

California High-Speed Train Project



Request for Proposal for Design-Build Services

RFP No.: HSR 11-16
Scope of Work

ATTACHMENT 8
TECHNICAL CONTRACT SUBMITTAL LIST

Attachment 8 - Technical Contract Submittal List

This list is intended to provide the Contractor with a summary of the Technical Contract Submittal requirements of the Contract Documents. Contractor shall use this list as the basis to prepare its list of submittal requirements per the Contract Documents.

CONTRACT REFERENCE (CP1)				SUBMITTAL TITLE/PACKAGE	DUE DATE	SUBMITTAL TO AUTHORITY (APPROVAL, SONO, INFORMATION)
NO.	DESIGNATION	SECTION NO./ CHAPTER	ARTICLE			
1	Scope of Work		4.9.1	Design Baseline Report	NTP + 180 days	APPROVAL
2	Scope of Work		4.9.5	Aesthetic Design and Review for Non-Station Structure Report (as part of Design Baseline Report)	NTP + 180 days	APPROVAL
3	Scope of Work		4.4	Design and Code Analysis Report	Design Submittal	SONO
4	Scope of Work		4.5	Safety and Security Certification Plan	NTP + 60 days	SONO
5	Scope of Work		4.8	Value Engineering Report	After Approval of Design Baseline Report	SONO
6	Scope of Work		4.9.2	Hydrology and Hydraulics Reports	Design Submittal	SONO
7	Scope of Work		4.9.3	Geotechnical Reports (GDR and GEDR) and all technical memoranda	Design Submittal	SONO
8	Scope of Work		4.9.3	GBR-C	Prior to beginning of construction	APPROVAL
9	Scope of Work		4.9.3	Geotechnical Investigation Plan (GIP)	Prior to commencement of field work	SONO
10	Scope of Work		4.9.4	Type Selection Report, including Type Selection Memo, Major Reports, and Supporting Reports	After Approval of Design Baseline Report	APPROVAL
11	Scope of Work		4.9.5	Structures Reports	Design Submittal	SONO
12	Scope of Work		4.9.6	Certifiable Elements and Hazards Log	Quarterly	SONO
13	Scope of Work		4.9.7	Safety and Security Certification Package	When Certifiable Items Lists for each element is completed for milestone payment	SONO
14	Scope of Work		4.9.8	Final Design Report	Design Submittal	SONO
15	Scope of Work		4.11	Nominal 60% Construction Drawings (all sheets represented) and Specifications (outline)	Design Submittal (60% Design)	SONO
16	Scope of Work		4.11	Nominal 90% Construction Drawings (all sheets included) and Specifications (all specs included)	Design Submittal (90% Design)	SONO
17	Scope of Work		4.11	Survey Reports (signed and sealed) - Refer to Standard Specifications	Design Submittal	SONO
18	Scope of Work		4.12	Copy of Third-Party Design Submittals and Approvals	Design Submittal	Per V&V Document (Book 3)
19	Scope of Work		4.13	Ready for Construction Submittals (signed and sealed)	Prior to beginning of construction	APPROVAL
20	Scope of Work		4.14	Design Variance Requests	As needed, but Prior to incorporation into RFC	APPROVAL
21	Scope of Work		4.15.1	Site-Specific Health and Safety Plan	NTP + 60 days	SONO
22	Scope of Work		4.15.1	Site-Specific Security Plan	NTP + 60 days	SONO
23	Scope of Work		4.15.2	Hazardous Materials Remediation Plan	Prior to performing the hazardous material removal work	APPROVAL
24	Scope of Work		4.15.4	Construction-Phase Submittals - Refer to Standard Specifications	Per Standard Specifications	Per Standard Specifications

12/17/2012 ADDENDUM 7 - RFP HSR 11-16

Attachment 8 - Technical Contract Submittal List

This list is intended to provide the Contractor with a summary of the Technical Contract Submittal requirements of the Contract Documents. Contractor shall use this list as the basis to prepare its list of submittal requirements per the Contract Documents.

