

California High-Speed Train Project



Request for Proposal for Design-Build Services

**RFP No.: HSR 11-16
Addenda Change Log for**

Addendum No. 4

**Released:
August 22, 2012**

This change log contains the list of changes, additions and deletions to the initial release of RFP HSR 11-16, as issued on March 22, 2012, including Addendums 1, 2, and 3 to the following documents:

- Book 1, Instructions to Proposers, Certifications and Forms
- Book 2, Contract Requirements
 - Part C.1 – Scope of Work
 - Part C.2 – Attachment 1 - Limits of Work Table
 - Part C.3 – Attachment 2 - Limits of Work Map
 - Part C.3 – Attachment 2a - Caltrans Limit of Work Map
 - Part C.3 – Attachment 2b - Caltrans Scope of Work Map
 - Part C.5 – Attachment 4 - Elements Scope Matrix
 - Part C.6 – Attachment 5 - Mandatory Standard Specifications Listing
- Book 3, Supplemental Contract Documents
 - Part C.1 - Design Criteria Manual
 - Part D.1 – Master Agreements and Task Orders
 - Part E.1 - Directive Drawings
 - Part E.4 – Right-of-Way Acquisition Plan
- Book 4, Reference Materials
 - Part A.1 - Option 1 Design Plans
 - Part A.2 – CP01A Design Plans
 - Part A.3 - CP01B-Design Plans
 - Part A.4 - CP01C-Design Plans
 - Part B.3 - Geotechnical Data Reports
 - Part B.6 - Structures Report
 - Part C.1 - Standard Specifications

Addenda Change Logs

Addendum No.: 4

RFP Document: Book 1, Part A-C, Instructions to Proposers, Certifications, and Forms

New Document

Revised Document

Change Log Only

Change No.	Description	Location
1	Inserted row to table at the bottom of the cover page to record Addendum No. 4 issuance.	B.1, Pt A – Cover page
2	Deleted the following definition for “Technically Competitive Proposers” from after the definition for “Surety” under Section 2, Definitions: <i>“Those proposers that submit the Technical Proposals rated high enough to be evaluated with their Price Proposals. The number of Technically Competitive Proposers is at the sole discretion of the Authority, but will not exceed three (3) Proposers.”</i>	B.1, Pt A.2, Page 6
3	Changed the due dates for the following items in Table 1, RFP Schedule under Section 3, Procurement and Project Schedules: <ul style="list-style-type: none"> • <i>Deadline for Proposer Questions from July 27, 2012 to September 14, 2012</i> • <i>Proposal Deadline from September 17, 2012 to November 2, 2012</i> • <i>Deadline to submit Escrowed Proposal Documentation (See 8.2.5) from September 20, 2012 to November 5, 2012</i> • <i>Anticipated Contract Award from December 2012 to January 2013</i> 	B.1, Pt A.3, Page 7
4	Changed approximate dates for the following activities in Table 2, Anticipated Project Implementation Schedule as follows: <ul style="list-style-type: none"> • <i>Initial Notice to Proceed from February to March 2013</i> • <i>Final Acceptance from April to May 2016</i> 	B.1, Pt A.3, Page 7



Addendum No.: 4RFP Document: Book 1, Part A-C, Instructions to Proposers, Certifications, and Forms New Document Revised Document Change Log Only

Change No.	Description	Location
5	<p>Revise last sentence in first paragraph under Section 5.1 Environmental analysis:</p> <p><i>"The Authority Board certified the Final EIR/EIS on May 3, 2012, and filed a Notice of Determination (NOD) with the State Clearinghouse on May 4, 2012. The FRA is anticipated to issue a Record of Decision (ROD) in August 2012, following the Authority Board's action."</i></p> <p>Revise second paragraph under Section 5.1 Environmental analysis:</p> <p><i>"In response to public input during the initial comment period for Fresno to Bakersfield, the Authority and FRA released a Revised Draft EIR/Supplemental Draft EIS for the Fresno to Bakersfield HSR Project for additional public comment on July 20, 2012. Following the close of the subsequent comment period, the Authority and FRA will consider any additional comments, identify a preferred alignment alternative for the Fresno to Bakersfield HSR project, and the Authority will obtain all necessary State and Federal agency approvals. The release of the Fresno to Bakersfield Final EIR/EIS is anticipated in January 2013 after which Authority Board and FRA action on the final document and subsequent NOD/ROD is anticipated. No Notice to Proceed (NTP) will be issued for any construction activity until issuance of the relevant NOD/ROD."</i></p> <p>Revised last paragraph under Section 5.1 Environmental analysis:</p> <p><i>To review the construction mitigation measures included in each of the DEIR/EIS documents, Proposers may refer to the following links at the Authority's website:</i></p> <ul style="list-style-type: none"> • Merced to Fresno Final EIR/EIS http://www.cahighspeedrail.ca.gov/final-eir-m-f.aspx • Fresno to Bakersfield Revised Draft EIR/Supplemental Draft EIS http://www.cahighspeedrail.ca.gov/revised-draft-eir-f-b.aspx 	B.1, Pt A.3, Page 10 - 11



