of the special provisions, Chart "Avenue 66 Overhead, BR. No. 56C-0616/56-0884 over SR-111" For the Vehicle opening width, delete the 32'-0" dimension and replace with a dimension of 37'-0" as shown below:

**Avenue 66 Overhead**  
**BR. No. 56C-0616/56-0884 over SR-111**

	Number	Width (feet)	Height (feet)
Vehicle openings	1 C	37'-0"	15'-0"
Pedestrian openings	1 L, 1 R	6'-0"	10'-0"
	Location	Spacing <sup>a</sup> (feet)	
Falsework pavement lighting	<u>SR-111</u>	R and L 30 staggered ½ space	

**NOTE:**

R = Right side of traffic

L = Left side of traffic

C = Centered overhead

<sup>a</sup>Spacing is the maximum distance from center to center between fixtures.

**Item 9: ESA Signs:**

Refer to Section 14 Environmental Stewardship on page 45 of the Special Provisions. Following provision added Section 14-1.02 and made part thereof.

The ESA Signs must read "Environmentally Sensitive Area KEEP OUT"

**Item 10: Culvert 125:**

Refer to Section 19 Earthwork and subsection 19-3.03A on page 53 of the Special Provisions. Delete "Culvert 100" and replace with "Culvert 125".

**Item 11: Settlement Period:**

Refer to Section 19 Earthwork and subsection 19-6.03D on page 54 of the Special Provisions. Delete the chart and replace with the chart below:

Bridge name or number	Abutment number	Bent number	Surcharge height (feet)	Settlement period (days) <sup>a</sup>
56C-0616	1 & 6		0.0	120

<sup>a</sup> The Engineer may determine the settlement is achieved prior to the time indicated in the chart shown above. If requested by the Engineer, submit a TIA in accordance with 8-1.02D(8)(b) Department-Owned Float.

**Item 12: Caltrans Test 360**

Refer to Section 39 on Page 72 of the Special Provisions, the following Special Provisions has been deleted.

~~Add to the table in the 1st paragraph of section 39-2.03B(2):~~

Surface abrasion loss (max, g/cm <sup>2</sup> )	California Test 360	0.4
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**Item 13: Hours of Work:**

The following special provisions are added to Section 00 County Miscellaneous and made a part thereof.

**00-1.24 Requesting Work Outside the Working Hours  
and on Legal Holidays**

Refer to Section 21, Hours of Work, of the Instructions to Bidders; and Section 12-4.02A(2), of these Special Provisions for designated hours of work and legal Holidays. The Contractor shall notify the Engineer in writing at least 1 week in advance if any work will be requested to be performed outside the designated working hours and on designated legal holidays.

The Contractor will be responsible for covering the cost of the Engineer premium inspection costs during work performed outside the designated 8-hour work shift and on designated legal holidays, unless otherwise approved in writing by the Engineer. Hourly costs would be based on the number of inspectors and their level of experience needed to monitor the specific activities being constructed outside of the referenced working hours.

Limited exceptions will be permitted for those activities requiring closures that are only allowed during restricted times. Refer to Section 12-4.02A(3), Submittals, for Contractor schedule submittals. Also refer to Sections 12-4.02C(3)(k), 12-4.02C(3)(l), for closure hours charts.

**Item 14: Project Submittals:**

The following special provisions are added to Section 00 County Miscellaneous and made a part thereof.

**00-1.25 PROJECT SUBMITTALS**

**Add to section 5-1.23A General:**

“Days” mean “Working days” for County Review times of Action Submittals and Shop Drawings.

Submittals that require Railroad review and approval will be done in accordance with section 00-1.23 “WORKING WITHIN OR ADJACENT TO THE RAILROAD RIGHT OF WAY”.

**Item 15: Material Source Inspection and Testing:**

The following special provisions are added to Section 00 County Miscellaneous and made a part thereof.

**00-1.26 SOURCE INSPECTION**

The County will be performing Source Inspection for the project in lieu of Caltrans METS. The County's Source Material Representative (SMR) will conduct a training at the beginning of the project with the Contractor to cover the inspection process, roles, and hand over forms for the Contractor's use. The Contractor shall not directly contact Caltrans METS for any inspection.

**Item 16: Embankment Construction:**

The following special provisions are added to Section 19 Earthwork and made a part thereof.

**19-6 EMBANKMENT CONSTRUCTION**

**Add to the second paragraph of section 19-6.01A:**

5. Multiple handling of embankment material shall be considered as included in bid item for Roadway Excavation, and no additional compensation will be allowed.

**Item 17: Groundwater:**

The following special provisions are added to Section 00 County Miscellaneous and made a part thereof.

**00-1.29 GROUNDWATER**

The Contractor shall assume that groundwater may be present for all excavations below 2 FT from OG, unless noted otherwise on the plans or specifications. Handling of groundwater shall be done in accordance with Section 13-4.03G Dewatering of the Standard Specifications. Handling of all groundwater shall be paid under "Job Site Management" and no additional compensation will be allowed therefor.

**Item 18: Select Fill:**

The following special provisions are added to Section 00 County Miscellaneous and made a part thereof.

**00-1.30 SELECT FILL**

For Basins R1, C2 and C3 shown on the plans, Contractor is excavate to the depths shown or to Groundwater level (whichever is achieved first). Contractor is to place select material back in the basins to the finish grades shown on the plans.

Select Material must consist of well-graded sand (SW), poorly-graded sand (SP), or silty sand (SM) which possesses a fines content less than 25% and Plasticity Index less than 7%. Contractor is to sample, test and submit reports to the Engineer of the proposed select material source. Upon compliant test results, the Engineer will sample and test the Select Material at the Contractor's proposed Source Location. Based on the test results, the Engineer will approve or reject the material for use on the project.

**Item 19: Relocate Fence:**

The following special provisions are added to Section 00 County Miscellaneous and made a part hereof:

**00-1.31 RELOCATE FENCE**

For the wrought iron fences near the Boys and Girls Club, shown on Sheet L-3 to be relocated the Contractor shall perform the following:

1. **Removal:** Remove the existing fence from its current location as shown on the plans. Contractor to use caution not to damage the fence panels during removal. Remove the concrete around the posts to expose the existing steel post.
2. **Installation:** Dig post holes to a depth of at least 42 inches and a width of the greater dimension of at least 4 times the width of the existing post or 12 inches. Holes shall be drilled to match the distance between posts of the existing fence. Set fence inline; plumb and square as shown on the plans. Fill the post holes with minor concrete.

**Payment:** All materials (including minor concrete), equipment, and labor to Relocate the existing fence will be paid under "Relocate Fence" and no additional compensation will be allowed therefor.

**Item 20: 77-1 Domestic Water Transmission Main:**

The following special provisions are added and made a part hereof.

**Add to section 77:**

**77-1 DOMESTIC WATER TRANSMISSION MAIN**

**77-1.01 GENERAL**

**77-1.01A Summary**

Section 77-1 includes specifications relating the construction of domestic water transmission main and appurtenances under the jurisdiction of the Coachella Valley Water District (CVWD). Comply with the requirements of this section and the most recent edition of the Coachella Valley Water District "Domestic Water Standard Specifications Technical Conditions" in Appendix H of the CVWD "Development Design Manual," complete with the latest supplements, and the Coachella Valley Water District Approved Materials List.

**Domestic Water Standard Specifications Technical Conditions:**

<https://www.cvwd.org/DocumentCenter/View/1005/Domestic-Water-Standard-Specifications-Technical-Conditions-PDF?bidId=>

**Approved Materials List:**

<https://www.cvwd.org/DocumentCenter/View/959/Approved-List-of-Materials-PDF?bidId=>

Comply with section 70-3 for welded steel pipe watermain.

Comply with section 70-7 for welded steel pipe casing (bridge).

Contact CVWD's Chief Inspector upon receipt of approved drawings to arrange the preconstruction conference. No construction of domestic water systems can begin prior to the preconstruction conference.

All work must be inspected by CVWD. The charges for inspection will be in accordance with CVWD's regulations.

Schedule construction activities daily with the CVWD Inspection Department between 3:30 p.m. and 4:30 p.m. for the following working day. If CVWD is unable to provide an inspector or inspectors, reschedule the work for another time.

If Contractor elects to cancel scheduled work without prior notice to CVWD, Contractor will be charged one hour of inspection time for each day of occurrence. Work performed without inspection will be rejected.

Copies of the compaction test results must be furnished to the inspector prior to pressure testing. Minimum frequency of compaction testing must be as follows: a set of pipe zone and mid trench tests must be conducted over the pipeline every 300 feet and at every third water service, hydrant, detector check, or manifold.

The cover for water distribution pipeline 24 inches in diameter and smaller in residential developments with curb and gutter must be 36 inches. The cover for water distribution pipelines 30 inches and greater and any pipelines located in non-residential areas must be 48 inches. Streets must be brought to subgrade, sewer installed and curb and gutter installed before the pipeline is installed.

Polyethylene encasement must be used for all ferrous pipes, valves and fittings in accordance with ANSI/AWWA C105, unless otherwise specified.

Tar (seal) coat and cement mortar line all ferrous pipes and fittings per ANSI A21.4 (AWWA C104), unless otherwise specified. The cement mortar lining of fittings must be made to a minimum thickness equal to the thickness of the cement mortar lining on the pipe.

All connections to existing facilities will be made by CVWD at the owner's expense. Sixty days notice is required. Start installation at the tie-in connection provided.

The separation between water and sewer facilities must be as specified in CVWD Standard Drawing No. W1.

Pipeline must be kept free of dirt, rocks and foreign materials during construction. Mechanical cleaning may be required at the discretion of the Chief Inspector.

Restrained joints are required under pavers, decorative concrete, and through each entryway to the project. No water pipelines may be installed under curbs or sidewalks. No water service lines or meter boxes may be installed in driveways.

The plans may be subject to review and/or revision by CVWD if construction has not started within 12 months from the date of approval as shown in CVWD approval.

Call Underground Service Alert (USA) at least two working days prior to start of construction and provide the CVWD inspector the USA number prior to excavation.

#### **77-1.01B Submittals**

##### **77-1.01B(1) General**

Submit to CVWD a list of materials to be used prior to the preconstruction conference. Only materials on the approved list may be used. The list must include quantity, manufacturer, model, size, and other pertinent data.

##### **77-1.01B(2) Welded Steel Pipe**

Product data for materials includes catalog cuts, performance data, and installation instructions.

Submit product data for:

1. Pipe and weld material
2. Flexible expansion joints
3. Flange insulating gaskets
4. Casing insulators
5. Pipe supports
6. Epoxy adhesives
7. Concrete cradles and attachment hardware

Submit the maximum range and preset dimension for each flexible expansion joint as an informational submittal.

##### **77-1.01B(3) Waterline Cradles**

Submit shop drawing for the water line cradle. Allow 15 days for the review.

#### **77-1.02 MATERIALS**

##### **77-1.02A Welded Steel Pipe**

##### **77-1.02A(1) Flange Attachments**

Welded steel pipe connections to flexible expansion joints must be a flanged joint complying with ANSI/AWWA C115/A21.15. Flange gaskets must be rated for a working pressure of 350 psi. Fasteners must comply with section 75-1.02, except that stainless steel fasteners must not be used.

##### **77-1.02A(2) Flexible Expansion Joints**

Flexible expansion joints must be a sleeve type expansion joint with integral ball joints at each end.

Flexible expansion joints must have:

1. Ability to withstand at least 15 degree angular deflection at each end and maximum movement in all 3 planes at the same time
2. Ductile iron body complying with ANSI/AWWA C153/A21.53
3. Flanged ends complying with ANSI/AWWA C110/A21.10
4. Fusion bonded epoxy internal lining complying with ANSI/AWWA C213 at least 15 mils thick



5. Internal expansion sleeve limiting stop collars and pressure balanced
6. Ball joints contained in flanged retainers with seal gaskets
7. Working pressure of at least 350 psi.
8. NSF 61 certification

The flexible expansion joint must be factory set at 1/2 the extension capacity.

**77-1.02A(3) Flange Insulating Gaskets**

Flange insulating gaskets must consist of a dielectric flange gasket, insulating washers and sleeves, and commercial quality steel bolts and nuts. Dielectric flange gasket must have a dielectric strength of at least 500 vpm.

**77-1.02A(4) Casing Insulators**

Casing insulators must be:

1. 2-piece, 8-inch, 14-gauge epoxy-coated or galvanized steel band, four 2-inch-wide glass-reinforced polyester or polyethylene runners, with cadmium-plated nuts and bolts.
2. Coated with at least 15-mils heat-fused PVC to provide a nonconductive inner liner.
3. Factory constructed to ensure the water supply line is centered in the casing. Insulators must not allow any pipe to casing contact and have at least 2 runners seated on the bottom of the casing.
4. Sized for the casing and water supply line shown.

**77-1.02A(5) Dirt Stops**

Dirt stops must consist of a redwood cover with polyurethane foam.

Use construction heart grade redwood complying with 57-2.01B(2). Construct cover to fit snugly around the water supply line. The cover must be 2 inches taller and 2 inches wider than the casing.

Polyurethane foam must be expanding foam spray that is water resistant and moisture cured.

**77-1.02B Waterline Cradles**

Concrete must comply with the specifications for minor concrete.  
Welded wire fabric must be commercial quality.

Bolts and nuts must be commercial-quality structural steel.

Epoxy adhesive must be Sikadur 31, Hi-Mod Gel, or approved equal.

Pipe clamp must be commercial-quality structural steel.

**77-1.03 CONSTRUCTION**

**77-1.03A General**

Install flange insulating gaskets on the outside flange of flexible expansion joints and expansion assemblies.

Install polyethylene encasement per Method A.

#### **77-1.03B Test Plates**

All hot taps or connections to active domestic water mains, including construction of stub outs, will be performed by CVWD forces. Connections to existing closed valves or isolated section of pipe are permissible under direct CVWD inspection and approval. During construction and prior to the pressure test, all valves will be equipped with a test plate, which will be provided. Only perform a pressure test on a water line when all valves adjacent to active water lines are protected with a test plate. Remove the test plates after the pressure test has been accepted. If the pressure test is performed with chlorinated water, remove the test plate from all active valves and chlorinated water must remain in the system for a minimum of 24 hours before the system is flushed.

#### **77-1.03C Valve Locks**

Provide a valve-locking device on all valves at CVWD stub-outs or where a valve connects directly to an active line. CVWD forces will install the locking device and return it to Contractor after the new water line has been progressed for service.

#### **77-1.03D Waterline Cradles**

Place pipe and clamps per manufacturer's recommendations.

#### **77-1.04 PAYMENT**

Payment for welded steel pipe, of the types shown, includes payment for all appurtenant facilities, including flexible expansion joints, cradles, hardware, and insulators.

Payment for fire hydrants includes payment for the connection to the main, hydrant, bury (riser), gate valve, break off check valve, valve operating well, hydrant run, thrust device, and appurtenance.

Payment for thrust devices is included in the various items of work requiring the thrust device.

Payment for flushing, disinfecting and testing of mains is included in the various items of work.

Payment of utility markers is included in the various items of work.

### **77-2 SANITARY SEWER**

#### **77-2.01 GENERAL**

##### **77-2.01A Summary**

Section 77-2 includes specifications relating the construction of sanitary sewer under the jurisdiction of the Coachella Valley Water District (CVWD). Comply with the requirements of this section and the most recent edition of the Coachella Valley Water District "Sanitation Standard Specifications for Construction of Sanitary Sewer" in Appendix I of the CVWD "Development Design Manual," complete with the latest supplements, and the Coachella Valley Water District Approved Materials List.

Domestic Water Standard Specifications Technical Conditions:

<https://www.cvwd.org/DocumentCenter/View/4346/Sanitation-Standard-Specifications-for-Construction-of-Sanitary-Sewer>

Approved Materials List:

<https://www.cvwd.org/DocumentCenter/View/959/Approved-List-of-Materials-PDF?bidId=>

Contact CVWD's Chief Inspector upon receipt of approved drawings to arrange the preconstruction conference. No construction of domestic water systems can begin prior to the preconstruction conference.

All work must be inspected by CVWD. The charges for inspection will be in accordance with CVWD's regulations.

Schedule construction activities daily with the CVWD Inspection Department between 3:30 p.m. and 4:30 p.m. for the following working day. If CVWD is unable to provide an inspector or inspectors, reschedule the work for another time.

If Contractor elects to cancel scheduled work without prior notice to CVWD, Contractor will be charged one hour of inspection time for each day of occurrence.

Work performed without inspection will be rejected.

Copies of compaction test results must be furnished to the inspector prior to air testing. Minimum frequency of compaction testing must be as follows: a set of pipe zone and mid-trench tests must be conducted over the sewer main between manhole sections and a set of pipe zone and mid-trench tests must be conducted at every third service lateral and manhole location.

Grade and alignment must be established in a manner approved by cvwd. Cut sheets must be provided to the inspector prior to excavation and include the top of curb elevation at the lateral locations. Sewer main must be installed to within 0.02 foot tolerance of line and grade and no sags greater than ½ inch are acceptable.

All connections to existing facilities will be made by CVWD at the owner's expense. Sixty days notice is required. Start installation at the tie-in connection provided.

The separation between water and sewer facilities must be as specified in CVWD Standard Drawing No. W1.

Pipeline must be kept free of dirt, rocks and foreign materials during construction. Mechanical cleaning may be required at the discretion of the Chief Inspector.

The plans may be subject to review and/or revision by CVWD if construction has not started within 12 months from the date of approval as shown in CVWD approval. Call Underground Service Alert (USA) at least two working days prior to start of construction and provide the CVWD inspector the USA number prior to excavation.

**77-2.01B Submittals**

Submit to CVWD a list of materials to be used prior to the preconstruction conference. Only materials on the approved list may be used. The list must include quantity, manufacturer, model, size, and other pertinent data.

**77-2.02 MATERIALS**

Not Used

**77-2.03 CONSTRUCTION**

Reconstruct existing above ground improvements impacted in order to construct sanitary sewer. Comply with section 15.

**77-2.04 PAYMENT**

Payment for reconstructing existing above ground improvements impacted to construct sanitary sewer is included in the various items of work.

**Item 21: Project Information; Questions and Responses.**

Questions and Responses information list is available as a free download at the following County website:

**<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>**

This (downloadable) file is provided for reference only. For any discrepancy written on the Questions and Responses, the Contractor shall conform to the contract documents.

The Contractor Questions and Responses are included as **Attachment "B"**.

**Item 22: Supplemental Project Information (Cross Sections).**

Cross section sheet 5 and 34 has been revised, and they are available for download at following website within the Supplement Information section for this project.

**<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>**

**Item 23: Supplemental Project Information (Palm Health Assessment Report).**

Palm Health Assessment Report is available for download at following website within the Supplement Information section for this project.

**<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>**

## **MODIFICATIONS / CLARIFICATIONS TO THE PLANS**

### **Item 24: Plan Sheets (Replacement)**

Refer to following plan sheets. These plan sheets are deleted and replaced with revised sheets as noted below: The revised sheets are attached herewith as **Attachment "C"**:

Plan sheets 9, 10, 98, 100, 101, 136, 172, 173, 174, 181, 182, 189, 190, 206, 255, 257, 259, 264, 265, 268, 271, 275, 277, 297, 298, 299, 301, 302, 313, 314, 317, 329, 330.

**Note:** All revised plan sheets are posted on following website and available for download during the advertisement period.

**<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>**

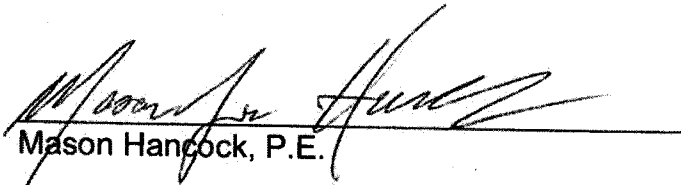
## **ATTACHMENTS**

**A – Revised Proposal**

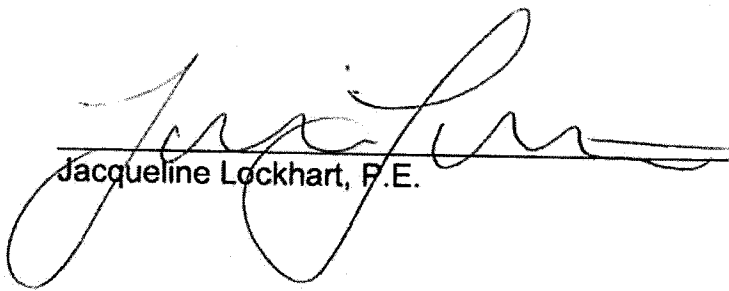
**B – Questions and Responses**

**C – Revised Plans (33 sheets)**

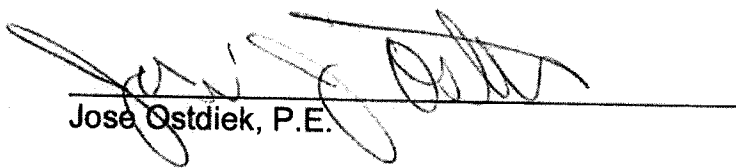
This addendum has been prepared under the direction of the following registered Civil Engineer(s):

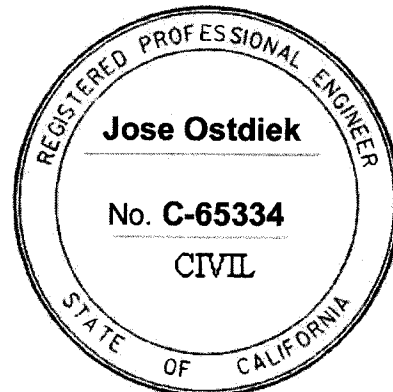
  
Mason Hancock, P.E.



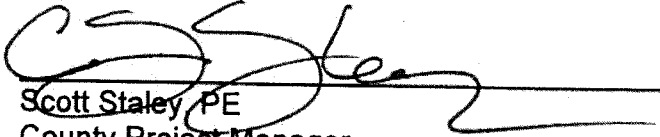
  
Jacqueline Lockhart, P.E.



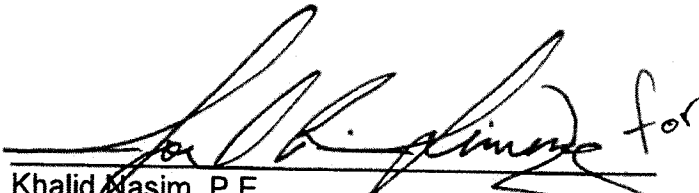
  
Jose Ostdiek, P.E.



**Recommended by:**

  
Scott Staley, PE  
County Project Manager

**Concurrence:**

  
Khalid Masim, P.E.  
Engineering Division Manager

**Acknowledged:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
(Contractor)

JRJ:jj:sb

Note: Refer to Instruction to Bidders Item No. 8, "Addenda". Submission of all addendum pages and non-bidding document attachments of addendum are not necessary for Bid submittal. Submittal of this acknowledgement page is adequate for Bid reception. Bidders are reminded to list addendum number(s) received on the first page of the Bid form (Proposal).

Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – PNRSCML-5956(221)

**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
<b>Base Bid</b>						
1	019902	Course of Construction Insurance	LS	1		
2	066020	Relations with Railroad (Including Flagging)	LS	1		
3	066105	Resident Engineers Office	LS	1		
4	070030	Lead Compliance Plan	LS	1		
5	080050	Progress Schedule (Critical Path Method)	LS	1		
6	100100	Develop Water Supply	LS	1		
7	120090	Construction Area Signs	LS	1		
8	120091A	Retroreflective Sheeting (Type XI) For Construction Area Signs	SQFT	302		
9	120100	Traffic Control System	LS	1		
10	120120	Type III Barricade	EA	48		
11	120149	Temporary Pavement Marking (Paint)	SQFT	330		
12	120159	Temporary Traffic Stripe (Paint)	LF	11,700		
13	120165	Channelizer (Surface Mounted)	EA	450		
14	120198	Plastic Traffic Drums	EA	18		
15	120300	Temporary Pavement Marker	EA	420		
16	124000	Tempoary Pedestrian Access Route	LS	1		
17	128652	Portable Changeable Message Sign	LS	1		
18	129000	Temporary Railing (Type K)	LF	5,080		
19	129110A	Temporary Crash Cushion (ABSORB 350)	EA	19		
20	130100	Job Site Management	LS	1		
21	130300	Prepare Storm Water Pollution Prevention Plan	LS	1		
22	130330	Storm Water Annual Report	EA	2		
23	130505	Move-In/Move-Out (Temporary Erosion Control)	EA	12		
24	130520	Temporary Hydraulic Mulch	SQYD	115,000		
25	130610	Temporary Check Dam	LF	1,310		
26	130620	Temporary Drainage Inlet Protection	EA	52		



PROPOSAL (REVISED)

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
27	130640	Temporary Fiber Roll	LF	17,100		
28	130710	Temporary Construction Entrance	EA	11		
29	130730	Street Sweeping	LS	1		
30	130900	Temporary Concrete Washout	LS	1		
31	131201	Temporary Creek Diversion Systems	LS	1		
32	141103	Remove Yellow Thermoplastic Traffic Stripe (Hazardous Waste)	LF	3,540		
33	141120	Treated Wood Waste	LB	1,890		
34	142000A	Native American Monitoring	LS	1		
35	160110	Temporary High-Visibility Fence	LF	5,465		
36	170103	Clearing and Grubbing	LS	1		
37	170110A	Remove Tree	EA	121		
38	190101(F)	Roadway Excavation	CY	117,000		
39	192003(F)	Structure Excavation (Bridge)	CY	5,299		
40	192020(F)	Structure Excavation (Type D)	CY	580		
41	192025(F)	Structure Excavation (Culvert)	CY	154		
42	193003(F)	Structure Backfill (Bridge)	CY	7,970		
43	193004(F)	Structure Backfill (Culvert)	CY	14		
44	193013(F)	Structure Backfill (Retaining Wall)	CY	526		
45	198010	Imported Borrow	CY	57,900		
46	198050(F)	Embankment	CY	76,000		
47	198215	Subgrade Enhancement Geogrid	SQYD	18,800		
48	206406A	Remove Irrigation Pipe	LF	831		
49	208610A	12" PVC Pipe-C900 (DR25)	LF	850		
50	210300	Hydromulch	SQFT	466,000		
51	210350	Fiber Rolls	LF	17,900		
52	211111	Permanent Erosion Control Establishment Work	LS	1		
53	250201	Class 2 Aggregate Subbase	CY	4,040		
54	260203	Class 2 Aggregate Base	CY	10,300		
55	377501	Slurry Seal	TON	150		
56	390100	Prime Coat	TON	75		

**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
57	390132	Hot Mix Asphalt (Type A)	TON	25,700		
58	390137	Rubberized Hot Mix Asphalt (Gap Graded)	TON	2,540		
59	394076	Place Hot Mix Asphalt Dike (Type E)	LF	810		
60	394090	Place Hot Mix Asphalt (Miscellaneous Areas)	SQYD	40		
61	397005	Tack Coat	TON	120		
62	398200	Cold Plane Asphalt Concrete Pavement	SQYD	2,680		
63	398300	Remove Base and Surfacing	CY	190		
64	477021(F)	Mechanically Stabilized Embankment, Location A	SQFT	5,314		
65	477022(F)	Mechanically Stabilized Embankment, Location B	SQFT	14,462		
66	477023(F)	Mechanically Stabilized Embankment, Location C	SQFT	11,189		
67	477024(F)	Mechanically Stabilized Embankment, Location D	SQFT	5,314		
68	477025(F)	Mechanically Stabilized Embankment, Location E	SQFT	4,673		
69	490538	Furnish Steel Piling (HP 14 x 117)	LF	27,370		
70	490539	Drive Steel Pile (HP 14 x 117)	EA	532		
71	500001	Prestressing Cast-In-Place Concrete	LS	1		
72	510051(F)	Structural Concrete, Bridge Footing	CY	1,557		
73	510053(F)	Structural Concrete, Bridge	CY	5,730		
74	510054(F)	Structural Concrete, Bridge (Polymer Fiber)	CY	2,035		
75	510060(F)	Structural Concrete, Retaining Wall	CY	311		
76	510072(F)	Structural Concrete, Barrier Slab	CY	1,028		
77	510086(F)	Structural Concrete, Approach Slab (Type N)	CY	420.0		
78	510090(F)	Structural Concrete, Box Culvert	CY	127		
79	510094(F)	Structural Concrete, Drainage Inlet	CY	39		
80	510502(F)	Minor Concrete (Minor Structure)	CY	265		
81	510526(F)	Minor Concrete (Backfill)	CY	560		
82	511035	Architectural Treatment [Silhouette A]	EA	2		
83	511035	Architectural Treatment [Silhouette B]	EA	1		
84	511035	Architectural Treatment [Silhouette C]	EA	1		
85	511035A	Recessed Concrete Logo	EA	4		
86	511035A(F)	Berkely Rib Texture	SQFT	5,304		

**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
87		ITEM DELETED BY ADDENDUM				
88	518051(F)	PTFE Spherical Bearing	EA	6		
89	519099	Joint Seal Assembly (MR6")	LF	89		
90	519100	Joint Seal (Type B) (MR 2")	LF	166		
91	519118	Joint Seal Assembly (MR9")	LF	89		
92	520102(F)	Bar Reinforcing Steel (Bridge)	LB	2,015,057		
93	520103(F)	Bar Reinforcing Steel (Retaining Wall)	LB	30,000		
94	520107(F)	Bar Reinforcing Steel (Box Culvert)	LB	45,885		
95	520110(F)	Bar Reinforcing Steel (Epoxy Coated) (Bridge)	LB	12,694		
96	520115(F)	Bar Reinforcing Steel (Galvanized) (Bridge)	LB	8,419		
97	560231A	Mecca Sign Panel	EA	4		
98	568062	Pedestrian Barricade (Type I)	EA	2		
99	582001(F)	Sound Wall (Masonry Block)	SQFT	1,550		
100	582002(F)	Access Gate (Sound Wall)	EA	1		
101	641107	18" Plastic Pipe	LF	1,066		
102	641113	24" Plastic Pipe	LF	158		
103	650026	36" Reinforced Concrete Pipe (Class III)	LF	22		
104	652311	18" Reinforced Concrete Pipe (Class III)	LF	1,276		
105	700617	Drainage Inlet Marker	EA	26		
106	703450	Welded Steel Pipe Casing (Bridge)	LF	174		
107	703450A	18" Welded Steel Pipe (Storm Drain) (Bridge)	LF	216		
108	703451A	Storm Drain Cradle Support	EA	16		
109	703452A	Double Ball Expansion Joint (Storm Drain)	EA	2		
110	703460	24" Welded Steel Pipe Casing [Irrigation]	LF	160		
111	705204	18" Concrete Flared End Section	EA	1		
112	705470A	18" Plastic Flared End Section	EA	6		
113	705471A	24" Plastic Flared End Section	EA	4		
114	710136	Remove Pipe (LF)	LF	911		
115	710150	Remove Inlet	EA	1		
116	721810	Slope Paving (Concrete)	CY	50		

**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
117	723080	Rock Slope Protection (60 lb, Class II, Method B)	CY	6		
118	723095	Rock Slope Protection (20 lb, Class I, Method B)	CY	76		
119	729011	Rock Slope Protection Fabric (Class 8)	SQYD	167		
120	730020	Minor Concrete (Curb)	CY	36		
121	730070	Detectable Warning Surface	SQFT	260		
122	731504	Minor Concrete (Curb and Gutter)	CY	230		
123	731521	Minor Concrete (Sidewalk)	CY	440		
124	731623	Minor Concrete (Curb Ramp)	CY	20		
125	731710	Remove Concrete Curb	LF	290		
126	731780	Remove Concrete Sidewalk	SQYD	620		
127	731840	Remove Concrete (Curb and Gutter)	LF	720		
128	017302	Minor Concrete (Cross Gutter)	CY	44		
129	017312	Minor Concrete (Commercial Driveway)	CY	19		
130	153210	Remove Concrete [Cross Gutter]	SQYD	220		
131	153210	Remove Concrete [Curb Ramp]	SQYD	130		
132	750001(F)	Miscellaneous Iron and Steel	LB	8,796		
133	750010	Manhole Frame and Cover	EA	15		
134	750501(F)	Miscellaneous Metal (Bridge)	LB	1,920		
135	750505(F)	Bridge Deck Drainage System	LB	47,065		
136	037700	<b>8" PVC Pipe-SDR 26</b>	LF	470		
137	719300	Manhole [48"]	EA	1		
138	780433	Paint Curb (2-Coat)	SQFT	200		
139	780440	Prepare and Stain Concrete	SQFT	700		
140	780460(F)	Anti-Graffiti Coating	SQFT	102,310		
141	780500	Parking Bumper (Precast Concrete)	EA	2		
142	782200	Obliterate Surfacing	SQYD	5,370		
143	803020	Remove Fence	LF	1,290		
144	803170	Relocate Fence	LF	150		
145	820250	Remove Roadside Sign	EA	19		
146	820300	Remove Roadside Sign (Strap and Saddle Bracket Method)	EA	1		

**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
147	820610	Relocate Roadside Sign	EA	13		
148	820750	Furnish Single Sheet Aluminum Sign (0.063"-Unframed)	SQFT	280		
149	820760	Furnish Single Sheet Aluminum Sign (0.080"-Unframed)	SQFT	300		
150	820780	Furnish Single Sheet Aluminum Sign (0.063"-Framed)	SQFT	8		
151	820790	Furnish Single Sheet Aluminum Sign (0.080"-Framed)	SQFT	88		
152	820807A	Retroreflective Sheeting (Type XI)	SQFT	548		
153	820840	Roadside Sign - One Post	EA	49		
154	820850	Roadside Sign - Two Post	EA	1		
155	820860	Install Sign (Strap and Saddle Bracket Method)	EA	5		
156	820880	Install Sign (Mast-Arm Hanger Method)	EA	22		
157	832005	Midwest Guardrail System	LF	660		
158	832070	Vegetation Control (Minor Concrete)	SQYD	440		
159	833033(F)	Chain Link Railing (Type 7 Modified)	LF	1,721		
160	833088(F)	Tubular Handrailing	LF	2,198		
161	833141A	Concrete Pedestrian Railing	LF	1,073		
162	839724A(F)	Concrete Barrier (Type 732SW Modified)	LF	1,093		
163	839719A(F)	Concrete Barrier (Type 836 Modified)	LF	1,898		
164	839741A(F)	Concrete Barrier (Type 842 Modified)	LF	1,066		
165	839741A(F)	Concrete Barrier (Type 842)	LF	33		
166	839543	Transition Railing (Type WB-31)	EA	2		
167	_____	<b>ITEM DELETED BY ADDENDUM</b>	_____	_____	_____	_____
168	839584	Alternative In-line Terminal System	EA	4		
169	839752	Remove Guardrail	LF	62		
170	840508	8" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 12'-3')	LF	520		
171	840516	Thermoplastic Pavement Marking (Enhanced Wet Night Visibility)	SQFT	3,910		
172	840617	6" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 6-1)	LF	90		
173	840623	6" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 36-12)	LF	1,002		
174	840651	Painted Stall lines and Pavement Markings	SQFT	840		
175	846007	6" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)	LF	53,665		
176	846008	6" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 8-4)	LF	190		

**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
177	846009	8" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)	LF	6,317		
178	846030	Remove Thermoplastic Traffic Stripe	LF	4,630		
179	846035	Remove Thermoplastic Pavement Marking	SQFT	67		
180	846051	12" Rumble Strip (asphalt concrete pavement)	STA	15		
181	810230	Pavement Marker (Retroreflective)	EA	1,790		
182	870400A	Signal and Lighting System (Location 1)	LS	1		
183	870400B	Signal and Lighting System (Location 2)	LS	1		
184	870400C	Signal and Lighting System (Location 3)	LS	1		
185	870200	Lighting System	LS	1		
186	872130	Modifying Existing Electrical System	LS	1		
187	032000	Landscaping & Irrigation	LS	1		
188	760090	Mobilization, Demobilization, and Final Cleanup	LS	1		
188a	511035	Architectural Treatment [Silhouette D]	EA	1		
188b	511035	Architectural Treatment [Silhouette E]	EA	1		
188c	511035	Architectural Treatment [Silhouette F]	EA	1		
188d	511035	Architectural Treatment [Silhouette G]	EA	1		
188e	511035	Architectural Treatment [Silhouette H]	EA	12		
188f	710112	Abandon Manhole	EA	2		
188g	710116A	Abandon Sewer	LF	558		
188h	710164	Remove Sewer Pipe	LF	217		
188i	707225A	48" Precast Manhole (Sewer)	EA	1		
188j	510073A	Structural Concrete, Coping	CY	49		
188k	839515A(F)	Picket Railing	LF	669		

BASE BID

SUB-TOTAL: \_\_\_\_\_ \$ \_\_\_\_\_

ITEMS 1-188k

"WORDS"

**ALTERNATIVE BID SCHEDULE - CVWD DOMESTIC WATER TRANSMISSION MAIN**

189	703450	Welded Steel Pipe Casing (Bridge)	LF	156		
190	703453A	Double Ball Expansion Joint (Waterline)	EA	4		
191	032000	30" Ductile Iron Pipe (Water Main)	LF	2,801		

**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
<b>Alternate Bid Schedule</b>						
192	032001	6" Ductile Iron Pipe Water Line	LF	37		
193	032002	30" Welded Steel Pipe (.250" Thick)	LF	1,091		
194	993002	Fire Hydrant	EA	2		
195	032003	4" Air Release and Air/Vacuum Valve	EA	1		
196	032004	6" Temporary Blow-Off	EA	1		
197	760090	Mobilization, Demobilization and Final Clean	LS	1		
198	032004	12" Ductile Iron Pipe Watermain	LF	109		
199	032005	2" Air Release and Air/Vacuum Valve	EA	2		
200	032006	6" Blow-Off	EA	2		
201	032008	30" Butterfly Valve	EA	8		
202	032009	30" Gate Valve	EA	1		
203	032010	6" Gate Valve	EA	1		
204	032011	12" Gate Valve	EA	1		
205	032012	Waterline Reducer (30" to 12")	EA	1		

ALT. BID SCH. 1

SUB-TOTAL:

ITEMS 189-205

"WORDS"

\$

PROJECT TOTAL:

ITEMS 1-205

"WORDS"

\$

Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)

## ATTACHMENT "B"

### CONTRACTOR QUESTIONS AND RESPONSES

The Questions and Responses information document is available on the County website at the following link during the advertisement period for this project:

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

This (downloadable) file is provided for reference only. For any discrepancy written on this Questions and Responses document, the Contractor shall conform to the contract documents.



**Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)**

<b>CONTRACTOR QUESTIONS AND RESPONSES</b>		
<b>26</b>	Question	Reference Plan sheet no. 114. There is a Note that indicates that the contractor is to provide a temporary bypass during the settlement period. Please provide details for the temporary bypass. Also, where is the work for the temporary bypass to be paid?
	Response	Due to the proximity of the 12' Irrigation line to the preload settlement, a temporary bypass of the 12" line will be required. Contractor to determine what is needed to provide this bypass. The cost associated with the bypass to be paid as part of Bid Item #49.
<b>27</b>	Question	Please reference Sheet R-4 regarding the CVWD Sewer Work. Where does the abandonment and removal of the existing VCP Sewer Lines and Manhole get paid?
	Response	The Special Provisions and Bid Item List have been updated.
<b>28</b>	Question	Section 12-4.03C of the Special Provisions provides locations and dimensions of the required falsework openings. These dimensions are inconsistent with the dimensions given on Plan Sheet 136 for both Hwy 111 and Hammond Rd, as well as Plan Sheet 299 for Hwy 111. What dimensions are to be used to determine the falsework openings?
	Response	Section 12-4.03 and the detail on Plan Sheet 136 have both been revised for consistency and accuracy.
<b>29</b>	Question	Bid Items 82-84 include Architectural Treatment (Silhouette A) – (Silhouette C) respectively. Plan Sheet 271 details silhouettes A through F. What Bid Items include silhouettes D-F?
	Response	Plan Sheet 271 has been revised and the Bid Item List updated.
<b>30</b>	Question	Plan sheets 255 and 259 include quantities for "Structural Concrete, Coping" however there is no Bid Item for Structural Concrete, Coping. When this quantity is added to the quantities for Structural Concrete, Barrier Slab it closely approximates the Bid Item 76 Structural Concrete, Barrier Slab quantity. Is it the intent that Structural Concrete, Coping be paid as Structural Concrete, Barrier Slab under Bid Item 76?
	Response	Plan Sheets 255 and 259 have been revised and the Bid Item List has been updated to include a bid item for Structural Concrete, Coping.
<b>31</b>	Question	Who is the ultimate approving authority for the Earth Retaining Systems (ERS)? Caltrans or Other?
	Response	The County is the Ultimate Approving Authority.
<b>32</b>	Question	Please clarify whether to use the pre-approved ERS Systems or use the project specific parameters.
	Response	The Contractor is to use the project Special Provisions Section 47 which include a list of the only alternative retaining wall systems approved for use.
<b>33</b>	Question	Reference plan sheet no. 301. The Existing & Future Track Clearances diagram on this page shows the centerline of the Existing Track as well as two Future Tracks with a total Construction Clearance Envelope of 70'. Please confirm whether this 70' envelope is required even though the diagram is indicating Future Tracks. Will these future tracks be installed prior to or after the construction of the Avenue 66 Overhead?
	Response	The future tracks will be installed after completion of the bridge structure. See Revised Sheet 301. I have not seen this yet.
<b>34</b>	Question	The special provisions do not provide information as to what type of stain is to be used on the Bridge Architectural patterns. Please provide a product type.
	Response	See Standard Specifications Section 78-4.04.

**Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)**

<b>CONTRACTOR QUESTIONS AND RESPONSES</b>		
<b>35</b>	Question	The special provisions do not provide information on what type of anti graffiti is to be used - (sacrificial or non-sacrificial)? Please provide a product type.
	Response	Contractor shall follow Caltrans Standard Specifications.
<b>36</b>	Question	Reference plan sheet nos. 255 - 259. These plan sheets cover the MSE walls required on the project. The "location" descriptions shown in the quantity tables on these sheets do not match the location descriptions for bid items 64-68. Suggest changing the bid item descriptions to Wall No. X rather than Location X. In addition, the bid item quantities do not match the plan sheet quantities. Please clarify.
	Response	Plan Sheets 255, 257 and 259 have been revised and the Bid Item List updated.
<b>37</b>	Question	Reference Plan Sheet 115. There are notes at STA. 113+36.57 and STA. 116+49.20 that call for the existing sewer manholes to be "REMOVED". Under construction note 2 it calls for those existing sewer manholes to be "lined with epoxy coating or equal". Please clarify what is required for these manholes and advise what bid item this gets paid under.
	Response	The Special Provisions and Bid Item List have been updated.
<b>38</b>	Question	Reference plan sheet no. 255 and 259. These sheets indicate installation of "Picket Railing" on Retaining Walls No. 101 and 117. We do not find a bid item for the Picket Railing. Please clarify where this work is to be paid.
	Response	An item for picket railing has been added to the base bid schedule.
<b>39</b>	Question	Reference plan sheet 268 - Concrete Barrier Slab detail. The width of the barrier slab dimensions are inconsistent. For example, one dimension for RW103 shows an overall width of 11'. Another dimension for RW103 shows a width of 11' plus 2' for an overall width of 13'. Please clarify which dimensions are correct.
	Response	Plan Sheet 268 has been revised.
<b>40</b>	Question	Reference plan sheet 268 of 337. The dimensions for the Concrete Barrier Slab are shown the same from the face of barrier slab and also the inside face of barrier to the roadway section. Which dimensions are correct?
	Response	Plan Sheet 268 has been revised.
<b>41</b>	Question	How does the Structural Concrete (Coping) for the MSE walls get paid?
	Response	Plan Sheets have been revised and the Bid Item List has been updated to include a bid item for Structural Concrete, Coping.
<b>42</b>	Question	Are bid items 57 and 58 subject to Caltrans 2018 Standard Specifications Section 9-1.07 Payment Adjustments for Price Index Fluctuations?
	Response	Yes
<b>43</b>	Question	Does County will provide and pay the costs of the site Biologist(s).
	Response	That is correct, the Contractor is not responsible for the County provided Biologist.
<b>44</b>	Question	Plan sheet R-13 page 268 – Inspection Wire Group – has a note “for locations, see General Plan Sheet”. The retaining wall plan sheets do not show the locations. Please clarify the locations of inspection wire groups, if they are required.
	Response	Inspection Wire Group Location added to plan sheet 255. Other MSE Wall General Plan sheets already show locations of inspection wire groups.

**Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)**

<b>CONTRACTOR QUESTIONS AND RESPONSES</b>		
<b>45</b>	Question	Plan sheet R-3 page 114 – Note: Contractor to provide a temporary bypass during settlement period. What line is this referring to? The 12" Irrigation line?
	Response	That is correct. Due to the proximity of the 12' Irrigation line to the preload settlement, a temporary bypass of the 12" line will be required.
<b>46</b>	Question	Plan sheet R-3 page 114 – the outlet detail shows rock slope protection (class I) – is this quantity measured and paid for by bid item #118?
	Response	That is correct, the quantity is measured and paid for by Bid Item #118. The same goes for RSP Fabric. The Bid Item List has been updated. See Revised Proposal.
<b>47</b>	Question	Plan sheet R-1 page 112 – Crossing Detail – the detail calls for RCP, while the plan sheet and the bid item lists 12" PVC, please clarify.
	Response	This pipe shall be PVC, not RCP.
<b>48</b>	Question	Plan sheet W-1 page 98 – plans show 110 LF of 12" DIP Water Main. Please confirm this is correct and if the bid schedule item 192 should be changed to 12".
	Response	The Bid Item List has been updated. See Revised Proposal.
<b>49</b>	Question	Plan sheet W-4 page 101 – Note 2 "At Contractor's Expense" - Bidding Contractors cannot accurately price this work by CVWD without knowledge of where they will obtain the materials from, size and cost of crew and equipment they will use, and their duration to do the work. The Special Provisions state "All connections to existing facilities will be made by CVWD at the owner's expense." Please change this to an allowance item or remove the note "At Contractor's Expense" and have the County pay for this work by CVWD.
	Response	This Note has been updated to read, "At District's expense, CVWD forces to...." The cost associated with this work is at CVWD's expense and will not be the responsibility of the Contractor.
<b>50</b>	Question	Will the County pay the charges for CVWD inspections?
	Response	The costs of CVWD inspections are not the responsibility of the Contractor and will be covered by the County.
<b>51</b>	Question	Sheet 127 & 128 indicates dashed lines called out as "Top of Preload Embankment", however it does not clearly define what the elevations are. Please provide elevations for at least each corner of the "top of preload embankment".
	Response	The top of preload embankment varies based on the road profile. The intent is that preload embankment be placed to FG elevations.
<b>52</b>	Question	Reference Bid Item 134 - Miscellaneous Metal (Bridge). Please identify what materials are considered Miscellaneous Metal (Bridge) on both bridges.
	Response	Bid Item 134 - Miscellaneous Metal (Bridge) is made up of the Pedestrian Joint Armor and Barrier Joint Seal Cover and Soffit Access Grates on the OH & Lincoln Channel. The Bid Item quantity for Bid Item 134 is increased to 1920 LB. The quantity table on sheet 299 has been updated.
<b>53</b>	Question	Reference Addendum No. 2 Plan Sheet No. 97. The quantity for the Manhole Frame and Cover changed from 13 each to 15 each, yet the quantity for Bid Item No. 133 -Manhole Frame and Cover remains at 13 each. Please advise which is correct.
	Response	The Bid Item List quantity has been updated.

**Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)**

<b>CONTRACTOR QUESTIONS AND RESPONSES</b>		
<b>54</b>	Question	Note 2 on Sheet W-4 states that "at Contractors Expense, CVWD forces to remove existing waterline appurtenances...." Where is this to be paid and what are the rates that CVWD will charge for their crews. More information needs to be provided.
	Response	This Note has been updated to read, "At District's expense, CVWD forces to...." The cost associated with this work is at CVWD's expense and will not be the responsibility of the Contractor. Plan Sheet W-4 has been updated.
<b>55</b>	Question	1.Special Provisions page 46 section 14-2.03B – This section states "All ground disturbing activities within the project footprint must be monitored by an archaeological and Native American monitor (approved by the Torres-Martinez Desert Cahuilla Indians [TMDCI])." Does the County provide the archaeological monitor? Bid item 34 lists only Native American Monitor.
	Response	That is correct, the Contractor is not responsible for the County provided Archaeologist.
<b>56</b>	Question	Please reference page 82, specification section 77-1.01 General. Paragraph twelve states "All connections to existing facilities will be made by CVWD at the owner's expense." There is one major connection for the 30" Water Main. It is shown on sheet 101 STA. 131+44.61. Please confirm that CVWD will provide the isolation valves in order to isolate the existing water main from the new proposed water main.
	Response	CVWD will construct the necessary valves/joints/connections to existing pipes, the contractor is only responsible for connecting to that joint/connection.
<b>57</b>	Question	Bid item 196 calls for 3 each 6" Air Release and Air/Vacuum Valves. The 30" proposed water line shown on plan sheets 98 thru 101 show 3 each Air Release and/Air Vacuum, but the sizes are 2" and 4". Please clarify.
	Response	See Addendum #2.
<b>58</b>	Question	For the 30" WSP that runs through the Lincoln Bridge, what seals the joints? Often times it is concrete or epoxy. I think that the answer to this question is related to question 13.
	Response	The Special Provisions and Bid Item List have been updated.
<b>59</b>	Question	Please clarify the "Existing & Future Track Clearances" drawing on sheet 301 of 337. The drawing states that there will be a future track adjacent to the two existing ones, can you clarify if we can construct Railroad falsework opening within the two existing tracks or if we have to have a complete opening for all three railroad tracks?
	Response	The future tracks will be installed after completion of the bridge structure. See Revised Sheet 301.
<b>60</b>	Question	The description of Bid item 90 is Joint Seal Assembly (MR=2"). Project plan sheet 284 calls for Joint Seal Type B (MR=2"). Please clarify joint seal type.
	Response	See Addendum 2. Joint Seal (Type B) (MR 2") is correct. Bid item list, and quantity list on sheet 279 have been revised.
<b>61</b>	Question	Project plan sheet 302 of 337 does not show the layout of the Jacking Plates and plan sheet 329 of 337 does not specify the quantity of Jacking Plates. Please provide the missing information?
	Response	Project plan sheets 302 and 329 have been updated.
<b>62</b>	Question	Please provide the seismic design criteria requirements for the Temporary Walls shown on plan sheets 127 and 128.
	Response	Refer to MSE Wall Foundation Report in the supplemental project information for seismic design values.

**Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)**

<b>CONTRACTOR QUESTIONS AND RESPONSES</b>		
<b>63</b>	Question	Please reference sheet C-11 regarding the driveway at approximately station 129+30. Please confirm the layout for the commercial drive includes the area behind the walk as concrete or asphalt
	Response	The area behind the driveway is asphalt.
<b>64</b>	Question	With regard to waterline plan drawings W-1 thru WP-2 of the 30" DIP, will signed CVWD drawings issued before bid time?
	Response	Yes, it is the intent to have these sheets signed prior to bid opening although that may not occur.
<b>65</b>	Question	Waterline plan drawing W-4, note 2, states: At contractor's expense "CVWD forces will install new 12" cross with valves and reducers". Will the County of Riverside be responsible for all CVWD expenses on the existing main relating to this plan note? If not, how should contractor bid this unknown CVWD expense?
	Response	This Note has been updated to read, "At District's expense, CVWD forces to...." The cost associated with this work is at CVWD's expense and will not be the responsibility of the Contractor.
<b>66</b>	Question	Regarding waterline plan drawings W-1 thru WP-2 of the 30" DIP watermain, will the DIP need to be fully restrained for the entire pipeline length?
	Response	Yes.
<b>67</b>	Question	Bid item 114, Pipe Removal, has a bid quantity of 940 LF. The drainage quantities sheet and drainage plan only show pipe removal at system D-7 - 16 a, b with quantity of 107 LF of pipe removal. Where is the remaining 833 LF of pipe to be removed?
	Response	Bid Item # 114 quantity has been updated to 911 LF. This quantity also includes the removal of existing irrigation pipe as shown on Sheet Nos. 112 and 114. The Summary of Quantities Sheet Q-2 has been updated to include the pipe removal.
<b>68</b>	Question	The bid item quantities for bid items number 101 (18" Plastic Pipe) and 104 (18" Reinforced Concrete Pipe) do not match the quantities shown in the drainage quantity sheets DQ-1 thru DQ-4. Which quantities are correct?
	Response	Bid Item List has been updated.
<b>69</b>	Question	Sewer bid items 136 & 137 installation occurs in some areas where existing hardscape and paving is not indicated for replacement. What bid item is the replacement of minor concrete and asphalt/stripping be paid under?
	Response	The Special Provisions and Bid Item List have been updated.
<b>70</b>	Question	With regard to Drainage System 12 shown on drainage profile DP-8, the profile shows existing phone conduits in conflict with new storm drain. Also, Utility Plan sheet U7 does not show any relocation at this new storm drain area. Will these telephone conflicts be relocated by others?
	Response	Yes, these conflicts will be relocated by the others.
<b>71</b>	Question	Plan sheet 292 (16 of 20 Lincoln Bridge Plans) depicts a 30" domestic CVWD water line installed inside a 42" casing for 35 feet under the structural bridge approaches. What bid item pays for the 42" casing around the CVWD domestic waterline?
	Response	Bid Item 189 "Welded Steel Pipe Casing" covers this item.
<b>72</b>	Question	Where are the bridge pipe support for the irrigation steel pipe paid?
	Response	Pipe supports for the 18" Welded Steel Pipe (Storm Drain)(Bridge) through the bridge are paid for under Bid Item #108.

**Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)**

**CONTRACTOR QUESTIONS AND RESPONSES**

73	Question	Where are the bridge pipe supports for the CVWD water main paid?
	Response	See Section 77 Local Infrastructure of the Special Provisions. Payment for welded steel pipe of the types shown on the plans includes payment for all appurtenant facilities, including flexible expansion joints, cradles, hardware, and insulators.
74	Question	Bid item 107 is for 216 LF of 18" welded steel pipe. Drainage quantity sheet DQ-2 shows a total of 145.4 LF of 18" welded steel pipe. Where is the remaining 70.6 LF of welded steel pipe paid?
	Response	The 18" Welded Steel Casing (Storm Drain)(Bridge) quantity of 216 LF is correct. Additionally, the Bid Item has been updated to read "18" Welded Steel Pipe (Storm Drain)(Bridge). The plans have been updated and are included as part of the addendum.
75	Question	Bid item 107 is for 18" welded steel pipe. Special Provisions section 77-1.04 A(1) "Summary" states to comply with Standard Specifications section 70-3. Which Standard Specification section applies to the coating of the pipe through the Lincoln bridge: section 70-3.02B(2) Coal Tar Coating or 70-3.02B(3) Epoxy coating?
	Response	The Special Provisions and Bid Item List have been updated.
76	Question	Bid item 195 is for installation of 3 each 6" air release and air vacuum valves. Plan sheets W-1 & W-2 show 2 each of a 2-inch air vac and 1 each of a 4-inch air vac. Are the plan notes incorrect? Should all 3 of the air vacs be priced as 6" air vacs?
	Response	Bid Items have been updated.
77	Question	Water plan sheet W-3 at station 44+12.64 shows a 30"x8" Tee with 6" Gate Valve. This valve and fitting combination are not compatible based on the size. Should the lateral be 6" or 8"?
	Response	Sheet W-3 has been revised to change to a 30"x6" Tee.
78	Question	Bid item 192 is for 110 LF of 6" Ductile Iron Pipe water line. I do not see the 6" DI pipe locations referenced on the plan. Does the Engineer intend for these segments to occur at the fire hydrants, air vacs, and lateral?
	Response	The Special Provisions and Bid Item List have been updated.
79	Question	Bid item 190, Double Ball Expansion Joint (WATERLINE), has quantity of 2 each. There are two bridges that the 30-inch water main passes through and the expansion joint occurs at each end. Should the quantity be 4 each?
	Response	This quantity should be 4.
80	Question	There is a section in the revised standard plans listing contained in Appendix B for Temporary Pedestrian Access Route but there are no Revised Standard Plans listed below it. Did the County intend to list reference plans for this bid item? Additionally, there is no spec section that describes what is to be included in bid item 16, Temporary Pedestrian Access Route. Can the County provide guidance on this item?
	Response	Existing pedestrian routes are present within the work area. The bid item is added to catch associated costs of maintaining the pedestrian access during construction. The contractor shall use Section 12-4.04 of Standard Specifications for what is included in this bid item.
81	Question	On sheet 54 of the Special Provisions, the chart contained in section 19-6.03D shows two different surcharge heights and settlement periods for the same sets of bridge abutments. Was this in error? Should one of the lines instead reference the Lincoln Bridge, Abutments #1 &2? Additionally, what does the superscript "a" reference in the Surcharge column on the lower line?
	Response	See addendum No. 3 for revised table. The contractor shall assume a settlement period of 120 days.

**Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)**

**CONTRACTOR QUESTIONS AND RESPONSES**

<b>82</b>	Question	On Page 69 of Specifications and Contract Documents for Project No. B8-0664, Section 39-2.01B(2)(b) states “...Treat aggregate with lime slurry with marination...” . Treatment of aggregate with lime slurry marination method for bid item #57- Hot Mix Asphalt (Type A) and bid item #58 Rubberized Hot Mix Asphalt (Gap Graded) will lead to high material costs when compared to other aggregate treatment methods like liquid anti-strip or dry lime. Will the County of Riverside allow liquid anti-strip or dry lime as alternatives to meet the material specification requirements for bid item numbers #57 and #58?
	Response	Lime Slurry Marination is required on this project.
<b>83</b>	Question	On Page 72 of Specifications and Contract Documents for Project No. B8-0664, the requirement of Surface Abrasion Loss, California Test 360 is referenced for Section 39-2.03B(2). However, the Caltrans Construction Policy Directive 00-3 Dated May 11, 2000 mandates that the CT 360 test method be removed in areas where chain wear is not a concern and/or equipment is not available to perform the referenced test. Based on our correspondence with numerous testing laboratories and Caltrans Southern Regional Lab, we could not identify a non-Caltrans laboratories certified by Caltrans Independent Assurance to perform the CT360 as the testing equipment is no longer available. Per Caltrans Construction Policy Directive 00-3 will County of Riverside remove the requirement for CT360 or issue a no cost change order to the successful bidder removing the CT 360 test requirement?
	Response	This Special Provision has been removed.
<b>84</b>	Question	Will there be a bid item for the 30” Butterfly Valves?
	Response	The Special Provisions and Bid Item List have been updated.
<b>85</b>	Question	Bid item #192 description says 6” D.I.P. on the plans this line is called out as 12”. Which one is correct?
	Response	The Special Provisions and Bid Item List have been updated.
<b>86</b>	Question	Will there be a bid item for the Gate Valves?
	Response	The Special Provisions and Bid Item List have been updated.
<b>87</b>	Question	With regard to waterline plan drawings W-1 thru WP-2 of the 30” DIP watermain, what specification reference should be used for thrust protection?
	Response	See Section 77 Local Infrastructure of the Special Provisions. Additionally, all pipe joints shall be fully restrained.
<b>88</b>	Question	On sheet 292, FOR the 30” STD NSP WSP at Lincoln & Ave 66 bridge detail, is the joint for the 30” STD NSP WSP fully welded double pass or is it a ring-seal bell/spicket joint?
	Response	The Special Provisions and Bid Item List have been updated. Joints shall be fully welded double pass.
<b>89</b>	Question	Will there be aggregate base required under concrete flatwork and curb? If so, is the base paid in item 54 Aggregate Base or is it incidental to the concrete?
	Response	Yes, aggregate base is required under areas concrete sidewalks and curbs. Bid Item #54 covers these quantities.
<b>90</b>	Question	Where is the temporary paving paid? What is the required section for the temporary asphalt paving?
	Response	Temporary Pavement is quantified under Bid Items 54 and 57. The required section for Temp Pavement can be found on Sheet 129.

**Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)**

**CONTRACTOR QUESTIONS AND RESPONSES**

<b>91</b>	Question	Addendum #2 Drawing G-2 (Sheet 60 of 337) added a new table for the Over excavation of the Basins. Note 2 in the table requires the basin over excavation to be replaced with a select material. What is the specification for this material? Is this material paid as Import Borrow?
	Response	A special provision has been added for this material. The material will be paid as Import Borrow.





Patricia Romo, P.E.  
Director of Transportation

# COUNTY OF RIVERSIDE

## TRANSPORTATION AND LAND MANAGEMENT AGENCY

Mojahed Salama, P.E.  
Deputy for Transportation/Capital Projects  
Richard Lantis, P.L.S.  
Deputy for Transportation/Planning and  
Development

### Transportation Department

#### ADDENDUM NUMBER 4

Dated December 5, 2019

to the  
Specifications and Contract Documents  
for the construction of

Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)

**Bids Due: Wednesday, December 11, 2019; 2:00 p.m.**  
14<sup>th</sup> Street Transportation Annex  
3525 14<sup>th</sup> Street, Riverside, CA 92501  
(951) 955-6780

This Addendum is issued pursuant to the Instructions to Bidders, Item No. 8, of the Contract Documents for the reference project. This Addendum is issued as a supplement to the specification and special provisions for the referenced project. The revisions to the specifications shall become a part of the Contract Documents, and each bidder shall acknowledge receipt thereof on the Bid (Proposal). Bidders are directed to sign this addendum as acknowledged, and attach the signed addendum to the contractor's submitted proposal.

Note: During the advertisement period of this project, this document and attachments (if any) are available upon request at the office of the Transportation Department, and are available as a free download at the Transportation Department's website:

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

#### MODIFICATIONS / CLARIFICATIONS TO SPECIAL PROVISIONS:

**Item 1: Revised Proposal.** Refer Attachment "A" "Proposal (Revised)" pages B2-B9 previously revised and issued by Addendum No. 3, Item 2. Delete and replace "Proposal" (pages B2-B9) with "Proposal (Revised)" attached herewith as **Attachment "A"**.

**a. The quantities of following bid items have been revised:**

- Item# 28; Temporary Construction Entrance
- Item# 39; Structure Excavation (Bridge)
- Item# 40; Structure Excavation (Type D)
- Item# 42; Structure Backfill (Bridge)
- Item# 45; Imported Borrow
- Item# 46; Embankment
- Item# 54; Class 2 Aggregate Base
- Item# 160; Tubular Handrailing

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FAX (951) 955-3164

**b. The following bid items have been added:**

Items# 188l through 188jj

**c. The following bid items are deleted:**

Item# 48; Remove Irrigation Pipe  
Item# 188i; 48" Precast Manhole (Sewer)

**Item 2: Update - Federal Prevailing Wages Decision**

Refer to Attachment "B" of Addendum No. 2, "Federal Prevailing Wages Decision No. CA20190025 dated 11/15/2019, Modification No. 6, pages 1 through 21. Delete and replace these pages with the following:

Federal wage determination, General Decision No. **CA20190025 dated 11/29/2019**, Modification No. 7, attached herewith as **Attachment "B,"** shall apply to this project. This document is available upon request from the Transportation Department: (951) 955-6780, and also posted on following County website during project advertisement period:

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

**Item 3: Section 77**

Refer to Item 20 of Addendum No. 3, issued on November 27, 2019 regarding Domestic Water Transmission Main. Addendum No. 3 item 20 deletes and replaces Special Provisions Section 77 of the Bid Book (pages 82 through 90)

**Item 4: County Miscellaneous**

Refer to Section 00, County Miscellaneous on page 3 of the Special Provisions. Add the following to the end of fourth (4<sup>th</sup>) paragraph and made part thereof.

The Revised Standard Specifications designated for this project are dated as dated 10-18-19. This document is available to download from the following County's webpage.

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

**Item 5: 00-1.03 Time of Completion**

Refer to Section 00-1.03, "Time of Completion" on page 5 of the Special Provisions. Add the following provisions to this section and made part thereof.

Plant Establishment Period is 120 calendar days.

**Item 6: 00-1.10 Encroachment Permit**

Refer to Section 00-1.10, "Encroachment Permit" on page 8 of the Special Provisions. Add the following provisions to this section and made part thereof.

A copy of Caltrans encroachment permit is provided for bidder's information and compliance. The encroachment permit is attached herewith as **Attachment "C"**.

**Item 7: 00-1.23 Working Within or Adjacent to The Railroad Right of Way**

Refer to Section 00-1.23, "Working Within or Adjacent to The Railroad Right of Way" on page 19 – 21 of the Special Provisions. Refer to 9<sup>th</sup> paragraph (bold text) on page 20 and delete and replace ~~10 hours work day~~ with **8 hours work day**.

**Item 8: Landscape**

Refer to Section 20 Landscape of the Special Provisions on page 57, the following Special Provisions are added to Section 20 Landscape and made part thereof.

**Delete the 5th paragraph of Section 20-1.03A.**

**Add to the list in the 1st paragraph of Section 20-2.06B(2)(a):**

17. Be EPA WaterSense® approved.

**Add to Section 20-2.06B(2)(a):**

The irrigation controllers within Department highway areas must be Calsense and must have 2-way communication by cellular. The vendor must install any necessary software and conduct any initial software or proprietary website setup configuration for communications between controller and any web-enabled device.

You may obtain specified equipment listed below from:

Company: Technical Services  
Address: 1485 N. Manassero St. Anaheim, CA 95807  
Business phone number: (714) 696-7525  
Mobile phone number: (949) 584-7311  
Email address: gps10@earthlink.net  
Contact person: Daryl Green

The Department has obtained quoted prices, not including sales tax and delivery, for the equipment shown in the following table:

Equipment description	Quoted price (EA)	Quantity	Extended price	Controller identification
ICA6-CS3-8 ITSASSY IRRIGATION CONTROLLER ASSEMBLY	\$5239.00	1	\$5239.00	A
CSTP110 ITSOPT CALSENSE AC LINE PROTECTION	\$205.00	1	\$205.00	A
CS3GR ITSOPT CS30000 GPRS MODEM	\$1,790.00	1	\$1,790.00	A
CSGR ITSOPT STUBBY ANTEN NA ASSY.	\$195.00	1	\$195.00	A
RSE ITSOPT RAIN SWITCH IN EN CLOSURE MOUNTED ASSY..	\$285.00	1	\$285.00	A
FM-1B CALSENSE 1" BRASS FLOW METER	\$595.00	1	\$595.00	A
7 COMM-21YR CALSENSE GRPS 1YR COMM CHARGES (1-2 CONTROLLERS)	\$175.00	1	\$175.00	A

These prices are good until December 01, 2020

**Replace item 1 in the list in the 1st paragraph of Section 20-2.06B(3) with:**

1. Be cold-rolled steel or aluminum. The finish color of the irrigation controller enclosure cabinets must match color no. 20450 of AMS-STD-595.

**Replace item 6 in the list in the 1st paragraph of Section 20-2.06B(3) with:**

6. Have door locks with a removable-core mortise cam cylinder door lock compatible with the Department's lock core. The Department's lock core is a Best construction core. Keys must be removable from the locks in the locked position only.

**Add to Section 20-2.06B(3):**

A single irrigation controller enclosure cabinet must be 38 inches high by 16 inches wide by 16 inches deep.

**Add to Section 20-2.06C:**

Install door locks under the manufacturer's instructions. Furnish 2 keys for each door lock before Contract acceptance.

**Add to the 1st paragraph of Section 20-3.01C(1):**

Apply root stimulant to:

1. Trees to be transplanted

**Add to Section 20-4.01A:**

This project has a Type 1 plant establishment period.

**Replace the 3rd paragraph of Section 20-4.03A with:**

You are not required to remove foliage protectors.

**Replace the 1st paragraph of Section 20-4.03B with:**

You are not required to trim or mow turf areas.

**Replace item 1 in the list in the 1st paragraph of Section 20-5.03C(2) with:**

1. Uniform Golden fawn, Cinnabar and Copper Canyon color

**Replace "Reserved" in Section 20-3.03 with:**

**20-3.03 PALM TREE TRANSPLANTING**

**20-3.03A General**

**20-3.03A(1) Summary**

Section 20-3.03 includes specifications performing palm tree transplanting.

Provide a Tree Work and Transition Plan/Report. The Plan/Report must include information on the execution of work to be performed including, but not limited to: removal and transplanting sequencing schedule, identification of a temporary holding/nursery location, palm trunk and canopy cleaning operations, palm removal from current location to a temporary location, temporary water and palm maintenance operations, final delivery and transplanting operations at palm location seen on contract documents. Include information on all products to be used to clean, move and transplant palms, maintenance operations for palms at final location.

Review the Arborist's Palm Tree Report for palms selected and tagged on County property adjacent to final planting location.

Clean palm trunks, canopies and shape palm boot / pineapple

Move palms from County property during construction and temporarily plant in an acceptable location agreed upon by County of Riverside. Water and maintain palms at temporary site during construction.

Perform agronomic soil tests and report for existing soil and proposed backfill soil/sand. Provide and prepare soil per recommendations.

Relocate and plant palms to final site, as shown.

Maintain transplanted palms at final location for 120 days.

**20-3.03A(2) Quality Assurance and Requirements**

Provide written documentation of at least fifteen (15) years' experience of palm tree relocation and planting.