CONTRACT REFERENCE (CP1)				SUBMITTAL TITLE/PACKAGE	DUE DATE	SUBMITTAL TO AUTHORITY (APPROVAL, SONO, INFORMATION)
NO.	DESIGNATION	SECTION NO./ CHAPTER	ARTICLE			
25	Scope of Work		4.15.5	As-Builts (signed and sealed)		SONO
26	Scope of Work		4.15.6	List of Mitigation Measures - Refer to other Contract Requirements		SONO
27	Scope of Work		5.1	Demolition Plan	Prior to demolition work	SONO
28	Scope of Work		5.4	Trackbed Analysis Report	Design Submittal	SONO
29	Scope of Work		5.17.1	Contractor RAM Program Plan (CRMP) - Final	NTP + 60 days	SONO
30	Scope of Work		5.17.1	Contractor RAM Program Plan (CRMP) - Draft	NTP + 90 days	SONO
31	Scope of Work		5.17.1	RAM Allocation Report	Baseline Design Report Submittal	SONO
32	Scope of Work		5.17.1	Historical Product Maintainability Report (HPMR)	Baseline Design Report Submittal	SONO
33	Scope of Work		5.17.1	Maintenance Manuals	Final Design Report Submittal	SONO
34	Scope of Work		5.17.1	Reliability-Centered Maintenance (RCM)	Final Design Report Submittal	SONO
35	Scope of Work		5.17.1	Preventive Maintenance Analysis (PMA)	Final Design Report Submittal	-
36	Scope of Work		5.17.1	Corrective Maintenance Analysis (CMA)	Final Design Report Submittal	-
37	Scope of Work		5.17.1	Maintainability Demonstration Plan and Procedure (MDPP)	Final Design Report Submittal	SONO
38	Scope of Work		5.17.1	Maintainability Demonstration Test Report (MDTR)	Before or with Substantial Completion approval request	SONO
39	Scope of Work		5.18	Design Life and Durability Report	Final Design Report Submittal	SONO
40	Design Criteria Manual, Rev. 0	CH 7 - Civil	7.8.1.5	An alternative method of providing vehicular access to the trackside from the Authority facility	Baseline Design Report Submittal	APPROVAL
41	Design Criteria Manual, Rev. 0	CH 7 - Civil	7.8.4.3	Case 2 Concrete Barrier Wall Design Drawings	Design Submittal	APPROVAL
42	Design Criteria Manual, Rev. 0	CH 7 - Civil	7.10.3	Design drawings for temporary structures for the support and maintenance of surface traffic adjacent to and/or over the construction site	Construction Submittals	SONO
43	Design Criteria Manual, Rev. 0	CH 9 - Utilities	9.5.3	Request for access to non-CHST utilities from the Authority's right-of-way	Design Submittal	SONO
44	Design Criteria Manual, Rev. 0	CH 9 - Utilities	9.5.5.4	Utility protection and monitoring plan (provided to the utility owner)	Construction Submittals	INFORMATION
45	Design Criteria Manual, Rev. 0.1	CH 10 - Geotechnical	10.4/ 10-C.3	Qualifications of boring, in-situ testing inspection staff as well as rock mapping staff and the blasting specialist	Design Submittal	SONO
46	Design Criteria Manual, Rev. 0.1	CH 10 - Geotechnical	10.6.4.3	Results of the Drivability Analysis	Design Submittal	SONO
47	Design Criteria Manual, Rev. 0.1	CH 10 - Geotechnical	10.6.4.3	Indicator pile and testing results	Construction Submittals	SONO
48	Design Criteria Manual, Rev. 0.1	CH 10 - Geotechnical	10.12.4.4	Verification of Numerical Program	Design Submittal	SONO
49	Design Criteria Manual, Rev. 0.1	CH 10 - Geotechnical	10-C.3	Rock Mapping Records	Design Submittal	INFORMATION
50	Design Criteria Manual, Rev. 0.1	CH 10 - Geotechnical	10-C.5.1	Blasting Plan	Design Submittal	SONO

12/17/2012 ADDENDUM 7 - RFP HSR 11-16

Attachment 8 - Technical Contract Submittal List

This list is intended to provide the Contractor with a summary of the Technical Contract Submittal requirements of the Contract Documents. Contractor shall use this list as the basis to prepare its list of submittal requirements per the Contract Documents.