Addendum No.: 4RFP Document: Book 1, Part A-C, Instructions to Proposers, Certifications, and Forms New Document Revised Document Change Log Only

Change No.	Description	Location
6	<p>Deleted the third bullet under Section 8.1.2, RFP – Second Step Evaluation Process:</p> <p><i>“Determine the Technically Competitive Proposers (not to exceed 3 Proposers) based on evaluation of the Technical Proposals”</i></p> <p>Deleted the following from the end of the fourth bullet:</p> <p><i>“submitted by the Technically Competitive Proposers”</i></p> <p>Deleted <i>“Technically Competitive Proposers”</i> from the fifth bullet and <i>“Technically Competitive”</i> from the sixth bullet.</p>	B.1, Pt A.8.1.2, Page 33
7	<p>Deleted the following as the eighth paragraph under Section 8.2.5, Escrowed Proposal Documentation:</p> <p><i>“EPDs of Proposers who are not determined to be Technically Competitive Proposers will be returned unopened by the Authority with the Price Proposal.”</i></p> <p>Delete <i>“Technically Competitive”</i> from the first line of the ninth paragraph under 8.2.5, Escrowed Proposal Documentation.</p>	B.1, Pt A.8.2.5, Page 37
8	<p>Deleted the following from the end of the second paragraph under Section 9.1, Overview:</p> <p><i>“Price Proposals are opened and evaluated only for those Proposers whose Technical Proposals are ranked highest after the Technical Proposal evaluation (the “Technically Competitive Proposers”). No more than 3 Price Proposals submitted in response to an RFP will be evaluated.”</i></p> <p>Deleted all instances of <i>“Technically Competitive Proposers”</i> from the third paragraph under Section 9.1, Overview</p>	B.1, Pt A.9.1, Page 43



Addendum No.: 4RFP Document: Book 1, Part A-C, Instructions to Proposers, Certifications, and Forms New Document Revised Document Change Log Only

Change No.	Description	Location
9	Delete the following from the beginning of the first paragraph under Section 9.4, Price Proposal Evaluation Criteria: <i>"Only the Price Proposals for the Technically Competitive will be opened. All other Price proposals will be returned, unopened to the respective Proposer."</i>	B.1, Pt A.9.4, Page 54
10	Deleted all instances of "Technically Competitive" from under Section 9.4, Price Proposal Evaluation Criteria.	B.1, Pt A.9.4, Page 55
11	Changed second paragraph under Section 9.8 Proposed Revisions and BAFOs: <i>"If Authority issues a request for proposal revisions and BAFOs, Proposers will be informed of and requested and/or allowed to revise their Proposals in accordance with the terms of the request for proposal revisions and BAFOs. The request for proposal revisions and BAFOs will allow adequate time, as determined by the Authority, for the Proposers to revise their Proposals. The Authority will consider the revised information submitted as part of the proposal revision/BAFO process and reevaluate and revise ratings as appropriate".</i>	B.1, Pt A.9.8, Page 56
12	Deleted all instances of "Technically Competitive" from under Section 9.9, Limited Negotiations.	B.1, Pt A.9.9, Page 57
13	Deleted all instances of "Technically Competitive" from under Section 10.4, Contract Execution.	B.1, Pt A.10.4, Page 57



Addendum No.: 4

RFP Document: Book 1, Part A-C, Instructions to Proposers, Certifications, and Forms

