

California High-Speed Train Project



Request for Proposal for Design-Build Services

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

Addendum No. 3

This change log contains the list of changes to the initial release of RFP HSR 11-16, as issued on March 22, 2012, including Addendum No. 1 and 2 and documents the changes, additions and deletions to the following documents thereof:

- Book 1, Part A, Instructions To Proposers
- Book 2, Signature Document
- Book 2, Part A, Special Provisions
- Book 2, Part B, General Provisions
- Book 2, Part C, Scope of Work
 - Attachment 4 – Scope Elements Matrix
 - Attachment 5 – Mandatory Standard Specifications Listing
- Book 3, Supplemental Contract Requirements
 - Part B.1 - Verification, Validation and Self-Certification
 - Part C.1 - Design Criteria Manual
 - Part D.1 – Master Agreements and Task Orders
 - Part D.5 – Design Variance Report
 - Part E.1 – Directive Drawings

- Book 4, Reference Materials
 - Part A.1, Option 1 Design Plans
 - Part A.2, CP 01A Design Plans
 - Part A.3, CP 01B Design Plans
 - Part A.4, CP 01C Design Plans
 - Part B.1, Floodplain and H&H Reports
 - Part B.3, Geotechnical Data Reports
 - Part B.5, Stormwater Management Report
 - Part B.6, Structures Report
 - Part C.1, Standard Specifications
 - Part C.2, Special Specifications
 - Part D.1, CP 01 ALG Design Files
 - Part D.4, Topographic Mapping
 - Part D.5, CP 01 Cross Sections
 - Part D.9, CP 01A-C Sheet DGN Files



Addenda Change Logs

Addendum No.: 3

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

New Document

Revised Document

Change Log Only

Change No.	Description	Location
1	Updated cross references throughout the document.	B.1, Pt A
2	Inserted the following as new Section, 7.16.6, Design Variances and ATCs: "Contractor may rely on the Design Variances as preliminarily approved and included in Book 3 of the Procurement Package. New Design Variances required as part of Alternative Technical Concepts shall be subject to Authority review and preliminary approval as delineated in the Authority's Design Variance Guidelines and CHSTP Design Criteria in Book 3 of this Procurement Package. Proposers shall therefore prepare, submit, and ensure approval of all new Design Variances to be included as part of Alternative Technical Concepts. Design Variances are location and condition specific. New Design Variances required as part of Alternative Technical Concepts shall be equal or better in performance and safety."	B.1, Pt A, Pages 32-33
3	Deleted ", and any additional performance security that may be required by the Authority" from the second and third line of the fifth bullet under Section 10.4, Contract Execution.	B.1, Pt A, Page 58
4	Revised Bid Form breakdown containing specified bid allowances for 40.02B Utility/Third Party Provisional Sum, 40.03 and 40.04 Segment Bid Pricing Breakdown: 1A, 1B, and 1C Break out of the "Baseline" and "Superior" cost breakdown of the following Aerial Structures and Bridges: <ul style="list-style-type: none"> • San Joaquin Bridge + Viaduct + UPRR Straddle Bent Overpass • Cedar Avenue Overpass • Golden State Avenue Overpass 	B.1, Pt C, Form E
5	Inserted the following Hazardous Materials Terms with Asterix and footnotes providing the definition for each term in Form F, Contract Price: <ul style="list-style-type: none"> • RCRA Hazardous Waste • Non-RCRA Hazardous Waste • Non-Hazardous Waste 	B.1, Pt C, Form F



Addendum No.: 3**RFP Document:** Book 2, Part A.1, Signature Document New Document Revised Document Change Log Only

Change No.	Description	Location
2	Updated cross references provided on "Standard Agreement" form	B.2, Pt A.1, Standard Agreement Form
3	Inserted "Attachment A: Signature Document" as a caption and deleted the titles and form from and inserted RFP number under Section A of the "Recitals" section.	B.2, Pt A.1, Page 1
4	Deleted "the "Notice to Proceed and Start of Construction" clause (Section 3) of" from the second line in first paragraph under Article 3, Contract Time. Inserted sentence to end of second paragraph under the same Article 3. Corrected cross reference to Section 30 in the General Provisions under Article 6, Payments	B.2, Pt A.1, Page 3
5	Updated cross references throughout document	B.2, Pt A.1
6	Inserted standalone sentence after paragraph under Article 9, Organization Inserted instructions regarding last sentence of Article 10, Security and deleted "(if any)". Deleted Signature plate and inserted Articles 12, DRB Agreement and Article 13, Buy America Certificate	B.2, Pt A.1, Attachment A
7	Updated Attachment Caption for "Prices and Cash Flow Curve" and provided new Hazardous Material classifications and provided clarifying information for the same.	B. B.2, Pt A.1, Attachment B
8	Inserted instructive form language to Payment and Performance Bond Attachments	B.2, Pt A.1, Attachment E- 1, B-2 and C



Addendum No.: 3**RFP Document:** Book 2, Part A.1, Signature Document New Document Revised Document Change Log Only

Change No.	Description	Location
9	Moved the last sentence from the second sub-bullet under "Unconditional Obligations" of Attachment C to be a standalone sentence. Also, deleted "Design-Build" from seventh line in the first paragraph under the General Provisions bullet.	B.2, Pt A.1, Attachment C
10	Replaced "Board" with "DRB" and "pursuant to" with "regarding" and inserted "identity" in instructive language of the form at the top and section A of the DRB Agreement Form Attachment Deleted "shall have the right to" in Section 6.B.iii of the DRB Agreement	B.2, Pt A.1, Attachment E

Addendum No.: 3**RFP Document:** Book 2, Part A.2, Special Provisions New Document Revised Document Change Log Only

Change No.	Description	Location
1	Inserted "the" before references to "Contractor" under Section 2, throughout the document Replaced "Due Date" with "Deadline" throughout the document Updated cross references throughout the document Replaced "no later than" with "at any time on or before" in the sixth paragraph under Section 2. Changed duration for Substantial Completion and Final Acceptance Deadlines under Section 3, Completion Deadlines Inserted "at all times" under Section 4, Maintenance of Access. Deleted Section 5 and 6 and renumbered all section below those deleted sections. Inserted "Authority Desingated" and ", including paper supplies and maintenance" in the bulleted list under newly numbered section 5, General	B.2, Pt A.2,



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Change No.	Description	Location
	<p>Office Requirements for Facilities Provided by the Contractor.</p> <p>Inserted "after NTP-1, the" to the first paragraph under Section 5.1, Field Office for Authority's Field Staff. Increased staff cubicles from 20 to 50, restrooms from 2 to 5, paved parking spaces from 20 to 50.</p> <p>Inserted third paragraph under Section 5.1.</p> <p>Deleted Section 7.2, Design Office for Authority's Representative and renumbered the following sections accordingly.</p> <p>Changed deadline for liquidated damages from Final Acceptance to Substantial Completion and inserted additional language regarding daily durations and amounts and inserted a second paragraph in Section 7, Liquidated Damages</p> <p>Deleted Section 10, Reserved and renumbered the sections below that accordingly.</p> <p>Deleted hyperlinks and references thereof to environmental documents on the Authority's website under Section 8, Environment.</p> <p>Renamed "conditional permits" to "programmatic permits" and inserted additional text regarding Environmental Approvals and Permits.</p> <p>Inserted text regarding "Use and Possession Prior to Completion" and Contractor's work during the warranty period and options to extend the warranty period and the documents governing the warranty(s) in Section 9, Warranty</p> <p>Deleted the fifth and seventh paragraphs</p> <p>Deleted Sections 13 and 14.</p>	



Addendum No.: 3**RFP Document:** Book 2, Part B, General Provisions New Document Revised Document Change Log Only

Change No.	Description	Location
1	<p>Deleted definition for "Agreement" form first bullet under Section 1, Definitions.</p> <p>Inserted Definitions for "Affiliate" as the first bulleted and "Authority Designated Holiday" as the fifth bulleted item under Section 1, Definitions.</p>	B.2, Pt B, Page 1
2	<p>Replaced "and" with a forward-slash symbol in the definition for "Authority Provided Approvals" Section 1, Definitions.</p> <p>Deleted "Any person or persons authorized in writing to act for the Authority" with "The Authority's Authorized Representative as designated on the Signature Document" as the definition for "Authority Representative" under Section 1.</p> <p>Updated the definition for "Change Order" from:</p> <p>"A written order from the Authority that includes direction, instruction interpretation, or determinations that cause a change in the Contractor's Obligations under the Contract."</p> <p>To:</p> <p>"A written amendment to the terms and conditions of the Contract. Documents issued in accordance with the "Changes" clause (Section 17) of the General Provisions."</p> <p>Deleted "but no limited to" from the definition of "Contract" under Section 1.</p> <p>Moved definition of "Contractor" to after "Contract Price" in the listed Definitions under Section 1.</p>	B.2, Pt B, Page 2
3	<p>Inserted the following definition for Guarantor under Section 1, Definitions:</p> <p>"Shall mean the guarantor of the executed Guaranty (if any) attached to the Signature Document and required to guarantee performance of the Contract by the Contractor."</p>	B.2, Pt B, Page 3



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Change No.	Description	Location
4	<p>Deleted definition for "Items of Archeological and Geological Significance" from Section 1.</p> <p>Inserted the following definition for "Liquidated Damages" to Section 1: "The damages payable by the Contractor to the Authority as specified in the Special Provisions"</p>	B.2, Pt B, Page 4
5	<p>Changed "governmental agency" to "Governmental Person" in the definition of "Person" under Section 1, Definitions.</p> <p>Abbreviated "Request for Proposals" to "RFP" in the definition for "Proposal" under Section 1.</p> <p>Replaced "Due Date" with "Deadline" throughout the document.</p> <p>Corrected spelling of "Proposes" to "Proposers" in the definition for "Proposal Deadline" under Section 1.</p> <p>Inserted definition for "RFP" after the definition for "Reference Documents" under Section 1.</p> <p>Abbreviated "Right-of-Way" to "ROW" in the definition for "Site" under Section 1.</p>	B.2, Pt B, Page 5
6	<p>Inserted the following definition for "Total Float" after "Total Contract Price" under Section 1, Definitions. "The meaning set forth in the "Monthly Schedule Updates" clause (Section 58.4) of the General Provisions"</p> <p>Deleted ", but not limited to," from the definition of "Work" under Section 1.</p> <p>Changed the definition for "Working Day" under Section 1, from: "Each day during which the Authority conducts regular business. See the Authority Designated Holiday" To: Each weekday that is not an Authority Designated Holiday</p>	B.2, Pt B, Page 6



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Change No.	Description	Location
7	<p>Changed the definition for "Working Day" under Section 1, Definitions from:</p> <p>"Each day during which the Authority conducts business. See the "Authority Designated Holidays" clause (Section 14) of the General Provisions."</p> <p>To:</p> <p>"Each weekday that is not an Authority Designated Holiday."</p> <p>Moved Section 2, Order of Precedence, from Section 36 to Section 2 and moved "Termination Due to Non-Appropriation of Funds" language to become Section 7.14.5.</p> <p>Inserted the following language at the first paragraph under Section 2, Order of Precedence:</p> <p>"In the event of any inconsistency among the provisions of the Contract Documents, the inconsistency shall be resolved by giving precedence in the following order:"</p> <p>Reordered the documents listed under Section 2, Order of Precedence.</p> <p>Inserted the following language at the fourth line of the paragraph under Section 3.1, Notice to Proceed:</p> <p>"At the Authority's option, prior to issuance of NTP, the Authority may issue one or more interim NTPs directing the Contractor to perform certain Work described therein according to mutually agreed upon terms and compensation."</p>	B.2, Pt B, Page 7-8
8	<p>Inserted the following language as Section 4.3.3, Requirements:</p> <p>"Each subcontract shall provide that, pursuant to terms in form and substance satisfactory to the Authority, (a) the Authority is a third party beneficiary of the subcontract and shall have the right to enforce all of the terms of the subcontract for its own benefit and (b) all guarantees and warranties, express or implied, shall inure to the benefit of the Authority, and its respective successors and assigns.</p> <p>The Contractor shall ensure that each subcontract (at all tiers) shall</p>	B.2, Pt B, Page 11



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Change No.	Description	Location
	<p>include those terms that are specifically required by the Contract Documents to be included therein as well as such additional terms and conditions as are sufficient to ensure compliance by the Subcontractor with all applicable requirements of the Contract Documents. The Contractor shall ensure that all subcontracts (at all tiers, including subcontracts with suppliers) shall include an agreement by the Subcontractor to participate in any dispute review proceeding pursuant to the "Disputes" clause (Section Error! Reference source not found.) of the General Provisions, if such participation is requested by the Authority.</p> <p>The Contractor shall be fully responsible to the Authority for all acts and omissions of its own employees and of Subcontractors and their employees. The Contractor shall also be responsible for coordinating the Work performed by Subcontractors. When a portion of the subcontracted Work is not performed in accordance with the Contract Documents, or if a Subcontractor commits or omits any act that would constitute a breach of the Contract, or if the Authority makes reasonable objection to the use or continued use of such Subcontractor, the Subcontractor shall be replaced at the request of the Authority and shall not again be employed on the Project. The Contractor shall not be entitled to any increase in the Contract Price and/or time extension as a result of such removal and/or replacement."</p>	
10	<p>Deleted Section 6, Independent Contractor and retitled as "Not Used".</p> <p>Inserted a hard return between "and and "such" to make a fourth bullet to the list under Section 6, Compliance with the Law.</p>	B.2, Pt B, Page 12
11	<p>Inserted "Notice of Labor Disputes after Section 6.6 as Section 6.7 and inserted the following language:</p> <p>If the Contractor has knowledge that any actual or potential labor dispute is delaying or threatens to delay the timely performance of this Contract, the Contractor immediately shall give notice, including all relevant information, to the Authority. The Contractor agrees to insert the substance of this clause, including this paragraph in any subcontract under which a labor dispute may delay the timely performance of this Contract; except that each subcontract shall provide that in the event its timely performance is delayed or threatened by delay by any actual or potential</p>	B.2, Pt B, Page 13



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	labor dispute, the Subcontractor shall immediately notify the next higher tier Subcontractor or the Contractor, as the case may be, of all relevant information concerning the dispute.	
12	Deleted "but not limited to" from the third line of the first paragraph under Section 7.2, Site Investigation and Conditions Affecting the Work	B.2, Pt B, Page 14
13	Deleted the following from under Section 7.3, Responsibility of the Contractor for Design: "The Authority's approval of design document for construction as described in the Scope of Work (Book2, Part C) shall constitute approval of the design by the Authority for purposes of Government Code Section 830.6, but shall not be deemed to relieve the Contractor of Liability for the design"	B.2, Pt B, Page 15
14	Reordered the paragraphs and sentences under beginning at Sections 7.3.1 through 7.14.5.	B.2, Pt B, Page 16-25
15	Inserted the following at the beginning of the paragraph under Section 7.9, Risk of Loss; Protection of Existing Site: "At all times prior to Final Acceptance, the Contractor shall maintain, rebuild, repair, restore or replace all Work (including design documents, construction documents, materials, equipment, supplies and maintenance equipment which are purchased for permanent installation in, or for use during construction of, the Project and regardless of whether the Authority has title thereto), that is injured or damaged." Then the following at the end of the same paragraph: "Any suspension of the Work, regardless of cause, shall not relieve the Contractor of the responsibility for the Work and materials as herein specified."	B.2, Pt B, Page 20
16	Inserted the following introductory sentence to the bulleted list under Section 7.14.1, Breach of Contract: "The Contractor shall be in breach under the Contract upon the	B.2, Pt B, Page 22



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	<p>occurrence of any one or more of the following:"</p> <p>Reworded the third bullet under Section 7.14.1 to read:</p> <p>"The Contractor fails or refuses to provide sufficient resources to complete the Work in an acceptable manner and without delay, or absent a valid dispute, pay its Subcontractors when due in accordance with its agreements with the Subcontractors and applicable Law."</p>	
17	<p>Inserted the following at the beginning of the first paragraph under Section 7.14.3, Remedies:</p> <p>"If any breach described in Section 7.14.1 is not subject to cure or is not cured within the period specified in Section 7.14.2, the Authority may declare that an event of default has occurred and notify the Contractor and its sureties thereof."</p> <p>Inserted the following at the beginning of the second paragraph under section 7.14.3:</p> <p>"Subject to the "Consequential Damages; Limitation of Contractor's Liability" clause (Section 33) of the General Provisions, the"</p> <p>Inserted the following as the third paragraph under Section 7.14.3:</p> <p>"Notwithstanding anything in the Contract Documents to the contrary, the Authority may, without notice and without awaiting lapse of the period to cure any default, in the event of existence of a condition on or affecting the Project which the Authority believes poses an immediate and imminent danger to public health or safety, rectify the dangerous condition at the Contractor's cost, and so long as the Authority undertakes such action in good faith, even if under a mistaken belief in the occurrence of such default, such action shall not expose the Authority to any liability to the Contractor and shall not entitle the Contractor to any other remedy, it being acknowledged that the Authority has a paramount public interest in providing and maintaining safe public use of and access to the Project. The Authority's good faith determination of the existence of such danger shall be deemed conclusive in the absence of clear and convincing evidence to the contrary."</p> <p>Inserted the following at the end of the first sentence in the first</p>	B.2, Pt B, Page 24



