## Monthly Status Report No. MR-044
### Construction Package 1
#### Contract: HSR 13-06

**Data Date:** 3/31/2017  
**Board Meeting:** May 2017  
**Period:** 3/1/2017 to 3/31/2017

### Construction Manager:
Terry Ogle  
(Acting)

### Project Director:
Joe Cazares  
Director of Design & Construction

### PCM:
John C. Lee  
Design-Build Oversight Manager

### Regional Director:
Diana Gomez  
Central Valley Regional Director

### Design-Builder:
Tutor Perini/Zachry/Parsons JV

### Milestones

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFQ Date</td>
<td>11/15/2011</td>
</tr>
<tr>
<td>SOQ Date</td>
<td>12/19/2011</td>
</tr>
<tr>
<td>RFP Date</td>
<td>3/22/2012</td>
</tr>
<tr>
<td>Proposal</td>
<td>1/18/2013</td>
</tr>
<tr>
<td>Bid Open Date</td>
<td>4/13/2013</td>
</tr>
<tr>
<td>Award Date</td>
<td>8/16/2013</td>
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<tr>
<td>NTP 1 Date</td>
<td>10/15/2013</td>
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<tr>
<td>NTP 2 Date</td>
<td>11/22/2013</td>
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<td>NTP 3 Date</td>
<td>7/11/2014</td>
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<td>Original Completion Date</td>
<td>3/31/2018</td>
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<td>Current Completion Date</td>
<td>8/31/2019</td>
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### Contract Status

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
<th>Amount</th>
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<tbody>
<tr>
<td>RFQ Date</td>
<td>11/15/2011</td>
<td>Fixed Bid Price: $969,988,000.00</td>
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<td>SOQ Date</td>
<td>12/19/2011</td>
<td>Provisional Sums: $53,000,000.00</td>
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<td>RFP Date, Proposal, Bid Open Date, Award Date, NTP 1, 2, 3 Date</td>
<td>3/22/2012, 1/18/2013, 4/13/2013, 8/16/2013, 10/15/2013, 11/22/2013, 7/11/2014</td>
<td>Original Contract Price: $1,022,988,000.00</td>
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<tr>
<td>Executed Change Orders</td>
<td>3/22/2012</td>
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<td>Current Contract Amount</td>
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<td>Approved Invoices to Date</td>
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<td>Remaining Contract Balance</td>
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### Contingency Status

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<tr>
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<tbody>
<tr>
<td>Original Contingency Price</td>
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<td>$160,000,000.00</td>
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<tr>
<td>CHSRA Adds/Deducts to Contingency</td>
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<tr>
<td>Executed Change Orders</td>
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<td>Current Contingency Balance</td>
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<td>$58,760,039.73</td>
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### Budget Status

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<th>Event</th>
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<th>Amount</th>
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<tbody>
<tr>
<td>Original Contract Price</td>
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<td>$1,022,988,000.00</td>
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<tr>
<td>Original Contingency Amount</td>
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<tr>
<td>Original Budget Allotment</td>
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<td>CHSRA Adds/Deducts to Contingency</td>
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<td><strong>Budget Transfers (Adds/Deducts)</strong></td>
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<td>Current Budget Allotment</td>
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<td>$1,495,207,844.00</td>
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### Growth %

- % Time Growth: 31.8%
- % Dollars Growth: 30.5%

* Contingency funded change orders only  
*** Includes estimated value for current period
Pending Change Orders (Estimated Total)

- 11 Changes – Approximately $103M

Provisional Sums:

- Total Provisional Sums $211,820,000*
- Authorized Task Orders against Provisional Sums (-)$ 68,443,873*
- Provisional Sums Remaining Balance $143,376,127*
- Amount paid as of March 31, 2017 $ 45,554,459*

* Includes amounts for excluded 3rd parties, Change Order is currently pending

Major Scheduled Activities Planned

- Continue design work (ongoing)
- Design engineering for utility relocations, including design for Excluded 3rd Party facilities (ongoing)
- Hazmat abatement and demolition of structures on recently acquired parcels (ongoing)
- Road 27 – North Extension
  - Erection of falsework (planned)
- Avenue 12
  - Start construction of the Mechanically Stabilized Earth (MSE) walls (planned)
- Avenue 10
  - Start construction of the embankment and MSE walls (planned)
- Avenue 8
  - Start construction of the overcrossing structure (planned)
- Avenue 7
  - Start construction of the overcrossing structure (planned)
- San Joaquin River Viaduct
  - Start construction of the edge beams for the viaduct (planned)
- Fresno Trench
  - Start construction of lagging and secant piles from Belmont Ave to wyes (planned)
- Thorne Dry Creek
  - Work is suspended until after the next irrigation season
- Muscat Avenue
  - Erection of falsework for the structure (planned)
- RFC designs in review or comment resolution for the following (ongoing):
  - American OH
  - Central OH
  - IPB at Fresno Trench
  - Muscat Ave
  - Wildlife Crossing P167.4