New Document

Revised Document

Change Log Only

Change No.	Description	Location
14	<p>Updated Form H, Request for Information and Clarification to by placing field 7 on a second page and inserting the following instructions:</p> <p><u>"RFI FORM SUBMISSION INSTRUCTIONS:</u></p> <p><i>Forms that are handwritten, re-scanned or not submitted according to these instructions shall be rejected. ONE (1) question or request per form. The RFI form document MUST be in the native file format and emailed to the Authority's point of contact. Responses to all RFI requests will be posted for review by all short listed proposers.</i></p> <p><i>Use additional copies of page two of this form if more space is required to detail Proposer's question/clarification request.</i></p> <p><i>This RFI form provided in <u>PLAIN TEXT</u> format <u>ONLY</u>. <u>DO NOT</u> enter text into this form that has been struck out, underlined and/or colored, such text formatting cannot be recorded by the Authority's RFI system.</i></p> <ol style="list-style-type: none"> 1. Enter the DATE of RFI submission to Authority Contact. 2. Select PROPOSER TEAM NAME as provided in the drop-down menu below. 3. Enter the PROPOSER E-MAIL ADDRESS that is on file with the Authority. <p><i>For the convenience of the Proposer the Authority has provided a field for entry of the Proposer's RFI question/clarification number.</i></p> <ol style="list-style-type: none"> 4. Enter RFI CLASSIFICATION and, where applicable, the RFP ADDENDUM, BOOK, PART AND SECTION/SUBSECTION NUMBER(S) that are specific to the subject of the Proposer's RFI question/clarification and separated by commas. 5. Enter PAGE NUMBER(S) of the SECTION/SUBSECTION/DRAWING(S) that are specific to the subject of the Proposer's RFI question/clarification and separated by commas. 6. Enter TITLES of the SECTION/SUBSECTION/DRAWING NUMBERS that are specific to the subject of the Proposer's RFI question/clarification and separated by commas. <p><i>Enter RFI question in the space provided on page two of this form."</i></p>	B.1, Pt C, Form H



Addendum No.: 4RFP Document: Book 2, Part C, Section 1 – Scope of Work New Document Revised Document Change Log Only

Change No.	Description	Location
1	<p>3 Project Description and Limits</p> <p>Changed second paragraph to:</p> <p><i>“General Project limits, from north to south, are described below. Refer to Attachment 1 “Limits and Extents of Work Table”, Attachment 2 “Limits of Work Map”, and Attachment 2a “Caltrans Limits of Work Map” for additional information.”</i></p>	B2 - Pt C.1, Page 3
2	<p>3 Project Description and Limits</p> <p>Added a sentence at the end of the second bullet point:</p> <p><i>“The limits within this package include a portion of work that is being performed by Caltrans.”</i></p>	B2 - Pt C.1, Page 4
3	<p>3.2 CP1A, Remaining Alignment Segment – North of Veterans Boulevard to North of Stanislaus Street</p> <p>Changed second paragraph to:</p> <p><i>“Additional major construction elements include five grade separated structures, realignment of Golden State Boulevard, demolition, site clearing, and utility relocations, and compliance with the applicable requirements, mitigation measures identified in the Final Environmental Documents, and master agreements between the Authority and applicable Third Parties.”</i></p>	B2 - Pt C.1, Page 5
4	<p>3.2 CP1A, Remaining Alignment Segment – North of Veterans Boulevard to North of Stanislaus Street</p> <p>Added a third paragraph:</p> <p><i>“Portion of work to be performed by Caltrans includes, realignment of SR-99 from Station A92+20 to A237+30, including new interchanges at West Clinton Avenue and Ashlan Avenue, on and off ramps to and from Golden State Boulevard, plus the portion of High-Speed Rail infrastructure from Station S10691+50 to S10825+60. Refer to Attachment 2b “Caltrans Scope of Work Map.”</i></p>	B2 - Pt C.1, Page 5



Addendum No.: 4RFP Document: Book 2, Part C, Section 1 – Scope of Work New Document Revised Document Change Log Only

Change No.	Description	Location
5	<p>3.5 Limits of Work for Enabling Facilities</p> <p>Changed second bullet point under the last paragraph to:</p> <p><i>• Compliance with most recent and published general plans for/by Caltrans and the cities and counties of Madera and Fresno.</i></p>	B2 - Pt C.1, Page 7
6	<p>4.1 Project Scope of Work - General</p> <p>Changed the first sentence in the last paragraph of Page 8 to:</p> <p><i>“Contractor shall provide design and construction for CHSTP trackway civil infrastructure, complete in place with the exception of CHSTP trackway from Station S10691+50 to S10825+60 which will be performed by Caltrans. While Caltrans performs the design and construction of this portion of the CHSTP trackway civil infrastructure, Contractor shall be responsible for establishing and controlling the plan and profile of CHSTP alignment in Caltrans portion of the work.”</i></p>	B2 - Pt C.1, Page 8
7	<p>4.1 Project Scope of Work - General</p> <p>Changed the first sentence in the second paragraph on Page 9 to:</p> <p><i>“The Scope of Work does not include construction of the portion of CHSTP trackway performed by Caltrans as stated above; trackwork itself; passenger stations; buildings; right-of-way engineering, negotiations, and acquisition; soundwalls; and systems work (i.e., Overhead Contact System poles, foundations, and wires; Traction Power Facilities; Automatic Train Control; etc.).”</i></p>	B2 - Pt C.1, Page 9
8	<p>4.1 Project Scope of Work - General</p> <p>Changed the last sentence in the second paragraph on Page 9 to:</p> <p><i>“However, while these elements are not included in the Scope, Contractor shall coordinate interfaces with the portion of work performed by Caltrans and ensure accommodation and integration of future CHSTP work elements via the Interface Coordination and Design Integration Workshops with the Authority.”</i></p>	B2 - Pt C.1, Page 9