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Change No.	Description	Location
	paragraph under section 7.14.4, No Limitation of Rights and Remedies: "equity or under this Contract or the performance bond hereunder."	
18	<p>Inserted the following at the end of the first Paragraph and second and third paragraphs of Section 7.14.5, Termination Due to Non-Appropriation of Funds:</p> <p>"for the Contract.</p> <p>In the event that non-appropriation of funds results in stoppage of Work, the Contractor agrees to resume performance of the Work without any modification to the terms and conditions hereof, provided that an appropriation therefor is approved within 120 days after the start of the fiscal year in question. Any such work stoppage shall be considered a suspension for convenience under Section Error! Reference source not found. of these General Provisions. If funds are not appropriated before expiration of such 120-day period, the Contract shall be deemed to have been terminated for convenience under Section Error! Reference source not found.</p> <p>Notwithstanding anything to the contrary contained in this Section 7.14.5, if the Contract is terminated due to non-appropriation of funds, the Contractor shall be entitled to compensation only for Work performed in the fiscal year in which funds were appropriated."</p> <p>Inserted ", Protection of Existing Site" in the tenth line of the paragraph under Section 7.15, Use and Possession Prior to Completion.</p> <p>Inserted "Acceptance" into the header for Section 7.16.</p>	B.2, Pt B, Page 25
19	<p>Inserted the following as Section 7.16.3, Passage of Title:</p> <p>"The Contractor warrants that it owns, or will own, and has, or will have, good and marketable title to all materials, equipment, tools, and supplies furnished, or to be furnished, by it and its Subcontractors that become part of the Project or are purchased for the Authority for the operation, maintenance or repair thereof, free and clear of all liens. Title to all of such materials, equipment, tools, and supplies which shall have been delivered to the Site shall pass to the Authority, free and clear of all liens, upon the sooner of (a) incorporation into the Project, or (b) the date of</p>	B.2, Pt B, Page 27



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Change No.	Description	Location
	payment by the Authority to the Contractor for invoiced amounts pertaining thereto. Notwithstanding any such passage of title, the Contractor shall retain sole care, custody and control of such materials, equipment, tools, and supplies and shall exercise due care with respect thereto, as part of the Work until the Final Acceptance Date or until the Contractor is removed from the Project."	
20	<p>Inserted "of the definition of Force Majeure" in the second bullet and "definition of Force Majeure" in the fourth bullet of the second bulleted list under Section 7.17, Force Majeure.</p> <p>Inserted "included in the Proposal" at the end of the introductory sentence under Section 7.18, Alternative Technical Concept (ATCs)</p> <p>Inserted "Third Party Facility" eight and tenth lines of the second paragraph under Section 7.18.</p>	B.2, Pt B, Page 28-29
21	Moved down the "Governing Law" language to become Section 61.13 (Page 185) previously known as Section 8 and renamed Section 8 as "Not Used" (Page .	B.2, Pt B, Page 29
22	<p>Deleted Section 10, previously titled "Composition of Contractor" and retitled as "Not Used".</p> <p>Deleted the following as the second sentence in the paragraph under Section 12, Bonding and Guaranty:</p> <p>"Performance bonds are required on all contracts over \$100,000 (see Attachment E of the Signature Document) and payment bonds are required on contacts over \$25,000 (see Attachment D of the Signature Document)."</p> <p>Deleted ", either hold a certificate of authority from the U.S. Department of Treasury or" before "have" then deleted "obtained reinsurance from a Treasury listed insurer or" after "have" from the sixth line of the paragraph under Section 12.1, Performance and Payment Bonds.</p> <p>Inserted the following at the seventh line of the paragraph under Section 12.1:</p>	B.2, Pt B, Page 30



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	<p>“the Authority in its sole discretion. The Contractor shall maintain the payment bond in full force and effect until (a) the Contractor has obtained unconditional releases of liens and stop notices from all Subcontractors who filed preliminary notice of a claim against the bond or (b) expiration of the statutory period for Subcontractors to file a claim against the bond.”</p> <p>Inserted “Total” before “Contract Total” in the third bullet under Section 12.2, Additional Bond Security.</p>	
23	<p>Deleted “in the form attached to the Signature Document. Such guaranty (if required) assures” and inserted “to assure” in the first line of the paragraph under Section 12.3, Guaranty.</p> <p>Changed response time from 42 to 30 days in the second paragraph under section 13.1 Policy and Implementation.</p>	B.2, Pt B, Page 31
24	Moved Public Records Act from between Sections 61.14 and 61.15 to become Section 13.4	B.2, Pt B, Page 32
25	<p>Moved the following from between sections 13.4 and 16 to be the second paragraph under section 61.8, Successors and Assigns:</p> <p>“The Contractor shall not assign the whole or any part of this Contract, or any monies due or to become due hereunder, without the prior written consent of the Authority.”</p> <p>Deleted the following from between Section 13.4 and 16:</p> <p>“The Authority may assign without the Contractor’s consent all or any portion of the Contract, payment and performance bonds hereunder or guaranty hereunder (see attachments D, E, and F of the Signature Document) to any Person that succeeds to the governmental powers of authority of the Authority”</p> <p>Replaced “work deficiencies” with “non-conforming Work” in the first paragraph under Section 16, Authority’s Right to Carry Out the Work.</p> <p>Deleted “Carry out all or part of the” and replaced with “Correct any non-conforming” in the first bullet under Section 16.</p>	B.2, Pt B, Page 33-34



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	<p>Inserted the following after the first bullet under Section 16:</p> <p>”; or</p> <ul style="list-style-type: none"> • If such non-conforming Work cannot be corrected within seven days, <ul style="list-style-type: none"> – Provide to the Authority a schedule for correcting any such nonconforming work acceptable to the Authority within such seven-day period, – Commence such corrective Work within such seven-day period and – Thereafter diligently prosecute such correction in accordance with such approved schedule to completion.” 	
26	<p>Inserted the following after Section 17, Changes:</p> <p>“The Contractor waives the right to make any claim for a time extension or for an increase in the Contract Price and/or the Utility/Third Party Provisional Sum, except as permitted in this “Changes” clause, and that the Contractor shall bear full responsibility for the costs and delay of all other changes.”</p> <p>Replaced “clause” and replaced with “Section 17.1, require performance of the Work or” in the second and third line of the paragraph under Section 17.1, Authority-Directed Changes.</p> <p>Deleted “but not limited to” from the second bulleted item under Section 17.1.</p> <p>Replaced “order” with “letter” in the second paragraph, deleted “a determination whether” and “in fact constituted a material changes in” and “that materially increases the cost of Project and/or affect the critical path” from the third paragraph and inserted “any effect of” in the third paragraph under Section 17.1.</p>	B.2, Pt B, Page 34
27	<p>Inserted the following as the fourth paragraph under Section 17.1, Authority-Directed Changes:</p> <p>“To the extent the Contractor performs any changed or extra work without receiving a directive letter or Change Order executed by the Authority, the</p>	B.2, Pt B, Page 35



Addendum No.: 3

RFP Document: Book 2, Part B, General Provisions

New Document

Revised Document

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Change No.	Description	Location
	<p>Contractor shall be deemed to have performed such work voluntarily and shall not be entitled to a Change Order in connection therewith, and may be required to remove or otherwise undo such work at its sole cost."</p> <p>Replaced the following at the end of the first paragraph:</p> <p>"any circumstance that causes a change in the Contractor's obligations shall be treated as a Change Order under this Clause provided, that:"</p> <p>With the following:</p> <p>"the Contractor shall be entitled to a Change Order for any circumstance that increases the Contract Price and/or Utility/Third Party Provisional Sum or extends a Completion Deadline only to the extent the General Provisions or Special Provisions expressly state that such circumstance entitles the Contractor to an equitable adjustment under this clause."</p> <p>Inserted "Contractor shall bear full responsibility for the costs and delays of all other events for which the Contract Documents do not expressly entitle the Contractor to an equitable adjustment hereunder." in the second paragraph of Section 17.2, Contractor Right to Request Time Extension and Price Increase.</p> <p>Inserted "Delivery of Notice" as Section 17.3 and inserted the following as the introductory sentence there under:</p> <p>"As a condition precedent to the Contractor's right to a Change Order, the Contractor shall provide written notice to"</p> <p>Replaced "event or condition" with "circumstance" as the second bullet under Section 17.3.</p> <p>Deleted "event or" from the second paragraph and "Except as provided in Section 17.1 or Section 17.2, no circumstance, order, statement or conduct of the Authority shall be treated as a change, modification, amendment to entitle the Contractor to an equitable adjustment" from the third paragraph under section 17.3.</p>	
28	<p>Replaced "event or situation" with "circumstance" in the fourth paragraph, then replaced the following as the last paragraph under Section 17.3:</p> <p>Equitable Adjustment</p>	B.2, Pt B, Page 36



Addendum No.: 3

RFP Document: Book 2, Part B, General Provisions

New Document

Revised Document

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Change No.	Description	Location
	<p>Subject to complying with the requirements of this "Changes" clause, in any change under this "Changes" clause causes an increase or decrease in the Contractor's cost of, or the time required for, the performance of any part of the Work under this Contract, the Authority shall make an equitable adjustment and modify the Contract Price, Utility/Third Party Provisional Sum and/or any Completion Deadline in writing."</p> <p>With:</p> <p>"The written notification under Section 34 may also serve as a notice under this Section 17.3 provided that it meets the requirements under this Section 17.3.</p> <p>Insert "as a condition precedent to the Contractor's right to a Change Order, the Contractor shall submit to the Authority a" at the beginning of the first paragraph under Section 17.4, Proposal for Adjustment.</p> <p>Insert "The change Order and Change Order Proposal shall be prepared in from acceptable to the Authority and meet all applicable requirements of the Contract Documents" at the beginning of the second paragraph under the 17.4.</p> <p>Replaced "including" with "in form acceptable to the Authority stating that the" then inserted the following at the end of the end of the third paragraph under Section 17.4:</p> <p>"and has no reason to believe and does not believe that the factual basis for the Subcontractor's claim is falsely represented. Any Change Order Proposal involving Subcontractor Work shall be considered incomplete if it is not accompanied by such certificate."</p>	
29	<p>Deleted the following from the beginning of the seventh paragraph under section 17.4:</p> <p>"The Contractor may request a Change Order only for those events and situations that the Contract Documents expressly contemplate that a Change Order is permitted."</p> <p>Replaced "event or situation" with "circumstance" in the fifth line of the paragraph under Section 17.5, Importance of Timely Notice.</p>	B.2, Pt B, Page 37



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Change No.	Description	Location
30	<p>Inserted "allowable, allocable and reasonable" in the third line and "Expenses excluded by the FAR shall not be reimbursed" in the last line of the paragraph under Section 19, Pricing of Adjustment.</p> <p>Deleted heading for Section 19.1, Requirements.</p> <p>Replaced all instances of "\$100,000" with "\$500,000" in the first, second, and fourth bullets under Section 19.</p>	B.2, Pt B, Page 39
31	<p>Inserted the following at the end of the second paragraph under Section 21, Price Reduction for Defective Cost or Pricing Data (Modifications):</p> <p>"the Contractor or a Subcontractor furnished cost or pricing data that was not complete, accurate and current as certified in its respective Certificate of Current Cost or Pricing Data, the price shall be reduced accordingly and the Contract shall be modified to reflect the reduction."</p> <p>Deleted the following after the second paragraph under Section 21:</p> <p>The Contractor or subcontractor furnished cost or pricing data and were not complete, accurate, and current as certified in its respective Certificate of Current Cost or Pricing Data</p> <p>A subcontractor or prospective subcontractor furnished to the Contractor (in support of the subcontractor cost estimates) cost or pricing data that were not complete, accurate, and current as certified in the Contractor's Certified of Current Cost or Pricing Data, or</p> <p>Any of these parties furnished data of any description that were not accurate, the price shall be reduced accordingly and the Contract shall be modified to reflect the reduction."</p>	B.2, Pt B, Page 40
32	<p>Inserted the following as the first bullet after the first paragraph under Section 23, Equitable Adjustments:</p> <p>"The Change Order Proposal shall include a narrative justification therefor, specifically referring to the applicable provisions of the General Provisions and Special Provisions that permit a Change Order to be issued and describing the data that establishes the necessary amount of such proposed change."</p>	B.2, Pt B, Page 41



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Change No.	Description	Location
33	Replace "The" with "If the Contractor claims that a circumstance affects the Critical Path, the" at the beginning of the fifth bullet and inserted "The Contractor shall provide such other documentation as may be required by the Authority" as the last bullet under Section 23.	B.2, Pt B, Page 42
34	Deleted "As provided in Section 58.4, the Contractor shall not be entitled to delay damages to the extent of available Total Float" from the last paragraph under Section 23.4, Limitation on Delay and Disruption Damages.	B.2, Pt B, Page 43
35	Inserted the following as a new section after Section 24.4, Share Savings: "Use of VECPs by Authority All approved or disapproved VECPs and negotiated changes will become the property of the Authority, and shall contain no restrictions imposed by the Contractor on their use or disclosure. The Authority retains the right to use, duplicate and disclose in whole or in part any data necessary for the utilization of the VECP on any other or subsequent projects without any obligation to the Contractor. This provision is not intended to deny rights provided by Law with respect to patented materials or processes." Replaced "currently" with "concurrently in the first paragraph under Section 25, Escrowed Proposal Documents.	B.2, Pt B, Page 46
36	Replaced "Schedule of Values" with "schedules, payment milestones" in the paragraph under Section 25.1, Available for Review.	B.2, Pt B, Page 47
37	Deleted "for review sixty (60) days following Initial Notice to Proceed. The Authority will provide a Statement of No Objection (SONO) following review" and inserted "subject to a SONO within 60 days following NTP" at the end of the first paragraph under Section 26.2.5, Submittals.	B.2, Pt B, Page 58
38	Deleted "that any person or entity has or may have" from the first paragraph under section 28.1, Indemnification	B.2, Pt B, Page 61
39	Moved section title "Design Defects" to become Section 28.3 and deleted "that any person or entity has or may have" from the first paragraph	B.2, Pt B, Page



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	under this same section.	62
40	Deleted the following as the last paragraph under Section 28.3: "Except as permitted by Civil Code section 2781.1, 2782.2 and 2728.5, such indemnities shall not inure to the benefit of an Indemnified Person so as to impose liability on the Contractor for the active negligence of an Indemnified Person, or to relieve an Indemnified Person of liability for such active negligence."	B.2, Pt B, Page 63
41	Deleted "preliminary", "cumulative", and "will be confirmed in writing by the Authority" from the first and second lines then inserted "on a cumulative and aggregate basis" in the second line of the first paragraph under Section 30, Invoicing and Payment. Then inserted "milestone" in the last line of the second paragraph of Section 30.	B.2, Pt B, Page 64
42	Inserted "Each invoice submitted by the Contractor shall be in a form approved by the Authority" at the beginning of the sixth paragraph under Section 30, Invoicing and Payment. Inserted "Evidence acceptable to the Authority that each milestones for which payment is requested is complete" at the second bullet to the list under the sixth paragraph of Section 30. Inserted the following to the end of the paragraph under Section 30.2, Prompt Payment and Payment to Subcontractor: "The Contractor shall, by appropriate agreement with each Subcontractor, require each Subcontractor to make payments to sub-subcontractors and suppliers in a similar manner. The Authority shall have no obligation to pay or to see to the payment of money to a Subcontractor, except as may otherwise be required by law."	B.2, Pt B, Page 65
43	Replaced "Retention" with "Retainage in the fourth line of the third paragraph and inserted the following after the fifth paragraph of Section 30.3, Retainage: "The Authority agrees to release the remaining retainage by the later of	B.2, Pt B, Pages 66-67



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	<p>(a) 60 days after the Final Acceptance Date or (b) 30 days following receipt of an approved Invoice therefor, subject to reduction as specified below and subject to the following terms and conditions. At such time the Authority shall release to the Contractor all remaining retainage other than amounts applied (or retained for future application) to the payment of Liquidated Damages or which the Authority deems advisable, in its sole discretion, to retain to cover any existing or threatened Disputes, claims, Liens and stop notices relating to the Project, or the cost of any uncompleted or nonconforming Work (including uncompleted Warranty Work). Final payment of such retainage not applied to Liquidated Damages shall be made upon the Contractor’s showing, to the Authority’s reasonable satisfaction, that all such matters have been resolved, including delivery to the Authority of a certification representing that there are no outstanding claims of the Contractor or any claims, Liens or stop notices of any Subcontractor, Supplier or laborer with respect to the Work.</p> <p>The Contractor shall have the right to substitute securities or a letter of credit for the Retainage pursuant to the procedures contained in Public Contract Code Section 22300. No such substitution shall be accepted until such securities or letter of credit have been approved by the Authority as qualifying for substitution based on the Authority’s assessment of creditworthiness and other factors, the value of such securities has been established to the Authority’s reasonable satisfaction, the parties have entered into an escrow agreement (if the securities are to be held in escrow) in form substantially similar to that contained in Section 22300, and all documentation necessary for assignment of the securities to the Authority or to the escrow agent, as appropriate, has been delivered in form reasonably satisfactory to the Authority.</p> <p>If the Contractor has substituted securities for any of the Retainage, then the Authority may request that such securities be revalued from time to time, but not more often than monthly. Such revaluation would be made by a Person designated by the Authority and approved by the Contractor. If such revaluation results in a determination that such securities have a market value which is less than the amount of Retainage for which they were substituted, then notwithstanding anything to the contrary contained herein, the amount of the Retainage required under the Contract shall be increased by such difference in market value. Such increased Retainage</p>	