CONTRACT REFERENCE (CP1)				SUBMITTAL TITLE/PACKAGE	DUE DATE	SUBMITTAL TO AUTHORITY (APPROVAL, SONO, INFORMATION)
NO.	DESIGNATION	SECTION NO./ CHAPTER	ARTICLE			
51	Design Criteria Manual, Rev. 0.1	CH 11 - Seismic	11.3	Seismic Analysis and Design Plan	Design Submittal	APPROVAL
52	Design Criteria Manual, Rev. 0.1	CH 12 - Structures	12.6.8.6	Rail Stress and Fastener Design and Analysis Plan	Design Submittal	APPROVAL
53	Design Criteria Manual, Rev. 0.1	CH 12 - Structures	12.8.1.1	Bridge Type Selection Submittals as described in the Caltrans OFSP Procedures	Design Submittal	APPROVAL
54	Design Criteria Manual, Rev. 0.1	CH 12 - Structures	12.8.7	Complex and Non-Standard Aerial Structures Load Path Report	Design Submittal	APPROVAL
55	Design Criteria Manual, Rev. 0.1	CH 12 - Structures	12.11.3	A list of a minimum of five successful waterproofing system projects of similar design and complexity completed within the past five years	Construction Submittals	SONO
56	Design Criteria Manual, Rev. 0	CH 13 - Tunnels	13.8.1	Examples of where the load design method has been used before for tunnel design, and verification of the assumptions made about the behavior of the ground or the lining	Design Submittal	INFORMATION
57	Verification, Validation and Self-Certification		2.1	Verification and Validation Plan - Draft	NTP + 60 days	SONO
58	Verification, Validation and Self-Certification		2.1	Verification and Validation Plan - Final	NTP + 90 days	SONO
59	Verification, Validation and Self-Certification		2.1	Verification and Validation Plan - Update	Design Submittal	INFORMATION
60	Verification, Validation and Self-Certification		2.2	RM Tool - Licenses	NTP + 30 days	INFORMATION
61	Verification, Validation and Self-Certification		2.2	RM Tool - Database	Monthly	SONO
62	Verification, Validation and Self-Certification		3.2	Key personnel resumes	During mobilization & prior to hiring	SONO
63	Verification, Validation and Self-Certification		3.3	ICE/ISE assessment plan - draft	NTP + 60 days	SONO
64	Verification, Validation and Self-Certification		3.3	ICE/ISE assessment plan - final	NTP + 90 days	SONO
65	Verification, Validation and Self-Certification		3.3	ICE/ISE monthly progress & status report	Monthly	INFORMATION
66	Verification, Validation and Self-Certification		3.3	ICE/ISE quarterly progress & status report	Quarterly	INFORMATION
67	Verification, Validation and Self-Certification		2.6	V&V Submittal (RM tool data copy, RVTM, CIL and V&V report)	Baseline Design Report Submittal	SONO
68	Verification, Validation and Self-Certification		3.1	Contractor Self Certification	Baseline Design Report Submittal	SONO
69	Verification, Validation and Self-Certification		3.3	ICE/ISE Assessment Report and Certificate	Baseline Design Report Submittal	SONO
70	Verification, Validation and Self-Certification		2.6	V&V Submittal (RM tool data copy, RVTM, CIL and V&V report)	Milestone Design Submittals	SONO
71	Verification, Validation and Self-Certification		3.1	Contractor Self Certification	Milestone Design Submittals	SONO
72	Verification, Validation and Self-Certification		3.3	ICE/ISE Assessment Report and Certificate	Milestone Design Submittals	SONO
73	Verification, Validation and Self-Certification		2.6	V&V Submittal (RM tool data copy, RVTM, CIL and V&V report)	Design Submittal	SONO
74	Verification, Validation and Self-Certification		3.1	Contractor Self Certification	Design Submittal	SONO
75	Verification, Validation and Self-Certification		3.3	ICE/ISE Assessment Report and Certificate	Design Submittal	SONO
76	Verification, Validation and Self-Certification		2.6	V&V Submittal (RM tool data copy, RVTM, CIL and V&V report)	Construction Submittals	SONO
77	Verification, Validation and Self-Certification		3.1	Contractor Self Certification	Construction Submittals	SONO
78	Verification, Validation and Self-Certification		3.3	ICE/ISE Assessment Report and Certificate	Construction Submittals	SONO
79	Verification, Validation and Self-Certification		2.6	V&V Submittal (RM tool data copy, RVTM, CIL and V&V report)	As-Built Submittals	SONO
80	Verification, Validation and Self-Certification		3.1	Contractor Self Certification	As-Built Submittals	SONO
81	Verification, Validation and Self-Certification		3.3	ICE/ISE Assessment Report and Certificate	As-Built Submittals	SONO
82	Standard Specifications (Mandatory) Site Surveys	02 21 13	1.3.B	A survey plan for establishing, controlling, and checking the positions for all work products and deliverables	As needed	INFORMATION

12/17/2012 ADDENDUM 7 - RFP HSR 11-16

Attachment 8 - Technical Contract Submittal List

This list is intended to provide the Contractor with a summary of the Technical Contract Submittal requirements of the Contract Documents. Contractor shall use this list as the basis to prepare its list of submittal requirements per the Contract Documents.