Addendum No.: 4RFP Document: Book 2, Part C, Section 1 – Scope of Work New Document Revised Document Change Log Only

Change No.	Description	Location
9	<p>4.9.1 Design Baseline Report</p> <p>Changed the first sentence in the paragraph under bullet point “• Final Track Alignment and Limits of Construction Activities” to:</p> <p><i>“- Plan and profile for the CHSTP track alignment for the entire limits of the Project, including the portion of the work within Caltrans Scope of Work and location of all special trackwork.”</i></p>	B2 - Pt C.1, Page 13
10	<p>4.9.8 Design Baseline Report</p> <p>Changed the first sentence in the first paragraph to:</p> <p><i>“Contractor shall prepare a Final Design Report that includes all changes and revisions made to the Design Baseline Report, including the portion of the work within Caltrans Scope of Work.”</i></p>	B2 - Pt C.1, Page 17
11	<p>4.13 Ready for Construction (RFC) Submittals</p> <p>Added bullet point after “• Civil and Structure Construction Drawings”</p> <p><i>“• Engineering Calculations (certified as representing the designs in the Construction Packages)”</i></p>	B2 - Pt C.1, Page 20
12	<p>5.1 Demolition, Clearing, and Grubbing of the Construction Site</p> <p>Added paragraph after the first paragraph:</p> <p><i>“Removal, relocation, and/or purchase of existing billboards will be completed by others through the ROW Appraisal/Acquisition process (not-in-scope for CP01 Contractor). However, Contractor shall remove the billboard foundations, as required.”</i></p>	B2 - Pt C.1, Page 22
13	<p>5.4 Trackway</p> <p>Changed the first sentence in the first paragraph to:</p> <p><i>“Final horizontal and vertical alignments for the trackway shall be designed by Contractor for the entire Project limits, including the portion of the work within Caltrans Scope of Work and location of all special trackwork.”</i></p>	B2 - Pt C.1, Page 23



Addendum No.: 4RFP Document: Book 2, Part C, Section 1 – Scope of Work New Document Revised Document Change Log Only

Change No.	Description	Location
14	6. Attachments Added two bullet points after “• Attachment 2 – Limits of Work Map” • Attachment 2a – Caltrans Limits of Work Plan • Attachment 2b – Caltrans Scope of Work Map”	B2 - Pt C.1, Page 31

Addendum No.: 4RFP Document: Book 2, Part C, Section 2 – Scope of Work Attachment 1 - Limits of Work Table New Document Revised Document Change Log Only

Change No.	Description	Location
1	Inserted a table for Caltrans Limit of Work	B2 – Pt C.2, Attachment 1
2	Updated Stationing for CP1C per Addendum 3 Book 4, Plan Set	B2 – Pt C.2, Attachment 1

Addendum No.: 4RFP Document: Book 2, Part C, Section 3 – Scope of Work Attachment 2 - Limits of Work Map New Document Revised Document Change Log Only

Change No.	Description	Location
1	Updated map to show Caltrans Limits of Work	B2 – Pt C.3, Attachment 2



Addendum No.: 4**RFP Document:** Book 2, Part C, Section 3 – Scope of Work Attachment 2a - Caltrans Limits of Work Map New Document Revised Document Change Log Only

Change No.	Description	Location
1	Provided new map for Caltrans Limits of Work	B2 – Pt C.3, Attachment 2a

Addendum No.: 4**RFP Document:** Book 2, Part C, Section 3 – Scope of Work Attachment 2b - Caltrans Scope of Work Map New Document Revised Document Change Log Only

Change No.	Description	Location
1	Provided new map for Caltrans Scope of Work	B2 – Pt C.3, Attachment 2b