Key Topics

- Contractor needs to complete design to start construction at critical locations (approved ready-for-construction plans)
- Parcel acquisition is behind the dates specified in the Right-of-Way Acquisition Plan and continues to be a schedule risk
- The Authority continues to work with TPZP to start construction at other priority locations
- Stop Work #006 was issued this month due to the contractor failing to provide proper documentation and identification of the STR12-SJRV Pergola Connector Pins. Contractor submitted proper documentation and Stop Work #006 lifted on March 28th.
- The PCM Environmental team issued a response to the Regional Water Quality Control Board (RWQCB) observations during their inspection of SWPPP BMPs at all water crossing sites
- Requested TPZP to submit SWPPP Water Pollution Control Drawings (WPCD) to SMARTS and reports through EMMA for Authority review
- Requested SWPPP amendments to show Best Management Practices (BMP) implementation for new construction areas
- Perform weekly SWPPP inspections in all active areas of the project

Key Work Accomplished/Ongoing this Period
- **Road 27**
  - Started and completed the abutment footings (complete)
  - Started forming of columns and abutments (ongoing)
  - Provided daily construction monitoring for wildlife, especially California Tiger Salamander (CTS) (ongoing)
  - Monitored condition of Wildlife Exclusionary Fence (WEF) and make recommendations to TPZP for repair & maintenance when necessary (ongoing)

- **Fresno River Viaduct**
  - Continued placing concrete for sections of the parapet barrier on the structure (ongoing)
  - Monitored erosion of access roads and embankments above the river channel (ongoing)
  - Requested SWPPP amendment showing new BMPs to prevent discharge of concrete release agent overspray on the deck and to the river (ongoing)

- **Cottonwood Creek**
  - Requested TPZP address numerous potential violations to SWPPP and Section 401 Permit (ongoing)

- **Avenue 12**
  - Continued the import for the embankment for the HST and BNSF OH bridges (ongoing)
  - Prepared and implement CTS Site-specific plan as approved by CDFW (ongoing)
  - Monitored WEF installation, burrow excavation, clearing and grubbing activities (ongoing)

- **Avenue 10**
  - Started clearing and grubbing for site preparation (ongoing)

- **Avenue 9**
  - Started clearing and grubbing for site preparation (ongoing)

- **Avenue 8**
  - Started drilling CIDH piles on the eastern abutment (ongoing)
  - Work was stopped due to expansion of the MSE wall that was unforeseen (ongoing)
  - Monitored erosion of compacted fill embankments and made recommendations for BMP installation (ongoing)
  - Monitored erosion of soil at abutments that exposed geotextile fabric (ongoing)

- **Avenue 7**
  - Drilling of bent CIDH piles (complete)
  - Started excavation and installation of an underground irrigation casing (ongoing)

- **San Joaquin River Viaduct**
  - Continued concrete placement of columns for various bents on the west side (ongoing)
  - Installed eleven (11) of the forty-three (43) pergola column connector pins (ongoing)
  - Completed nineteen (19) CIDH piles for the pergola structure (ongoing)
  - Communicated with Native American monitors and TPZP to ensure adherence with all cultural measures (ongoing)
  - Requested SWPPP BMPs to provide compliance with SWPPP, General Permit and Section 401 Water Quality Permit (ongoing)

- **Fresno Trench**
  - Continued excavation of the trench between the railroad wyes (ongoing)

- **SR 180 Top Down**
  - Installation of temporary shoring for SR 180 box resumed (ongoing)
  - Installed eighteen (18) soldier piles on the south side at the Fresno Trench; sixty-one (61) installed to date (ongoing)

- **Tuolumne Bridge**
  - Placed concrete for the moment slab on top of the west approach MSE wall (complete)
  - Completed relocation of the PG&E gas and electric facilities (complete)
  - Construction of the barrier rail and sidewalk finished (complete)
  - Started formwork to pour the median (ongoing)
  - Started installing the new traffic control system for Tuolumne Street Bridge (ongoing)

- **Downtown Fresno Viaduct**
  - F/R/P of the deck at spans 22-27 (complete)
  - Bents 7 through 14 were completed, poured bents 17 through 19 (ongoing)
  - Continued columns for various bents of North Avenue (ongoing)
  - Continued large CIDH piles, north of North Avenue (ongoing)

- **Muscat Avenue**
  - Completed all columns (complete)
  - Completed abutment 1 and 5 footings (complete)
  - Continued abutment 5 body rebar and formwork (ongoing)

- **ROW and Demo/Abatement**
- Transferred eight (8) parcels in 1A/1B, one (1) parcel in 1C and eleven (11) parcels in 1D (North Extension) to TPZP authorizing access to the property; twenty (20) properties were transferred this period (ongoing)
- One hundred twenty-six (126) structures have been remediated, one (1) is undergoing remediation, one hundred sixteen (116) have been demolished and zero (0) demolition is in progress (ongoing)

- One (1) design submittal received Approval (APP), four (4) design submittals received a Statement of No Objection (SONO), two (2) design submittals received a Statement of Objection with Comments (SNOOC), one (1) design submittal received a Statement of Objection with Comments (SOOC) and five (5) design submittals were Rejected With Comments (RWC). Five (5) design submittals remain in review.