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	shall be withheld from the next payment due the Contractor hereunder."	
44	<p>Inserted the following as a new Section 30.4, Deductions:</p> <p>"In addition to the deductions provided for under the "Retainage" clause (Section 30.3), the Authority may deduct from each payment the following:</p> <ul style="list-style-type: none"> • Any Liquidated Damages which have accrued as of the date of the application for payment; • If a notice to stop payment is filed with the Authority due to the Contractor's failure to pay for labor or materials used in the Work, money due for such labor or materials, plus the 25 percent prescribed by law, will be withheld from payment to the Contractor. In accordance with Section 3196 of the Civil Code, the Authority may accept a bond by a corporate surety in lieu of withholding payment; • Any sums expended by the Authority in performing any of the Contractor's obligations under the Contract which the Contractor has failed to perform; and • Any other sums that the Authority is entitled to recover from the Contractor. <p>The Authority shall have the right to deduct any amount owed by the Contractor to the Authority hereunder from any amounts owed by the Authority to the Contractor hereunder.</p> <p>The failure by the Authority to deduct any of these sums from a payment shall not constitute a waiver of the Authority's right to such sums."</p>	B.2, Pt B, Page 66
45	<p>Inserted the following after the first line of the paragraph under Section 30.6, Federal, State, and Local Taxes:</p> <p>"In the event that an exemption from sales taxes becomes available for the Project, the Authority shall have no obligation to reimburse the Contractor for any such taxes, and the Authority shall be entitled to an equitable adjustment under the "Changes" clause (Section 17) equal to the amount saved."</p>	B.2, Pt B, Page 68
46	Added "; Limitation of Contractor's Liability" to the heading for Section 33	B.2, Pt B, Page



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Change No.	Description	Location
	and inserted "Consequential Damages" as a new heading Section 33.1.	70
47	<p>Insert the following as the last bullet under section 33.1, Consequential Damages:</p> <p>"The Contractor's obligation to pay the Authority's costs of repair or of correcting or replacing non-conforming Work."</p> <p>Inserted the following as a new section 33.2, Limitation of Contractor's Liability:</p> <p>"The Contractor's liability to the Authority for damages resulting from breach of the Contract shall be limited to the sum of:</p> <p>All those costs reasonably incurred by the Authority or any party acting on the Authority's behalf (minus the unpaid portion of the Contract Price) in completing the Work or having the Work completed by another Person;</p> <ul style="list-style-type: none"> • All those costs reasonably incurred by the Authority or any party acting on the Authority's behalf in correcting the Work or having the Work corrected by another Person; and • An amount equal to 50 percent of the Total Contract Price; <p>provided, however, that excluded from the cap will be:</p> <ul style="list-style-type: none"> • Losses (including defense costs) to the extent covered by (a) the proceeds of insurance required to be carried under the Contract or (b) the proceeds of insurance actually carried by or insuring the Contractor under policies solely with respect to the Project and the Work; • Any Liquidated Damages paid; and • Any type of cost arising from fraud, gross negligence, intentional misconduct or criminal acts of any Contractor-Related Entity. <p>This limitation of liability shall not affect the Contractor's obligation to provide insurance hereunder."</p> <p>Replaced "items of Archeological, Geological, or Biological Significance" with "archaeological, paleontological, cultural, biological or other protected resources within the Project right-of-way" at the third and fourth lines of the paragraph under Section 34.1, Notification to the Authority.</p>	B.2, Pt B, Page 71



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Change No.	Description	Location
48	<p>Deleted the following:</p> <p>"Authority shall be responsible for and agrees to issue Change Orders to compensate the Contractor for"</p> <p>And replaced with:</p> <p>"The Contractor may request an equitable adjustment in accordance with the "Changes" clause (Section 17) of the General Provisions for" at the end of the paragraph under Section 34.1, Notification to the Authority.</p> <p>Replaced "If any Items of Archeological, Geological or Biological Significance" and with "If any archaeological, paleontological, cultural, biological or other protected resources" in the sixth and seventh lines of the paragraph under Section 34.2, Further Investigation.</p>	B.2, Pt B, Page 72
49	<p>Moved Section 35, "Notice of Labor Disputes" to become Section 6.7 and Section 36 "Order of Precedence" to become Section 2 and renamed section 35 and 36 to "Not Used."</p> <p>Moved Section 38, Severability down to become Section 61.14 and Section 38 was renamed to "Not Used."</p>	B.2, Pt B, Page 73
50	<p>Inserted the following as a new section 39.3, Responsibilities of Contractor During Suspension:</p> <p>"During periods that Work is suspended, the Contractor shall continue to be responsible for the Work and shall prevent damage or injury to the Project, provide for drainage and erect necessary temporary structures, signs or other facilities required to maintain the Project."</p> <p>Inserted "as determined by the Authority in the Authority's sole discretion" in the first and second lines under Section 40, Termination for Convenience.</p> <p>Deleted the following from the end of Section 40:</p> <p>"Contractor and all Subcontractors will not be entitled to anticipatory or unearned profit or consequential or other damages as a result of a termination or partial termination for convenience."</p>	B.2, Pt B, Page 74



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Change No.	Description	Location
51	Inserted "or any subcontractor" in the first line of the paragraph under Section 40.4, No Unearned Profit or Consequential Damages.	B.2, Pt B, Page 75
52	<p>Inserted the following as a new section 40.7, Suspension of Work:</p> <p>"In the event of any suspension for convenience of all Work by the Authority under the "Suspension for Convenience" clause (Section 39.2) of the General Provisions for more than 180 consecutive days, the Contractor shall have the right to consider the Contract to have been terminated for convenience under this "Termination for Convenience" clause. The Contractor shall notify the Authority of such election by delivering to the Authority a written notice of termination due to such suspension specifying its effective date. Upon delivery by the Contractor to the Authority of a notice of termination under this Section 40.7, the provisions of this "Termination for Convenience" clause shall apply."</p> <p>Inserted ", unless otherwise required by Law" in the first and fourth lines of the first paragraph under Section 41, Interest on Contractor Indebtedness.</p>	B.2, Pt B, Page 76
53	Change "Permits" to "Governmental Approvals" throughout the document	B.2, Pt B, Page 77-78
54	Deleted "Hazardous materials (including Lead and asbestos) encountered during the demolition of" and Inserted "Lead or asbestos in" the last bullet of Section 43, Hazardous Materials.	B.2, Pt B, Page 80
55	Corrected reference to California Code of Regulations in Section 45.3.1.6.2, Nondiscrimination Clause.	B.2, Pt B, Page 94
56	<p>Inserted the following into the first, second and third lines of the paragraph under Section 46.7.1, Nondiscrimination:</p> <p>"Section 303 of the Age Discrimination Act of 1975, as amended; 42 U.S.C. § 6102, Section 202 of the Americans with Disabilities Act of 1990; 42 U.S.C. § 12132; and 49 U.S.C. § 306,"</p> <p>Inserted "religion", "sex, age or disability" in to the fourth and fifth lines of</p>	B.2, Pt B, Page 98



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	<p>the paragraph under Section 46.7.1</p> <p>Moved the following from Section 46.7.2.3, Disabilities up to Section 46.7.1, Nondiscrimination:</p> <p>"In addition, the Contractor agrees to comply with applicable federal implementing regulations and other implementing requirements that FRA may issue."</p>	
57	Inserted "In addition, the Contractor agrees to comply with any implementing requirements FRA may issue" at the end of the first paragraph under Section 46.7.2.3.	B.2, Pt B, Page 99
58	Deleted "selected" from the second line of the paragraph under Section 46.13, General Federal Labor Requirements	B.2, Pt B, Page 104
59	Updated Section references under Section 46.16.8, Insertion in Subcontracts.	B.2, Pt B, Page 113
60	Updated Section cross references under Sections 49.1.3.1.1., Amount of Utility/Third Party Provisional Sum and 49.1.3.1.2, Provisional Sum Relocations.	B.2, Pt B, Page 123
61	<p>Deleted "first one hundred-eighty (180) days after" from the first line of the first bullet under Section 49.1.5.1, Inaccuracy Increasing the Work and inserted "period commencing on" and "and ending on the later of 180 days after such NTP or 90 days after the Contractor is provided access to the affected right-of-way, the".</p> <p>Inserted the following as the first sentence in the second bullet under Section 49.1.5.1:</p> <p>"After said period ending on the later of 180 days after the applicable NTP or 90 days after the Contractor is provided access to the affected right-of-way"</p>	B.2, Pt B, Page 127
62	Replaced "The indicated horizontal centerline location is more than two fee distant from the actual location; or" with "The Utility Information shows the Utility as being located outside the Project right-of-way when in	B.2, Pt B, Page 128



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	fact the Utility is inside the Project right-of-way, or vice versa; or	
63	Deleted the following from between Sections 49.1.13.2 and 49.1.13.3: "Advanced Relocations With respect to any Relocation to be completed prior to the date on which the NTP applicable to the affected Third Party Facility Work is issued, Contractor shall be entitled to an extension of any affect Completion Deadline to the extent that any delay in a Critical Path is directly attributable to any delay by a Third Party in completing such Relocation prior to the applicable NTP."	B.2, Pt B, Page 135
64	Replaced "Payment and Performance Bonds" with "payment and performance bonds required hereunder" in the third and fourth lines of the paragraph under Section 49.1.15, Bonds and Insurance.	B.2, Pt B, Page 137
65	Corrected the definition for "Incidental Utility Work" under Section 49.1.16, Utility and Public Facility Definitions to the following: "All of the following work necessary for construction of the Project, including any necessary coordination with Utility Owners and property owners, furnishing design, performing construction, obtaining and complying with required Governmental Approvals and preparing as-built surveys:" Deleted "Design, construction", "as-built surveys" and "obtaining permits required for Utility Relocation work and" respectively from the last three bullets under the definition for Incidental Utility Work under Section 49.1.16.	B.2, Pt B, Page 138
66	Replaced "passed along" with Invoice and deleted "as a normal costof the Project as a part of the Provisional Sum" in Section 50.3, Partnering Cost Allocation.	B.2, Pt B, Page 142
67	Deleted the following from Section 51.3, Disputes Resolution Board: "Although the decision of the DRB should carry great weight for both the Authority and the Contractor, except as specified in Section 51.4, they are	B.2, Pt B, Page 145



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	not binding on the parties unless the amount in controversy exceeds \$1,000,000.00.	
68	Deleted the following from the third paragraph under Section 51.6.5, Compensation: "Refer to the List of Bid Items (Book3) Providing for the reimbursement of the Contractor's share of the DRB expenses."	B.2, Pt B, Page 152
69	Deleted two instances of "review and comment" and replaced with "subject to a SONO" under Section 53.1.2.1, Contractor's Public Involvement Plan.	B.2, Pt B, Page 155
70	Reworded the first paragraph under Section 53.2.1, Notice Requirements as follows: "The Contractor shall comply with all Utility shut-off/diversion arrangements and notifications requirements established in the Master Agreements and any additional such arrangements and requirements established in the Task Orders."	B.2, Pt B, Page 157
71	Replaced "review and comment" with "subject to SONO" in the paragraph under Section 53.3.3, Change to Access.	B.2, Pt B, Page 159
72	Deleted Section 56, Reliability, Availability, Maintainability and Safety (RAMS) Requirements and renamed to "Not Used".	B.2, Pt B, Page 167
73	Deleted the following under Section 58, Project Controls: "Any Contractor submittal that receives a Statement of no Objection with comments, the Contracto shall address or incorporate those comments within 14 days of receipt and re-submit."	B.2, Pt B, Page 170
74	Inserted the following at the end of the third full paragraph under Section 58.2, Baseline Schedule: "Payment milestones shall be coded to the WBS template provided by the Authority."	B.2, Pt B, Page 171



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75	<p>Inserted the following at the end of the paragraph under Section 58.3, Three Week Look-ahead Schedule:</p> <p>"of all planned work to be performed in sufficient detail as agreed with the Authority."</p>	B.2, Pt B, Page 172
76	<p>Deleted ", a Delay or a Time Extension" from the first line then "or delay on any specified intermediate milestone dates(s) or Contract completion date." From the second and third lines and inserted "on the Completion Deadlines" of the fifth paragraph under Section 58.3, Three Week Look-ahead Schedule.</p> <p>Deleted the following from the eight paragraph under Section 58.3, Three Week Look-ahead Schedule:</p> <p>"Total Float. Total Float belongs to the Contractor for purposes of determining whether or not the Contractor is entitled to an extension of any Completion Deadline, provided that in no event shall the Contractor be entitled to the benefit of any Total Float for purposes of determining delay damages pursuant to Section 23.4."</p> <p>And inserted:</p> <p>"Total Float." Total Float shall be considered a Project resource available to either Party."</p> <p>Replaced "State of California observed holidays" with "Authority Designated Holidays" from the eleventh paragraph under Section 58.3.</p> <p>Inserted "and activity durations" from the thirteenth paragraph under Section 58.3.</p>	B.2, Pt B, Page 175
77	<p>Deleted "No lags are allowed to Finish-to State relationships" as the fourth bullet of the second bulleted list under Section 58.3, Three Week Look-ahead Schedule.</p> <p>Deleted "Total Float is defined as the lesser of the difference between an activity's Early state and its Late Start, and the difference between activity's Early Finish and its Late Finish" As the last bullet under Section 58.3.</p>	B.2, Pt B, Page 176



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Change No.	Description	Location
78	Deleted "In Particular, the Contractor shall be responsible for the following:" from the end of the third paragraph under Section 58.4, Risk Management.	B.2, Pt B, Page 177
79	Deleted "right-of-way policy. Performance of right-of-way functions that include but are not limited to coordinating" and inserted "Right-of-Way Policy. The Authority shall coordinate" from the second line of the paragraph under 59.1.1, The Authority's Role.	B.2, Pt B, Page 178
80	Inserted "(except for additional right-of-way required to allow the Contractor's design concepts to be incorporated into the Project)" in the seventh and eighth lines of the first paragraph under Section 59.4.3, Identification of Additional Right-of-Way.	B.2, Pt B, Page 180
81	Reworded the first paragraph under Section 59.4.4, Demolition and Clearance as follows: "The Contractor is responsible for demolition and clearance of each parcel of the Project right-of-way, including removal of all structures and foundations and clearance of any Hazardous Materials, at the time the Authority acquires the right-of-way and gives written notice to the Contractor, unless otherwise specifically indicated in the written notice." Deleted "including clearance of any Hazardous Materials or substances" from the end of the second paragraph under Section 59.4.4.	B.2, Pt B, Page 181
82	Inserted three instances of "SONOs" under Section 61.2, Effect of Oversight, Reviews, Tests, Acceptance and Approvals.	B.2, Pt B, Page 183
83	Inserted the following at the second line of the first paragraph under Section 61.5, Interpretation: "the words "including," "includes" and "include" shall be deemed to be followed by the words "without limitation";" And the following at the end of the first paragraph under Section 61.5: "In sentences using the imperative, unless otherwise specifically stated, the subject "the Contractor" is implied and it is understood the Contractor	B.2, Pt B, Page 184



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	shall perform such work, comply with the requirements of, furnish such material or take such action."	
84	<p>The following was moved from Section 16, Authority's Right to Carry Out the Work to become the second paragraph under Section 61.8, Successors and Assigns:</p> <p>"The Contractor shall not assign the whole or any part of this Contract, or any monies due or to become due hereunder, without the prior written consent of the Authority."</p> <p>And inserted the following:</p> <p>"The Authority may assign without the Contractor's consent all or any portion of the Contract, payment and performance bonds hereunder or guaranty hereunder to any Person that succeeds to the governmental powers and authority of the Authority."</p>	B.2, Pt B, Page 185
85	<p>Inserted the following as Sections 61.11-61.14:</p> <p>"Independent Contractor</p> <p>The Contractor at all times shall be an independent contractor. The Contractor shall be fully responsible for all acts and omissions of all Contractor-Related Entities and their employees, and shall be specifically responsible for sufficient supervision and inspection to ensure compliance in every respect with the Contract requirements. There shall be no contractual relationship between any Subcontractor or supplier of the Contractor and the Authority by virtue of this Contract. No provision of this Contract shall be for the benefit of any party other than the Authority and the Contractor.</p> <p>Joint and Several Liability</p> <p>If the Contractor is a joint-venture, each joint venture member shall be jointly and severally liable hereunder.</p> <p>Governing Law</p> <p>The Contract Documents shall be governed by and construed in accordance with the law of the State, without regard to conflict of law principles. Venue for any arbitration action shall lie exclusively in</p>	B.2, Pt B, Page 186



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	<p>Sacramento County, California.</p> <p>Severability</p> <p>If any provision of this Contract, or the application thereof to any Person or circumstances, is rendered or declared illegal for any reason, or shall be invalid or unenforceable, the remainder of this Contract and the application of such provision to other Persons or circumstances shall not be affected thereby but shall be enforced to the greatest extent permitted by applicable Law. The Parties agree to negotiate in good faith for a proper amendment to this Contract in the event any provision hereof is declared illegal, invalid or unenforceable, including an equitable adjustment to the Contract Price to account for any change in the Work resulting from such invalidated portion.”</p>	
86	<p>Moved the Public Records Act language from Section 61 to become Section 13.4</p> <p>Moved the following from Section 61 to become part of Section 7.9, Risk of Loss; Protection of Existing Site:</p> <p>“The Contractor shall also have full responsibility for rebuilding, repairing and restoring all other property at the Site whether owned by the Contractor, the Authority or any other Person. Where necessary to protect the Work or materials from damage, the Contractor shall, at the Contractor's expense, provide suitable drainage of the Project and erect those temporary structures that are necessary to protect the Work or materials from damage.”</p>	B.2, Pt B, Page 187



Addendum No.: 3**RFP Document:** Book 2, Part C, Section 1 – Scope of Work New Document Revised Document Change Log Only

Change No.	Description	Location
1	<p>2 Preliminary Engineering Documents</p> <ol style="list-style-type: none"> 1. Deleted text in the first paragraph of section <i>a. Design Plans</i>: <i>"and Construction Package 1C (Alignment F1)"</i> 2. Deleted <i>"and"</i> in the second paragraph of section <i>a. Design Plans</i>, before <i>"Construction Package 1B"</i>. 3. Added text in the second paragraph of section <i>a. Design Plans</i> after <i>"Construction Package 1B"</i>: <i>", and Construction Package 1C (Alignment F1)"</i> 4. Added a fourth bullet point under the first dashed point of section <i>d. Electronic Files</i>: <ul style="list-style-type: none"> ▪ <i>"Sheet DGN Files"</i> 5. Added new dashed point after third dash point of section <i>d. Electronic Files</i>: – <i>"Geotechnical Electronic Data"</i> 6. Changed second to the last paragraph of <i>d. Electronic Files</i> to: <i>"The Design Variance Report is found in Book 3 of this Procurement Package. The remaining above-identified Preliminary Engineering documents can be found in Book 4 of this Procurement Package."</i> 	AD.2 - B2 - Pt C.1, Page 2 and Page 3