Addendum No.: 4**RFP Document:** Book 2, Part C, Section 5 – Scope of Work Attachment 4 - Elements Scope Matrix New Document Revised Document Change Log Only

Change No.	Description	Location
1	Item No. 51: Deleted "10817+00" in the last column.	B2 – Pt C.5, Attachment 4, Page 2



Addendum No.: 4
RFP Document: Book 2, Part C, Section 6 – Scope of Work Attachment 5 - Mandatory Standard Specifications Listing

New Document Revised Document Change Log Only

Change No.	Description	Location
1	Inserted a row for the new <i>Division 09, Finishes</i> . Also, inserted a new row for <i>Section 09 96 00 High Performance Coatings</i> , and its mandatory Articles and Paragraphs	B2 – Pt C.6, Attachment 5, Page 4

Addendum No.: 4
RFP Document: Book 3, Part C, Section 1 - Design Criteria

New Document Revised Document Change Log Only

Change No.	Description	Location
1	4.4.5.2 Actual Superelevation Per the response to CP01-RFI-0204, Deleted text (Page 4-5, Lines 21 to 22): <i>"The maximum Ea shall not exceed 7 inches."</i>	B3 - Pt C.1, Page 4-5
2	7.7.2.6 Curbs and Gutters 1. Deleted text (Page 7-9, Line 20): <i>"Class A"</i> 2. Changed text (Page 7-9, Line 21) from: <i>"Caltrans Standard Drawing"</i> to: <i>"Caltrans Standard Drawing and Specifications"</i>	B3 - Pt C.1, Page 7-9



Addendum No.: 4RFP Document: Book 3, Part C, Section 1 - Design Criteria New Document Revised Document Change Log Only

Change No.	Description	Location
3	<p>7.10.1.1 Traffic Lanes</p> <p>Per the response to CP01-RFI-0209,</p> <p>Changed paragraph (Page 7-37, Lines 20-23) to:</p> <p><i>“The minimum width of vehicular traffic lanes for maintenance and protection of traffic during construction shall be in accordance with the requirements of the authority having jurisdiction over the roadway.</i></p> <p><i>Vehicular traffic lanes adjacent to construction activities shall be 16 feet wide, which is inclusive of sufficient width for installation of temporary concrete railing (i.e., K-rail) and required buffer next to the temporary concrete railing. All other traffic lanes for vehicles shall be 12 feet wide unless required otherwise by jurisdictional authority.”</i></p>	B3 - Pt C.1, Page 7-37
4	<p>7.10.3 Railroad Operations</p> <p>Changed text (Page 7-38, Line 8) from “kept to a minimum” to:</p> <p><i>“avoided unless otherwise approved by the authority having jurisdiction”</i></p>	B3 - Pt C.1, Page 7-38
5	<p>10.6.4.1 Shallow Foundation</p> <p>Added the following paragraphs after the first paragraph (Page 10-10, after Line 22)</p> <p><i>“Geotechnical design of abutment and bent/pier shallow foundations shall be carried out in accordance with AASHTO LRFD BDS with Caltrans Amendments, Articles 10 and 11, and as supplemented in this chapter. Unless otherwise specified, see the Structures chapter for LRFD load factors and load combinations.</i></p> <p><i>Geotechnical design of retaining wall shallow foundations shall be carried out in accordance with Section 10.7, AASHTO LRFD BDS with Caltrans Amendments, Articles 10 and 11, and as supplemented in this chapter. See the Structures chapter for LRFD load factors and load combinations and this chapter for additional three service load conditions.”</i></p>	B3 - Pt C.1, Page 10-10



Addendum No.: 4RFP Document: Book 3, Part C, Section 1 - Design Criteria New Document Revised Document Change Log Only