Perform work in accordance with the best standards of practice for landscape work and under the continual supervision of a competent foreman capable of interpreting the drawings and specifications.

**20-3.03A(3) Submittals**

**20-3.03A(3)(a) Work Plan**

Tree work and transition plan to be approved by the County of Riverside, Caltrans District 8 and Owners Authorized Representatives.

**20-3.03A(3)(b) Product Submittals**

Submit agronomic soils report.

Prior to delivery to site, submit to the Engineer all manufacturer's current literature of any products as seen in the approved Tree Work and Transition plan or specified by Agronomic soils report i.e.: soil, root stimulant/gypsum, palm fungicide, sisal for tying palm canopy.

**20-3.03A(4) Delivery, Storage and Handling**

Protect the palms during transport and storage.

For palm identification and placement, after trunk cleaning and relocation, re- tag/label palms with tags currently found on selected palms.

When handling and lifting palms, provide padded straps to protect trunk. Do not bind or handle palms with wire or rope at any time. Transport palm with remaining fronds wrapped securely around the meristem/ crown bud.

Verify location for temporary holding/nursery location with the Engineer.

At temporary holding/nursery location and at final planting location, schedule construction activities so that a minimum amount of time elapses between completion of removal and transplanting. Do not permit more than one (1) day between removal and installation.

**20-3.03A(5) Project/Site Conditions**

Review the Arborist's Palm Tree Report for palms selected and tagged on County property adjacent to final planting location.

**20-3.03A(6) Sequencing and Scheduling**

Remove palms tagged for use off the project site before grading begins.

Submit a written schedule to the Engineer to review.

Coordinate delivery and installation of the palms.

**20-3.03B Materials**

Back fill sand or soil must be as recommended by Agronomic soils report.

Fronde ties must be natural sisal rope capable of maintaining frond in tied condition throughout the Setting in Period. Do not use wire or plastic twine.

All root stimulants, fungicides, and palm drenches must be as noted in approved Tree Work and Transition Plan.

**20-3.03C Construction**

**20-3.03C(1) Examination**

Verify existing site conditions at current palm location, temporary holding area/nursery and final planting location before moving palms. Confirm temporary location before palms are cleaned.

For obstructions at existing site, coordinate palm removal with Engineer and other work items for removal of obstructions such as concrete flat work, concrete retaining wall or other hardscape that are ultimately to be removed during demolition and grading operations.

If a pest, palm borer, fungus, disease, or major trunk/canopy flaws are noticed or uncovered during or after palm cleaning on palms tagged for use, immediately notify the Engineer.

Verify prior to commencing work that required depth of palm pits can be accommodated.

Perform a percolation test at temporary nursery site and final location -prior to planting; provide percolation tests by filling appropriate size palm pit with water. If the pit does not completely drain within 24 hours, notify the Engineer.

**20-3.03C(2) Cleaning**

Clean palms trunks and fronds in a location on-site or off-site, as approved by the Engineer.

For disease prevention exercise extreme caution while cleaning/pruning palms, to prevent spread of vascular disease. Dip pruning tools in a sterilizing agent before beginning cleaning/pruning and before moving from one palm to another.

**20-3.03C(3) Delivering and Transplanting Palms**

Palms must be moved from site to site per the approved Tree Work and Transition Plan.

**20-3.03C(4) Installation**

Excavate palm pits to depth as shown, insuring palm root ball is buried completely (not to include air roots).

Note average rootball sizes for Phoenix dactylifera is 5'+ and Washingtonia filifera is 3'+.

Apply palm fungicides if included in approved Tree Work and Transition Plan.

Backfill palm pit with clean, moistened, washed plaster sand or backfill mix, as noted in agronomic soil report recommendations and Tree Work and Transition Plan. Use water jet to remove air pockets in planting pit.

Fertilize and apply root stimulant as noted in agronomic soil report and approved Tree Work and Transition plan.

Create a watering basin as shown. Form saucer with berm centered around plant pits 12" wider than root ball diameter.

**20-3.03C(5) Staking at Final Location**

At final planting location layout palms shown for replanting. Use 3' wood stake, with visible identification number for each palm. The Engineer may check location of palms in the field and adjust to exact position before planting begins.

**20-3.03C(6) Maintenance**

Provide 120 days of maintenance for relocated palms at final location, as described in approved Tree Work and Transition plan.

**20-3.03D Payment**

Not Used

**Item 9: 48-7 Temporary Retaining Wall**

The following Special Provisions are added to the Contract documents and made part thereof.

Replace "Reserved" in Section 48-7 with:

**48-7 TEMPORARY RETAINING WALL**

**48-7.01 GENERAL**

**48-7.01A Summary**

Section 48-6 includes specifications for constructing temporary retaining walls.

You must design, construct, and maintain a temporary retaining wall that:

1. Is safe and adequate
2. Provides the necessary rigidity
3. Supports the imposed loads
4. Produces completed earthwork that conforms to the lines and grades shown

**48-7.01B Definitions**

Not used.



**48-7.01C Submittals**

**48-7.01C(1) General**

Within 30 days after approval of the Contract, submit four sets of complete drawings and two copies of design calculations, including criteria as basis for the temporary retaining wall. Allow 20 working days for review of the drawings and calculations after a complete submittal. If revisions are required, revise and resubmit within 15 working days and allow the Engineer 15 working days for review of the revisions. Upon approval of the drawings and design calculations, submit six additional sets of drawings and two copies of the design calculations, incorporating any required changes.

**48-7.01C(2) Shop Drawings**

Sufficient details for construction sequence, bracing and supports for the protection barrier must be shown on the working drawings.

Shop drawings and calculations must be signed by an engineer who is registered as a civil engineer in the State.

**48-7.02 MATERIALS**

**48-7.02A General**

All exposed synthetic or geo-synthetic material used in the wall construction, including the protection barrier, must be treated with ultraviolet (UV) protection. The UV ray protection treatment is required to protect the construction materials and the overall retaining wall system to retain minimum 90% design strength throughout the required service life span of the wall.

**48-7.02B Design Criteria**

Design the temporary retaining wall for live loading behind the wall that is equivalent to a uniform surcharge of 240 pound per square foot.

**48-7.03 CONSTRUCTION**

Comply with Section 19 for excavation and backfill.

The temporary retaining wall may be of conventional construction or alternative earth retaining system construction.

No architectural fascia is required.

Include a vertical debris protection barrier adjacent to the face of the wall for the length of the wall. It must extend from the lowest adjacent grade to a minimum of 4 feet above the wall construction at all times. Design the protection barrier to prevent debris and construction materials from dropping or falling onto the traffic below the wall.

**48-7.04 PAYMENT**

Not Used

**Item 10: 83-4.06 Alternative Crash Cushions**

The following Special Provisions are added to the Contract documents and made part thereof.

**Replace "Reserved" in Section 83-4.06 with:  
83-4.06 ALTERNATIVE CRASH CUSHIONS**

**83-4.06A General**

**83-4.06 (1) Summary**

Section 83-5.05 includes specifications for constructing alternative crash cushion system, including reinforced concrete foundations and hardware required to connect to a structure or barrier as described.

**83-4.06A(2) Definitions**

Not Used

**83-4.06A(3) Submittals**

Submit a copy of the manufacturer's plan and parts list for each model of alternative crash cushion as an informational submittal.

Submit a certificate of compliance for each crash cushion system supplied.

At least 10 days before installation, for each model of crash cushion system used on the project, submit at least two copies of the following:

1. Manufacturer's:
  - 1a. Caltrans-authorized drawings
  - 1b. Instruction manuals with installation checklists
  - 1c. Maintenance manuals
  - 1d. Foundation layout
  - 1e. Connection details
  - 1f. Available options that will be used
2. Installation locations

For each crash cushion system installed, submit a completed manufacturer's checklist within 10 days after installation.

**83-4.06A(4) Quality Assurance**

Use personnel trained by the manufacturer to install crash cushions. Provide a record of training provided by the manufacturer if requested.

**83-4.06B Materials**

Concrete must comply with the specifications for minor concrete.

Reinforcement must comply with Section 52.

Allowable alternatives for alternative crash cushion system are one of the following, or a Department authorized equal, and must meet test level 3 criteria:

1. CRASH CUSHION (TYPE SCI-100GM) - Crash cushion (Type SCI-100GM). The Type SCI-100GM is a fully re-directive, non-gating, bidirectional, impact crash cushion 21'-6" in length. The Type SCI- 100GM can be obtained from the following distributors:

Address	Telephone no.
Work Area Protection Corporation 2500 Production Drive St. Charles IL 60174-9081	Telephone: (800) 327-4417 Fax: (630) 377-9270
D&M Traffic Services Inc. 845 Reed Street Santa Clara CA 85050	Telephone: (408) 436-1127 Fax: (800) 953-2636

2. CRASH CUSHION (QUADGUARD M10, 6-bay) - Crash cushion (Type QuadGuard M10, 6-bay). Type QuadGuard M10, 6-bay, is a potentially reusable, re-directive, non-gating crash cushion for roadside features of 24" or greater in width with use of an approved transition. Type QuadGuard M10 6-bay must comply with the descriptions shown in the following table:

Backup Width	Manufacturer's Product Description
24-inch	QM10024

The Type QuadGuard M10, 6-bay crash cushion can be obtained from the following distributors:

Address	Telephone no.
Traffic Control Service Inc. 8585 Thys Court Sacramento CA 95828	Telephone: (916) 387-9733 Fax: (916) 387-9734
Traffic Control Service Inc. 1818 E. Orangethorpe Fullerton CA 92831-5324	Telephone: (714) 526-9500 Fax: (714) 526-9561

**83-4.06C Construction**

Use personnel trained by the manufacturer to install crash cushion systems.

For each model of crash cushion system being installed, have a copy of the manufacturer's drawings and installation manuals onsite.

Install Type SCI-100GM crash cushion under the manufacturer's installation instructions. Type SCI-100GM crash cushions must not be located over drainage basins, expansion joints, buried conduits, cables or utility lines. Foundations must be a flat surface with longitudinal and cross slopes of 10:1 or less. Concrete foundations must reach full cure strength before use and the surface of the foundation must be cleaned of all debris, dirt, mud, etc. Before installing Type SCI-100GM on an existing foundation, the concrete must be thoroughly inspected for slope, signs or cracking, surface wear, settling, shifting from original position, and other signs of deterioration which may make

the foundation unusable. If any of these signs are evident, the foundation must be removed and a new one must be installed.

Install Type QuadGuard M10, 6-bay crash cushion under the manufacturer's installation instructions. The Type QuadGuard M10, 6-bay must be a Tension Strut Backup or a Concrete Backup. A transition panel or side panel must be used on each side of the backup. Type QuadGuard M10, 6-bay must only be assembled on an existing or freshly placed and cured concrete base and the location and orientation of the concrete base and attenuator must comply with project plans or local highway authority. Concrete anchorage devices used for attaching the crash cushion to the base slab must be limited to those provided by the manufacturer. The concrete anchor slab, including bar reinforcing steel, must comply with Sections 51 and 52.

As each crash cushion system is installed complete the manufacturer's installation checklist and include the following:

1. Contract number
2. Name of installation Contractor
3. Type of crash cushion installed
4. Date of installation
5. Location on the project by post mile, and by station if stationing shown
6. Name and signature of person completing the checklist.

Identify each crash cushion system installed by painting the system type in 2-inch-high, neat, black letters and figures on both sides of the device on the outside of the lower rail panels at the end nearest to a railing, barrier or structure.

Before applying paint, the surface must be free of all dirt, grease, oil, salt, or other contaminants by washing it with detergent or other suitable cleaner. Rinse thoroughly with fresh water and allow to fully dry.

Paint must be metallic acrylic resin type spray paint.

**83-4.06D Payment**  
Not Used

**Item 11: Project Information; Questions and Responses**

Questions and Responses information list is available as a free download at the following County website:

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

This (downloadable) file is provided for reference only. For any discrepancy written on the Questions and Responses, the Contractor shall conform to the contract documents.

The Contractor Questions and Responses are included as Attachment "D".

## **MODIFICATIONS / CLARIFICATIONS TO THE PLANS**

### **Item 12: Plan Sheets (Replacement)**

Refer to following plan sheets. These plan sheets are deleted and replaced with revised sheets as noted below: The revised sheets are attached herewith as **Attachment "E"**:

Plan sheets 5, 6, 15, 16, 30, 33, 34, 37, 52, 58, 127, 128, 191, 193, 271G, 279, 299

### **Item 13: New Plan Sheets**

Following new plan sheets (Landscaping) are being added to plan set and made part thereof. The new sheets are attached herewith as **Attachment "F"**:

Plan Sheets 1 through 9

**Note:** All plan sheets are posted on following website and available for download during the advertisement period.

**<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>**


## **ATTACHMENTS**

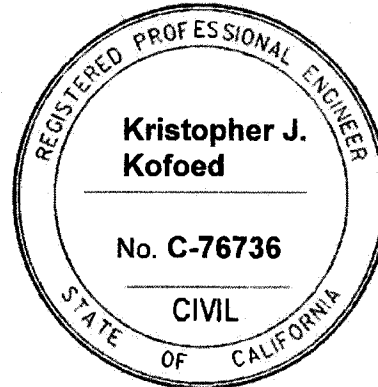
- A – Revised Proposal**
- B – Updated Federal Wages**
- C – Caltrans Encroachment Permit**
- D – Questions and Responses**
- E – Revised Plan Sheets (17 sheets)**
- F – New Plan Sheets (9 sheets)**

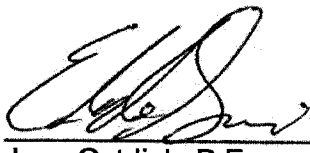
This addendum has been prepared under the direction of the following registered Civil Engineer(s):

  
\_\_\_\_\_  
Mason Hancock, P.E.



  
\_\_\_\_\_  
Kristopher J. Kofoed, P.E.



  
\_\_\_\_\_  
Jose Ostdiek, P.E.

*Edward Simonsen, PE for J.O.*



**Recommended by:**



Scott Staley, PE  
County Project Manager

**Concurrence:**



Khalid Nasim, P.E.  
Engineering Division Manager

**Acknowledged:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
(Contractor)

JRJ:jrj:sb

Note: Refer to Instruction to Bidders Item No. 8, "Addenda". Submission of all addendum pages and non-bidding document attachments of addendum are not necessary for Bid submittal. Submittal of this acknowledgement page is adequate for Bid reception. Bidders are reminded to list addendum number(s) received on the first page of the Bid form (Proposal).

**Avenue 66**  
**At SR-111 and Union Pacific Railroad**  
**Grade Separation Project**  
**Community of Mecca**  
**Project No. B8-0664**  
**Federal Aid No. – PNRSCML-5956(221)**

**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
1	019902	Course of Construction Insurance	LS	1		
2	066020	Relations with Railroad (Including Flagging)	LS	1		
3	066105	Resident Engineers Office	LS	1		
4	070030	Lead Compliance Plan	LS	1		
5	080050	Progress Schedule (Critical Path Method)	LS	1		
6	100100	Develop Water Supply	LS	1		
7	120090	Construction Area Signs	LS	1		
8	120091A	Retroreflective Sheeting (Type XI) For Construction Area Signs	SQFT	302		
9	120100	Traffic Control System	LS	1		
10	120120	Type III Barricade	EA	48		
11	120149	Temporary Pavement Marking (Paint)	SQFT	330		
12	120159	Temporary Traffic Stripe (Paint)	LF	11,700		
13	120165	Channelizer (Surface Mounted)	EA	450		
14	120198	Plastic Traffic Drums	EA	18		
15	120300	Temporary Pavement Marker	EA	420		
16	124000	Tempoary Pedestrian Access Route	LS	1		
17	128652	Portable Changeable Message Sign	LS	1		
18	129000	Temporary Railing (Type K)	LF	5,080		
19	129110A	Temporary Crash Cushion (ABSORB 350)	EA	19		
20	130100	Job Site Management	LS	1		
21	130300	Prepare Storm Water Pollution Prevention Plan	LS	1		
22	130330	Storm Water Annual Report	EA	2		
23	130505	Move-In/Move-Out (Temporary Erosion Control)	EA	12		
24	130520	Temporary Hydraulic Mulch	SQYD	115,000		
25	130610	Temporary Check Dam	LF	1,310		
26	130620	Temporary Drainage Inlet Protection	EA	52		
27	130640	Temporary Fiber Roll	LF	17,100		
28	130710	Temporary Construction Entrance	EA	15		



**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
29	130730	Street Sweeping	LS	1		
30	130900	Temporary Concrete Washout	LS	1		
31	131201	Temporary Creek Diversion Systems	LS	1		
32	141103	Remove Yellow Thermoplastic Traffic Stripe (Hazardous Waste)	LF	3,540		
33	141120	Treated Wood Waste	LB	1,890		
34	142000A	Native American Monitoring	LS	1		
35	160110	Temporary High-Visibility Fence	LF	5,465		
36	170103	Clearing and Grubbing	LS	1		
37	170110A	Remove Tree	EA	121		
38	190101(F)	Roadway Excavation	CY	117,000		
39	192003(F)	Structure Excavation (Bridge)	CY	5,799		
40	192020(F)	Structure Excavation (Type D)	CY	1,350		
41	192025(F)	Structure Excavation (Culvert)	CY	154		
42	193003(F)	Structure Backfill (Bridge)	CY	10,070		
43	193004(F)	Structure Backfill (Culvert)	CY	14		
44	193013(F)	Structure Backfill (Retaining Wall)	CY	526		
45	198010	Imported Borrow	CY	27,500		
46	198050(F)	Embankment	CY	53,400		
47	198215	Subgrade Enhancement Geogrid	SQYD	18,800		
48	_____	ITEM DELETED BY ADDENDUM	_____	_____	_____	_____
49	208610A	12" PVC Pipe-C900 (DR25)	LF	850		
50	210300	Hydromulch	SQFT	466,000		
51	210350	Fiber Rolls	LF	17,900		
52	211111	Permanent Erosion Control Establishment Work	LS	1		
53	250201	Class 2 Aggregate Subbase	CY	4,040		
54	260203	Class 2 Aggregate Base	CY	18,300		
55	377501	Slurry Seal	TON	150		
56	390100	Prime Coat	TON	75		
57	390132	Hot Mix Asphalt (Type A)	TON	25,700		
58	390137	Rubberized Hot Mix Asphalt (Gap Graded)	TON	2,540		
59	394076	Place Hot Mix Asphalt Dike (Type E)	LF	810		
60	394090	Place Hot Mix Asphalt (Miscellaneous Areas)	SQYD	40		

**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
61	397005	Tack Coat	TON	120		
62	398200	Cold Plane Asphalt Concrete Pavement	SQYD	2,680		
63	398300	Remove Base and Surfacing	CY	190		
64	477021(F)	Mechanically Stabilized Embankment, Location A	SQFT	5,314		
65	477022(F)	Mechanically Stabilized Embankment, Location B	SQFT	14,462		
66	477023(F)	Mechanically Stabilized Embankment, Location C	SQFT	11,189		
67	477024(F)	Mechanically Stabilized Embankment, Location D	SQFT	5,314		
68	477025(F)	Mechanically Stabilized Embankment, Location E	SQFT	4,673		
69	490538	Furnish Steel Piling (HP 14 x 117)	LF	27,370		
70	490539	Drive Steel Pile (HP 14 x 117)	EA	532		
71	500001	Prestressing Cast-In-Place Concrete	LS	1		
72	510051(F)	Structural Concrete, Bridge Footing	CY	1,557		
73	510053(F)	Structural Concrete, Bridge	CY	5,730		
74	510054(F)	Structural Concrete, Bridge (Polymer Fiber)	CY	2,035		
75	510060(F)	Structural Concrete, Retaining Wall	CY	311		
76	510072(F)	Structural Concrete, Barrier Slab	CY	1,028		
77	510086(F)	Structural Concrete, Approach Slab (Type N)	CY	420.0		
78	510090(F)	Structural Concrete, Box Culvert	CY	127		
79	510094(F)	Structural Concrete, Drainage Inlet	CY	39		
80	510502(F)	Minor Concrete (Minor Structure)	CY	265		
81	510526(F)	Minor Concrete (Backfill)	CY	560		
82	511035	Architectural Treatment [Silhouette A]	EA	2		
83	511035	Architectural Treatment [Silhouette B]	EA	1		
84	511035	Architectural Treatment [Silhouette C]	EA	1		
85	511035A	Recessed Concrete Logo	EA	4		
86	511035A(F)	Berkely Rib Texture	SQFT	5,304		
87	_____	ITEM DELETED BY ADDENDUM	_____	_____	_____	_____
88	518051(F)	PTFE Spherical Bearing	EA	6		
89	519099	Joint Seal Assembly (MR6")	LF	89		
90	519100	Joint Seal (Type B) (MR 2")	LF	166		
91	519118	Joint Seal Assembly (MR9")	LF	89		
92	520102(F)	Bar Reinforcing Steel (Bridge)	LB	2,015,057		

**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
93	520103(F)	Bar Reinforcing Steel (Retaining Wall)	LB	30,000		
94	520107(F)	Bar Reinforcing Steel (Box Culvert)	LB	45,885		
95	520110(F)	Bar Reinforcing Steel (Epoxy Coated) (Bridge)	LB	12,694		
96	520115(F)	Bar Reinforcing Steel (Galvanized) (Bridge)	LB	8,419		
97	560231A	Mecca Sign Panel	EA	4		
98	568062	Pedestrian Barricade (Type I)	EA	2		
99	582001(F)	Sound Wall (Masonry Block)	SQFT	1,550		
100	582002(F)	Access Gate (Sound Wall)	EA	1		
101	641107	18" Plastic Pipe	LF	1,066		
102	641113	24" Plastic Pipe	LF	158		
103	650026	36" Reinforced Concrete Pipe (Class III)	LF	22		
104	652311	18" Reinforced Concrete Pipe (Class III)	LF	1,276		
105	700617	Drainage Inlet Marker	EA	26		
106	703450	Welded Steel Pipe Casing (Bridge)	LF	174		
107	703450A	18" Welded Steel Pipe (Storm Drain) (Bridge)	LF	216		
108	703451A	Storm Drain Cradle Support	EA	16		
109	703452A	Double Ball Expansion Joint (Storm Drain)	EA	2		
110	703460	24" Welded Steel Pipe Casing [Irrigation]	LF	160		
111	705204	18" Concrete Flared End Section	EA	1		
112	705470A	18" Plastic Flared End Section	EA	6		
113	705471A	24" Plastic Flared End Section	EA	4		
114	710136	Remove Pipe (LF)	LF	911		
115	710150	Remove Inlet	EA	1		
116	721810	Slope Paving (Concrete)	CY	50		
117	723080	Rock Slope Protection (60 lb, Class II, Method B)	CY	6		
118	723095	Rock Slope Protection (20 lb, Class I, Method B)	CY	76		
119	729011	Rock Slope Protection Fabric (Class 8)	SQYD	167		
120	730020	Minor Concrete (Curb)	CY	36		
121	730070	Detectable Warning Surface	SQFT	260		
122	731504	Minor Concrete (Curb and Gutter)	CY	230		
123	731521	Minor Concrete (Sidewalk)	CY	440		
124	731623	Minor Concrete (Curb Ramp)	CY	20		