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Change No.	Description	Location
2	<p>3.1 CP1A, Hybrid Alternative Segment– South of Avenue 17 to North of Veterans Boulevard (alignment generally along the existing BNSF Railway)</p> <p>1. Changed second paragraph to:</p> <p><i>"The majority of the construction will be on embankment approximately 4 to 5 feet high. Major structural elements for consideration are three major bridges at the Fresno River and SR145, Cottonwood Creek, and the San Joaquin River. The work will be subject to seasonal construction constraints as defined in the Final Environmental Documents. In addition, there are nine 2-lane grade separated structures. The San Joaquin River Bridge is approximately 2.3 miles long. Construction includes demolition, site clearing, utility relocations, roadway construction, 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>	AD.2 - 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>1. Changed second paragraph to:</p> <p><i>"Additional major construction elements include seven grade separated structures, realignment of State and local roads including Golden State Boulevard and SR-99 (including a new interchange at West Clinton Avenue), as well as 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>	AD.2 - B2 - Pt C.1, Page 4



Addendum No.: 3**RFP Document:** Book 2, Part C, Section 1 – Scope of Work New Document Revised Document Change Log Only

Change No.	Description	Location
4	<p>3.3 CP1B Segment – North of Stanislaus Street to South of Santa Clara Street</p> <p>1. Changed second paragraph to:</p> <p><i>"Major work elements for this section include necessary civil work for the at-grade track section and four (4) grade separations at Stanislaus Street, Tulare Street, Fresno Street, and Ventura Street, demolition of existing Tuolumne Street overcrossing, reconfiguration of local streets per City of Fresno requirements, as well as 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>	AD.2 - B2 - Pt C.1, Page 5
5	<p>3.4 CP1C, Alignment F1, Segment – South of Santa Clara Street to South of East American Avenue</p> <p>1. Changed third paragraph to:</p> <p><i>"The construction effort will also include demolition, site clearing, 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>	AD.2 - B2 - Pt C.1, Page 5



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Change No.	Description	Location
6	<p>3.5 Limits of Work for Enabling Facilities</p> <p>1. Added text end of section:</p> <p><i>"Based on preliminary engineering and Third-Party coordination efforts achieved to date, Contractor shall be aware of the following local conditions that have informed the preliminary design included in Book 4 of this Procurement Package. As delineated in this Scope of Work, Contractor shall be responsible for confirming these and all other design and location issues with the impacted Third Parties through the course of final design and construction. These include but are not limited to the following items:</i></p> <ul style="list-style-type: none"> • <i>Maintenance and access provisions as required by the local irrigation and flood control districts.</i> • <i>Compliance with general plans for by the cities and counties of Madera and Fresno, with respect to future works.</i> • <i>Consider local and state regulations with regard to impacts to sensitive areas, such as campgrounds and schools.</i> • <i>Veterans Boulevard – do not preclude future Veterans Boulevard work.</i> • <i>S. Cedar Ave – consider future 2-lane widening and profile raise of 2.5 feet.</i> • <i>SR99 in South Fresno – do not preclude future Caltrans widening in median or outside shoulders.</i> • <i>Fresno St. underpass - preserve existing UPRR grade separation to minimize disruption to freight operations.</i> • <i>Belmont Ave and Olive Ave - offset proposed grade separations to maintain traffic on the existing roadways as long as possible.</i> • <i>Jensen Ave - identified as Extra Legal Load Network roadway; traffic must be maintained at all times.</i> • <i>Box under SR180 - extend under entire Caltrans ROW for SR180 to preserve future Caltrans improvements.</i> • <i>Avoid impacts (temporary and permanent) to Roeding Park.</i> • <i>Work in the vicinity of the existing Golden State Boulevard ramps will require coordination with the City of Fresno. The City of Fresno is responsible for the demolition of these ramp structures just north of SR41."</i> 	AD.2 – B2 – Pt C.1, Page 6



Addendum No.: 3**RFP Document:** Book 2, Part C, Section 1 – Scope of Work New Document Revised Document Change Log Only

Change No.	Description	Location
7	<p>4.1 General</p> <p>Per the response to CP01-RFI-0075 and CP01-RFI-0084,</p> <ol style="list-style-type: none"> Deleted 17th bullet point "<i>Maintenance</i>". Added the following text at the end of the third paragraph: <i>"Degradation refers not only to erosion of fill/existing soils as a result of rainfall and wind, but also to potential damage caused by animal burrowing, vandalism, and other environmental factors (such as flooding) not evident at the time of construction."</i> 	AD.2 - B2 - Pt C.1, Page 7 and Page 8
8	<p>4.2.1.1 CHSTP Design Criteria</p> <ol style="list-style-type: none"> Changed fourth paragraph to: <i>"Contractor shall refer to the Authority's Design Variance Guidelines and CHSTP Design Criteria in Book 3 of this Procurement Package for definition on design variance process and criteria thresholds, respectively. Design Variance Requests are location-specific. Design Variance Requests are subject to Configuration Management and Change Control. Contractor shall not assume that additional Design Variance Requests, beyond those included in the Preliminary Design Variance Report provided in Book 3 of this Procurement Package, will be approved. Refer to Design Variances (Section 4.14) in this Scope of Work."</i> 	AD.2 - B2 - Pt C.1, Page 9
9	<p>4.2.1.4 Fresno Street Construction Plans and Specifications by Caltrans</p> <ol style="list-style-type: none"> Added new section after section 4.2.1.3: <i>"4.2.1.4 Fresno Street Construction Plans and Specifications by Caltrans Caltrans has prepared construction plans and specifications for the Fresno Street roadway undercrossing. These plans have been included in Book 4 for Contractor's reference. Contractor shall be responsible for achieving an integrated design and construction, inclusive of the Fresno Street improvements, the high-speed rail infrastructure, and securing concurrence, permits, and approvals. Contractor may choose to use the reference plans prepared by Caltrans at its sole discretion, and shall not rely on them without completing due diligence per Contractor's design-build responsibilities."</i> 	AD.2 - B2 - Pt C.1, Page 10



Addendum No.: 3**RFP Document:** Book 2, Part C, Section 1 – Scope of Work New Document Revised Document Change Log Only

Change No.	Description	Location
10	<p>4.11 CHSTP Design Submittals</p> <p>1. Deleted text after first sentence of first paragraph:</p> <p><i>"Unless otherwise noted, Submittals will be reviewed and a determination by the Authority will be issued as follows:</i></p> <ul style="list-style-type: none"> • <i>Statement of No Objection (SONO)</i> • <i>Statement of No Objection with incorporation of comments</i> • <i>Objection with comments requiring Resubmittal"</i> <p>2. Added text after "Design Baseline Report" under the bullet point "Design Reports" of the sixth paragraph:</p> <p><i>"(subject to Authority approval as noted in Section 4.9.1)"</i></p> <p>3. Added new bullet point between "Construction Specifications" and "Electronic Submittal Files...":</p> <ul style="list-style-type: none"> • <i>"Ready for Construction (RFC) Submittals (subject to Authority approval as noted in Section 4.13)"</i> 	AD.2 - B2 - Pt C.1, Page 16 and Page 17
11	<p>4.13 Ready for Construction (RFC) Submittals</p> <p>1. Added text after the first sentence of the first paragraph:</p> <p><i>"These shall be submitted to the Authority for approval. Authority's nominal review period for RFC submittals is twenty business days. Contractor's attention is directed to Section 61.2 of the General Provisions."</i></p> <p>2. Deleted text after first sentence of first paragraph:</p> <p><i>"Unless otherwise noted, Submittals will be reviewed and a determination by the Authority will be issued as follows:</i></p> <p><i>Statement of No Objection (SONO)</i></p> <p><i>Statement of No Objection with incorporation of comments</i></p> <p><i>Objection with comments requiring Resubmittal"</i></p>	AD.2 - B2 - Pt C.1, Page 18
12	<p>4.14 Design Variances</p> <p>1. Changed first paragraph to:</p> <p><i>"Design variances have been preliminarily approved for specific conditions and locations based on preliminary engineering studies, and are identified in the Preliminary Design Variance Report(s) included in</i></p>	AD.2 - B2 - Pt C.1, Page 19



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Change No.	Description	Location
	<p><i>Book 3 of this Procurement Package. Final approval of these Preliminary Design Variances will occur upon Contractor's Design Variance Request submittal(s) during final design, if still applicable."</i></p> <p>2. Changed second paragraph to:</p> <p><i>"Contractor shall review the Preliminary Design Variance Report and determine if design modifications can be incorporated into the Design Baseline Report to achieve the design criteria and not require a design variance. Regardless of previous approvals during preliminary engineering studies, Contractor shall submit a request for each preliminary and/or new design variance needed to support design and construction. Contractor shall obtain final approval of Design Variances prior to incorporation of a design variance into a Construction Package. Design Variance Requests are subject to the Authority's change control process. Contractor shall not assume that additional Design Variance Requests will be approved beyond those included in the Design Variance Report provided in Book 3 of this Procurement Package."</i></p> <p>3. Changed third paragraph to:</p> <p><i>"Contractor shall refer to the Authority's Design Variance Guidelines and CHSTP Design Criteria in Book 3 of this Procurement Package for definition on design variance process and criteria thresholds, respectively."</i></p> <p>4. Deleted fourth paragraph:</p> <p><i>"Contractor shall obtain approval of Design Variances prior to incorporation of a design variance into a Construction Package. Design Variance Requests are subject to the Authority's change control process. Contractor shall not assume that additional Design Variance Requests will be approved beyond those included in the Design Variance Report provided in Book 4 of this Procurement Package."</i></p>	
13	<p>5.3 Roadway Construction</p> <p>1. Deleted text from second paragraph:</p> <p><i>"Work by others for early construction of the Fresno Street grade separation project will require coordination with that contractor."</i></p>	AD.2 - B2 - Pt C.1, Page 21



Addendum No.: 3**RFP Document:** Book 2, Part C, Section 1 – Scope of Work New Document Revised Document Change Log Only

Change No.	Description	Location
14	<p>5.17 Maintainability</p> <p>1. Deleted entire section 5.17 Maintainability, and replaced it with the following sections:</p> <p><i>"5.17 Reliability, Availability and Maintainability (RAM)</i></p> <p><i>5.17.1 General</i></p> <p><i>5.17.2 Reliability</i></p> <p><i>5.17.3 Availability</i></p> <p><i>5.17.4 Maintainability"</i></p> <p>See addendum attachment for content of new sections.</p>	AD.2 - B2 - Pt C.1, Page 26 and Page 27

Addendum No.: 3**RFP Document:** Book 2, Part C, Section 5 – Scope of Work Attachment 4 – Scope Elements Matrix New Document Revised Document Change Log Only

Change No.	Description	Location
1	<p>Added a note in the header:</p> <p><i>"THE WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING WORK ELEMENTS"</i></p>	B2 – Pt C.5 Attachment 4
2	Added a column for numbering the work elements.	B2 – Pt C.5 Attachment 4
3	For Site Work, Earthwork changed Item: "Prepared Subgrade" to "Subgrade".	B2 – Pt C.5 Attachment 4, Page 1 of 5
4	For Site Work, Earthwork changed Item: "Compact Fill" to "Compacted Fill".	B2 – Pt C.5 Attachment 4, Page 1 of 5



Addendum No.: 3Book 2, Part C, Section 5 – Scope of Work Attachment 4 – Scope Elements Matrix**RFP Document:** New Document Revised Document Change Log Only

Change No.	Description	Location
5	For Site Work, Access Control changed Item: "Fence and Foundation" to "Fence".	B2 – Pt C.5 Attachment 4, Page 1 of 5
6	For Site Work, Trackway Drainage changed Item: "Geofabric" to "Geotextile Fabric / Geofabric".	B2 – Pt C.5 Attachment 4, Page 1 of 5
7	For Site Work, Trackway Drainage Item: "Energy Dissipators", added "Yes" in the "Reference column".	B2 – Pt C.5 Attachment 4, Page 2 of 5
8	For Structures, Cable Trough Item: "Cable Trough – Aerial Structure", added the following text in the "Instructions / Directions" column: <i>"Contractor shall design and construct the cable trough wall for the concrete parapet connection. Removable precast covers are not included. Refer to scope of work typical section exhibit."</i>	B2 – Pt C.5 Attachment 4, Page 2 of 5
9	For Structures, Cable Trough Item: "Cable Trough – Bored / Mined Tunnel", deleted entire row.	B2 – Pt C.5 Attachment 4, Page 2 of 5
10	For Structures, Cable Trough Item: "Removable Cable Trough Precast Covers", deleted entire row. This item is now included in the "Instructions / Directions" column for Structures, Cable Trough Item: "Cable Trough – Aerial Structure".	B2 – Pt C.5 Attachment 4, Page 2 of 5
11	For Structures, Retaining Wall changed Item: "Fall Protection and Flood Protection (If Required)" to "Fall Protection".	B2 – Pt C.5 Attachment 4, Page 2 of 5
12	For Structures, Retaining Wall, inserted new row under Item "Fall Protection" for Item: "Flood Protection / Intrusion Protection", "Yes" for CP01, and added the following text to the "Instructions / Directions" column: <i>"Wall heights may be higher as required for flood elevation and intrusion protection requirements."</i>	B2 – Pt C.5 Attachment 4, Page 2 of 5



Addendum No.: 3

Book 2, Part C, Section 5 – Scope of Work Attachment 4 – Scope Elements Matrix

RFP Document: New Document Revised Document Change Log Only

Change No.	Description	Location
13	For Aerial Struc., General Item: "Cable Trough Wall (Concrete Parapet Side)", deleted entire row. This item is now included in the "Instructions / Directions" column for Structures, Cable Trough Item: "Cable Trough – Aerial Structure".	B2 – Pt C.5 Attachment 4, Page 3 of 5
14	Deleted "Manual" in the "Instructions / Directions" column of the following Aerial Struc. Items: <i>"Expansion Joint",</i> <i>"Box Girder", and</i> <i>"Pier Cap, Pier, and Foundation"</i>	B2 – Pt C.5 Attachment 4, Page 3 of 5
15	For Trench/C&C, Deleted "C&C" in the "Discipline" column and rearranged the following Items: <i>"Fall Protection and Flood Protection", "Permanent Strut", and "Intermittent Roof Slab for Utility and Roadway Crossing"</i>	B2 – Pt C.5 Attachment 4, Page 3 of 5
16	For Trench, General changed Item "Fall Protection and Flood Protection" to "Fall Protection" and deleted "(if required)" in the "Instructions / Directions" column.	B2 – Pt C.5 Attachment 4, Page 3 of 5
17	For Trench, General inserted new row under Item "Fall Protection" for Item: "Flood Protection / Intrusion Protection", "Yes" for CP01, and added the following text to the "Instructions / Directions" column: <i>"Wall heights may be higher as required for flood elevation and intrusion protection requirements."</i>	B2 – Pt C.5 Attachment 4, Page 3 of 5
18	For Trench, General changed Item: <i>"Permanent Strut"</i> to <i>"Strut"</i>	B2 – Pt C.5 Attachment 4, Page 3 of 5



Addendum No.: 3**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 mandatory specifications: <i>03 15 23 Concrete Anchors</i>	B2 – Pt C.6, Attachment 5, Page 2
2	Per the response to CP01-RFI-0075, Inserted a mandatory item at <i>Section 31 05 00, Common Work Results for Earthwork: "3.3C. Erosion Protection"</i>	B2 – Pt C.6, Attachment 5, Page 4

Addendum No.: 3**RFP Document:** Book 2, Part C, Section 7 – Scope of Work Attachment 6 - Mandatory Special Specifications Listing New Document Revised Document Change Log Only

Change No.	Description	Location
1	Inserted a row for mandatory specifications: <i>02 01 11.23 Reconfiguration of Stanislaus and Tuolumne Streets</i>	B2 – Pt C.7, Attachment 6

Addendum No.: 3**RFP Document:** Book 3, Part B, Section 1 - Verification, Validation and Self-Certification New Document Revised Document Change Log Only

Change No.	Description	Location
1	2.2 Requirements Management Tool Clarified required license type "floating"	B3 - Pt B.1, Page 9
2	3.4 Authority's Representative Review 1. Changed first paragraph to: <i>"An Authority's Representative review does not define a hold point. The Contractor may proceed on his own risk. Hold points or approvals might</i>	B3 – Pt B.1, Page 26



Addendum No.: 3**RFP Document:** Book 3, Part B, Section 1 - Verification, Validation and Self-Certification New Document Revised Document Change Log Only

Change No.	Description	Location
	<p><i>be required for regulatory/legislative review or other reasons as pointed out elsewhere in the Contract."</i></p> <p>2. Changed third paragraph to:</p> <p><i>"The Authority's Representative will provide a review report for each submittal. Where the Contract Documents indicate that a Contractor submittal is subject to a SONO, the Authority will provide one of the following responses:</i></p> <ul style="list-style-type: none"> • <i>SONO;</i> • <i>SONO with comments; or</i> • <i>Statement of objection with comments."</i> <p>3. Added text after third paragraph:</p> <p><i>"If any Contractor submittal receives a SONO with comments, the Contractor shall address those comments and notify the Authority how it addressed those comments within 14 days after receipt of the Authority's SONO with comments, but is not required to resubmit the underlying document. If any Contractor submittal receives a statement of objection with comments, the Contractor shall address those comments and resubmit the underlying document within 14 days of receipt of the Authority's statement of objection with comments."</i></p>	
3	<p>3.5 V&V Submittals</p> <p>Clarified required license type "floating"</p>	B3 - Pt B.1, Page 27
4	<p>4 Appendix A - Interoperability Items</p> <p>Table fully updated following PMT review process. New interfaces and document references added.</p>	B3 - Pt B.1, Page 31-95