Change No.	Description	Location
6	<p>10.6.4.1 Shallow Foundation</p> <p>Deleted Part A (Page 10-10, Lines 23 to 27):</p> <p><i>"A. <u>Abutments and Abutment Foundations</u></i></p> <p><i>Bridge abutments have components of both foundation design and retaining wall design. Abutments foundations shall be designed using Service Limit 1 State and Working Stress Design (WSD) per Caltrans BDS. The retaining wall aspects of abutments shall be designed in accordance with Section 10.7 and AASHTO LRFD BDS with Caltrans Amendments, Articles 10 and 11."</i></p>	B3 - Pt C.1, Page 10-10
7	<p>10.6.4.1 Shallow Foundation</p> <p>Changed Part B (Page 10-11, Lines 1 to 7) to:</p> <p><i>"A. <u>Bearing of Soil/Rock</u></i></p> <p><i>The nominal bearing resistance for shallow foundations shall be determined based on existing available geotechnical data and the geotechnical subsurface conditions of the foundation soil or rock. For all types of shallow soil foundations, the factored uniform bearing stress at the strength limit state, based on the effective footing dimension method in accordance with AASHTO LRFD BDS with Caltrans Amendments Articles 10.6.1.3 and 11.6.3.2, shall not be greater than the factored nominal bearing resistance. For all types of shallow rock foundations, the factored bearing stress at the strength limit state, based on the linearly distributed pressure method in accordance with AASHTO LRFD BDS with Caltrans Amendments, Article 11.6.3.2, shall not be greater than the factored nominal bearing resistance.</i></p> <p><i>For abutment shallow soil/rock foundations, the bearing stress at the Service 1 limit state, based on the linearly distributed pressure method, shall not be greater than the site specific nominal bearing resistance with a minimum factor of safety of 3."</i></p>	B3 - Pt C.1, Page 10-11
8	<p>10.6.4.1 Shallow Foundation</p> <p>Added the following text for a new part to this section (Page 10-11, Before Line 8):</p> <p><i>"B. <u>Stability</u></i></p>	B3 - Pt C.1, Page 10-11



Addendum No.: 4RFP Document: Book 3, Part C, Section 1 - Design Criteria New Document Revised Document Change Log Only

Change No.	Description	Location
9	<p>10.6.4.1 Shallow Foundation</p> <p>Note: This is a change to <i>AD.3 RFP HSR 11-16 - CP01 Addendum No. 3 Change Log; Change No. 15</i> of the Design Criteria.</p> <p>Deleted the "1.1" factor before "OBE" in the "Exceptional Loads" equation. See below for revised Exceptional Loads equation:</p> $\begin{aligned} {}^{(2)} \text{Exceptional Loads} &= DC + DW + L_1 + CF_1 + LF_1 + E + WA + WS + WL_1 \\ &= DC + DW + L_1 + CF_1 + LF_1 + E + WA + OBE \end{aligned}$	B3 - Pt C.1, Page 10-11
10	<p>10.6.4.1 Shallow Foundation</p> <p>Changed Part C (Page 10-11, Lines 32 to 33) to:</p> <p><i>"Total settlements and differential settlements of shallow foundations under the service limit state shall not exceed those specified in Table 10-2. See the Structures chapter for service limit state load combinations."</i></p>	B3 - Pt C.1, Page 10-11
11	<p>10.6.4.1 Shallow Foundation</p> <p>Deleted Part F (Page 10-12, Lines 4 to 14):</p> <p><i>"F. Distribution of Pressure</i></p> <p><i>Footings shall be proportioned under service load design as follows:</i></p> <p><i>For loadings which include only permanent loads and live loads, the resultant of the vertical soil pressure shall fall within the middle third of the footing.</i></p> <p><i>For other combinations of loadings, except those which include seismic loads or design flood loads, the resultant of the vertical soil pressure shall fall within the middle 42 percent of the footing plan dimension and the maximum soil pressure shall not exceed 125 percent of the allowable bearing value.</i></p> <p><i>For load combinations which include seismic loads, refer to the Structures chapter.</i></p> <p><i>For eccentrically loaded footings, a reduced effective width within the confine of the physical footing shall be used in geotechnical design for settlement and bearing resistance as per AASHTO LRFD BDS with Caltrans Amendments."</i></p>	B3 - Pt C.1, Page 10-12



Addendum No.: 4RFP Document: Book 3, Part C, Section 1 - Design Criteria New Document Revised Document Change Log Only