**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
125	731710	Remove Concrete Curb	LF	290		
126	731780	Remove Concrete Sidewalk	SQYD	620		
127	731840	Remove Concrete (Curb and Gutter)	LF	720		
128	017302	Minor Concrete (Cross Gutter)	CY	44		
129	017312	Minor Concrete (Commercial Driveway)	CY	19		
130	153210	Remove Concrete [Cross Gutter]	SQYD	220		
131	153210	Remove Concrete [Curb Ramp]	SQYD	130		
132	750001(F)	Miscellaneous Iron and Steel	LB	8,796		
133	750010	Manhole Frame and Cover	EA	15		
134	750501(F)	Miscellaneous Metal (Bridge)	LB	1,920		
135	750505(F)	Bridge Deck Drainage System	LB	47,065		
136	037700	8" PVC Pipe-SDR 26	LF	470		
137	719300	Manhole [48"]	EA	1		
138	780433	Paint Curb (2-Coat)	SQFT	200		
139	780440	Prepare and Stain Concrete	SQFT	700		
140	780460(F)	Anti-Graffiti Coating	SQFT	102,310		
141	780500	Parking Bumper (Precast Concrete)	EA	2		
142	782200	Obliterate Surfacing	SQYD	5,370		
143	803020	Remove Fence	LF	1,290		
144	803170	Relocate Fence	LF	150		
145	820250	Remove Roadside Sign	EA	19		
146	820300	Remove Roadside Sign (Strap and Saddle Bracket Method)	EA	1		
147	820610	Relocate Roadside Sign	EA	13		
148	820750	Furnish Single Sheet Aluminum Sign (0.063"-Unframed)	SQFT	280		
149	820760	Furnish Single Sheet Aluminum Sign (0.080"-Unframed)	SQFT	300		
150	820780	Furnish Single Sheet Aluminum Sign (0.063"-Framed)	SQFT	8		
151	820790	Furnish Single Sheet Aluminum Sign (0.080"-Framed)	SQFT	88		
152	820807A	Retroreflective Sheeting (Type XI)	SQFT	548		
153	820840	Roadside Sign - One Post	EA	49		
154	820850	Roadside Sign - Two Post	EA	1		
155	820860	Install Sign (Strap and Saddle Bracket Method)	EA	5		
156	820880	Install Sign (Mast-Arm Hanger Method)	EA	22		

**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
157	832005	Midwest Guardrail System	LF	660		
158	832070	Vegetation Control (Minor Concrete)	SQYD	440		
159	833033(F)	Chain Link Railing (Type 7 Modified)	LF	1,721		
160	833088(F)	Tubular Handrailing	LF	1,669		
161	833141A	Concrete Pedestrian Railing	LF	1,073		
162	839724A(F)	Concrete Barrier (Type 732SW Modified)	LF	1,093		
163	839719A(F)	Concrete Barrier (Type 836 Modified)	LF	1,898		
164	839741A(F)	Concrete Barrier (Type 842 Modified)	LF	1,066		
165	839741A(F)	Concrete Barrier (Type 842)	LF	33		
166	839543	Transition Railing (Type WB-31)	EA	2		
167	_____	<b>ITEM DELETED BY ADDENDUM</b>	_____	_____	_____	_____
168	839584	Alternative In-line Terminal System	EA	4		
169	839752	Remove Guardrail	LF	62		
170	840508	8" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 12'-3')	LF	520		
171	840516	Thermoplastic Pavement Marking (Enhanced Wet Night Visibility)	SQFT	3,910		
172	840617	6" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 6-1)	LF	90		
173	840623	6" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 36-12)	LF	1,002		
174	840651	Painted Stall lines and Pavement Markings	SQFT	840		
175	846007	6" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)	LF	53,665		
176	846008	6" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility) (Broken 8-4)	LF	190		
177	846009	8" Thermoplastic Traffic Stripe (Enhanced Wet Night Visibility)	LF	6,317		
178	846030	Remove Thermoplastic Traffic Stripe	LF	4,630		
179	846035	Remove Thermoplastic Pavement Marking	SQFT	67		
180	846051	12" Rumble Strip (asphalt concrete pavement)	STA	15		
181	810230	Pavement Marker (Retroreflective)	EA	1,790		
182	870400A	Signal and Lighting System (Location 1)	LS	1		
183	870400B	Signal and Lighting System (Location 2)	LS	1		
184	870400C	Signal and Lighting System (Location 3)	LS	1		
185	870200	Lighting System	LS	1		
186	872130	Modifying Existing Electrical System	LS	1		
187	032000	Landscaping & Irrigation	LS	1		
188	760090	Mobilization, Demobilization, and Final Cleanup	LS	1		

**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
188a	511035	Architectural Treatment [Silhouette D]	EA	1		
188b	511035	Architectural Treatment [Silhouette E]	EA	1		
188c	511035	Architectural Treatment [Silhouette F]	EA	1		
188d	511035	Architectural Treatment [Silhouette G]	EA	1		
188e	511035	Architectural Treatment [Silhouette H]	EA	12		
188f	710112	Abandon Manhole	EA	2		
188g	710116A	Abandon Sewer	LF	558		
188h	710164	Remove Sewer Pipe	LF	217		
188i		ITEM DELETED BY ADDENDUM				
188j	510073A	Structural Concrete, Coping	CY	49		
188k	839515A(F)	Picket Railing	LF	669		
188l	200111	Decorative Boulders	EA	97		
188m	206005	Steel Edging	LF	1,110		
188n	200113	Rock Mulch	SF	44,700		
188o	202004	Iron Sulfate	LB	3		
188p	202006	Soil Amendment	CY	2		
188q	202038	Packet Fertilizer	EA	112		
188r	202039	Slow Release Fertilizer	LB	6		
188s	204425	1 1/2" Backflow Preventor Assembly	EA	1		
188t	206562	1" Remote Control Valve	EA	2		
188u	206564	1 1/2" Remote Control Valve	EA	1		
188v	206908	Irrigation controller (Pedestal Mounted)	EA	1		
188w	208442	Flow Sensor	EA	1		
188x	208445	Tree Well Sprinkler Assembly	EA	48		
188y	208574	1 1/2" Gate Valve	EA	1		
188z	208595	1" Plastic Pipe (Schedule 40 ) (Supply Line)	LF	450		
188aa	208596	1 1/4" Plastic Pipe (Schedule 40 ) (Supply Line)	LF	300		
188bb	208597	1 1/2" Plastic Pipe (Schedule 40 ) (Supply Line)	LF	250		
188cc	208649	Quick Coupling Valve	EA	1		
188dd	208683	Ball Valve	EA	2		
188ee	208739	10" Corrugated High Density Polyethylene Pipe Conduit	LF	90		
188ff	839607A	Alternative Crash Cushion	EA	2		

**PROPOSAL (REVISED)**

ITEM No.	ITEM CODE	ITEM	UNIT	ESTIMATED QUANTITY	ITEM PRICE (IN FIGURES)	TOTAL (IN FIGURES)
188gg	198060A	Export	CY	14,300		
188hh	204099	Plant Establishment Work	LS	1		
188ii	192037(F)	Structure Excavation (Retaining Wall)	CY	578		
188jj	032013	Irrigation Water Meter and Electrical Service	LS	1		

**BASE BID**

SUB-TOTAL: \_\_\_\_\_ \$ \_\_\_\_\_  
 ITEMS 1-188jj "WORDS"

**ALTERNATIVE BID SCHEDULE - CVWD DOMESTIC WATER TRANSMISSION MAIN**

189	703450	Welded Steel Pipe Casing (Bridge)	LF	156		
190	703453A	Double Ball Expansion Joint (Waterline)	EA	4		
191	032000	30" Ductile Iron Pipe (Water Main)	LF	2,801		
192	032001	6" Ductile Iron Pipe Water Line	LF	37		
193	032002	30" Welded Steel Pipe (.250" Thick)	LF	1,091		
194	993002	Fire Hydrant	EA	2		
195	032003	4" Air Release and Air/Vacuum Valve	EA	1		
196	032004	6" Temporary Blow-Off	EA	1		
197	760090	Mobilization, Demobilization and Final Clean	LS	1		
198	032004	12" Ductile Iron Pipe Watermain	LF	109		
199	032005	2" Air Release and Air/Vacuum Valve	EA	2		
200	032006	6" Blow-Off	EA	2		
201	032008	30" Butterfly Valve	EA	8		
202	032009	30" Gate Valve	EA	1		
203	032010	6" Gate Valve	EA	1		
204	032011	12" Gate Valve	EA	1		
205	032012	Waterline Reducer (30" to 12")	EA	1		

**ALT. BID SCH. 1**

SUB-TOTAL: \_\_\_\_\_ \$ \_\_\_\_\_  
 ITEMS 189-205 "WORDS"

**PROJECT TOTAL:**

ITEMS 1-205 "WORDS" \_\_\_\_\_ \$ \_\_\_\_\_

## APPENDIX D

### Federal Prevailing Wage Decision

"General Decision Number: CA20190025 11/29/2019

Superseded General Decision Number: CA20180036

State: California

Construction Types: Building, Heavy (Heavy and Dredging) and Highway

County: Riverside County in California.

BUILDING CONSTRUCTION PROJECTS; DREDGING PROJECTS (does not include hopper dredge work); HEAVY CONSTRUCTION PROJECTS (does not include water well drilling); HIGHWAY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.60 for calendar year 2019 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.60 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2019. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Modification Number	Publication Date
0	01/04/2019
1	02/01/2019
2	02/15/2019
3	05/03/2019
4	07/26/2019
5	11/08/2019
6	11/15/2019
7	11/29/2019

ASBE0005-002 07/01/2019

	Rates	Fringes
Asbestos Workers/Insulator (Includes the application of all insulating materials, protective coverings, coatings, and finishes to all types of mechanical systems).....	\$ 43.77	22.48
Fire Stop Technician (Application of Firestopping Materials for wall openings and penetrations in walls, floors, ceilings and curtain		



walls).....\$ 27.92 18.31

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ASBE0005-004 07/01/2019

	Rates	Fringes
Asbestos Removal worker/hazardous material handler (Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials from mechanical systems, whether they contain asbestos or not).....	\$ 20.63	12.17

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BOIL0092-003 03/01/2018

	Rates	Fringes
BOILERMAKER.....	\$ 44.07	33.52

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\* BRCA0004-011 05/01/2018

	Rates	Fringes
BRICKLAYER; MARBLE SETTER.....	\$ 40.39	13.65

\*The wage scale for prevailing wage projects performed in Blythe, China lake,, Death Valley, Fort Irwin, Twenty-Nine Palms, Needles and 1-15 corridor (Barstow to the Nevada State Line) will be Three Dollars (\$3.00) above the standard San Bernardino/Riverside County hourly wage rate

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\* BRCA0018-004 06/01/2019

	Rates	Fringes
MARBLE FINISHER.....	\$ 33.43	14.11
TILE FINISHER.....	\$ 28.23	12.65
TILE LAYER.....	\$ 40.07	18.36

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\* BRCA0018-010 09/01/2018

	Rates	Fringes
TERRAZZO FINISHER.....	\$ 31.25	13.41
TERRAZZO WORKER/SETTER.....	\$ 38.39	14.18

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CARP0409-001 07/01/2018

	Rates	Fringes
CARPENTER (1) Carpenter, Cabinet Installer, Insulation Installer, Hardwood Floor Worker and acoustical installer.....	\$ 41.84	19.17
(2) Millwright.....	\$ 42.91	19.17
(3) Piledrivermen/Derrick		

Bargeman, Bridge or Dock Carpenter, Heavy Framer, Rock Bargeman or Scowman, Rockslinger, Shingler (Commercial).....	\$ 42.54	19.17
(4) Pneumatic Nailer, Power Stapler.....	\$ 40.09	19.17
(5) Sawfiler.....	\$ 39.83	19.17
(6) Scaffold Builder.....	\$ 31.60	19.17
(7) Table Power Saw Operator.....	\$ 40.93	19.17

FOOTNOTE: Work of forming in the construction of open cut sewers or storm drains, on operations in which horizontal lagging is used in conjunction with steel H-Beams driven or placed in pre- drilled holes, for that portion of a lagged trench against which concrete is poured, namely, as a substitute for back forms (which work is performed by piledrivers): \$0.13 per hour additional.

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CARP0409-002 07/01/2016

	Rates	Fringes
Diver		
(1) Wet.....	\$ 712.48	17.03
(2) Standby.....	\$ 356.24	17.03
(3) Tender.....	\$ 348.24	17.03
(4) Assistant Tender.....	\$ 324.24	17.03

Amounts in "'Rates' column are per day

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CARP0409-005 07/01/2015

	Rates	Fringes
Drywall		
DRYWALL INSTALLER/LATHER....	\$ 37.35	11.08
STOCKER/SCRAPPER.....	\$ 10.00	7.17

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CARP0409-008 08/01/2010

	Rates	Fringes
Modular Furniture Installer.....	\$ 17.00	7.41

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ELEC0440-001 12/31/2018

	Rates	Fringes
ELECTRICIAN		
INSIDE ELECTRICIAN.....	\$ 40.89	24.16
INTELLIGENT TRANSPORTATION SYSTEMS		
Electrician.....	\$ 36.99	3%+23.18
Technician.....	\$ 27.75	3%+23.18

ZONE PAY: Zone A: Free travel zone for all contractors performing work in Zone A.  
Zone B: Any work performed in Zone (B) shall add \$12.00 per hour to the current wage scale. Zone (B) shall be the area from the eastern perimeter of Zone (A) to a line which runs north and south beginning at Little Morongo Canyon (San Bernardino/Riverside County Line), Southeast along the Coachella Tunnels, Colorado River Aqueduct and Mecca Tunnels to Pinkham Wash then South to Box Canyon Road,

then southwest along Box Canyon Road to Highway 195 west onto 195 south to Highway 86 to Riverside/Imperial County Line.

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 ELEC1245-001 01/01/2019

	Rates	Fringes
LINE CONSTRUCTION		
(1) Lineman; Cable splicer..	\$ 56.79	17.41
(2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment).....	\$ 45.36	16.24
(3) Groundman.....	\$ 34.68	15.86
(4) Powderman.....	\$ 49.55	3%+17.65

HOLIDAYS: New Year's Day, M.L. King Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and day after Thanksgiving, Christmas Day

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 ELEV0018-001 01/01/2019

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 55.58	34.125

FOOTNOTE:

PAID VACATION: Employer contributes 8% of regular hourly rate as vacation pay credit for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.

PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

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 ENGI0012-003 07/01/2018

	Rates	Fringes
OPERATOR: Power Equipment (All Other Work)		
GROUP 1.....	\$ 45.30	25.25
GROUP 2.....	\$ 46.08	25.25
GROUP 3.....	\$ 46.37	25.25
GROUP 4.....	\$ 47.86	25.25
GROUP 5.....	\$ 48.96	25.25
GROUP 6.....	\$ 48.08	25.25
GROUP 8.....	\$ 48.19	25.25
GROUP 9.....	\$ 49.29	25.25
GROUP 10.....	\$ 48.31	25.25
GROUP 11.....	\$ 49.41	25.25
GROUP 12.....	\$ 48.48	25.25
GROUP 13.....	\$ 48.58	25.25
GROUP 14.....	\$ 48.61	25.25
GROUP 15.....	\$ 48.69	25.25
GROUP 16.....	\$ 48.81	25.25
GROUP 17.....	\$ 48.98	25.25
GROUP 18.....	\$ 49.08	25.25

GROUP 19.....	\$ 49.19	25.25
GROUP 20.....	\$ 49.31	25.25
GROUP 21.....	\$ 49.48	25.25
GROUP 22.....	\$ 49.58	25.25
GROUP 23.....	\$ 49.69	25.25
GROUP 24.....	\$ 49.81	25.25
GROUP 25.....	\$ 49.98	25.25
OPERATOR: Power Equipment (Cranes, Piledriving & Hoisting)		
GROUP 1.....	\$ 46.65	25.25
GROUP 2.....	\$ 47.43	25.25
GROUP 3.....	\$ 47.72	25.25
GROUP 4.....	\$ 47.86	25.25
GROUP 5.....	\$ 48.08	25.25
GROUP 6.....	\$ 48.19	25.25
GROUP 7.....	\$ 48.31	25.25
GROUP 8.....	\$ 48.48	25.25
GROUP 9.....	\$ 48.65	25.25
GROUP 10.....	\$ 49.65	25.25
GROUP 11.....	\$ 50.65	25.25
GROUP 12.....	\$ 51.65	25.25
GROUP 13.....	\$ 52.65	25.25
OPERATOR: Power Equipment (Tunnel Work)		
GROUP 1.....	\$ 47.15	25.25
GROUP 2.....	\$ 47.93	25.25
GROUP 3.....	\$ 48.22	25.25
GROUP 4.....	\$ 48.39	25.25
GROUP 5.....	\$ 48.58	25.25
GROUP 6.....	\$ 48.69	25.25
GROUP 7.....	\$ 48.81	25.25

## PREMIUM PAY:

\$3.75 per hour shall be paid on all Power Equipment Operator work on the following Military Bases: China Lake Naval Reserve, Vandenberg AFB, Point Arguello, Seely Naval Base, Fort Irwin, Nebo Annex Marine Base, Marine Corp Logistics Base Yermo, Edwards AFB, 29 Palms Marine Base and Camp Pendleton

Workers required to suit up and work in a hazardous material environment: \$2.00 per hour additional. Combination mixer and compressor operator on gunite work shall be classified as a concrete mobile mixer operator.

SEE ZONE DEFINITIONS AFTER CLASSIFICATIONS

## POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bargeman; Brakeman; Compressor operator; Ditch Witch, with seat or similar type equipment; Elevator operator-inside; Engineer Oiler; Forklift operator (includes loed, lull or similar types under 5 tons; Generator operator; Generator, pump or compressor plant operator; Pump operator; Signalman; Switchman

GROUP 2: Asphalt-rubber plant operator (nurse tank operator); Concrete mixer operator-skip type; Conveyor operator; Fireman; Forklift operator (includes loed, lull or similar types over 5 tons; Hydrostatic pump operator; oiler crusher (asphalt or concrete plant); Petromat laydown machine; PJU side dum jack; Screening and conveyor machine operator (or similar types); Skiploader (wheel type up to 3/4 yd. without attachment); Tar pot fireman; Temporary heating plant operator; Trenching machine oiler

GROUP 3: Asphalt-rubber blend operator; Bobcat or similar type (Skid steer); Equipment greaser (rack); Ford Ferguson (with dragtype attachments); Helicopter radioman (ground); Stationary pipe wrapping and cleaning machine operator

GROUP 4: Asphalt plant fireman; Backhoe operator (mini-max or similar type); Boring machine operator; Boxman or mixerman (asphalt or concrete); Chip spreading machine operator; Concrete cleaning decontamination machine operator; Concrete Pump Operator (small portable); Drilling machine operator, small auger types (Texoma super economic or similar types - Hughes 100 or 200 or similar types - drilling depth of 30' maximum); Equipment greaser (grease truck); Guard rail post driver operator; Highline cableway signalman; Hydra-hammer-aero stomper; Micro Tunneling (above ground tunnel); Power concrete curing machine operator; Power concrete saw operator; Power-driven jumbo form setter operator; Power sweeper operator; Rock Wheel Saw/Trencher; Roller operator (compacting); Screed operator (asphalt or concrete); Trenching machine operator (up to 6 ft.); Vacuum or much truck

GROUP 5: Equipment Greaser (Grease Truck/Multi Shift).

GROUP 6: Articulating material hauler; Asphalt plant engineer; Batch plant operator; Bit sharpener; Concrete joint machine operator (canal and similar type); Concrete planer operator; Dandy digger; Deck engine operator; Derrickman (oilfield type); Drilling machine operator, bucket or auger types (Calweld 100 bucket or similar types - Watson 1000 auger or similar types - Texoma 330, 500 or 600 auger or similar types - drilling depth of 45' maximum); Drilling machine operator; Hydrographic seeder machine operator (straw, pulp or seed), Jackson track maintainer, or similar type; Kalamazoo Switch tamper, or similar type; Machine tool operator; Maginnis internal full slab vibrator, Mechanical berm, curb or gutter (concrete or asphalt); Mechanical finisher operator (concrete, Clary-Johnson-Bidwell or similar); Micro tunnel system (below ground); Pavement breaker operator (truck mounted); Road oil mixing machine operator; Roller operator (asphalt or finish), rubber-tired earth moving equipment (single engine, up to and including 25 yds. struck); Self-propelled tar pipelining machine operator; Skiploader operator (crawler and wheel type, over 3/4 yd. and up to and including 1-1/2 yds.); Slip form pump operator (power driven hydraulic lifting device for concrete forms); Tractor operator-bulldozer, tamper-scraper (single engine, up to 100 h.p. flywheel and similar types, up to and including D-5 and similar types); Tugger hoist operator (1 drum); Ultra high pressure waterjet cutting tool system operator; Vacuum blasting machine operator

GROUP 8: Asphalt or concrete spreading operator (tamping or finishing); Asphalt paving machine operator (Barber Greene or similar type); Asphalt-rubber distribution operator; Backhoe operator (up to and including 3/4 yd.), small ford, Case or similar; Cast-in-place pipe laying machine operator; Combination mixer and compressor operator (guniting work); Compactor operator (self-propelled); Concrete mixer operator (paving); Crushing plant operator; Drill Doctor; Drilling machine operator, Bucket or auger types (Calweld 150 bucket or similar types - Watson 1500, 2000 2500 auger or similar types - Texoma 700, 800 auger or similar types - drilling depth of 60' maximum); Elevating grader operator; Grade checker; Gradall operator; Grouting machine operator; Heavy-duty repairman; Heavy equipment robotics operator; Kalamazoo balliste regulator or similar type; Kolman belt loader and similar type; Le Tourneau blob compactor or similar type; Loader operator (Athey, Euclid, Sierra and similar types); Mobark Chipper or similar; Ozzie padder or similar types; P.C. slot saw; Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pumpcrete gun operator; Rock Drill or similar types; Rotary drill operator (excluding caisson type); Rubber-tired earth-moving equipment operator (single engine, caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. up to and including 50 cu. yds. struck); Rubber-tired earth-moving equipment operator (multiple engine up to and including 25 yds. struck); Rubber-tired scraper operator (self-loading paddle wheel type-John Deere, 1040 and similar single unit); Self-propelled curb and gutter machine operator; Shuttle buggy; Skiploader operator (crawler and wheel type over 1-1/2 yds. up to and including 6-1/2 yds.); Soil remediation plant operator; Surface

heaters and planer operator; Tractor compressor drill combination operator; Tractor operator (any type larger than D-5 - 100 flywheel h.p. and over, or similar-bulldozer, tamper, scraper and push tractor single engine); Tractor operator (boom attachments), Traveling pipe wrapping, cleaning and bending machine operator; Trenching machine operator (over 6 ft. depth capacity, manufacturer's rating); trenching Machine with Road Miner attachment (over 6 ft depth capacity): Ultra high pressure waterjet cutting tool system mechanic; Water pull (compaction) operator

GROUP 9: Heavy Duty Repairman

GROUP 10: Drilling machine operator, Bucket or auger types (Calweld 200 B bucket or similar types-Watson 3000 or 5000 auger or similar types-Texoma 900 auger or similar types-drilling depth of 105' maximum); Dual drum mixer, dynamic compactor LDC350 (or similar types); Monorail locomotive operator (diesel, gas or electric); Motor patrol-blade operator (single engine); Multiple engine tractor operator (Euclid and similar type-except Quad 9 cat.); Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Pneumatic pipe ramming tool and similar types; Prestressed wrapping machine operator; Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Rubber tired earth moving equipment operator (multiple engine, Euclid, caterpillar and similar over 25 yds. and up to 50 yds. struck), Tower crane repairman; Tractor loader operator (crawler and wheel type over 6-1/2 yds.); Woods mixer operator (and similar Pugmill equipment)

GROUP 11: Heavy Duty Repairman - Welder Combination, Welder - Certified.