Addendum No.: 3

RFP Document: Book 3, Part B, Section 2 – CHSTP RAM Program Plan

New Document Revised Document Change Log Only

Change No.	Description	Location
1	Provided new document: "CHSTP RAM Program Plan"	B3 – Pt B.2

Addendum No.: 3

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

New Document Revised Document Change Log Only

Change No.	Description	Location
1	Inserted the Draft Master Agreements and Task Orders (if available) for the following third Party Entities: <ul style="list-style-type: none"> • City of Fresno • Fresno County • Fresno Irrigation District • Fresno Metropolitan Flood Control District • Madera County • Madera Irrigation District 	B.3, Pt D.1



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

Change No.	Description	Location
1	<p>3.3.1 Vertical Clearances</p> <p>1. Deleted text (Table 3-1, Row 1): "$V > 125$ mph"</p> <p>2. Added superscript after "24'-0"" (Table 3-1, Row 3): "(1)"</p> <p>3. Changed Note 1 of Table 3-1 (Page 3-2, Lines 13 to 16) to: <i>"These clearances assume that the width of the grade separated structure above the HST track is no more than 160 feet. Structures wider than 160 feet require further Engineer approval."</i></p>	B3 - Pt C.1, Page 3-2
2	<p>4.5.1 Maximum Grades</p> <p>1. Changed heading title from "Maximum Grades" to "Grades"</p> <p>2. Added paragraph (Page 4-10, between Lines 24 and 25): <i>"Minimum gradient through cuts, tunnels, and trenches shall be 0.25 percent."</i></p>	B3 - Pt C.1, Page 4-10
3	<p>4.5.2.1 Vertical Curve Acceleration Rates</p> <p>Changed "0.60 ft/sec²" to "0.90 ft/sec²" (Page 4-11, Line 5)</p>	B3 - Pt C.1, Page 4-11
4	<p>4.5.2.2 Vertical Curve Lengths (L_{VC})</p> <p>1. Changed heading title from "Vertical Curve Lengths" to "Minimum Vertical Curve Lengths"</p> <p>2. Added "The minimum" before the first sentence of the first paragraph (Page 4-11, Line 6).</p> <p>3. Changed equation (Page 4-11, Line 8) to: <i>"$L_{VC} = 3.5 V$ or $L_{VC} = 2.15 V^2 (\Delta\%/100) / 0.90 \text{ ft/sec}^2$, but not less than $200 \Delta\%$"</i></p> <p>4. Deleted the following text (Page 4-11, Lines 12 and 13): <i>"At a design speed of 250 mph, these formulas require the L_{VC} to be the longer of the following: $L_{VC} = 1,125$ feet or $L_{VC} = 2,250\Delta\%$"</i></p>	B3 - Pt C.1, Page 4-11



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

Change No.	Description	Location
5	<p>5.8.1.1 Subgrade</p> <p>Changed the second paragraph (Page 5-12, Lines 1 to 4) to:</p> <p><i>"The designer shall analyze the existing subgrade and determine whether the material is considered to be compressible, soft, loose, or otherwise unsuitable to support the design dead and live loads. If the existing subgrade is compressible, soft, loose, or otherwise unsuitable as described in the Standard Specifications, then it shall be either (1) removed and replaced with approved compacted backfill or (2) stabilized with ground improvement techniques to ensure settlement criteria in the Geotechnical chapter."</i></p>	B3 - Pt C.1, Page 5-12
6	<p>5.9.2 Transit System Type Plinth and Fasteners</p> <p>Per the response to CP01-RFI-0077,</p> <p>1. Deleted the last paragraph (Page 5-14, Lines 15 to 21):</p> <p><i>"The elastomer layer shall be not less than 1.00 inch in thickness, with the top and bottom plates in sum also being about 1.00 inch in thickness. Therefore, the fastener thickness shall be not less than 2.00 inches in thickness measured at the center of the rail seat. The top of rail to bottom of elastomer dimension shall be designed to be no less than 9.50 inches. The elastomer compression under the maximum design axle load shall not exceed 10 percent of the total thickness of the elastomer that is subject to deformation. The nominal plinth depth shall be taken as not less than 8 inches."</i></p>	B3 - Pt C.1, Page 5-14
7	<p>6.3.1.2 Protection Measures with Physical Barriers</p> <p>Corrected text (Page 6-2, Line 27) from:</p> <p><i>"65 to 102 feet"</i> to:</p> <p><i>"85 to 102 feet"</i></p>	B3 - Pt C.1, Page 6-2
8	<p>6.3.1.2 Protection Measures with Physical Barriers</p> <p>Per the response to CP01-RFI-0091,</p> <p>1. Added text (Page 6-2, Line 34) between <i>"pier or a wall"</i> and <i>", a 6-foot high"</i>:</p> <p><i>"(with the exception of a trench wall)"</i></p>	B3 - Pt C.1, Page 6-2



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

Change No.	Description	Location
9	<p>9.5.4.7 Casings</p> <p>Added bullet point (Page 9-11, after Line 36):</p> <ul style="list-style-type: none"> • <i>"Casings carrying fluids and gases shall be properly vented. Vent pipes shall be of sufficient diameter, but in no case less than 2 inches in diameter, projecting through the ground surface beyond the Authority's right-of-way line. Vent pipes shall extend no less than 4 feet above the ground surface. Top of vent pipes shall be fitted with a down-turned elbow, properly screened."</i> 	B3 - Pt C.1, Page 9-11
10	<p>9.5.5 Utility Clearances</p> <p>Changed bulleted item (Page 9-12, Line 20) from:</p> <ul style="list-style-type: none"> - <i>"Maintain 1 foot minimum vertical separation from drainage conduits"</i> <p>to:</p> <ul style="list-style-type: none"> - <i>"Maintain 3 feet minimum vertical separation from drainage pipes"</i> 	B3 - Pt C.1, Page 9-12
11	<p>9.5.6.2 Shut-off Valves</p> <p>Replaced paragraph (Page 9-14, Lines 23 to 28) to:</p> <p><i>"Accessible emergency shut-off valve(s) shall be installed as close to the Authority's right-of-way as practicable and as mutually agreed to by the Designer, the Authority, and the utility owner. These valves should be marked with signs for identification. Where there are existing automatic control shut-off valve stations at locations and within distances acceptable to the Authority, additional valve may not be required. Valves shall not be located within the Authority's right-of-way."</i></p>	B3 - Pt C.1, Page 9-14



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

Change No.	Description	Location
12	<p>10.4 Subsurface Investigation and Data Analysis</p> <p>Added the following paragraphs and bullet points (Page 10-3, between Lines 16 and 17):</p> <p><i>"In addition, the Geotechnical Designer shall undertake soil resistivity testing. The ability of soils to conduct electricity may have a significant impact on the corrosion of buried structures and the design of grounding systems. Accordingly, subsurface investigations shall include conducting appropriate investigations to obtain soil resistivity values. The following information and methodologies are required.</i></p> <ul style="list-style-type: none"> • <i>Soil resistivity readings shall be obtained to determine the electric conduction potential of soils at each traction power facility (supply/paralleling/switching station), which is spaced at approximately 5-mile intervals.</i> • <i>Resistivity measurements shall be obtained in accordance with Institute of Electrical and Electronics Engineers (IEEE) Standard 81-1983 - IEEE Guide for Measuring Earth Resistivity using the four-point method for determining soil resistivity. IEEE states that the four-point method is more accurate than the two-point method.</i> <p><i>Appendix A – Guidelines for Geotechnical Investigations provides guidance to the expected level, frequency, and reporting of geotechnical investigation envisioned as necessary to fully satisfy the requirements of the Project."</i></p>	B3 - Pt C.1, Page 10-3



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

Change No.	Description	Location
13	<p>10.6.3 Allowable Foundation Settlements and Displacements</p> <p>Changed Table 10-2 with the following:</p> <ol style="list-style-type: none"> Changed Note (2) to: <p><i>"Embankment shall be instrumented and monitored for a period of at least 12 months following completion of the structure. The Geotechnical Designer shall demonstrate future compliance with the residual settlements by extrapolation from the monitored data."</i></p> Added Note (5): <p><i>"Differential settlement shall be measured along the track (surface profile uniformity) in the vertical plane of each rail at the mid-point of a 62-foot long chord."</i></p> Added "(5)" superscript to the following rows under the "Settlement Criteria" column: <p>"Differential Settlement Between Adjacent Supports"</p> <p>"Differential Settlement Between the Abutment and Approach Embankment"</p> <p>"Differential Settlement Between the Abutment and Tunnel Portal"</p> 	B3 - Pt C.1, Page 10-10
14	<p>10.6.3 Allowable Foundation Settlements and Displacements</p> <p>Per the response to CP01-RFI-0144,</p> <p>Changed the last paragraph (Page 10-10, Lines 14 to 18) to:</p> <p><i>"No specific settlement or displacement limits are required for the Extreme Event Maximum Considered Earthquake (MCE) loading case, only that the structure shall not collapse and that foundation element are capacity protected in accordance with the Seismic chapter."</i></p>	B3 - Pt C.1, Page 10-10



Addendum No.: 3

RFP Document: Book 3, Part C, Section 1 - Design Criteria

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Change No.	Description	Location
15	<p>10.6.4.1 Shallow Foundation</p> <p>Per the response to CP01-RFI-0142 and CP01-RFI-0143, Replaced Notes (Page 10-11, Lines 14 to 31) to the following:</p> <p>"Notes:</p> <p>(1) <i>Normal Loads</i> = $DC + DW + L + CF + E + WA + LF_2 + 0.6TU$</p> <p>(2) <i>Exceptional Loads</i> = $DC + DW + L_1 + CF_1 + LF_1 + E + WA + WS + WL_1$</p> <p style="padding-left: 100px;">$= DC + DW + L_1 + CF_1 + LF_1 + E + WA + 1.1OBE$</p> <p>(3) <i>Ultimate Loads</i> = $DC + DW + E + WA$ (buoyancy only) + MCE For loading definitions, refer to the Structures chapter.</p> <p><i>DC</i> = dead load of structural components and permanent attachments</p> <p><i>DW</i> = dead load of non-structural components and non-permanent attachments</p> <p><i>CF</i> = Centrifugal force (multiple trains)</p> <p><i>CF₁</i> = Centrifugal force (single train)</p> <p><i>E</i> = Earth pressures, including EV, EH, and ES</p> <p><i>L</i> = multiple trains of LLRR or LLV, whichever governs</p> <p><i>L₁</i> = single train of LLRR or LLV, whichever governs</p> <p><i>LF₁</i> = braking forces (apply braking to one train) for LLV loading</p> <p><i>LF₂</i> = acceleration and braking forces (apply braking to one train, and acceleration to the other train) for LLV loading</p> <p><i>MCE</i> = Maximum Considered Earthquake (refer to the Seismic chapter)</p> <p><i>OBE</i> = Operating Basis Earthquake (refer to the Seismic chapter)</p> <p><i>TU</i> = Uniform Temperature effects</p> <p><i>WA</i> = Water loads, including stream flow and buoyancy,</p> <p><i>WS</i> = Wind load on structure</p> <p><i>WL₁</i> = Wind load on one train"</p>	B3 - Pt C.1, Page 10-11



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Change No.	Description	Location
16	<p>10.6.4.1 Shallow Foundation</p> <p>Per the response to CP01-RFI-0142, Deleted entire section <i>Part D Safety Factors</i> including Table 10-3. (Page 10-11, Lines 34 and 35 / Page 10-12, Table 10-3).</p>	B3 - Pt C.1, Page 10-11 and 10-12
17	<p>10.6.4.2 Deep Foundations</p> <p>Deleted the second paragraph of Part A (Page 10-13, Lines 30-33):</p> <p><i>"The permissible loading for drilled shafts and bored or driven piles shall be determined from the ultimate capacity divided by the safety factor and the allowed settlements set forth in Table 10-2. In addition, the design of the drilled shafts shall consider the construction methods to be used."</i></p>	B3 - Pt C.1, Page 10-13
18	<p>10.6.4.2 Deep Foundations</p> <p>Per the response to CP01-RFI-0142, Deleted entire section <i>Part C Safety Factors</i> including Table 10-4 and Table 10-5. (Page 10-14, Lines 13 to 22).</p>	B3 - Pt C.1, Page 10-14



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Change No.	Description	Location
19	<p>10.6.4.3 Test Piles and Load Tests</p> <p>Per the response to CP01-RFI-0035,</p> <ol style="list-style-type: none"> 1. Changed Subsection A heading title to: "Indicator Piles/Test Piles, Method Test Shafts and Load Test Shafts" 2. Changed Subsection A text (Page 10-16, Lines 17 to 25) to the following: "An adequate number of indicator piles ⁽¹⁾/test piles ⁽²⁾ and method test shafts ⁽³⁾/load test shafts ⁽⁴⁾ shall be specified. These shall include advanced test piles/shafts tested to ultimate load to verify design assumptions. The locations and length of the indicator/test piles and method shafts/load test shafts shall be shown on the plans. Indicator piles/test piles and method test shaft/load test shafts shall be located to cover conditions of pile type, sizes, pile/shaft capacity, and soil conditions which will be encountered. Test piles that pass the load test in an undamaged condition may be utilized as production piles in the work. However, method test shafts/load test shafts shall be considered sacrificial and shall not be used as production drilled shafts. <p>(1) Indicator Pile – An individual pile that is tested and observed to determine its behavior during driving.</p> <p>(2) Test Pile – An individual pile that is tested and observed under static axial compressive or tension load, under lateral load, and under dynamic load tests.</p> <p>(3) Method Test Shaft – A drilled shaft that is excavated to verify construction methods so that drilling and support of excavation can be evaluated for each site.</p> <p>(4) Load Test Shaft – A method test shaft with reinforcing placed, any casing or other excavation support system withdrawn, and full concrete placement, followed by gamma ray testing or crosshole sonic testing to verify concrete placement. Method test shaft is then observed under static axial compressive or tension load, under lateral load and under dynamic load tests.</p> <p>As a minimum, indicator/test piles and method test shafts shall be located on the following basis:</p> <p>One indicator/test pile per 300 driven piles or one method test shaft per 50 drilled shafts.</p>	B3 - Pt C.1, Page 10-16 to 10-18



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Change No.	Description	Location
	<ul style="list-style-type: none"> • <i>One indicator/test pile at each pile or method shaft location separated by a distance of 500 feet or more from other pile or method shaft locations.</i> <p>3. Added text at the end of the paragraph (Page 10-16, Line 29): <i>"These load tests shall be conducted on test piles and method test shafts."</i></p> <p>4. Changed text (Page 10-16, Line 31) from: <i>"advance shafts"</i> to: <i>"Load Test Shafts"</i></p> <p>5. Changed text (Page 10-16, Lines 1 to 2) from: <i>"Test shafts shall be located to cover conditions of shaft type"</i> to: <i>"Method test shafts shall be located to cover the shaft type"</i></p> <p>6. Changed text (Page 10-17, Lines 4 to 6) to: <i>"The Geotechnical Designer or his/her representative shall perform a test shaft program consisting of method test shafts (1) to confirm adequacy of drilling methodology and equipment, and (2) load tests to verify compressive, lateral, and tensile load capacities per site as described in the following. A location is considered to be a different site if any of the following are true:</i></p> <p>7. Changed the last bullet point (Page 10-17, Line 17) to:</p> <ul style="list-style-type: none"> • <i>"Sequence, type of construction, and type of piles/shafts are changed."</i> <p>8. Added a paragraph after the bullet point (Page 10-17, after Line 17) <i>"Once approval has been given to constructing production drilled shafts, no change shall be permitted in the methods and equipment used to construct the satisfactory method test shaft without production of additional method test shafts and written approval of the Geotechnical Designer."</i></p> <p>9. Added text between <i>"program"</i> and <i>"shall"</i> (Page 10-17, Line 18): <i>"consisting of test piles and load tests"</i></p>	



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Change No.	Description	Location
	<p>10. Added a sentence after "ASTM D4945." (Page 10-17, Line 20): <i>"Perform static load tests to verify compressive lateral, and tensile loads of individual piles."</i></p> <p>11. Added after "Geotechnical Designer" (Page 10-17, Line 27): <i>"or his representative"</i></p> <p>12. Changed text (Page 10-17, Line 27) from: <i>"use a firm with"</i> to <i>"have"</i></p> <p>13. Changed text (Page 10-17, Line 30) from: <i>"a design professional"</i> to <i>"a geotechnical engineer"</i></p> <p>14. Added between <i>"compressive"</i> and <i>"and tensile loads"</i> (Page 10-18, Line 1): <i>", lateral,"</i></p> <p>15. Changed text in the first bullet (Page 10-18, Line 3) from: <i>"Piles"</i> to <i>"Deep Foundations"</i></p> <p>16. Added bullet point after the first bullet point (Page 10-18, Line 3):</p> <ul style="list-style-type: none"> • <i>"ASTM D3966, Test Method for Deep Foundations Under Lateral Load"</i> <p>17. Changed text (Page 10-18, Line 4) from: <i>"Individual Piles"</i> to <i>"Deep Foundations"</i></p>	
20	<p>10.6.5.3 Piles/Drilled Shafts</p> <p>Deleted the following text (Page 10-18, Lines 24-26):</p> <p><i>"The permissible loading for a pile or a drilled shaft shall be determined from the ultimate capacity divided by the safety factor (Tables 10-4 and 10-5) and the allowed settlements set forth in Table 10-2."</i></p>	B3 - Pt C.1, Page 10-18