Change No.	Description	Location
12	<p>10.6.4.1 Shallow Foundation</p> <p>Deleted Part G (Page 10-12, Lines 15 to 17):</p> <p><i>"G. <u>Size of Footing</u></i></p> <p><i>The base area of a footing on soil shall be determined from the service load design based on a governing Load Combination Service 1 or the distribution of seismic loads with the allowable bearing pressure as per AASHTO LFRD design methods."</i></p>	B3 - Pt C.1, Page 10-12
13	<p>10.6.4.1 Shallow Foundation</p> <p>Deleted Part H (Page 10-12, Lines 18 to 26):</p> <p><i>"H. <u>Strength Design of Footing</u></i></p> <p><i>For strength design of a concentrically loaded foundation, the soil pressure shall be based on the applied factored loads divided by the base area of the footing.</i></p> <p><i>For strength design of an eccentrically loaded foundation, the factored loads shall be applied over the base area of the footing as determined herein. To avoid relocation of the resulting eccentricities that lead to pressure distribution that are in principle different from those obtained under the unfactored loads, the soil pressure distribution under the footing shall be based on the resulting bearing pressure distribution from the service load design multiplied by an average of load factor of 1.6 for loading combinations without seismic load and average load factor of 1.4 for loading combinations with seismic load."</i></p>	B3 - Pt C.1, Page 10-12
14	<p>10.6.4.1 Shallow Foundation</p> <p>Changed bullet point in Part I (Page 10-13, Lines 8 to 9) to:</p> <p><i>"Footings on Soils – The bottom of footings on soils shall be set at least 10 feet below the channel bottom. The potential shift of the stream or river channel shall be considered to locate the channel bottom. The top of footings on soil shall be below the total scour depth determined for the 100-year flood, and the bottom of footings on soil shall be below the estimated depth of the check flood (500-year) scour elevation."</i></p>	B3 - Pt C.1, Page 10-13



Addendum No.: 4RFP Document: Book 3, Part C, Section 1 - Design Criteria New Document Revised Document Change Log Only

Change No.	Description	Location
15	<p>10.6.4.1 Shallow Foundation</p> <p>Deleted text in second bullet point of Part I (Page 10-13, Lines 10 to 11)</p> <p><i>"Do not key the footings into rock at embedment depths shallower than 3 feet."</i></p>	B3 - Pt C.1, Page 10-13
16	<p>12.8.4.3 Weathering Steel</p> <p>Changed entire section 12.8.4.3 (Page 12-73, Between lines 19 and 20) from:</p> <p><i>"12.8.4.3 Weathering Steel</i></p> <p><i>Where weathering steel is used, steel members shall be detailed to ensure that rainwater runoff [AD.3] does not drain onto those weathering steel members."</i></p> <p>to:</p> <p><i>"12.8.4.3 High Performance Coating</i></p> <p><i>Steel bridges shall have a high performance coating system such as polysiloxane, polyaspartic modified urethane, or fluoropolymer which may be applied in the field. Primer shall be inorganic or organic zinc as recommended by the manufacturer of finish coats. Coatings including primers shall comply, at minimum, with South Coast Air Quality Management District (SCAQMD) Rule 1113.</i></p> <p><i>The Contractor shall provide services of an independent coating inspector. Independent coating inspector shall be certified under NACE International's Certified Inspector Program as a Certified Coating Inspector."</i></p>	B3 - Pt C.1, Page 12-73
17	<p>22.1 Scope</p> <p>Added paragraph (Page 22-2, after Line 6):</p> <p><i>"In principle, to assure the integrity of the grounding and bonding systems and the longevity of the system components, particularly for buried or encased elements, the bonding and grounding designs shall create duplicate electrical continuity paths and provide for redundancy in jumpers and bonds."</i></p>	B3 - Pt C.1, Page 22-2



Addendum No.: 4RFP Document: Book 3, Part C, Section 1 - Design Criteria New Document Revised Document Change Log Only

Change No.	Description	Location
18	<p>22.5.4.1 Concrete Structures</p> <p>Per the response to CP01-RFI-0199,</p> <p>Added the following text after "...finished grade at the column." (Page 22-10, Line 30):</p> <p><i>"The jumpers, both internal between rebar and grounding plates and external between grounding plates, shall be a minimum size of 4/0 AWG copper, but alternate materials, such as aluminum angle of comparable electrical capacity, may be adopted. Appropriate measures shall be adopted where dissimilar metals are interconnected."</i></p>	B3 - Pt C.1, Page 22-10
19	<p>22.5.5 Track Support Structure</p> <ol style="list-style-type: none"> 1. Changed "ground" to "a grounding plate" (Page 22-12, Line 7) 2. Changed "ground" to "grounding plate" (Page 22-12, Line 11) 3. Changed "ground" to "grounding plate" (Page 22-12, Line 16) 4. Changed "ground" to "grounding plate" (Page 22-12, Line 18) 	B3 - Pt C.1, Page 22-12
20	<p>22.5.9 Trenches, Retaining Walls, and Retained Fill Structures</p> <p>Changed text (Page 22-16, Line 5) from:</p> <p><i>"buried in earth"</i></p> <p>to:</p> <p><i>"(buried in earth)"</i></p>	B3 - Pt C.1, Page 22-16
21	<p>22.5.9 Trenches, Retaining Walls, and Retained Fill Structures</p> <p>Per the response to CP01-RFI-0199,</p> <p>Added sentence after "...to driven ground rods." (Page 22-16, Line 5):</p> <p><i>"The grounding conductor shall be a minimum size of 4/0 AWG copper, but alternate materials, such as aluminum angle of comparable electrical capacity, may be adopted. Appropriate measures shall be adopted where dissimilar metals are interconnected."</i></p>	B3 - Pt C.1, Page 22-16