GROUP 12: Auto grader operator; Automatic slip form operator; Drilling machine operator, bucket or auger types (Calweld, auger 200 CA or similar types - Watson, auger 6000 or similar types - Hughes Super Duty, auger 200 or similar types - drilling depth of 175' maximum); Hoe ram or similar with compressor; Mass excavator operator less than 750 cu. yards; Mechanical finishing machine operator; Mobile form traveler operator; Motor patrol operator (multi-engine); Pipe mobile machine operator; Rubber-tired earth-moving equipment operator (multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck); Rubber-tired self-loading scraper operator (paddle-wheel-auger type self-loading - two (2) or more units)

GROUP 13: Rubber-tired earth-moving equipment operator operating equipment with push-pull system (single engine, up to and including 25 yds. struck)

GROUP 14: Canal liner operator; Canal trimmer operator; Remote-control earth-moving equipment operator (operating a second piece of equipment: \$1.00 per hour additional); Wheel excavator operator (over 750 cu. yds.)

GROUP 15: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine-up to and including 25 yds. struck)

GROUP 16: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 17: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine, Euclid, Caterpillar and similar, over 50 cu. yds. struck); Tandem tractor operator (operating crawler type tractors in tandem - Quad 9 and similar type)

GROUP 18: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, up to and including 25 yds. struck)

GROUP 19: Rotex concrete belt operator (or similar types); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 cu. yds. struck); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - multiple engine, up to and including 25 yds. struck)

GROUP 20: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps, and similar types in any combination, excluding compaction units - multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 21: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck)

GROUP 22: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, up to and including 25 yds. struck)

GROUP 23: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 yds. struck); Rubber-tired earth-moving equipment operator, operating with the tandem push-pull system (multiple engine, up to and including 25 yds. struck)

GROUP 24: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 25: Concrete pump operator-truck mounted; Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck)

#### CRANES, PILEDIVING AND HOISTING EQUIPMENT CLASSIFICATIONS

GROUP 1: Engineer oiler; Fork lift operator (includes loed, lull or similar types)

GROUP 2: Truck crane oiler

GROUP 3: A-frame or winch truck operator; Ross carrier operator (jobsite)

GROUP 4: Bridge-type unloader and turntable operator; Helicopter hoist operator

GROUP 5: Hydraulic boom truck; Stinger crane (Austin-Western or similar type); Tugger hoist operator (1 drum)

GROUP 6: Bridge crane operator; Cretor crane operator; Hoist operator (Chicago boom and similar type); Lift mobile operator; Lift slab machine operator (Vagtborg and similar types); Material hoist and/or manlift operator; Polar gantry crane operator; Self Climbing scaffold (or similar type); Shovel, backhoe, dragline, clamshell operator (over 3/4 yd. and up to 5 cu. yds. mrc); Tugger hoist operator

GROUP 7: Pedestal crane operator; Shovel, backhoe, dragline, clamshell operator (over 5 cu. yds. mrc); Tower crane repair; Tugger hoist operator (3 drum)

GROUP 8: Crane operator (up to and including 25 ton capacity); Crawler transporter operator; Derrick barge operator (up to and including 25 ton capacity); Hoist operator, stiff legs, Guy derrick or similar type (up to and including 25 ton capacity); Shovel, backhoe, dragline, clamshell operator (over 7 cu. yds., M.R.C.)

GROUP 9: Crane operator (over 25 tons and up to and including 50 tons mrc); Derrick barge operator (over 25 tons up to and including 50 tons mrc); Highline cableway operator; Hoist operator, stiff legs, Guy derrick or similar type (over 25 tons up to and including 50 tons mrc); K-crane operator; Polar crane operator; Self erecting tower crane operator maximum lifting capacity ten tons

GROUP 10: Crane operator (over 50 tons and up to and including 100 tons mrc); Derrick barge operator (over 50 tons up to and including 100 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 50 tons up to and including 100 tons mrc), Mobile tower crane operator (over 50 tons, up to and including 100 tons M.R.C.); Tower crane operator and tower gantry

GROUP 11: Crane operator (over 100 tons and up to and including 200 tons mrc); Derrick barge operator (over 100 tons up to and including 200 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 100 tons up to and including 200 tons mrc); Mobile tower crane operator (over 100 tons up to and including 200 tons mrc)

GROUP 12: Crane operator (over 200 tons up to and including 300 tons mrc); Derrick barge operator (over 200 tons up to and including 300 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 200 tons, up to and including 300 tons mrc); Mobile tower crane operator (over 200 tons, up to and including 300 tons mrc)

GROUP 13: Crane operator (over 300 tons); Derrick barge operator (over 300 tons); Helicopter pilot; Hoist operator, stiff legs, Guy derrick or similar type (over 300 tons); Mobile tower crane operator (over 300 tons)

#### TUNNEL CLASSIFICATIONS

GROUP 1: Skiploader (wheel type up to 3/4 yd. without attachment)

GROUP 2: Power-driven jumbo form setter operator

GROUP 3: Dinkey locomotive or motorperson (up to and including 10 tons)

GROUP 4: Bit sharpener; Equipment greaser (grease truck); Slip form pump operator (power-driven hydraulic lifting device for concrete forms); Tugger hoist operator (1 drum); Tunnel locomotive operator (over 10 and up to and including 30 tons)

GROUP 5: Backhoe operator (up to and including 3/4 yd.); Small Ford, Case or similar; Drill doctor; Grouting machine operator; Heading shield operator; Heavy-duty repairperson; Loader operator (Athey, Euclid, Sierra and similar types); Mucking machine operator (1/4 yd., rubber-tired, rail or track type); Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pneumatic heading shield (tunnel); Pumpcrete gun operator; Tractor compressor drill combination operator; Tugger hoist operator (2 drum); Tunnel locomotive operator (over 30 tons)

GROUP 6: Heavy Duty Repairman

GROUP 7: Tunnel mole boring machine operator

#### ENGINEERS ZONES



\$1.00 additional per hour for all of IMPERIAL County and the portions of KERN, RIVERSIDE & SAN BERNARDINO Counties as defined below:

That area within the following Boundary: Begin in San Bernardino County, approximately 3 miles NE of the intersection of I-15 and the California State line at that point which is the NW corner of Section 1, T17N, R14E, San Bernardino Meridian. Continue W in a straight line to that point which is the SW corner of the northwest quarter of Section 6, T27S, R42E, Mt. Diablo Meridian. Continue North to the intersection with the Inyo County Boundary at that point which is the NE corner of the western half of the northern quarter of Section 6, T25S, R42E, MDM. Continue W along the Inyo and San Bernardino County boundary until the intersection with Kern County, as that point which is the SE corner of Section 34, T24S, R40E, MDM. Continue W along the Inyo and Kern County boundary until the intersection with Tulare County, at that point which is the SW corner of the SE quarter of Section 32, T24S, R37E, MDM. Continue W along the Kern and Tulare County boundary, until that point which is the NW corner of T25S, R32E, MDM. Continue S following R32E lines to the NW corner of T31S, R32E, MDM. Continue W to the NW corner of T31S, R31E, MDM. Continue S to the SW corner of T32S, R31E, MDM. Continue W to SW corner of SE quarter of Section 34, T32S, R30E, MDM. Continue S to SW corner of T11N, R17W, SBM. Continue E along south boundary of T11N, SBM to SW corner of T11N, R7W, SBM. Continue S to SW corner of T9N, R7W, SBM. Continue E along south boundary of T9N, SBM to SW corner of T9N, R1E, SBM. Continue S along west boundary of R1E, SBM to Riverside County line at the SW corner of T1S, R1E, SBM. Continue E along south boundary of T1S, SBM (Riverside County Line) to SW corner of T1S, R10E, SBM. Continue S along west boundary of R10E, SBM to Imperial County line at the SW corner of T8S, R10E, SBM. Continue W along Imperial and Riverside county line to NW corner of T9S, R9E, SBM. Continue S along the boundary between Imperial and San Diego Counties, along the west edge of R9E, SBM to the south boundary of Imperial County/California state line. Follow the California state line west to Arizona state line, then north to Nevada state line, then continuing NW back to start at the point which is the NW corner of Section 1, T17N, R14E, SBM

\$1.00 additional per hour for portions of SAN LUIS OBISPO, KERN, SANTA BARBARA & VENTURA as defined below:

That area within the following Boundary: Begin approximately 5 miles north of the community of Cholame, on the Monterey County and San Luis Obispo County boundary at the NW corner of T25S, R16E, Mt. Diablo Meridian. Continue south along the west side of R16E to the SW corner of T30S, R16E, MDM. Continue E to SW corner of T30S, R17E, MDM. Continue S to SW corner of T31S, R17E, MDM. Continue E to SW corner of T31S, R18E, MDM. Continue S along West side of R18E, MDM as it crosses into San Bernardino Meridian numbering area and becomes R30W. Follow the west side of R30W, SBM to the SW corner of T9N, R30W, SBM. Continue E along the south edge of T9N, SBM to the Santa Barbara County and Ventura County boundary at that point which is the SW corner of Section 34. T9N, R24W, SBM, continue S along the Ventura County line to that point which is the SW corner of the SE quarter of Section 32, T7N, R24W, SBM. Continue E along the south edge of T7N, SBM to the SE corner to T7N, R21W, SBM. Continue N along East side of R21W, SBM to Ventura County and Kern County boundary at the NE corner of T8N, R21W. Continue W along the Ventura County and Kern County boundary to the SE corner of T9N, R21W. Continue North along the East edge of R21W, SBM to the NE corner of T12N, R21W, SBM. Continue West along the north edge of T12N, SBM to the SE corner of T32S, R21E, MDM. [T12N SBM is a thin strip between T11N SBM and T32S MDM]. Continue North along the East side of R21E, MDM to the Kings County and Kern County border at the NE corner of T25S, R21E, MDM, continue West along the Kings County and Kern County Boundary until the intersection of San Luis Obispo County. Continue west along the Kings County and San Luis Obispo County boundary until the intersection with Monterey County. Continue West along the Monterey County and San Luis Obispo County boundary to the beginning point at the NW corner of T25S, R16E, MDM.

\$2.00 additional per hour for INYO and MONO Counties and the Northern portion of SAN BERNARDINO County as defined below:

That area within the following Boundary: Begin at the intersection of the northern boundary of Mono County and the California state line at the point which is the center of Section 17, T10N, R22E, Mt. Diablo Meridian. Continue S then SE along the entire western boundary of Mono County, until it reaches Inyo County at the point which is the NE corner of the Western half of the NW quarter of Section 2, T8S, R29E, MDM. Continue SSE along the entire western boundary of Inyo County, until the intersection with Kern County at the point which is the SW corner of the SE 1/4 of Section 32, T24S, R37E, MDM. Continue E along the Inyo and Kern County boundary until the intersection with San Bernardino County at that point which is the SE corner of section 34, T24S, R40E, MDM. Continue E along the Inyo and San Bernardino County boundary until the point which is the NE corner of the Western half of the NW quarter of Section 6, T25S, R42E, MDM. Continue S to that point which is the SW corner of the NW quarter of Section 6, T27S, R42E, MDM. Continue E in a straight line to the California and Nevada state border at the point which is the NW corner of Section 1, T17N, R14E, San Bernardino Meridian. Then continue NW along the state line to the starting point, which is the center of Section 18, T10N, R22E, MDM.

REMAINING AREA NOT DEFINED ABOVE RECIEVES BASE RATE

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ENGI0012-004 08/01/2015

	Rates	Fringes
OPERATOR: Power Equipment		
(DREDGING)		
(1) Leverman.....	\$ 49.50	23.60
(2) Dredge dozer.....	\$ 43.53	23.60
(3) Deckmate.....	\$ 43.42	23.60
(4) Winch operator (stern winch on dredge).....	\$ 42.87	23.60
(5) Fireman-Oiler, Deckhand, Bargeman, Leveehand.....	\$ 42.33	23.60
(6) Barge Mate.....	\$ 42.94	23.60

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IRON0377-002 01/01/2019

	Rates	Fringes
Ironworkers:		
Fence Erector.....	\$ 32.58	23.41
Ornamental, Reinforcing and Structural.....	\$ 39.00	32.05

PREMIUM PAY:

\$6.00 additional per hour at the following locations:

China Lake Naval Test Station, Chocolate Mountains Naval Reserve-Niland, Edwards AFB, Fort Irwin Military Station, Fort Irwin Training Center-Goldstone, San Clemente Island, San Nicholas Island, Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg AFB

\$4.00 additional per hour at the following locations:

Army Defense Language Institute - Monterey, Fallon Air Base, Naval Post Graduate School - Monterey, Yermo Marine Corps Logistics Center

\$2.00 additional per hour at the following locations:

Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock

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LABO0300-005 01/01/2018

	Rates	Fringes
Asbestos Removal Laborer.....	\$ 33.19	17.78

SCOPE OF WORK: Includes site mobilization, initial site cleanup, site preparation, removal of asbestos-containing material and toxic waste, encapsulation, enclosure and disposal of asbestos-containing materials and toxic waste by hand or with equipment or machinery; scaffolding, fabrication of temporary wooden barriers and assembly of decontamination stations.

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LABO0345-001 07/01/2018

	Rates	Fringes
LABORER (GUNITE)		
GROUP 1.....	\$ 42.18	18.27
GROUP 2.....	\$ 41.23	18.27
GROUP 3.....	\$ 37.69	18.27

FOOTNOTE: GUNITE PREMIUM PAY: Workers working from a Bosn'n's Chair or suspended from a rope or cable shall receive 40 cents per hour above the foregoing applicable classification rates. Workers doing gunite and/or shotcrete work in a tunnel shall receive 35 cents per hour above the foregoing applicable classification rates, paid on a portal-to-portal basis. Any work performed on, in or above any smoke stack, silo, storage elevator or similar type of structure, when such structure is in excess of 75'-0" above base level and which work must be performed in whole or in part more than 75'-0" above base level, that work performed above the 75'-0" level shall be compensated for at 35 cents per hour above the applicable classification wage rate.

GUNITE LABORER CLASSIFICATIONS

- GROUP 1: Rodmen, Nozzlemen
- GROUP 2: Gunmen
- GROUP 3: Reboundmen

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LABO1184-001 07/01/2019

	Rates	Fringes
Laborers: (HORIZONTAL DIRECTIONAL DRILLING)		
(1) Drilling Crew Laborer...	\$ 36.70	15.05
(2) Vehicle Operator/Hauler.	\$ 36.87	15.05
(3) Horizontal Directional Drill Operator.....	\$ 38.72	15.05
(4) Electronic Tracking Locator.....	\$ 40.72	15.05
Laborers: (STRIPING/SLURRY SEAL)		

GROUP 1.....	\$ 37.91	18.06
GROUP 2.....	\$ 39.21	18.06
GROUP 3.....	\$ 41.22	18.06
GROUP 4.....	\$ 42.96	18.06

LABORERS - STRIPING CLASSIFICATIONS

GROUP 1: Protective coating, pavement sealing, including repair and filling of cracks by any method on any surface in parking lots, game courts and playgrounds; carstops; operation of all related machinery and equipment; equipment repair technician

GROUP 2: Traffic surface abrasive blaster; pot tender - removal of all traffic lines and markings by any method (sandblasting, waterblasting, grinding, etc.) and preparation of surface for coatings. Traffic control person: controlling and directing traffic through both conventional and moving lane closures; operation of all related machinery and equipment

GROUP 3: Traffic delineating device applicator: Layout and application of pavement markers, delineating signs, rumble and traffic bars, adhesives, guide markers, other traffic delineating devices including traffic control. This category includes all traffic related surface preparation (sandblasting, waterblasting, grinding) as part of the application process. Traffic protective delineating system installer: removes, relocates, installs, permanently affixed roadside and parking delineation barricades, fencing, cable anchor, guard rail, reference signs, monument markers; operation of all related machinery and equipment; power broom sweeper

GROUP 4: Striper: layout and application of traffic stripes and markings; hot thermo plastic; tape traffic stripes and markings, including traffic control; operation of all related machinery and equipment

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LABO1184-002 07/01/2019

	Rates	Fringes
LABORER (TUNNEL)		
GROUP 1.....	\$ 41.29	20.09
GROUP 2.....	\$ 41.61	20.09
GROUP 3.....	\$ 42.07	20.09
GROUP 4.....	\$ 42.76	20.09
LABORER		
GROUP 1.....	\$ 35.24	20.09
GROUP 2.....	\$ 35.79	20.09
GROUP 3.....	\$ 36.34	20.09
GROUP 4.....	\$ 37.89	20.09
GROUP 5.....	\$ 38.24	20.09

LABORER CLASSIFICATIONS

GROUP 1: Cleaning and handling of panel forms; Concrete screeding for rough strike-off; Concrete, water curing; Demolition laborer, the cleaning of brick if performed by a worker performing any other phase of demolition work, and the cleaning of lumber; Fire watcher, limber, brush loader, piler and debris handler; Flag person; Gas, oil and/or water pipeline laborer; Laborer, asphalt-rubber material loader; Laborer, general or construction; Laborer, general clean-up; Laborer, landscaping; Laborer, jetting; Laborer, temporary water and air lines; Material hose operator (walls, slabs, floors and decks); Plugging, filling of shee bolt holes; Dry packing of concrete; Railroad maintenance, repair track person and road beds; Streetcar and railroad construction track laborers; Rigging and signaling; Scaler; Slip form raiser; Tar and mortar; Tool crib or tool house

laborer; Traffic control by any method; Window cleaner; Wire mesh pulling - all concrete pouring operations

GROUP 2: Asphalt shoveler; Cement dumper (on 1 yd. or larger mixer and handling bulk cement); Cesspool digger and installer; Chucktender; Chute handler, pouring concrete, the handling of the chute from readymix trucks, such as walls, slabs, decks, floors, foundation, footings, curbs, gutters and sidewalks; Concrete curer, impervious membrane and form oiler; Cutting torch operator (demolition); Fine grader, highways and street paving, airport, runways and similar type heavy construction; Gas, oil and/or water pipeline wrapper - pot tender and form person; Guinea chaser; Headerboard person - asphalt; Laborer, packing rod steel and pans; Membrane vapor barrier installer; Power broom sweeper (small); Riprap stonepaver, placing stone or wet sacked concrete; Roto scraper and tiller; Sandblaster (pot tender); Septic tank digger and installer(lead); Tank scaler and cleaner; Tree climber, faller, chain saw operator, Pittsburgh chipper and similar type brush shredder; Underground laborer, including caisson bellower

GROUP 3: Buggymobile person; Concrete cutting torch; Concrete pile cutter; Driller, jackhammer, 2-1/2 ft. drill steel or longer; Dri-pak-it machine; Gas, oil and/or water pipeline wrapper, 6-in. pipe and over, by any method, inside and out; High scaler (including drilling of same); Hydro seeder and similar type; Impact wrench multi-plate; Kettle person, pot person and workers applying asphalt, lay-kold, creosote, lime caustic and similar type materials ("applying" means applying, dipping, brushing or handling of such materials for pipe wrapping and waterproofing); Operator of pneumatic, gas, electric tools, vibrating machine, pavement breaker, air blasting, come-alongs, and similar mechanical tools not separately classified herein; Pipelayer's backup person, coating, grouting, making of joints, sealing, caulking, diapering and including rubber gasket joints, pointing and any and all other services; Rock slinger; Rotary scarifier or multiple head concrete chipping scarifier; Steel headerboard and guideline setter; Tamper, Barko, Wacker and similar type; Trenching machine, hand-propelled

GROUP 4: Asphalt raker, lute person, ironer, asphalt dump person, and asphalt spreader boxes (all types); Concrete core cutter (walls, floors or ceilings), grinder or sander; Concrete saw person, cutting walls or flat work, scoring old or new concrete; Cribber, shorer, lagging, sheeting and trench bracing, hand-guided lagging hammer; Head rock slinger; Laborer, asphalt- rubber distributor boot person; Laser beam in connection with laborers' work; Oversize concrete vibrator operator, 70 lbs. and over; Pipelayer performing all services in the laying and installation of pipe from the point of receiving pipe in the ditch until completion of operation, including any and all forms of tubular material, whether pipe, metallic or non-metallic, conduit and any other stationary type of tubular device used for the conveying of any substance or element, whether water, sewage, solid gas, air, or other product whatsoever and without regard to the nature of material from which the tubular material is fabricated; No-joint pipe and stripping of same; Prefabricated manhole installer; Sandblaster (nozzle person), water blasting, Porta Shot-Blast

GROUP 5: Blaster powder, all work of loading holes, placing and blasting of all powder and explosives of whatever type, regardless of method used for such loading and placing; Driller: All power drills, excluding jackhammer, whether core, diamond, wagon, track, multiple unit, and any and all other types of mechanical drills without regard to the form of motive power; Toxic waste removal

#### TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Batch plant laborer; Changehouse person; Dump person; Dump person (outside); Swamper (brake person and switch person on tunnel work); Tunnel materials handling person; Nipper; Pot tender, using mastic or other materials (for example, but not by way of limitation, shotcrete, etc.)

GROUP 2: Chucktender, cabletender; Loading and unloading agitator cars; Vibrator person, jack hammer, pneumatic tools (except driller); Bull gang mucker, track person; Concrete crew, including rodder and spreader

GROUP 3: Blaster, driller, powder person; Chemical grout jet person; Cherry picker person; Grout gun person; Grout mixer person; Grout pump person; Jackleg miner; Jumbo person; Kemper and other pneumatic concrete placer operator; Miner, tunnel (hand or machine); Nozzle person; Operating of troweling and/or grouting machines; Powder person (primer house); Primer person; Sandblaster; Shotcrete person; Steel form raiser and setter; Timber person, retimber person, wood or steel; Tunnel Concrete finisher

GROUP 4: Diamond driller; Sandblaster; Shaft and raise work

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LABO1184-004 07/01/2019

	Rates	Fringes
Brick Tender.....	\$ 33.06	19.17

-----

LABO1414-001 08/07/2019

	Rates	Fringes
LABORER		
PLASTER CLEAN-UP LABORER....	\$ 34.82	20.02
PLASTER TENDER.....	\$ 37.37	20.02

Work on a swing stage scaffold: \$1.00 per hour additional.

-----

PAIN0036-001 07/01/2018

	Rates	Fringes
Painters: (Including Lead Abatement)		
(1) Repaint (excludes San Diego County).....	\$ 27.59	14.92
(2) All Other Work.....	\$ 31.12	15.04

REPAINT of any previously painted structure. Exceptions: work involving the aerospace industry, breweries, commercial recreational facilities, hotels which operate commercial establishments as part of hotel service, and sports facilities.