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Change No.	Description	Location
21	<p>10.8.3 Settlements</p> <p>1. Changed the 2nd paragraph text (Page 10-24, Lines 22 to 24) to:</p> <p><i>"Embankments shall be designed and constructed to achieve the residual settlement set forth in Table 10-10. "Residual" settlements occur after the monitoring period and completion of the embankments and shall be limited along the general track segments."</i></p> <p>Changed Table 10-10 with the following:</p> <p>2. Changed Note (1) (Page 10-25, Lines 2 to 3) to:</p> <p><i>"Embankment shall be instrumented and monitored for a period of at least 12 months following completion of the structure. The Geotechnical Designer shall demonstrate future compliance with the residual settlements by extrapolation from the monitored data."</i></p> <p>3. Changed the following text in Note (2) (Page 10-25, Line 4) from:</p> <p><i>"Differential settlement along track segments is measured..."</i></p> <p>to:</p> <p><i>"Differential settlement shall be measured..."</i></p>	B3 - Pt C.1, Page 10-25
22	<p>10.8.5.1 Foundation Support</p> <p>Added a second paragraph (Page 10-26, after Line 5):</p> <p><i>"For embankment heights greater than or equal to 5 feet over loose, soft, and compressible subgrade soils, the global stability and settlement induced by the embankment load shall be determined and ground improvement implemented, if necessary, to improve adequate stability and achieve settlement criteria set forth in this chapter."</i></p>	B3 - Pt C.1, Page 10-26



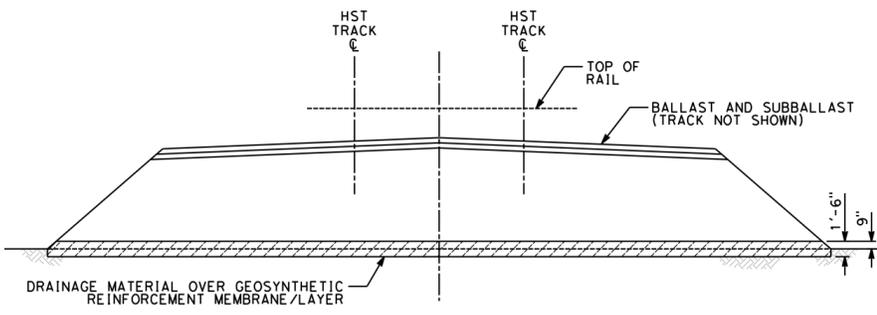
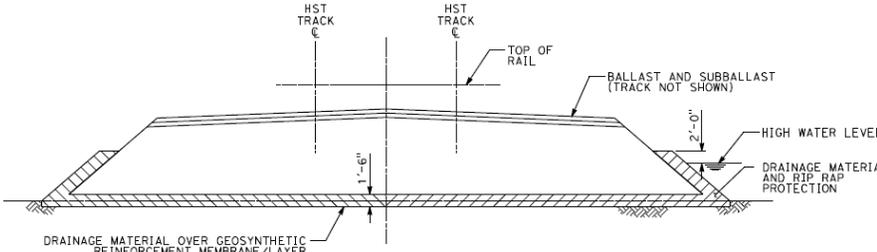
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Change No.	Description	Location
23	<p>10.8.5.2 Embankments in Wet Conditions / 10.8.5.3 Embankments in Flood Plains</p> <p>1. Changed Title of Figure 10-2 from: <i>"Drainage Layer under Embankments in Floodplain"</i> to: <i>"Earthwork Embankment in Wet Conditions"</i></p> <p>2. Corrected Figure 10-2. See Figure below for correct image:</p>  <p>3. Changed Title of Figure 10-3 from: <i>"Earthwork Embankment in Floodplain / High Water"</i> to: <i>"Drainage Layer under Embankments in Floodplain / High Water"</i></p> <p>4. Corrected Figure 10-3. See Figure below for correct image.</p> 	B3 - Pt C.1, Page 10-26 and 10-27



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Change No.	Description	Location
24	<p>10.12.2 Liquefaction of Foundation Soils</p> <p>Added the following paragraphs and bullet points (Page 10-40, between Lines 26 and 27):</p> <p><i>"Liquefaction-triggering evaluations shall be performed for sites that meet the following two criteria:</i></p> <ul style="list-style-type: none"> • <i>The estimated maximum groundwater elevation at the site is within 75 feet of the existing ground surface or proposed finished grade, whichever is lower.</i> • <i>The subsurface profile is characterized in the upper 75 feet as having soils that meet the compositional criteria of soils for liquefaction with a measured Standard Penetration Test (SPT) resistance, corrected for overburden pressure and hammer energy (N1)60-cs, less than 33 blows/ft., or a cone tip resistance qc1N-cs of less than 185 ton per square feet, or a geologic unit is present at the site that has been observed to liquefy in past earthquakes.</i> <p><i>Guidelines for evaluation of soil liquefaction triggering potential are presented in Appendix B – Guidelines for Geotechnical Earthquake Engineering."</i></p>	B3 - Pt C.1, Page 10-40



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Change No.	Description	Location
25	<p>(New Section) 10.12.2.1 Compositional Criteria for Liquefaction Susceptibility for Soils</p> <p>Added the following section 10.12.2.1 Compositional Criteria for Liquefaction Susceptibility for soils (Page 10-41, after Line 2):</p> <p><i>"10.12.2.1 Compositional Criteria for Liquefaction Susceptibility for Soils</i></p> <p><i>A. Sandy Soils</i></p> <p><i>Sandy soils with few amounts of fines that meet the above-mentioned two criteria shall require liquefaction triggering evaluations.</i></p> <p><i>B. Silty and Clayey Soils</i></p> <p><i>Evaluation of whether silty and clayey soils meet the criteria for liquefaction susceptibility shall be performed primarily using the criteria developed by Bray and Sancio (2006) and compared to results by analysis using the methods presented in Idriss and Boulanger (2008). The Modified Chinese Criteria for clayey soils in the Youd et al. (2001) method shall not be used.</i></p> <p><i>For fine-grained soils (especially soils that are potentially sensitive) that do not meet the above criteria for liquefaction, cyclic softening resulting from seismic shaking shall be performed.</i></p> <p><i>Considering the range of criteria currently available in the literature, geotechnical engineers shall consider performing cyclic triaxial or simple shear laboratory tests on undisturbed soil samples to assess cyclic response for critical cases.</i></p> <p><i>C. Gravels</i></p> <p><i>Gravel layers bounded by lower permeability layers shall be considered potentially susceptible to liquefaction, and their liquefaction susceptibility shall be evaluated. A gravel layer that contains sufficient sand to reduce its permeability to a level near that of the sand, even if not bounded by lower permeability layers, shall be considered susceptible to liquefaction and its liquefaction potential shall be evaluated as such."</i></p>	B3 - Pt C.1, Page 10-41



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26	<p>10.12.3 Design Time Histories</p> <p>Deleted the entire section of <i>10.12.3 Design Time Histories</i> (Page 10-41, Lines 3 to 9):</p> <p><i>"10.12.3 Design Time Histories</i></p> <p><i>A minimum of seven sets of spectrum-compatible ground motion time histories shall be developed as per AASHTO Seismic Specifications. Each set shall contain three-component motions comprising fault-normal, fault-parallel, and vertical time histories. The fault-normal and fault-parallel time histories shall be transformed into components corresponding to the longitudinal and transverse axis of the structures being analyzed. When seven or more spectrum compatible time histories are used for analyses/design, the average response obtained of the seven demand analyses shall be used."</i></p>	B3 - Pt C.1, Page 10-41
27	<p>12.2 Regulations, Codes, Standards, and Guidelines</p> <p>Added bullet point (Page 12-2, after Line 16):</p> <p><i>"International Federation for Structural Concrete (fib) Model Code for Concrete Structures (For Time Dependent Behavior of Concrete)"</i></p>	B3 - Pt C.1, Page 12-2



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Change No.	Description	Location									
28	<p>12.5.1.1 Dead Load (DC, DW)</p> <p>1. Added row after "Ballast" in Table 12-1, Row 5 for unit weight of Ballasted Track</p> <table border="1" data-bbox="324 617 1213 751"> <tr> <td data-bbox="324 617 618 751">Ballasted track not including rail and fastener systems</td> <td data-bbox="618 617 1096 751">3800 pounds per foot per track, including ties, (add 100 plf in superelevated zones)</td> <td data-bbox="1096 617 1213 751">CHSTP</td> </tr> </table> <p>2. Changed row 8 of Table 12-1 for Non-Ballasted Track from:</p> <table border="1" data-bbox="324 825 1213 959"> <tr> <td data-bbox="324 825 618 959">Non-ballasted track & non-ballasted track base</td> <td data-bbox="618 825 1096 959">2200 pounds per foot per track, including rail and fastener systems (add 1000 plf in superelevated zones)</td> <td data-bbox="1096 825 1213 959">CHSTP</td> </tr> </table> <p>to the following:</p> <table border="1" data-bbox="324 1033 1213 1194"> <tr> <td data-bbox="324 1033 618 1194">Non-ballasted track & non-ballasted track base not including rail and fastener systems</td> <td data-bbox="618 1033 1096 1194">2500 pounds per foot per track, (add 1000 plf in superelevated zones)</td> <td data-bbox="1096 1033 1213 1194">CHSTP</td> </tr> </table>	Ballasted track not including rail and fastener systems	3800 pounds per foot per track, including ties, (add 100 plf in superelevated zones)	CHSTP	Non-ballasted track & non-ballasted track base	2200 pounds per foot per track, including rail and fastener systems (add 1000 plf in superelevated zones)	CHSTP	Non-ballasted track & non-ballasted track base not including rail and fastener systems	2500 pounds per foot per track, (add 1000 plf in superelevated zones)	CHSTP	B3 - Pt C.1, Page 12-5
Ballasted track not including rail and fastener systems	3800 pounds per foot per track, including ties, (add 100 plf in superelevated zones)	CHSTP									
Non-ballasted track & non-ballasted track base	2200 pounds per foot per track, including rail and fastener systems (add 1000 plf in superelevated zones)	CHSTP									
Non-ballasted track & non-ballasted track base not including rail and fastener systems	2500 pounds per foot per track, (add 1000 plf in superelevated zones)	CHSTP									
29	<p>12.5.2.13 Derailment Loads (DR)</p> <p>Deleted the following text (Page 12-22, Lines 24 and 25):</p> <p><i>"...evaluated for the requirements of Section 12.5.2.14 for structural elements within 16 feet of track centerline. In addition, through truss type bridges shall be..."</i></p>	B3 - Pt C.1, Page 12-22									
30	<p>12.5.2.14 Collision Loads (CL)</p> <p>Corrected text (Page 12-25, Lines 1 and 2) from:</p> <p><i>"Collision loads in Sections 12.5.2.14.A and 12.5.2.14.B apply to train impact loads (LLRR, LLV). Section 12.5.2.14.C" to:</i></p> <p><i>"Collision loads in Sections 12.5.2.14.A, 12.5.2.14.B and 12.5.2.14.C apply to train impact loads (LLRR, LLV). Section 12.5.2.14.D"</i></p>	B3 - Pt C.1, Page 12-25									



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31	<p>12.5.2.14 Collision Loads</p> <p>Added text between "applied horizontally" and "at a level" (Page 12-25, Lines 29 and 30):</p> <p style="text-align: center;"><i>"to a 6 foot wide strip"</i></p>	B3 - Pt C.1, Page 12-25																																																				
32	<p>12.5.3.1 Loads for Design of Overhead Contact System Pole Foundation</p> <p>Changed Table 12-2, Column 4 on Service Loads from:</p> <table border="1" data-bbox="402 823 889 1255" style="margin-left: 40px;"> <thead> <tr> <th colspan="2" style="text-align: center;">Service Loads</th> </tr> <tr> <th colspan="2" style="text-align: center;">Condition 1 (at OCS pole)</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">4,500</td><td></td></tr> <tr><td style="text-align: center;">1,500</td><td></td></tr> <tr><td style="text-align: center;">22,000</td><td></td></tr> <tr><td style="text-align: center;">117,000</td><td></td></tr> <tr><td style="text-align: center;">32,000</td><td></td></tr> <tr> <th colspan="2" style="text-align: center;">Condition 2 (at down guy anchor)</th> </tr> <tr><td style="text-align: center;">13,300</td><td></td></tr> <tr><td style="text-align: center;">300</td><td></td></tr> <tr><td style="text-align: center;">13,300</td><td></td></tr> <tr><td style="text-align: center;">13,300</td><td></td></tr> <tr><td style="text-align: center;">300</td><td></td></tr> </tbody> </table> <p>to:</p> <table border="1" data-bbox="402 1327 889 1749" style="margin-left: 40px;"> <thead> <tr> <th colspan="2" style="text-align: center;">Service Loads</th> </tr> <tr> <th colspan="2" style="text-align: center;">Condition 1 (at OCS pole)</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">7,000</td><td></td></tr> <tr><td style="text-align: center;">1,500</td><td></td></tr> <tr><td style="text-align: center;">22,000</td><td></td></tr> <tr><td style="text-align: center;">182,000</td><td></td></tr> <tr><td style="text-align: center;">32,000</td><td></td></tr> <tr> <th colspan="2" style="text-align: center;">Condition 2 (at down guy anchor)</th> </tr> <tr><td style="text-align: center;">14,000</td><td></td></tr> <tr><td style="text-align: center;">1,000</td><td></td></tr> <tr><td style="text-align: center;">14,000</td><td></td></tr> <tr><td style="text-align: center;">14,000</td><td></td></tr> <tr><td style="text-align: center;">1,000</td><td></td></tr> </tbody> </table>	Service Loads		Condition 1 (at OCS pole)		4,500		1,500		22,000		117,000		32,000		Condition 2 (at down guy anchor)		13,300		300		13,300		13,300		300		Service Loads		Condition 1 (at OCS pole)		7,000		1,500		22,000		182,000		32,000		Condition 2 (at down guy anchor)		14,000		1,000		14,000		14,000		1,000		B3 - Pt C.1, Page 12-26
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33	<p>12.5.4.1 Design Load Combinations</p> <p>Per the response to CP01-RFI-0143, Changed Note 4 (Page 12-30, Line 6) in Table 12-4 to:</p> <p><i>"γ_{EQ} is equal to 0.0 for MCE. γ_{EQ} is equal to 0.50 for OBE, for a two track system, one train is used. For other track configurations, refer to the Seismic Chapter."</i></p>	B3 - Pt C.1, Page 12-30
34	<p>12.7.1.8 Seismic Design for Stations and Ancillary Facilities</p> <p>Deleted the second paragraph (Page 12-64, Lines 21 to 23):</p> <p><i>"Buildings and other structures that are integral to or over trackways supporting HST loadings shall be designed to the performance requirements provided in CSDC to achieve the same performance as the aerial trackway structures as described in the Seismic chapter"</i></p>	B3 - Pt C.1, Page 12-64
35	<p>12.8.1.5 Material Strength</p> <p>Added bullet point (Page 12-69, after Line 18):</p> <ul style="list-style-type: none"> • <i>"Lightweight concrete is not allowed"</i> 	B3 - Pt C.1, Page 12-69



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36	<p>12.8.1.5 Material Strength</p> <p>Changed Part C. Prestressing Steel:</p> <ol style="list-style-type: none"> 1. Per the response to CP01-RFI-0139, deleted the following text (Page 12-70, Lines 2 and 3): <p><i>"Prestressing steel system shall be either bonded or coated (unbonded) tendons."</i></p> 2. Per the response to CP01-RFI-0139, changed first bullet point (Page 12-70, Line 4) from: <p><i>"...fully encapsulated in anchorages..."</i></p> <p>to:</p> <p><i>"...fully encapsulated with grout within the anchorages..."</i></p> 3. Deleted third bullet point (Page 12-70, Line 7): <ul style="list-style-type: none"> • <i>"Systems utilizing formed, ungrouted voids or "Diablos" are not permitted."</i> 4. Added sub-bullet in "Anchorages" (Page 12-70, after Line 35): <ul style="list-style-type: none"> - <i>"Anchorages shall be protected with epoxy grout encapsulation with an elastomeric coating"</i> 5. Added sub-bullet in "Ducts and Pipes" (Page 12-71, after Line 4): <ul style="list-style-type: none"> - <i>"Precast segmental bridges with internal tendons shall use segmental duct couplers with 6 degrees of alignment allowance at all segment joints."</i> 	B3 - Pt C.1, Page 12-70 and 12-71
37	<p>12.8.3.2 Deep Foundation Design</p> <p>Per the response to CP01-RFI-0035,</p> <p>Deleted the following text (Page 12-72, Lines 23 to 25):</p> <p><i>"Load tests shall be performed on a minimum of one drilled shaft at any given site but not less than one per 5,000 contiguous feet or portion thereof of aerial trackway alignment where subsurface conditions are defined as being similar (i.e., Site) in the Geotechnical Reports."</i></p>	B3 - Pt C.1, Page 12-72