Addendum No.: 4

RFP Document: Book 3, Part D, Section 1 – Master Agreements and Task Orders

New Document Revised Document Change Log Only

Change No.	Description	Location
1	Updated the following Master Agreement documents: <ul style="list-style-type: none"> • AT&T Master Agreement • Bureau Of Reclamation Master Agreement • City Of Fresno Master Agreement • Comcast Master Agreement • County Of Fresno Master Agreement • County Of Madera Master Agreement • Department Of Water Resources Master Agreement • Fresno Irrigation Dist. Master Agreement • Fresno Metro Flood Ctrl Dist. Master Agreement • Kinder Morgan Master Agreement • Level 3 Master Agreement • Madera Irrigation Dist. Master Agreement • Office Of The State Fire Marshal Memo Of Agreement • Pacific Gas & Energy Master Agreement • Time Warner Master Agreement 	B3 - Pt D.1

Addendum No.: 4

RFP Document: Book 3, Part E, Section 1 – Directive Drawings

New Document Revised Document Change Log Only

Change No.	Description	Location
1	<p>Directive Drawing DD-OC-2046</p> <p>Per the response to CP01-RFI-0199, added Note #6:</p> <p><i>"6. THE GROUND PLATE SHALL BE NO LESS THAN 6"x6" IN DIMENSION."</i></p>	B3 - Pt E.1, Page 66 of 74



Addendum No.: 4

RFP Document: Book 3, Part E, Section 4 – Right-Of-Way Acquisition Plan

New Document

Revised Document

Change Log Only

Change No.	Description	Location
1	Right-Of-Way Acquisition Plan revised to include updates to the Full and Partial Acquisitions for CP-01A and B	B3 - Pt E.4

ADDENDUM



Addendum No.: 4**RFP Document:** Book 4, Part A, Section 1 - Option1-Design Plans New Document Revised Document Change Log Only

Change No.	Description	Location
1	Updated the following track alignment sheets in the CP1A-Option1 Design Plans per the response to RFI-0183 <ul style="list-style-type: none"> • T1127-A • T1128-A 	B4 - Pt A.1

Addendum No.: 4**RFP Document:** Book 4, Part A, Section 2 - CP 01A- Design Plans New Document Revised Document Change Log Only

Change No.	Description	Location
1	Updated the following track alignment and structural sheets in the CP1A-Design Plans <ul style="list-style-type: none"> • TT-D1005 • TT-D1010 • ST-I1024 	B4 - Pt A.2



Addendum No.: 4**RFP Document:** Book 4, Part A, Section 3 - CP01B-Design Plans New Document Revised Document Change Log Only

Change No.	Description	Location
1	Updated the following civil and structural sheets in the CP1B Design plans <ul style="list-style-type: none"> • GE-A0012 • CV-T1013 • ST-K1043 	B4 - Pt A.3

Addendum No.: 4**RFP Document:** Book 4, Part A, Section 4 - CP 01C- Design Plans New Document Revised Document Change Log Only

Change No.	Description	Location
1	Updated the following typical section sheet in the CP1C- Design Plans <ul style="list-style-type: none"> • ST-J3010 	B4 - Pt A.4

Addendum No.: 4**RFP Document:** Book 4 , Part B, Section 3 - Geotechnical Exploration Report-V1- AppendixA1&B. New Document Revised Document Change Log Only

Change No.	Description	Location
1	Provided new document: <i>Geotechnical Exploration Data Report Volume 1 Appendix A-1 & B</i>	B4 - Pt B.3



Addendum No.: 4**RFP Document:** Book 4 , Part B, Section 6 – FB Bridges and Elevated Structures Report New Document Revised Document Change Log Only

Change No.	Description	Location
1	Provided new document: <i>Fresno to Bakersfield Bridges and Elevated Structures Report</i>	B4 - Pt B.3

Addendum No.: 4**RFP Document:** Part C, Section 1 - Standard Specifications New Document Revised Document Change Log Only

Change No.	Description	Location
1	Provided new Standard Specification Section <i>09 96 00 High Performance Coatings</i> in a new Standard Specification Division <i>Div 09 Finishes</i>	B4 - Pt C.1