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PAIN0036-008 10/01/2018

	Rates	Fringes
DRYWALL FINISHER/TAPER.....	\$ 40.18	19.22

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PAIN0036-015 06/01/2018

	Rates	Fringes
GLAZIER.....	\$ 42.20	25.50

FOOTNOTE: Additional \$1.25 per hour for work in a condor, from the third (3rd) floor and up Additional \$1.25 per hour for work on the outside of the building from a swing stage or any suspended contrivance, from the ground up

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 PLAS0200-009 08/01/2018

	Rates	Fringes
PLASTERER.....	\$ 36.86	18.00

-----  
 PLAS0500-002 07/01/2019

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER....	\$ 37.00	25.53

-----  
 PLUM0016-001 09/01/2018

	Rates	Fringes
PLUMBER/PIPEFITTER		
Plumber and Pipefitter		
All other work except		
work on new additions and		
remodeling of bars,		
restaurant, stores and		
commercial buildings not		
to exceed 5,000 sq. ft.		
of floor space and work		
on strip malls, light		
commercial, tenant		
improvement and remodel		
work.....	\$ 50.13	22.16
Work ONLY on new additions		
and remodeling of bars,		
restaurant, stores and		
commercial buildings not		
to exceed 5,000 sq. ft. of		
floor space.....	\$ 48.58	21.18
Work ONLY on strip malls,		
light commercial, tenant		
improvement and remodel		
work.....	\$ 37.10	19.51

-----  
 ROOF0036-002 08/01/2019

	Rates	Fringes
ROOFER.....	\$ 39.52	17.47

FOOTNOTE: Pitch premium: Work on which employees are exposed to pitch fumes or required to handle pitch, pitch base or pitch impregnated products, or any material containing coal tar pitch, the entire roofing crew shall receive \$1.75 per hour ""pitch premium"" pay.

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 SFCA0669-002 04/01/2018

	Rates	Fringes
SPRINKLER FITTER.....	\$ 39.73	21.90

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 SHEE0105-003 01/01/2019

LOS ANGELES (South of a straight line drawn between Gorman and Big Pines) and Catalina Island, INYO, KERN (Northeast part, East of Hwy 395), MONO ORANGE, RIVERSIDE, AND SAN BERNARDINO COUNTIES

	Rates	Fringes
SHEET METAL WORKER		
(1) Commercial - New Construction and Remodel work.....	\$ 44.28	28.46
(2) Industrial work including air pollution control systems, noise abatement, hand rails, guard rails, excluding aritechtrual sheet metal work, excluding A-C, heating, ventilating systems for human comfort....	\$ 44.28	28.46

\* TEAM0011-002 07/01/2019

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....	\$ 31.59	29.59
GROUP 2.....	\$ 31.74	29.59
GROUP 3.....	\$ 31.87	29.59
GROUP 4.....	\$ 32.06	29.59
GROUP 5.....	\$ 32.09	29.59
GROUP 6.....	\$ 32.12	29.59
GROUP 7.....	\$ 32.37	29.59
GROUP 8.....	\$ 32.62	29.59
GROUP 9.....	\$ 32.82	29.59
GROUP 10.....	\$ 33.12	29.59
GROUP 11.....	\$ 33.62	29.59
GROUP 12.....	\$ 34.05	29.59

WORK ON ALL MILITARY BASES:

PREMIUM PAY: \$3.00 per hour additional.

[29 palms Marine Base, Camp Roberts, China Lake, Edwards AFB, El Centro Naval Facility, Fort Irwin, Marine Corps Logistics Base at Nebo & Yermo, Mountain Warfare Training Center, Bridgeport, Point Arguello, Point Conception, Vandenberg AFB]

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Truck driver

GROUP 2: Driver of vehicle or combination of vehicles - 2 axles; Traffic control pilot car excluding moving heavy equipment permit load; Truck mounted broom

GROUP 3: Driver of vehicle or combination of vehicles - 3 axles; Boot person; Cement mason distribution truck; Fuel truck driver; Water truck - 2 axle; Dump truck, less than 16 yds. water level; Erosion control driver

GROUP 4: Driver of transit mix truck, under 3 yds.; Dumpcrete truck, less than 6-1/2 yds. water level

GROUP 5: Water truck, 3 or more axles; Truck greaser and tire person (\$0.50 additional for tire person); Pipeline and utility working truck driver, including winch truck and plastic fusion, limited to pipeline and utility work; Slurry truck driver



GROUP 6: Transit mix truck, 3 yds. or more; Dumpcrete truck, 6-1/2 yds. water level and over; Vehicle or combination of vehicles - 4 or more axles; Oil spreader truck; Dump truck, 16 yds. to 25 yds. water level

GROUP 7: A Frame, Swedish crane or similar; Forklift driver; Ross carrier driver

GROUP 8: Dump truck, 25 yds. to 49 yds. water level; Truck repair person; Water pull - single engine; Welder

GROUP 9: Truck repair person/welder; Low bed driver, 9 axles or over

GROUP 10: Dump truck - 50 yds. or more water level; Water pull - single engine with attachment

GROUP 11: Water pull - twin engine; Water pull - twin engine with attachments; Winch truck driver - \$1.25 additional when operating winch or similar special attachments

GROUP 12: Boom Truck 17K and above

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example:

PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**ENCROACHMENT PERMIT**  
 TR-0120 (REV. 6/2012)

Permit No. 08-19-A-OP-1679	
Dist/Co/Rte/PM 08-RIV-111, PM 18.0/R19.0	
Permit Approval Date 12/03/2019	
Fee Paid \$ EA 08-0M900	Deposit \$ EA 08-0M900
Performance Bond Amount (1) \$ 0.00	Payment Bond Amount (2) \$ 0.00
Bond Company	
Bond Number (1)	Bond Number (2)

In compliance with (Check one):

- Your application of December 3, 2019
- Utility Notice No. \_\_\_\_\_ of \_\_\_\_\_
- Agreement No. \_\_\_\_\_ of \_\_\_\_\_
- R/W Contract No. \_\_\_\_\_ of \_\_\_\_\_

TO: Riverside County Transportation Department  
 4080 Lemon Street, 8th Floor  
 Riverside, CA 92502-1090  
 Attn: Scott Staley 951-955-0292

, PERMITTEE

and subject to the following, PERMISSION IS HEREBY GRANTED to:

Enter onto State Route 111 (SR 111) right-of-way near Avenue 66 in Mecca, within Riverside County, to realign SR 111, construct a new grade separation and roadway to cross the UPRR, SR 111 and Hammond Road from the realigned SR 111/Avenue 66 Lincoln Street. The improvement also includes a proposed five-span cast -in-place prestressed concrete box bridge and other roadway improvement, as per plans date stamped, November 21, 2019 by the Caltrans District 8 Encroachment Permits Office and/or to the satisfaction of the Caltrans Representative.

Notwithstanding General Provision #4, your consultants or contractors are required to apply for and obtain an encroachment permit at no charge prior to start work.

A pre-job meeting with the assigned Caltrans Representative, Mike Mohammadi, 951-232-8846, is required at least 7 days prior to start of any work under this permit. Failure to do so may result in permit revocation with no prejudice.

**THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER.**

The following attachments are also included as part of this permit (Check applicable):

- Yes  No General Provisions
- Yes  No Utility Maintenance Provisions
- Yes  No Storm Water Special Provisions
- Yes  No Special Provisions
- Yes  No A Cal-OSHA permit, if required: Permit No. \_\_\_\_\_
- Yes  No As-Built Plans Submittal Route Slip for Locally Advertised Projects
- Yes  No Storm Water Pollution Prevention Plan / Water Pollution Control Plan

In addition to fee, the permittee will be billed actual costs for:

- Yes  No Review
- Yes  No Inspection
- Yes  No Field Work

(if any Caltrans effort expended)

- Yes  No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before June 25, 2021

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.


No project work shall be commenced until all the other necessary permits and the environmental clearances have been obtained.

PERMIT ENGINEER: Reza Moslemi  
 COPIES TO:  
 Maintenance: Indio 7410  
 Dokken Engineering, Juann Ramos: 110 Blue Ravine Road, Suite 200  
 Folsom, CA 95630  
 Construction Inspector: Mike Mohammadi  
 EP Inspector: Martin Morris  
 PM: Michael Makary

APPROVED:

Michael D. Beauchamp, District Director

BY:

  
 ANDY QUACH, P.E., District Permit Engineer

**ADA Notice**

For individuals with sensory disabilities, this document is available in alternate formats. For alternate format information, contact the Forms Management Unit at (916) 445-1233, TTY 711, or write to Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

PAGE 1: ATTACHED TO AND MADE PART OF PERMIT NO. 08-19-A-OP-1679

In addition to the attached General Provisions, the following checked special provisions are applicable:

A PRE-JOB MEETING WITH THE ASSIGNED CALTRANS REPRESENTATIVE, Mike Mohammadi, 951-232-8846 AT LEAST 7 DAYS IS REQUIRED PRIOR TO START OF ANY WORK UNDER THIS PERMIT. FAILURE TO DO SO WILL RESULT IN PERMIT CANCELLATION AND RESUBMITTAL MAY BE REQUIRED.

Notwithstanding General Provision #4, your contractor is required to apply for and obtain an encroachment permit prior to starting work. A fee/deposit of \$                      for inspection, and \$                      for electrical equipment is required at the time of application.

You are required to submit an approved Storm Water Pollution Prevention Plan (SWPPP) for projects with a cumulative disturbed soil area equal or greater than 1 acre, and an approved Water Pollution Control Program (WPCP) for projects with a disturbed soil area less than 1 acre, unless otherwise required by other agencies (RWQCBs, U.S. Army Corps of Engineers, Department of Fish and Game, etc.).

Upon the expiration of this permit, the Permittee is required to apply for the countywide annual maintenance permit for this new facilities installed under the Permit No.:                                     

The Permittee is required to apply for a separate permit to maintain and/or replace in kind of these facilities on each occurrence upon the expiration of this permit.

The Permittee shall provide the stage construction traffic handling plans, work schedule and a list of all sub-contractors to the Department's Representative at the time of the pre-construction meeting or prior to start construction.

All traffic control, signing and striping shall comply with California MUTCD 2014. It is available at: [http://www.dot.ca.gov/hq/traffops/signtech/mutcdsupp/ca\\_mutcd.htm](http://www.dot.ca.gov/hq/traffops/signtech/mutcdsupp/ca_mutcd.htm)

Permittee and his/her contractors shall comply with Department 2018 Standard Specifications, Department 2018 Standard Plans, and all the latest revisions implemented as of this permit issued date, and the project specific special provisions for Oversight Projects and Streamlined Oversight Projects. It is the responsibility of the permittee and his/her contractors to verify with the Department Standard Plans, Standard Specifications, and all the latest revisions as of this permit issued date before ordering any materials for the project within the Department Right-Of-Way. The Department Standard Plans, Standard Specifications, and the Revisions are available at: <http://www.dot.ca.gov/hq/esc/oe/standards.php>

Permittee and/or permittee's authorized contractor/agent are required and responsible to identify the Department's underground electrical systems before performing any excavation work within the right of way.

All personnel shall wear hard hats and orange or lime vests, shirts or jackets as appropriate while on State property.

The Permittee's work shall be subordinated to any operations which the Department may conduct and shall not delay, nor interfere with the Department's Forces or Department's Contractors.

PAGE 2: ATTACHED TO AND MADE PART OF PERMIT NO. 08-19-A-OP-1679

Attention is directed to Standard Specifications Section 7-1.11, Preservation of Property, and Business and Professions Code, Section 8771. The Permittee shall physically inspect the work site and locate survey monuments prior to work commencement. Monuments shall be referenced or reset in accordance with the Business and Professions Code.

Except for installing, maintaining and removing traffic control devices, any work encroaching within 3 feet of the edge of a traffic lane for areas with a posted speed limit below 45mph, or 6 feet of the edge of a traffic lane, for areas with a speed limit posted at 45mph or higher, shall require closing of the adjacent traffic lane. Permittee shall notify the Department's Representative, and obtain approval of, all traffic control, lane closures or detours, at least seven (7) WORKING DAYS prior to setting up of any traffic control.

No lane may be closed or obstructed at any time unless specifically allowed per the encroachment permit, shown in approved traffic control plans, and/or as directed by the Department's Representative.

Traffic control is generally authorized between 9:00 AM and 3:00 PM only on Monday through Thursday and until 1:00 PM on Fridays, excluding holidays except specified in the Permit. Lane closure is not allowed on Saturdays, Sundays and designated holidays. The designated holidays are: January 1st, the third Monday in January, the second and third Mondays in February, March 31, the last Monday in May, July 4th, the first Monday in September, the second Monday in October, November 11th, Thanksgiving Day, the day after Thanksgiving Day, and December 25th. When a fixed holiday falls on Saturday, the preceding Friday shall be designated as holiday.

Should any deviation from these procedures or conditions be observed, all work shall be suspended until satisfactory steps have been taken to ensure compliance.

If time extension is necessary, a request for time extension and the accompanying attachments must be made a minimum of two (2) weeks prior to completion date stated on face of permit. If work has not been started before completion date, the permit will be voided. Failure to comply with rules and regulations stated on permit will jeopardize future permit privileges.

"AS-BUILT" PLANS ARE REQUIRED UPON COMPLETION OF ALL WORK. PLEASE REFER TO THE GENERAL PROVISION TR-0045, ITEM 22 FOR THE "AS-BUILT" REQUIREMENTS. NO FINAL INSPECTION WILL BE PERFORMED UNTIL THE DEPARTMENT IS IN RECEIPT OF "AS-BUILT" PLANS.

No vehicle or equipment shall be stored overnight within the right of way; it shall be removed immediately at the completion of the day's work. Refueling of vehicle or equipment within the right of way is strictly prohibited.

Required traffic control devices shall be installed around fixed objects to warn the motoring public for safety. Personal vehicles of the contractor shall not be parked within freeway right of way.

No materials or waste shall be stockpiled within State right of way.

Except as specifically provided herein, all requirements of the Vehicle Code and other applicable laws must be complied with in all particulars.

When traffic cones or delineators are used to delineate a temporary edge of traffic lane, the line of cones or delineators shall be considered to be the edge of the traffic lane. The permittee shall not reduce the width of the existing lane to less than 10 feet without written approval from the Department's Representative.

PAGE 3: ATTACHED TO AND MADE PART OF PERMIT NO. 08-19-A-OP-1679

Excavations made within the limits of the right of way shall be backfilled and resurfaced to original condition before leaving the work area unless otherwise authorized by the Department's Representative.

All trenches repair shall comply with ENCROACHMENT PERMIT TRENCH DETAIL, TR-0153 or to the satisfaction of the Department's Representative.

Permittee shall be responsible for arranging the services of a qualified traffic control contractor to provide any needed traffic control.

The permittee shall arrange a meeting between his field representative, traffic control contractor, Department's Representative and/or CHP at least two (2) weeks prior to start of any work covered under this permit to arrange date and time of starting work and determine appropriate methods of handling traffic. At least 3 working days notice shall be given to the Caltrans representative and/or the CHP, prior to the meeting to allow time to arrange for attendance.

A copy of this permit, complete with all attachments, shall be kept by permittee/contractor working under this permit and must be shown to the Department Permit Inspector, Department's Representatives, or Law Enforcement Officer, on demand.

The permittee shall be responsible for notifying the appropriate utility companies or underground service alert prior to any excavation work.

The permittee shall notify the California Highway Patrol Area Commander at least 72 hours prior to implementing traffic control.

When the work area encroaches upon a sidewalk, walkway, or crosswalk area, special consideration must be given to pedestrian safety. Protective barricades, fencing, handrails and bridges, together with warning and guidance devices and signs must be utilized so that the passageway for pedestrians, especially blind and other physically handicapped, is safe and well defined and shown on the approved permit plan.

Pedestrian walkways and canopies within State Right of Way shall comply with the requirements of the applicable local agency or of the latest edition of the Uniform Building Code whichever contains the higher standards.

[For City or County projects with utility relocations:]

If existing public or private utilities conflict with the construction PROJECT, PERMITTEE will make necessary arrangements with the owners of such utilities for their protection, relocation, or removal. PERMITTEE shall inspect the protection, relocation, or removal of such facilities. Total costs of such protection, relocation, or removal which STATE or PERMITTEE must legally pay, will be borne by PERMITTEE. If any protection, relocation, or removal of utilities is required, including determination of liability for cost, such work shall be performed in accordance with STATE policy and procedure. PERMITTEE shall require any utility company performing relocation work in the STATE's right-of-way to obtain a State Encroachment Permit before the performance of said relocation work. Any relocated utilities shall be correctly located and identified on the as-built plans.

[For other projects with utility relocations:]

If existing public or private utilities conflict with the construction PROJECT, PERMITTEE will make necessary arrangements with the owners of such utilities for their protection, relocation, or removal. PERMITTEE

PAGE 4: ATTACHED TO AND MADE PART OF PERMIT NO. 08-19-A-OP-1679

shall inspect the protection, relocation, or removal of such facilities. Total costs of such protection, relocation, or removal shall be borne by PERMITTEE in compliance with the terms of the Highway Encroachment Permits, Case Law, Public Utility Regulations, and Property Rights. PERMITTEE shall require any utility company performing relocation work in the STATE's right-of-way to obtain a State Encroachment Permit before the performance of said relocation work. Any relocated utilities shall be correctly located and identified on the as-built plans.



PAGE 5: ATTACHED TO AND MADE PART OF PERMIT NO. 08-19-A-OP-1679

**STRUCTURE WORK**

Use these special provisions when Permit includes any capital improvement work (Capital Outlay Program or Permit Program) involving structure related facilities such as: modification to existing bridges, new bridges, all tunnels, underground structures, single and multi-cell culverts wider than 20 feet measured in the direction of traffic, storage boxes, non-standard retaining walls, non-standard sound walls (including sound walls on retaining wall), earth retaining systems, bridge-mounted sign structures, overhead sign structures, pump plants, slope paving under bridges (including any paving or channel lining around bridge columns), seal slabs/boat sections, transit stations, and toll plazas.

In addition to the attached General Provisions (TR-0045), the following special provisions are also applicable:

**1) BEGINNING OF WORK:**

The PERMITTEE shall notify the Department's Representative, [redacted] at [redacted] two (2) weeks before the intent to start permitted work to ensure coordination with the Division of Structure Construction.

**2) CONTRACT DOCUMENTS:**

In addition to the number of as-advertised contract document sets required by the District Permit Engineer for district use, the PERMITTEE shall include a minimum of eleven (11) additional sets of contract documents (plans, special provisions and addenda) for use by the Caltrans Engineering Service Center. Upon approval of the permit application, the District Permit Office shall distribute the eleven additional sets of contract documents to:

State of California  
Department of Transportation  
Engineering Service Center  
Office of Special Funded Projects, MS 9-2/7G  
1801 30th Street  
Sacramento, CA 95816

Depending on the work contemplated in the project, more copies may be required as determined by the District Permit Engineer and the Structures OSFP Liaison Engineer.

**3) AS-BUILT & OTHER COMPLETION RECORDS**

Within sixty (60) days following completion and acceptance of the project construction contract, PERMITTEE shall furnish acceptable completion records, which are applicable to the project, to the Department's Representatives shown in the following table. Completion records shall be submitted in accordance with the "Submittal Instructions and Forms" shown in the following table. When requested by the PERMITTEE, the Department's Representative shall furnish the instructions and forms shown in the following table. This information is also available from the Department internet website. Completion records or accompanying correspondence shall not include disclaimer statements of any kind. Such statements shall constitute non-compliance with these provisions. For Locally Advertised projects, the As-Built Plan Package shall include the "Structures As-Built Plan Submittal Route Slip."

PAGE 6: ATTACHED TO AND MADE PART OF PERMIT NO. 08-19-A-OP-1679

**CALTRANS ENCROACHMENT PERMITS MANUAL**  
**Special Provisions to be inserted in APPENDIX K**

**Completion Records Table**

<b>Completion Record</b>	<b>Submittal Instructions and Forms</b>	<b>Submit Completion Record to:</b>
Field Office set of red-marked As-Built plans for Structures, including Log of Test Borings from the Construction Contract Administrator	Furnish the construction field office set of redmarked As-Built prints,  <p align="center"><u>AND</u></p> Initial, date, and attach the "Structures As-Built Plan Submittal Route Slip" to the As-Built plans submittal package.	<u>Express Mail or hand carry to:</u>  State of California Department of Transportation Engineering Service Center Division of Structure Construction 1801 30th Street, MS 9-2/11H Sacramento, CA 95816
Final As-Built plans for Structures, including Log of Test Borings from the Design Consultant	Furnish one (1) complete set of acceptable full size reproducible As-Built plans,  <p align="center"><u>AND</u></p> Furnish the construction field office set of redmarked As-Built prints,  <p align="center"><u>AND</u></p> Initial, date, and attach the Structures As-Built Plan Submittal Route Slip to the As-Built plans submittal package.	<u>Regular Mailing Address:</u>  State of California Department of Transportation Engineering Service Center Office of Special Funded Projects MS 9-2/7G P.O. Box 168041 Sacramento, CA 95816-8041  <u>Next Day Mail or hand carry to:</u>  State of California, Department of Transportation Engineering Service Center Office of Special Funded Projects 1801 30th Street, MS 9-2/7G Sacramento, CA 95816
Working Drawings (Shop Plans)	See contract special provisions and Standard Specifications for each individual structure.	ESC Structures Document Unit Division of Structure Design
Report of Completion for Structures	Submit, for each individual structure, Form DS-OS C3, "Report of Completion-Bridges", or equivalent.	Division of Structure Construction Oversight field Engineer for the project construction contract
Joint Movement Calculations for Structures	Submit, for each individual structure, Form DSD-D-0129, "Joint Movement Calculations" or equivalent.	Division of Structure Construction Oversight field Engineer for the project construction contract

PAGE 7: ATTACHED TO AND MADE PART OF PERMIT NO. 08-19-A-OP-1679

Driven Pile Records	Submit, for each individual structure, Forms DC-C78, "Pile Quantity & Driving Record (Driven Piles)"; DH-OS C79, "Log Pile Sheet"; and DH-OS C80, "Pile Layout Sheet"; or equivalent.	Division of Structure Construction Oversight field Engineer for the project construction contract
Paint Records for Structures	Submit, for each individual structure, Forms DHOS M5, "Clean and Paint Cost Summary"; DH-OS M8, "Daily Clean & Paint Record"; DH-OS M11, "Paint Record", and DH-OS M78, "Spot-Sandblasting Report"; or equivalent.	Division of Structure Construction Oversight field Engineer for the project construction contract

**4) PROJECT COMPLETION (PROCESS BILLING/COMPLETION NOTICE)**

For permits involving structure work, the Progress Billing/Completion Notice shall not be submitted by the District Oversight Resident Engineer/District Permit Engineer as the "Completion Notice" until the structure As-Builts and other applicable structure completion records have been submitted by the permittee and approved by the Department. The receipt of these records shall be noted on the Progress Billing/Completion Notice.

**Private Entities**

Failure of private entities to provide accurate, reproducible As-Built plans and satisfactory completion records for permit work shall be cause for bond or deposit retention by the Department.

**Local Agencies**

Failure of local agencies to provide accurate, reproducible As-Built plans, and satisfactory completion records for permit work shall be cause for the Department to require performance bonds on future permits. Future permitted work is subjected to a bond requirement until the completion records of said previously permitted work are submitted satisfactorily (Streets & Highways Code, Section 678).