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Change No.	Description	Location
38	<p>12.8.4.3 Weathering Steel</p> <p>Added the following text after "... rainwater runoff":</p> <p><i>"does not drain onto those weathering steel members."</i></p>	B3 - Pt C.1, Page 12-73
39	<p>12.8.5 Concrete Structures</p> <p>Added paragraph (Page 12-74, after Line 4):</p> <p><i>"The fib Model Code for Concrete Structures shall be used for determining time dependent effects due to creep, shrinkage and prestressing steel relaxation."</i></p>	B3 - Pt C.1, Page 12-74
40	<p>12.8.5.2 Additional Requirements for Precast Segmental Trackway Construction</p> <p>Changed Section 12.8.5.2:</p> <ol style="list-style-type: none"> 1. Deleted "Precast" in the heading title of 12.8.5.2. 2. Changed first paragraph (Page 12-74, Lines 9 and 10) from: <i>"...conform to AASHTO LRFD with Caltrans Amendments implemented AASHTO LRFD, Article 5.8.6."</i> to: <i>"...conform to AASHTO LRFD, Article 5.8.6, in addition to AASHTO LRFD with Caltrans Amendments."</i> 3. Deleted the first sentence in the third paragraph (Page 12-74, Line 12): <i>"If precast columns are used, the columns shall have access for future inspection."</i> 4. Added sentence at the end of the third paragraph (Page 12-74, Line 14): <i>"An access opening shall be provided at the top of column."</i> 5. Added paragraph (Page 12-74, after Line 14): <i>"Two inch diameter vent holes are required through the bottom flange of box girders near each end of each span."</i> 	B3 - Pt C.1, Page 12-74



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

Change No.	Description	Location
41	<p>12.8.5.4 Maintenance and Inspection of Concrete Structures</p> <p>1. Deleted the last sentence of the paragraph (Page 12-74, Line 24): <i>"External hatches shall be a maximum of 330 feet apart."</i></p> <p>2. Added the following sentences (Page 12-74, after Line 24): <i>"The minimum headroom inside of box girder shall be 6 feet. Minimum clearance from girder ends to bearings and from abutment backwalls to bearings shall be 2.5 feet to allow for access. In-span hinges and expansion joints are not allowed within the limits of the trackway."</i></p>	B3 - Pt C.1, Page 12-74
42	<p>12.8.6.3 Intrusion Protection</p> <p>1. Added the following text (Page 12-75, Lines 7 and 8) between "from derailed trains" and "as required": <i>"as described in the Rolling Stock and Vehicle Intrusion Protection chapter and"</i>.</p> <p>2. Changed text (Page 12-75, Lines 12 and 13) from: <i>"within 25 feet of an adjacent railroad TCL" to:</i> <i>"adjacent to conventional railroad shall be protected as specified in the Rolling Stock and Vehicle Intrusion Protection chapter. The design"</i></p> <p>3. Changed text (Page 12-75, Line 13) from: <i>"a sufficient" to:</i> <i>"an independent intrusion"</i></p>	B3 - Pt C.1, Page 12-75



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RFP Document: Book 3, Part C, Section 1 - Design Criteria

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Revised Document

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Change No.	Description	Location		
43	<p>12.8.6.8 Expansion Joints</p> <p>Per the response to CP01-RFI-0089,</p> <ol style="list-style-type: none"> 1. Deleted the following text (Page 12-76, Lines 11 to 20): <p><i>"There are two types of SEJ:</i></p> <ul style="list-style-type: none"> • <i>For a bridge with an expansion length of 350 feet or less, a buried type expansion joint shall be provided to prevent ballast falling into the gap between adjacent decks or between deck and abutment. The allowable displacement for this type of joint is no more than 2 inches. The designer shall verify the actual displacement required.</i> • <i>For a bridge with an expansion length of between 350 feet and 1500 feet, an open type expansion joint shall be provided to retain the ballast between and underneath the crossties on either side of the joint. The maximum allowable displacement for this type of joint shall be 14 inches. If the actual displacement requirement is larger than this maximum, the trackwork designer shall be consulted and a special design shall be provided."</i> 2. Deleted the following text (Page 12-77, Lines 4 to 6): <p><i>"Where there is an REJ, the longitudinal deck movement under braking and acceleration shall not exceed 1.25 inches."</i></p> <p><i>"Where there is no REJ,"</i></p> 3. Changed the "Structure Expansion Length" table (Page 12-77): <ol style="list-style-type: none"> i. Changed the text in the fourth row of the table from: <p><i>"300 to 350" to "300 to 330"</i></p> ii. Deleted the last row of the table: <table border="1" data-bbox="440 1497 1062 1570" style="margin-left: 40px;"> <tr> <td style="text-align: center; padding: 5px;"><i>> 350</i></td> <td style="text-align: center; padding: 5px;"><i>130</i></td> </tr> </table> 4. Deleted the following text (Page 12-77, Lines 13 to 18): <ul style="list-style-type: none"> • <i>"For long continuous bridges with an expansion length longer than 350 feet, a REJ of about 65 feet long, centered to the SEJ, is required."</i> 	<i>> 350</i>	<i>130</i>	B3 - Pt C.1, Page 12-76 and 12-77
<i>> 350</i>	<i>130</i>			



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

Change No.	Description	Location
	<ul style="list-style-type: none"> <i>The minimum distance between the end of a turnout and SEJ be 400 feet, if REJ is used at the end side of turnouts.</i> <i>The total length of a crossover is 500 feet. The requirement of Item 2 shall be applied to both ends of the crossover."</i> 	
44	<p>12.8.6.9 Bearings</p> <p>Added the following sentence at the end of the first paragraph (Page 12-79, after Line 5):</p> <p><i>"If seismic isolation bearings are used, the design shall follow the requirements of the Seismic chapter."</i></p>	B3 - Pt C.1, Page 12-79
45	<p>12.9.1 Load Requirements for Pedestrian Bridges</p> <p>Added the following sentence at the end of the paragraph (Page 12-83, Line 3):</p> <p><i>"OBE is not required."</i></p>	B3 - Pt C.1, Page 12-83
46	<p>12.10.5.1 Highway Traffic Intrusion</p> <p>Changed the first sentence (Page 12-85, Lines 12 and 13) from:</p> <p><i>"...by an appropriate barrier continuous along the interface as specified in AASHTO LRFD with Caltrans Amendments Article 3.6.51 or the trench..."</i> to:</p> <p><i>"...by a continuous Caltrans type concrete barrier as specified in the Rolling Stock and Vehicle Intrusion Protection chapter. The trench..."</i></p>	B3 - Pt C.1, Page 12-85



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Change No.	Description	Location
47	<p>12.10.5.2 Railroad Intrusion</p> <p>Per the response to CP01-RFI-0091,</p> <p>Changed paragraph (Page 12-85, Lines 17 to 20) from:</p> <p><i>"HST trench structures located within 25 feet of an adjacent railroad TCL shall be designed to resist forces presented in Section 12.5.2.14 of this chapter. The wall height shall be extended to a height at least 10.0 feet above the adjacent grade and the wall shall be continuous throughout the interface."</i>to:</p> <p><i>"HST trench structures located adjacent to conventional railroad shall be protected as specified in the Rolling Stock and Vehicle Intrusion Protection chapter. Where an independent intrusion protection cannot be constructed due to limited space, the trench wall, next to the conventional railroad, shall be extended to at least 10 feet above the adjacent grade and the wall shall be designed to resist forces presented in Section 12.5.2.14."</i></p>	B3 - Pt C.1, Page 12-85
48	<p>12.14.8 Niches</p> <p>Deleted the following section (Page 12-99, Lines 22 to 24 / Page 12-100, Lines 1 to 2):</p> <p><i>"12.14.8 Niches</i></p> <p><i>Niches shall be constructed in the walls of trenches and cut-and-cover structures and retaining walls alongside the tracks. Where inside face of wall is less than 12.5 feet from centerline of adjacent track, walls shall be strengthened to support earth and water pressures without leaking or excessive deflection. Niches of 10 feet by 10 feet dimensions, 1 foot deep shall be constructed every 500 feet, starting 50 feet inside of a cut-and-cover portal, on both sides of the trackway."</i></p>	B3 - Pt C.1, Page 12-99 and 12-100



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Change No.	Description	Location
49	<p>21.14.9 Clearance Envelope at Fixed Structures</p> <p>Changed text (Page 21-37, Lines 24 and 25 / Page 21-38, Lines 1 to 2) from:</p> <p><i>"Notwithstanding the foregoing, the required vertical clearance for new structures without OCS conductor support attachments is to be 27 feet (8.23 m). The required vertical clearance at existing structures to permit installation of the OCS conductors without support attachments is 24 feet (7.32 m)." to:</i></p> <p><i>"For minimum vertical clearances for new and existing structures, refer to the Trackway Clearances chapter."</i></p>	B3 - Pt C.1, Page 21-37 and 21-38
50	<p>21.14.9 Clearance Envelope at Fixed Structures</p> <p>Deleted the following text (Page 21-38, Lines 2 to 5):</p> <p><i>"These clearances assume the overhead structures are no more than 160 feet wide along track. Where the overhead structure is wider than 160 feet, OCS support attachments or OCS poles under the bridge might be needed. Additional vertical clearance might be required to install OCS poles under overhead structures. Additional vertical clearance might be required to install OCS poles under overhead structures."</i></p>	B3 - Pt C.1, Page 21-38



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Change No.	Description	Location
<p>51</p>	<p>21.16 Traction Power Return System</p> <p>Changed Figure 21-12 (PDF error). See Figure below for correct image:</p>	<p>B3 - Pt C.1, Page 21-46</p>
<p>52</p>	<p>22.3.1.4 Grounding Connections</p> <p>Changed text in the second paragraph (Page 22-6, Lines 7 and 8) from:</p> <p><i>"Where epoxy coated rebar is used, weld damage shall be repaired and the epoxy coating reinstated, including over the weld itself."</i> to:</p> <p><i>"Epoxy coated rebar cannot be used as a grounding conductor. Where epoxy coated rebar is used as the only type of reinforcement, alternate grounding measures, such as connecting grounding plates directly to a series of buried ground rods or a ground grid, shall be adopted to achieve the required ground resistance of 25 ohms. Where epoxy coated rebar is used in combination with black rebar, the black rebar shall be interconnected to provide an electrically continuous path, with connection(s) to grounding plate(s), but with no connection to the epoxy bar. The required ground resistance of 25 ohms shall be achieved, if necessary by connecting the grounding plate(s) directly to buried ground electrodes."</i></p>	<p>B3 - Pt C.1, Page 22-6</p>



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

Change No.	Description	Location
53	<p>22.5.2.4 – Trackside Facilities Including Sump Pump Structures, Ventilation Structures and Portal Facilities</p> <p>Added the following sentence at the end of the paragraph (Line 23):</p> <p><i>"For the Grounding and Bonding requirements at the Tunnel Portals for reinforced concrete paved areas of Train Surface Evacuation and Fire Control Zone see Section 22.5.6, and for the Emergency Walkways see Section 22.5.3."</i></p>	B3 - Pt C.1, Page 22-9
54	<p>22.5.3 Grounding and Bonding of Structures - General</p> <p>Changed text (Page 22-10, Lines 18 and 19) from:</p> <p><i>"Where epoxy coated rebar is used, weld damage shall be repaired and the epoxy coating reinstated, including over the weld itself." to:</i></p> <p><i>"Epoxy coated rebar cannot be used as a grounding conductor. Where epoxy coated rebar is used as the only type of reinforcement, alternate grounding measures, such as connecting grounding plates directly to a series of buried ground rods or a ground grid, shall be adopted to achieve the required ground resistance of 25 ohms. Where epoxy coated rebar is used in combination with black rebar, the black rebar shall be interconnected to provide an electrically continuous path, with connection(s) to grounding plate(s), but with no connection to the epoxy bar. The required ground resistance of 25 ohms shall be achieved, if necessary by connecting the grounding plate(s) directly to buried ground electrodes."</i></p>	B3 - Pt C.1, Page 22-10
55	<p>22.5.6.1 Passenger Stations and Service Siding Platforms in At-grade, Cut-and-Cover Tunnel, or Trench Locations</p> <p>Changed text (Page 22-13, Line 11) from:</p> <p><i>"a bare copper grounding conductor in a PVC conduit shall be installed"</i></p> <p>to:</p> <p><i>"a bare grounding conductor shall be installed"</i></p>	B3 - Pt C.1, Page 22-13



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

Change No.	Description	Location
56	<p>22.5.6.1 Passenger Stations and Service Siding Platforms in At-grade, Cut-and-Cover Tunnel, or Trench Locations</p> <p>Added the following text between "...driven ground rods." and "One end of the..." (Page 22-13, between Lines 15 and 16):</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 22-13
57	<p>22.5.9 Trenches, Retaining Walls, and Retained Fill Structures</p> <p>Changed text (Page 22-16, Line 2) from:</p> <p><i>"a bare copper grounding conductor in a PVC conduit shall be installed"</i></p> <p>to:</p> <p><i>"a bare grounding conductor shall be installed"</i></p>	B3 - Pt C.1, Page 22-16
58	<p>22.5.9 Trenches, Retaining Walls, and Retained Fill Structures</p> <p>Changed text (Page 22-16, Lines 4 and 5) from:</p> <p><i>"...more than 500 foot intervals and with the conductor extending a minimum of 50 feet" to:</i></p> <p><i>"...more than 500-foot intervals. At these connection points, the grounding conductor shall be connected to buried electrodes, driven into the ground outside the trench structure, and each grounding point shall achieve a resistance of 25 ohms or less. To satisfy this requirement, the contractor may opt to install additional grounding plates on the top of the trench walls. The grounding conductor shall be extended a minimum of 50 feet"</i></p>	B3 - Pt C.1, Page 22-16
59	<p>22.7.2 Trackside ATC Equipment and Structures</p> <p>Deleted text (Page 22-24, Line 30):</p> <p><i>",to the static wire, or to a grounding plate as appropriate for the location"</i></p>	B3 - Pt C.1, Page 22-24



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

Change No.	Description	Location
60	Appendix 10.A – Guidelines for Geotechnical Investigations Added Appendix 10.A at the end of Chapter 10 – Geotechnical (see attachment for new document).	B3 - Pt C.1
61	Appendix 10.B – Guidelines for Geotechnical Earthquake Engineering Added Appendix 10.B at the end of Chapter 10 – Geotechnical (see attachment for new document).	B3 - Pt C.1

Addendum No.: 3**RFP Document:** Book 3, Part D, Section 5 – Design Variance Report New Document Revised Document Change Log Only

Change No.	Description	Location
1	File name changed to reflect move from Book 4 to Book 3. New file name is AD.2 B4 – Pt B.4 – Design Variance Report.pdf	B3 - Pt D.5
2	The following documents were added to the Design Variance report, and the Table of Contents has been updated to reflect these additions: <i>Horizontal Clearance To Union Pacific Railroad Right Of Way</i> <i>Vertical Element Lengths Within Fresno Trench</i> <i>Dry Creek Structure Clearance</i>	B3 - Pt D.5, Page i



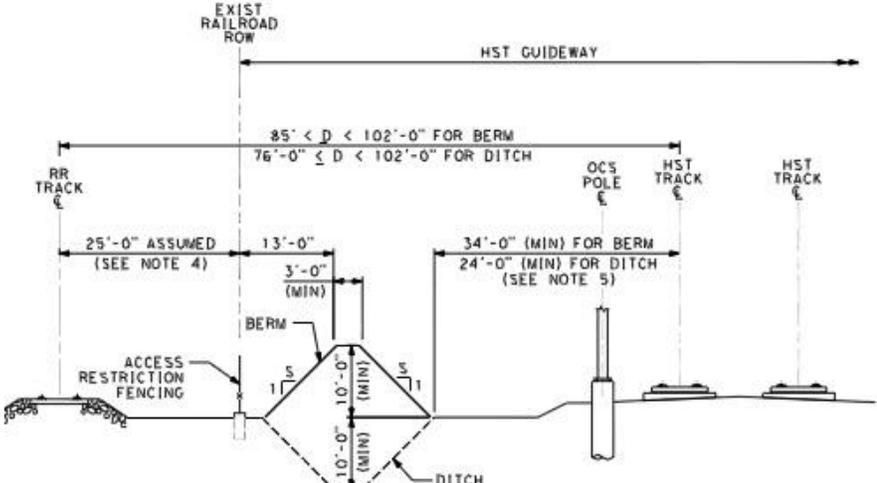
Addendum No.: 3

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-IP-001</p> <p>Added Note #6: <i>"6. BERM MATERIAL AND COMPACTION SHALL BE SIMILAR TO EMBANKMENT."</i></p>	B3 - Pt E.1, Page 37 of 74
2	<p>Directive Drawing DD-IP-005</p> <p>Revised Typical Section for Earthen Berm or Ditch; Distance range (for berm) btwn RR Track centerline and HST Track centerline revised from $86'-0" \leq D < 102'-0"$ FOR BERM to $85'-0" \leq D < 102'-0"$ FOR BERM</p> 	B3 - Pt E.1, Page 41 of 74
3	<p>Directive Drawing DD-IP-005</p> <p>Added Note #6: <i>"6. BERM MATERIAL AND COMPACTION SHALL BE SIMILAR TO EMBANKMENT."</i></p>	B3 - Pt E.1, Page 41 of 74
4	<p>Directive Drawing DD-ST-014</p> <p>Remove wall offset value table; added note #2 text to offset dimension</p>	B3 - Pt E.1, Page 59 of 74



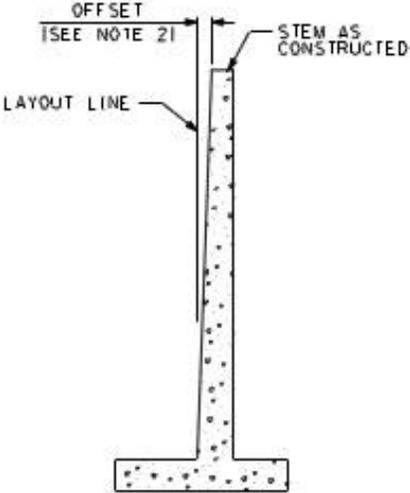
Addendum No.: 3

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

New Document

Revised Document

Change Log Only

Change No.	Description	Location
		
5	<p>Directive Drawing DD-ST-014</p> <p>Added Note #2:</p> <p><i>"2. WALL OFFSET SHALL BE DETERMINED BY THE PROJECT STRUCTURAL ENGINEER IN CONSULTATION WITH THE PROJECT GEOTECHNICAL ENGINEER BASED ON THE CONSTRUCTION METHOD AND SEQUENCING AND IN ACCORDANCE WITH PROJECT DESIGN CRITERIA."</i></p>	B3 - Pt E.1, Page 59 of 74