PAGE 8: ATTACHED TO AND MADE PART OF PERMIT NO. 08-19-A-OP-1679

**STRUCTURE AS-BUILT PLANS SUBMITTAL ROUTE SLIP  
FOR LOCALLY-ADVERTISED CONSULTANT-DESIGNED STRUCTURE PROJECT(S)**

CONTRACT EA: \_\_\_\_\_  
PERMIT NO. (to local entity): \_\_\_\_\_  
DIST/CO/RTE/PM(KP): \_\_\_\_\_

COMPLETION & ACCEPTANCE OF PROJECT CONSTRUCTION CONTRACT FIELD WORK (DATE):  
\_\_\_\_\_

BRIDGE NO(S): \_\_\_\_\_

\_\_\_\_\_  
CONSTRUCTION CONTRACT ADMINISTRATOR (Name, Phone, & Firm):

\_\_\_\_\_  
CALTRANS OVERSIGHT STRUCTURE REPRESENTATIVE (Name & Phone):

\_\_\_\_\_  
CALTRANS DISTRICT OVERSIGHT RESIDENT ENGINEER (Name & Phone):

\_\_\_\_\_  
DISTRICT ENCROACHMENT PERMITS ENGINEER (Name & Phone):

\_\_\_\_\_  
CALTRANS STRUCTURES OSFP OVERSIGHT LIAISON ENGINEER (Name & Phone):

**KEEP THIS MEMO WITH THE STRUCTURE AS-BUILT PLAN PACKAGE  
(HAND CARRY OR EXPRESS MAIL TO THE NEXT PERSON)**

Initials/Date

\_\_\_\_\_ 1) CONSTRUCTION CONTRACT ADMINISTRATOR / STRUCTURE REPRESENTATIVE

- Compile all structure As-Built changes, including supplemental plan sheets due to CCO's. Consultant Structure Representatives shall review structure As-Built changes with the State Oversight Structure Representative prior to delivery to Division of Structure Construction in Sacramento.
- Send the field office set of red-marked As-Built prints to DEPARTMENT ESC, Offices of Structure Construction, MS 9-2/11H, 1801 30th Street, Sacramento, CA 95816.

\_\_\_\_\_ 2) DIVISION OF STRUCTURE CONSTRUCTION (DSC), SACRAMENTO

- Receive and review the structure As-Built Plans changes noted on the field office set of red-marked As-Built prints.

PAGE 9: ATTACHED TO AND MADE PART OF PERMIT NO. 08-19-A-OP-1679

- Verify that **ALL** of the As-Built structure sheets have been received and have the As-Built stamp (including Log of Test Borings plan sheets).
- Update contract records.

\_\_\_\_\_ 3) DIVISION OF EARTHQUAKE ENGINEERING & DESIGN SUPPORT (DEE&DS), Office of Special Funded Projects

- Receive and review As-Built changes.
- Deliver the package of the field office set of red marked as built prints, and the As-Built route slip to the Design Consultant so that the As-Built changes can be transferred onto the Local Entity's as-advertised tracings.

\_\_\_\_\_ 4) DESIGN CONSULTANT

- Transfer **red-marked** As-Built changes to original **as-advertised** tracings (or to the Computer Graphics files if necessary). The original as-advertised tracings thereby become the final As-Built tracings.
- Deliver field office set of red-marked As-Built prints, the set of final As-Built tracings and this Slip by express mail or hand carry to DEPARTMENT ESC - OSFP, MS 9-2/7G, 1801 30th Street, Sacramento, CA 95816\*

\_\_\_\_\_ 5) DIVISION OF EARTHQUAKE ENGINEERING & DESIGN SUPPORT (DEE&DS), Office of Special Funded Projects

- Verify that As-Built red-marked changes and approved CCO's are reflected on the final As-Built tracings.
- **Inform** District Resident Engineer (or District Encroachment Permit Engineer if total estimate
- **Inform** Design Consultant that final structure As-Built prints have been received and are satisfactory.
- Structures OSFP retains the field office set of red-marked As-Built prints until the final As-Built tracings are returned from HQ Micrographics. Final structure As-Built tracings are forwarded to DSM&I.

\_\_\_\_\_ 6) DIVISION OF STRUCTURES MAINTENANCE AND INVESTIGATIONS (DSM&I)

- Notify DSM&I-Encroachment Permits Section that As-Built plans have been received and are satisfactory.
- Scan final As-Built tracings into bridge information records system, BIRIS.
- Forward final As-Built tracings to HQ Micrographics.

\_\_\_\_\_ 7) HQ MICROGRAPHICS

- Use final structure As-Built tracings to order 3 full sets of microfilm (roadway & structures) aperture cards.
- HQ Micrographics files a set of microfilms, delivers a set to both the District, and the Department's security file.
- Return the final structure As-Built tracings to Structures OSFP [for storage/disposal or return to Design Consultant of Local Entity (if requested)]. Structures OSFP can then dispose of the field office set of red-marked As-Built prints or return them to the Design Consultant or Local Entity (if requested).

\* When required by contract with Local Agency, send a **copy** of red-marked prints and reproducible **copies** of final As-Built plans to the Local Agency. Design Consultant keeps a set of reproducible **copies** of the final As-Built plans for own file.

PAGE 10: ATTACHED TO AND MADE PART OF PERMIT NO. 08-19-A-OP-1679

\*\*Project closure is also contingent upon the submittal of other final structure project records and District Roadway As-Built Plan Package to the District.

**Attachment: As-Built Plans.**

PAGE 11: ATTACHED TO AND MADE PART OF PERMIT NO. 08-19-A-OP-1679

PERMIT NO.: 08-19-A-OP-1679

CO/RTE/PM: 08-RIV-111-18-R19

PRECONSTRUCTION MEETING AGREEMENT

I, \_\_\_\_\_, acting as an authorized agent for the permittee, \_\_\_\_\_, do hereby agree to personally accomplish or have another designated person arrange for all involved company representatives to attend a pre-construction meeting with the authorized Department's Representative at \_\_\_\_\_, as specified on this permit. Such meeting must be held two (2) days or more prior to the planned start of the work on this project. The Authorized Department's Representative shall have complete authority to determine whether the permit conditions, either implied or written, have been complied with. The Department's Representative may then allow the permit work to proceed as appropriate. The Pre-construction Meeting Record below must be signed by both the Department's Representative and the permittee before the permit work may start.

I have read and understand the attached General Provisions TR-0045 and other attached provisions of this permit.

This agreement or a copy thereof, must be mailed back to the Department's District 8 Encroachment Permit Office at 464 W. 4th. Street, MS 619, San Bernardino, CA 92401-1400, within three (3) working days prior to the pre-construction meeting. Failure to return this form could delay the release of your bonds. A copy of this document shall be at the job site at all times when work is in progress and failure to do so may result in the suspension of work, as directed by the Department's Representative.

It is the permittee's responsibility to insure that the Department's Representative is notified of work completion and that the attached Completion Notice is mailed to the Department's Permit office.

Signature Date

Print or Type Name

Position or Title

PAGE 12: ATTACHED TO AND MADE PART OF PERMIT NO. 08-19-A-OP-1679

**PRECONSTRUCTION MEETING RECORD**

Department's Representative

Date

Permittee's Representative

Date

Date Work May Begin: \_\_\_\_\_





Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)

## ATTACHMENT “D”

### CONTRACTOR QUESTIONS AND RESPONSES

The Questions and Responses information document is available on the County website at the following link during the advertisement period for this project:

<http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>

This (downloadable) file is provided for reference only. For any discrepancy written on this Questions and Responses document, the Contractor shall conform to the contract documents.

**Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)**

<b>CONTRACTOR QUESTIONS AND RESPONSES</b>		
<b>92</b>	Question	Special Provisions Page 54 - "Replace Reserved in section 19-3.03A with: Where shown, remove material below the bottom of Culvert 100, MSE Walls, bridge embankments or preload embankments. Replace the material with Class 2 AB and compact it as specified for structure backfill in section 19-3.03E. The relative compaction must be at least 95 percent." Plan sheet SCD-1 shows excavate the 5' over excavation at preload areas and recompact – volume remains the same. Please clarify if this volume of dirt is to be replaced with Class 2 AB as noted in the Special Provisions. The plans do not show replacement with Class 2 AB for any of the locations noted above, please clarify.
	Response	The plan sheets and quantities have been updated to show the locations of Class 2 AB.
<b>93</b>	Question	Plan sheet R-4 page 115 – How are the removals for the existing sewer pipe / manholes or abandonment get measured and paid
	Response	The Special provisions and Bid Item List have been updated accordingly.
<b>94</b>	Question	Please reference plan sheet 115. In order to modify and apply the epoxy coating on the existing manholes #1 and #2, the potential of a bypass will be needed if the existing sewer system cannot be shut down for a continuous duration of time. If the existing sewer system cannot be shut down, please advise peak flow rates. Furthermore, please provide specification for the bypass system if it will be required and also advise where the temporary bypass system will be paid.
	Response	The Sewer line will need to be bypassed and the peak flow rates are unknown. The line can be bypassed at night utilizing a vactor truck in order to apply the epoxy coating. The cost associated with this work can be included in the cost for the sewer pipe.
<b>95</b>	Question	What is the specification for the temporary wall shown on sheets 127-128?
	Response	The Special Provisions have been updated to include a specification.
<b>96</b>	Question	Where is Structure Excavation (Retaining Wall) paid?
	Response	Structure Excavation (Retaining Wall) item added to Bid Item List and plan sheet 271G of 337 quantity has been updated. See revised proposal issued by addendum No. 4.
<b>97</b>	Question	Please identify relocated location of Fiber Optic and Kinder Morgan utilities in vicinity of Bent 3.
	Response	Preliminary relocation plans have been prepared and the final plans are in their final stages. The exact locations of the relocated lines are not fully known at this time, other than they will be relocated outside the limits of the footing excavation.
<b>98</b>	Question	How long will the "Absolute Work Windows" for falsework erection and removal over UPRR be?
	Response	There are no Absolute Work Windows defined in the RR agreement.
<b>99</b>	Question	Please clarify "Add to the RSS 90-1.01D(10)(a): Compliance with the specifications for CIP structural concrete members in section 90-1.01 is not required" on page 112 of the Special Provisions.
	Response	The RSS's dated 10/18/19 include requirements for contractor provided QC for CIP structural concrete members, the SSP in question frees the contractor from these added requirements. The RSS are being included in this addendum and being made a part of the contract.

**Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)**

<b>CONTRACTOR QUESTIONS AND RESPONSES</b>		
<b>100</b>	Question	The table on page 54 of the Special Provisions is consistent with the Foundation Report option of reducing the settlement period to 2.5 months if a 5' surcharge is used. Is the intention of the Special Provision to provide for this option?
	Response	See Addendum #3.
<b>101</b>	Question	Please detail the longitudinal limit of the embankment settlement by providing a section through the abutment (sloped fill or pillow wall?).
	Response	Contractor to bid as currently shown.
<b>102</b>	Question	Please locate the Imperial Irrigation District Utility that will require 120 days to relocate (table on page 24 of Special Provisions).
	Response	See Utility Sheets for facilities to be relocated. Per Sheet U-1, the Imperial Irrigation District owns the electrical facilities. The 120 days is for all IID relocations.
<b>103</b>	Question	The quantities of Structure Excavation and Backfill (Bridge) do not reflect the limits shown on Sheets 278 and 311. Please confirm.
	Response	Bid Item List quantity has been updated. Quantities on sheet 279 of 337 updated to match detail on sheet 278 of 337.
<b>104</b>	Question	The Railroad Agreement indicates \$1300 a day is for 8 hours of Railroad Flagging. The Special Provisions page 20 indicates \$1300 is for a 10 hour day. Please clarify.
	Response	The correct period of time is 8 hours.
<b>105</b>	Question	Per addendum No 2 Response to question #16 states that bid item 114 includes removal of existing irrigation pipe as shown on Sheet Nos. 112 and 114 (which is 704 LF). However, bid item #48 has Remove Irrigation Pipe with a quantity of 831 LF. Is bid item #48 doubled-up with bid item #114? If not, what plan sheets is bid item #48 located on?
	Response	The Bid Item List has been updated to remove Bid Item #48.
<b>106</b>	Question	Will the County of Riverside prohibit use of RAP in the top lift of asphalt? Also, is there a gradation requirement for the top lift of asphalt?
	Response	RAP may be used in compliance with section 39-2.02. Aggregate gradation requirements per lift must be in compliance with section 39-2.02.
<b>107</b>	Question	Bid Item #133 (Manhole Frame and Cover) has a quantity of 13 each but the quantity tables show 15. Should this bid item quantity be revised?
	Response	The Bid Item List quantity has been updated.
<b>108</b>	Question	What is the expected number of trains per day or hour at this location?
	Response	There are approximately 57 trains per day in this location.
<b>109</b>	Question	Bid Item 161 – Concrete Pedestrian Railing is included in the proposal, however we can't find any detailed drawing for this. Please provide details for this item.
	Response	Concrete Pedestrian Railing is shown on the Bridge General Plans and Typical Sections for both the Lincoln Channel Bridge and the Avenue 66 Overhead. The Lincoln Channel Bridge calls it Concrete Pedestrian Barrier which is a typo, it should be called out as Concrete Pedestrian Railing.
<b>110</b>	Question	Bid Item 160 – Tubular Handrailing shows 2,198 LF from the bid schedule but our take-off is only about 1,669 LF. Please verify the quantities.
	Response	The Bid Item List has been updated, the correct quantity is 1,669 LF.

**Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)**

<b>CONTRACTOR QUESTIONS AND RESPONSES</b>		
<b>111</b>	Question	There's approximately 668 LF of Picket Railing and 2 EA of Crash Cushion that was called out on the plans but doesn't have any pay items. Please clarify where are these items being paid for.
	Response	See Addendum #3 for Picket Railing. See Addendum #4 for Alternative Crash Cushion. A special provision and bid item have been added for Alternative Crash Cushion. Additionally, the callout should read "Alternative Crash Cushion" and not "Crash Cushion".
<b>112</b>	Question	Spec Section 77-1.15 (Welded Steel Pipe Casing - Bridge) states that the casing must conform with Section 70-7 (Caltrans). Please specify the type of coating required
	Response	The coating requirements are specified in section 70-7.
<b>113</b>	Question	Are there special design requirements associated with the design of the Temporary Pillow Walls (i.e. - Seismic)?
	Response	A special provision has been added for the temporary walls. Additionally, the callouts for the walls have been updated to read "Temporary Walls" and no longer specify pillow wall.
<b>114</b>	Question	Reference Section 19-Earthwork, page 53, of the project Special Provisions which states "Roadway excavation includes overexcavation as shown". Addendum 3, revised plan sheet 265 of 337 shows overexcavation and recompaction within the limits of the MSE walls. Will the overexcavation and replacement with Aggregate Base be included with the SF (Final Pay) price of the MSE walls (Items 64-68) or will the quantity be paid in Item 38-Roadway Excavation and Item 54-Class 2 Aggregate Base?
	Response	The Plan sheets and quantities have been updated to include the CL2 Aggregate Base in Bid Item #54.
<b>115</b>	Question	In the specs for striping it says there is a warranty for stripes of 5 years and 2 years for markings. The cost codes for these items is just enhanced wet night visibility. Is there a 5 year warranty on the traffic stripes and 2 years for markings?
	Response	Yes, there is a 5- and 2-year warranty on the enhanced wet night visibility traffic stripes and markings.
<b>116</b>	Question	Reference Plan Sheet 271G - Retaining Wall No. 121. Please advise where the Structure Excavation for this wall will be paid. We do not find a bid item for this work and assume it will be paid as a change order. Please clarify.
	Response	Structure Excavation (Retaining Wall) item added to Bid Item List and plan sheet 271G of 337 quantity has been updated. The quantity is 578 CY.
<b>117</b>	Question	Reference Questions and Responses No. 61 in Addendum 3. Please clarify where the jacking plates will be paid.
	Response	The Jacking Plates are including in the Bid Item #88 – PTFE Spherical Bearing.
<b>118</b>	Question	Reference Plan Sheet 115 - Addendum 3, Notes 1 and 3 for Existing MH #1 and #3. The notes call for lining of the manholes with epoxy coating. Please clarify where this work will be paid.
	Response	The cost associated with this work is included in the cost of the new sewer pipe that is tying into the manhole.
<b>119</b>	Question	Refer to addendum #2, Attachment C, Question 16. The answer to the question regarding the total quantity of pipe removal was updated to 911 LF. This quantity included the 2 irrigation lines shown on sheets 112 and 114. Bid item #48 has a quantity of 831 LF of irrigation pipe removal. Please clarify.
	Response	Bid Item #48 has been removed.
<b>120</b>	Question	Addendum #3 added bid tem #203 with a quantity of 1ea - 6" Gate Valve. There are a total of 3 each - 6" Gate Valves. 2 each for the fire hydrants and one at Sta. 44+12.64. Please clarify.

**Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)**

<b>CONTRACTOR QUESTIONS AND RESPONSES</b>		
	Response	The cost associated with fire hydrants includes the cost of their associated gate valves. There is one location that a 6" line is being extended for future use and a gate valve is being installed, Bid Item #203 covers this valve.
121	Question	Addendum #3 added bid item #202 with a quantity of 1 each - 30" Gate Valve. Please clarify where the 30" Gate Valve is located on the 30" Water line?
	Response	This valve is shown on Addendum #3 Plan Sheet W-3 (Sheet No. 100).
122	Question	Addendum #3 bid tem 188i with a quantity of 1 each - 48" Precast Manhole (Sewer). We assume that bid item 137 - Manhole [48"], is the same sewer manhole. Please clarify.
	Response	That is correct, the Bid Item List has been updated to remove Bid Item #188i.
123	Question	Reference plan sheet 271. Please provide the DXF or DWG drawing for plan sheet 271 so that accurate pricing for the various silhouettes may be obtained.
	Response	CADD files will not be released.
124	Question	Reference plan sheet 271, note 2. Please specify the Grade of the Aluminum that will be required for the silhouettes.
	Response	The grade of Aluminum must comply with Section 82-2.02E of the Standard Specifications.
125	Question	Reference plan sheets 323 and 324. Please provide the DXF or DWG drawing for plan sheets 323 and 324 so that accurate pricing for the Mecca Sign Panel may be obtained.
	Response	CADD files will not be released.
126	Question	Reference plan sheet 271, note 4. Will powder coating of the silhouettes be acceptable in lieu of painting as called for in note 4?
	Response	Silhouettes must be painted, powder coating is not acceptable.
127	Question	Reference Addendum No. 3 - Question and Response No. 39, and revised plan sheet 268. The revised plan sheet 268 does not provide the Concrete Barrier Slab dimensions for RW 117. Please provide the dimensions so that the barrier slab quantity for RW 117 can be verified.
	Response	The concrete barrier slab dimension shall be 12 feet.
128	Question	<p>A. In Addendum #3, sheet 265 of 337 the pay limit details and legend provided indicate that there should be a bid item for Structural Excavation, Retaining Walls. Additionally, if this sheet is correct, bid item #44, Structural Backfill, Retaining Wall has a large bust in quantity. Should there be pay items for Structure Ex and Structure backfill retaining walls that reflect the pay limits shown on this new sheet?</p> <p>B. The legend on the same sheet has a key for Roadway Excavation (Type BCS/ADL). The detail on the left-hand side shows that this pay limit exists anywhere native material is excavated more than a foot above the bottom of leveling pad elevation. Again, there is no pay item for Roadway Excavation (Type BCS/ADL). Should there be a pay item for Roadway Excavation (Type BCS/ADL)?</p>
	Response	<p>A) Legend items 6 &amp; 7 direct the contractor to the Stage Construction Sheets where the overex and recompact involved in the preloading of the embankment are defined. The quantities for this work are captured in bid items 38 and 54.</p> <p>B) There is no Roadway Excavation (Type BCS/ADL) on this project, please disregard.</p>
129	Question	In Addendum #3 Proposal (Revised) bid item 188i states "48" Precast Manhole (Sewer)". Question, is bid item 188i for a new manhole? (bid item 137 has Manhole (48" – 1 each already). Or is 188i is for removal of existing sewer manholes (2 each)?
	Response	That is correct, the Bid Item List has been updated to remove Bid Item #188i.

**Avenue 66  
At SR-111 and Union Pacific Railroad  
Grade Separation Project  
Community of Mecca  
Project No. B8-0664  
Federal Aid No. – STPTCIFL-5956(221)**

<b>CONTRACTOR QUESTIONS AND RESPONSES</b>		
<b>130</b>	Question	There are elements shown on the MSE detail sheets (260-267) that are inconsistent with elements of the pre-approved earth retaining systems (Special Provision section 47-6.01A) such as Buttonhead connections at MSE straps, standard panel dimensions, and reinforcing mats (vs. straps) to name a few. Please confirm that the pre-approved system elements that conflict with plan details will supersede those shown in the bid documents assuming the wall manufacturer takes on responsibility for Global Stability of the earth retaining system.
	Response	It is the responsibility of the designer to show a complete set of plans, even when alternatives are made available in the specs. All details of a proposed alternative retaining wall system will be reviewed in the shop drawing and calculation submittals required by Section 47-6 of the Std Specs.
<b>131</b>	Question	Special Provisions section 19-3.03A states, "Where shown, remove material below the bottom of Culvert 100, MSE Walls, bridge embankments or preload embankments. Replace the material with Class 2 AB and compact it as specified for structure backfill in section 19-3.03E. The relative compaction must be at least 95 percent." Should all the over-excavated material in these areas be replaced with Class 2 AB (not shown on plans)? If yes, over-excavated portions (2' at Culverts and 5' at MSE/Bridge Embankments) will be approximately 19,000 CY of Class 2 AB. If yes, where is this imported base material paid?
	Response	The plan sheets and quantities have been updated to show the locations of Class 2 AB.
<b>132</b>	Question	Should there be a separate minor concrete bid item for the leveling pad or is it incidental to the MSE wall bid items?
	Response	The leveling pad is incidental to the MSE wall bid items.
<b>133</b>	Question	Reference Addendum No. 3 - Question and Response No. 52, and plan sheet 318. The response to Question 52 describes the materials that are to be included in Bid Item 134 - Miscellaneous Metal (Bridge). An item that is not included in the response is the "deck access opening" that is called for in the Legend on plan sheet 318. Please clarify where the Frame and Cover for the deck access opening is to be paid.
	Response	Deck access openings are included as part of Bid Item #134 – Miscellaneous Metal (Bridge).
<b>134</b>	Question	Reference sheet 311 of 337, Steel Pile Anchor B Detail. Industry claims that it is to problematic to field install 1" diameter x 4" headed studs on a vertical surface. However, 3/4" diameter x 4" headed studs can be installed on a vertical surface. Note: Studs would typically not be installed prior to driving pile because of uncertainty of obtaining specified tip. Please consider changing the studs from 1" to 3/4" diameter.
	Response	Contractor to bid as shown on plan.
<b>135</b>	Question	Please reference sheet w-2 of the Waterline Plan. This sheet is calling out 30" DIP. If I include that my quantity goes up to 3,848. Can you please identify where the 30" steel line begins and ends?
	Response	Through the bridges the waterline shall be WSP. The WSP begins 8 feet from the approach slabs as shown on the Bridge Utility Detail Sheets.