Addendum No.: 3

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	Parcel Acquisition access dates Summary for CP-1A, B and C	B.3, Pt E.4



Addendum No.: 3

RFP Document: Book 4, Part A, Section 1 - CP 01A-Option1-Design Plans

New Document Revised Document Change Log Only

Change No.	Description	Location
1	Updated the following roadway plans in CP1A-Option1 per discussions with City of Fresno: <ul style="list-style-type: none"> • SV1891 • SV1892 	B4 - Pt A.1

Addendum No.: 3

RFP Document: Book 4, Part A, Section 3 - CP 01B-Design Plans

New Document Revised Document Change Log Only

Change No.	Description	Location
	Updated the following roadway plans in CP1B per discussions with City of Fresno: <ul style="list-style-type: none"> • Titlesheet • GE-A0011 • ST-B0002 • ST-B0004 • ST-K1007 • ST-K1008 • GE-A0012 • CV-B0005 • CV-B0006 • CV-B0007 • CV-T1013 • CV-T1014 • CV-T1015 • CV-T1024 • CV-T1025 • CV-T1026 • CV-T1027 • CV-T1028 • CV-T1029 • CV-T3007 • CV-T3008 • CV-T3009 • CV-T3010 • CV-T3011 • CV-T3012 	B4 - Pt A.3



Addendum No.: 3**RFP Document:** Book 4, Part A, Section 3 - CP 01B-Design Plans New Document Revised Document Change Log Only

Change No.	Description	Location
	<ul style="list-style-type: none"> • CV-T3013 • ST-K1030 • ST-K1031 • ST-K1036 • ST-K1041 • ST-K1042 • ST-K1043 • ST-K1044 	

Addendum No.: 3**RFP Document:** Book 4, Part A, Section 4 - CP 01C-Design Plans New Document Revised Document Change Log Only

Change No.	Description	Location
1	Preliminary engineering plans for entire CP1C package. This set replaces the previous 15% design plans.	B4 - Pt A.4

Addendum No.: 3**RFP Document:** Book 4, Part A, Section 6 - Fresno Street Construction Plans and Specifications by Caltrans New Document Revised Document Change Log Only

Change No.	Description	Location
1	Fresno Street Construction Plans, Specifications, and Other Supporting Material prepared by Caltrans, including electronic files and PMT Technical Comments on the Fresno Street Construction Plans by Caltrans	B4 - Pt A.6



Addendum No.: 3**RFP Document:** Book 4, Part B, Section 1 - FB Sierra Pkg 1 30pct Draft HHD and FI Report New Document Revised Document Change Log Only

Change No.	Description	Location
1	Updated Hydraulics & Hydrology and Floodplain Impacts Report to include coverage of CP1C limits	B4 - Pt B.1

Addendum No.: 3**RFP Document:** Book 4, Part B, Section 3 - Geotechnical Exploration Report – V1 & V2 New Document Revised Document Change Log Only

Change No.	Description	Location
1	Geotechnical Exploration Data Reports (Volume 1 and Volume 2) – Initial Release	B4 - Pt B.3

Addendum No.: 3**RFP Document:** Book4, Part B, Section 4 – Design Variance Report New Document Revised Document Change Log Only

Change No.	Description	Location
1	Report was moved to Book 3	B4 - Pt B.4

Addendum No.: 3**RFP Document:** Book 4, Part B, Section 5 - FB Sierra Pkg 1 30pct Draft Stormwater Management Report New Document Revised Document Change Log Only

Change No.	Description	Location
1	Updated Storm Water Management Report to include coverage of CP1C limits.	B4 - Pt B.5



Addendum No.: 3RFP Document: Book 4, Part B, Section 6 - FB Sierra Pkg 1 30pct Draft Structures Report New Document Revised Document Change Log Only

Change No.	Description	Location
1	Updated Sierra Package Structures Report to include work within CP1C limits	B4 - Pt B.6

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

Change No.	Description	Location
1	Section 31 62 00, Article 3.3 Indicator Piles and Test Piles Paragraph B: Revised second sentence to read as follows: <i>"Determine compression, tension, and lateral capacities of the test piles in accordance with ASTM D1143, ASTM D4945, ASTM D3689, and ASTM D3966."</i>	B4 - Pt C.1, Page 312 of 406
2	Section 31 62 00, Article 3.3 Indicator Piles and Test Piles Added Paragraph I: <i>"I. Remove indicator piles at completion of testing."</i>	B4 - Pt C.1, Page 312 of 406
3	Section 31 62 00, Article 3.4 Axial Compression and Tension Load Tests Paragraph C: Revised last sentence to read as follows: <i>"Holes shall be backfilled with Class 3000 concrete."</i>	B4 - Pt C.1, Page 313 of 406
4	Section 31 62 00, Article 3.4 Axial Compression and Tension Load Tests Paragraph D.1, first sentence: Clarified <i>"Type E"</i> to read <i>"Type C"</i> .	B4 - Pt C.1, Page 313 of 406



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

Change No.	Description	Location
5	<p>Section 31 62 00, Article 3.4 Axial Compression and Tension Load Tests</p> <p>Paragraph D.2: Revised the first sentence to read as follows:</p> <p><i>"The maximum test load shall be the ultimate load or twice the service design load whichever is greater as prescribed by the Contractor's geotechnical engineer."</i></p>	B4 - Pt C.1, Page 313 of 406
6	<p>Section 31 62 00, Article 3.4 Axial Compression and Tension Load Tests</p> <p>Paragraph E: Revised the third sentence to read as follows:</p> <p><i>"The maximum test load shall be the ultimate load or twice the service design load whichever is greater as prescribed by the Contractor's geotechnical engineer."</i></p>	B4 - Pt C.1, Page 313 of 406
7	<p>Section 31 62 00, Article 3.7 Installation of Piles</p> <p>Paragraph F.3: Revised the third sentence to read as follows:</p> <p><i>"Cut off abandoned pipe 3 feet below the structure, and fill the abandoned pipe with controlled density fill as specified in Section 03 05 15, Portland Cement Concrete."</i></p>	B4 - Pt C.1, Page 316 of 406
8	<p>Section 31 63 29, Article 1.2 Definitions</p> <p>Paragraph D. revised to read as follows:</p> <p><i>"D. In regard to load testing, the term "site" shall be understood to be as defined in the CHSTP Design Criteria in regard to drilled concrete piers and shafts and similar work."</i></p>	B4 - Pt C.1, Page 319 of 406



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

Change No.	Description	Location
9	<p>Section 31 63 29, Article 3.2 Method Test Shafts</p> <p>Per the response to CP01-RFI-0035,</p> <p>Paragraph A. revised to read as follows:</p> <p><i>"A. Demonstrate the adequacy of methods and equipment proposed to be employed for construction of production shafts by successfully constructing method test shafts in accordance with those requirements set forth in the CHSTP Design Criteria. An acceptance test (refer to "Nondestructive Evaluation" specified in this Section) shall also be performed in method test shafts. Load testing consisting of compression load tests, tension load tests, and lateral load tests shall be performed on the method test shafts. In this case, construction of the method test shafts shall include drilling, placement of reinforcing steel, thread bars, and concrete. Otherwise, after completing drilling of the method test shaft, the test shaft shall be filled with unreinforced concrete in the same manner that production shafts will be constructed."</i></p>	B4 - Pt C.1, Page 325 of 406
10	<p>Section 31 63 29, Article 3.2 Method Test Shafts</p> <p>Paragraph C. Revised last sentence to read as follows:</p> <p><i>"C. Drill method test shafts to the depth of the deepest and the diameter of the largest diameter production drilled shaft indicated on the Construction Drawings."</i></p>	B4 - Pt C.1, Page 325 of 406
11	<p>Section 31 63 29, Article 3.2 Method Test Shafts</p> <p>Paragraph D. Insert the word "method" prior to the words "test shafts".</p>	B4 - Pt C.1, Page 325 of 406
12	<p>Section 31 63 29, Article 3.2 Method Test Shafts</p> <p>Paragraph G. In first sentence delete "2 feet" and substitute with "3 feet".</p>	B4 - Pt C.1, Page 325 of 406



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

Change No.	Description	Location
13	<p>Section 31 63 29, Article 3.3 Load Tests</p> <p>Per the response to CP01-RFI-0035,</p> <p>Deleted Paragraphs A.1, A.2, and A.3 and substitute to read as follows:</p> <p><i>"1. Load test using conventional static load tests and Osterberg load cells shall be carried out on the method test shafts as described hereinafter to determine whether or not the shafts can carry and withstand the imposed loads.</i></p> <p><i>2. Perform load tests for method test shafts (static and lateral loading tests) per site as defined in the CHSTP Design Criteria.</i></p> <p><i>3. Perform additional load tests as required by the Contractor's geotechnical engineer. Except for shafts required for testing, additional shaft construction for the same structure shall not be permitted until the load tests are completed and the results of the load tests have been reviewed by and are satisfactory to the Contractor's geotechnical engineer and accepted by the Contracting Officer."</i></p>	B4 - Pt C.1, Page 325 and 326 of 406
14	<p>Section 31 63 29, Article 3.3 Load Tests</p> <p>Per the response to CP01-RFI-0035,</p> <p>Deleted Paragraph B. and substituted to read as follows:</p> <p><i>"B. Compression Load Tests: Perform tests in accordance with ASTM D1143. Method of load test shall follow "Quick Load Test Method for Individual Piles" as specified in ASTM D1143, Section 5.6. The test load shall be twice the service load for production shafts and the ultimate load for method test shafts. Test loads may be greater when prescribed by the Contractor's geotechnical engineer. Apply the load in increments equal to 10 percent of the test load, with a constant time interval between increments of 5 minutes. Maintain the test load for not less than 15 minutes, unless the shaft has failed as determined by the Contractor's geotechnical engineer. Remove the test load in increments equal to 25 percent of the test load, with a constant time interval between increments of 5 minutes."</i></p>	B4 - Pt C.1, Page 326 of 406



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

Change No.	Description	Location
15	<p>Section 31 63 29, Article 3.3 Load Tests</p> <p>Per the response to CP01-RFI-0035,</p> <p>In third sentence of Paragraph C. deleted the word "design" and substitute with the word "service".</p>	B4 - Pt C.1, Page 326 of 406
16	<p>Section 31 63 29, Article 3.3 Load Tests</p> <p>Per the response to CP01-RFI-0035,</p> <p>In second sentence of Paragraph C. deleted the word "design" and substitute with the word "service".</p>	B4 - Pt C.1, Page 326 of 406
17	<p>Section 31 63 29, Article 3.3 Load Tests</p> <p>Per the response to CP01-RFI-0035,</p> <p>Added Paragraph E. and E.1:</p> <p><i>"E. The Osterberg Loadcell Testing: Tests shall be performed by Loadtest, Inc. in general compliance with ASTM D1143 Standard Test Method for Piles Under Static Axial Load using the Quick Load Test Method for Individual Piles. There is no known equal to Osterberg Loadcell Testing performed by Loadtest. The Contractor may perform testing by conventional methods as an alternative to Osterberg Loadcell Testing,</i></p> <p><i>1. Regarding Osterberg Loadcell Testing, initially the loads shall be applied in increments equaling 5 percent of the anticipated ultimate capacity of the method test shaft. The magnitude of the load increments shall be proposed by Loadtest Inc. and approved by the Contractor's geotechnical engineer. Once approved, the load increments shall not be changed during the test."</i></p>	B4 - Pt C.1, Page 326 of 406
18	<p>Section 31 63 29, Article 3.4 Excavation</p> <p>Deleted Paragraph A.1. Renumbered remaining Paragraphs under A.</p>	B4 - Pt C.1, Page 326 of 406



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

Change No.	Description	Location
19	Section 31 63 29, Article 3.4 Excavation Added the following sentence at the end of Paragraph B.1: <i>"Temporary casing specified under this Article in Paragraph entitled "Temporary Casing Method of Construction" may also be used with the dry method."</i>	B4 - Pt C.1, Page 327 of 406
20	Section 31 63 29, Article 3.6 Concrete Placement In Paragraph E. deleted the number "15" and substitute with the number "30".	B4 - Pt C.1, Page 329 of 406

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

Change No.	Description	Location
19	Provided new Standard Specifications Section: 03 15 23 Concrete Anchors	B4 - Pt D.1

Addendum No.: 3**RFP Document:** Book 4, Part C, Section 2 - Special Specifications New Document Revised Document Change Log Only

Change No.	Description	Location
1	Provided new Special Specification Section: <i>02 01 11.23 Reconfiguration of Stanislaus and Tuolumne Streets</i> and its attachment: <i>City of Fresno Diagram</i>	B4 - Pt C.2



Addendum No.: 3**RFP Document:** Book 4, Part C, Section 2 - Special Specifications New Document Revised Document Change Log Only

Change No.	Description	Location
2	<p>Section 03 30 01, Article 1.6 Criteria</p> <p>Added the following Paragraph at the end of the Article:</p> <p>"G. <i>E Jensen Avenue Bridge</i></p> <p>1. <i>Design a system of temporary shoring to ensure that the foundations of the existing E Jensen Avenue bridge are protected from movement during the construction of the Jensen Trench.</i>"</p>	B4 - Pt C.2
3	<p>Section 03 30 01, Part 3 - Execution</p> <p>Revised the beginning of Paragraph B. through Paragraph B.1. to read as follows:</p> <p>"B. <i>Prepare specific proposals for the diversion of the 96 inch Storm Drain outfall near Belmont basin and the 84 inch Storm Drain at E Church Ave for approval. As a minimum including:</i></p> <p>1. <i>Coordinate the design and construction of the utility diversion with the design of the Trench Structure and the temporary shoring systems.</i>"</p>	B4 - Pt C.2
4	<p>Section 35 40 00, Article 2.1 Criteria</p> <p>Revised Paragraphs B. 1. and B. 4. to read as follows:</p> <p>"1. <i>Take place outside approved flood and irrigation seasonal periods per FID requirements.</i></p> <p>4. <i>Maintain FID maintenance access and provide new access, as necessary, for canal realignments.</i>"</p>	B4 - Pt C.2
5	<p>Section 35 40 00, Article 3.1 Coordination with Fresno Irrigation District (FID)</p> <p>Revised Paragraph B. to read as follows:</p> <p>B. <i>Coordinate the construction of the waterway structures in the areas of Herndon Canal, Dry Creek, Fresno Colony Canal, Central Canal, and Viau Canal with the requirements of FID and Fresno Metropolitan Flood Control District (FMFCD) authorities to ensure that there is adequate provision for dealing with the risk of flooding at all times.</i>"</p>	B4 - Pt C.2



Addendum No.: 3**RFP Document:** Book 4, Part C, Section 2 - Special Specifications New Document Revised Document Change Log Only

Change No.	Description	Location
6	<p>Section 35 40 00, Article 3.2 Serviceability</p> <p>Revised entire Article to read as follows:</p> <p>"3.2 SERVICEABILITY</p> <p>A. <i>The Contractor shall be able to bypass flows up to 600 cubic feet per second (cfs) in Herndon Canal per FID requirements.</i></p> <p>B. <i>The Contractor shall be able to bypass flows of up to 500 cubic feet per second (cfs) in Dry Creek Canal per FID requirements</i></p> <p>C. <i>The Contractor shall be able to bypass flows of up to 50 cubic feet per second (cfs) in Fresno Colony Canal per FID requirements.</i></p> <p>D. <i>The Contractor shall be able to bypass flows of up to 350 cubic feet per second (cfs) in Central Canal per FID requirements.</i></p> <p>E. <i>The Contractor shall be able to bypass flows of up to 9 cubic feet per second (cfs) in Viau Canal per FID requirements."</i></p>	B4 - Pt C.2

Addendum No.: 3**RFP Document:** Book 4, Part D, Section 1 –CP 01 ALG Design Files New Document Revised Document Change Log Only

Change No.	Description	Location
1	Updated ALG files provided to include alignment within CP1C limits	B4 - Pt D.1

Addendum No.: 3**RFP Document:** Book 4, Part D, Section 2 – CP01 DTM Terrain Files New Document Revised Document Change Log Only

Change No.	Description	Location
1	Updated DTM files provided to include alignment within CP1C limits	B4 - Pt D.2



Addendum No.: 3**RFP Document:** Book 4, Part D, Section 3 – CP01-Existing Utility Data New Document Revised Document Change Log Only

Change No.	Description	Location
1	Updated existing utility data provided to include alignment within CP1C limits	B4 - Pt D.2

Addendum No.: 3**RFP Document:** Book 4, Part D, Section 4 – Topographic Mapping New Document Revised Document Change Log Only

Change No.	Description	Location
1	Resubmit X-FB-XB-Z4012.dgn. File submitted for initial release was corrupt	B4 - Pt D.4
2	Per the response to CP01-RFI-00129, 3D Topographic mapping provided for the areas between the San Joaquin River and Olive Ave, and between Santa Clara to E. American Ave	B4 - Pt D.4

Addendum No.: 3**RFP Document:** Book 4, Part D, Section 5 –CP 01 Cross Sections New Document Revised Document Change Log Only

Change No.	Description	Location
1	Updated cross sections provided to include alignment within CP1C limits	B4 - Pt D.5

Addendum No.: 3**RFP Document:** Book 4, Part D, Section 9 – CP01A-B-C Sheet DGN Files New Document Revised Document Change Log Only

Change No.	Description	Location
1	Per the response to CP01-RFI-0085, requested Electronic DGNs provided for CP01A, CP01B, CP01C and Hybrid Alternative Design Plans.	B3 - Pt D.9