CONTRACT REFERENCE (CP1)				SUBMITTAL TITLE/PACKAGE	DUE DATE	SUBMITTAL TO AUTHORITY (APPROVAL, SONO, INFORMATION)
NO.	DESIGNATION	SECTION NO./ CHAPTER	ARTICLE			
83	Standard Specifications (Mandatory) Site Surveys	02 21 13	1.3.C	A report of surveys and computations made for the purposes of densification of survey control	As needed	INFORMATION
84	Standard Specifications (Mandatory) Site Surveys	02 21 13	1.3.D	One signed copy of each survey document to the Authority for record purposes.	As needed	INFORMATION
85	Standard Specifications (Mandatory) Site Surveys	02 21 13	1.3.E	Mapping or Digital Terrain Model (DTM) products developed from photogrammetry or scanning technology	As needed	SONO
86	Standard Specifications (Mandatory) Site Surveys	02 21 13	1.3.F	A report including methods used, survey control set or utilized, field checks made, accuracy performance achieved, etc. Include CADD files.	As needed	INFORMATION
87	Standard Specifications (Mandatory) Site Surveys	02 21 13	1.3.G	Survey report of all found or set monuments controlling land boundaries	As needed	SONO
88	Standard Specifications (Mandatory) Site Surveys	02 21 13	1.3.H	Survey report of all field ties made for items such as existing features, locations of potholes, geotechnical borings, horizontal and vertical clearances to major structures or facilities, and catenary wire sag	As needed	INFORMATION
89	Standard Specifications (Mandatory) Field Engineering	02 21 23	1.3.A	A survey plan for establishing, controlling, and checking the layout for all work. with a plan sheet showing the horizontal distance, azimuth, and angle from the control points	As needed	INFORMATION
90	Standard Specifications (Mandatory) Field Engineering	02 21 23	1.3.B	Survey showing actual as-built conditions for all work indicating its conformance to the Contract Documents	As needed	SONO
91	Standard Specifications (Mandatory) Field Engineering	02 21 23	1.3.C	Submit for each element of work constructed survey showing actual as-built conditions.	As needed	SONO
92	Standard Specifications (Mandatory) Photographic Documentation	02 21 33	1.3	Photographs and digital video recording of project site:	1. Before commencement of clearing, demolition, and subsurface work. 2. Upon completion of clearing and demolition. 3. Upon completion of subsurface work. 4. Monthly during performance of the Work, or more frequently as needed. 5. At all construction milestones 6. Upon completion of the Work.	INFORMATION
93	Standard Specifications (Mandatory) Photographic Documentation	02 21 33	1.5.A and B	Digital video recordings of all construction milestones and the following events	1. Prior to Construction 2. Start of Construction	INFORMATION
94	Standard Specifications (Mandatory) Photographic Documentation	02 21 33	1.5.C	Format and quality of uploaded recordings to Authority's web portal.	As needed	SONO

12/17/2012 ADDENDUM 7 - RFP HSR 11-16

Attachment 8 - Technical Contract Submittal List

This list is intended to provide the Contractor with a summary of the Technical Contract Submittal requirements of the Contract Documents. Contractor shall use this list as the basis to prepare its list of submittal requirements per the Contract Documents.

CONTRACT REFERENCE (CP1)				SUBMITTAL TITLE/PACKAGE	DUE DATE	SUBMITTAL TO AUTHORITY (APPROVAL, SONO, INFORMATION)
NO.	DESIGNATION	SECTION NO./CHAPTER	ARTICLE			
95	Standard Specifications (Mandatory) Photographic Documentation	02 21 33	1.6.A	Color aerial photographs of the entire job site	As needed	INFORMATION
96	Standard Specifications (Mandatory) Photographic Documentation	02 21 33	1.8.A	Aerial photographs of the entire Jobsite	As needed	INFORMATION
97	Standard Specifications (Mandatory) Existing Conditions Assessment	02 22 00	1.3.A	Preconstruction Condition Survey Report.	As needed	INFORMATION
98	Standard Specifications (Mandatory) Portland Cement Concrete	03 05 15	1.6.A	Concrete Mix Designs	As needed	INFORMATION
99	Standard Specifications (Mandatory) Portland Cement Concrete	03 05 15	1.6.B	Manufacturer's product data for proposed concrete admixtures	As needed	SONO
100	Standard Specifications (Mandatory) Portland Cement Concrete	03 05 15	1.6.C	Aggregate source	As needed	SONO
101	Standard Specifications (Mandatory) Portland Cement Concrete	03 05 15	1.6.D	Affidavits/Certificates for cement, aggregate, supplementary cementitious materials, and admixtures	As needed	INFORMATION
102	Standard Specifications (Mandatory) Portland Cement Concrete	03 05 15	1.6.E	Batch Tickets	As needed	-
103	Standard Specifications (Mandatory) Portland Cement Concrete	03 05 15	1.6.F	Name, address, and telephone number of the laboratory, agency, mill, or ready-mix plant	As needed	INFORMATION
104	Standard Specifications (Mandatory) Portland Cement Concrete	03 05 15	2.1.C.1	Source of Special Aggregates	As needed	SONO
105	Standard Specifications (Mandatory) Portland Cement Concrete	03 05 15	2.1.D	Concrete Admixture and Cementitious Materials	As needed	SONO
106	Standard Specifications (Mandatory) Prestressed Concrete	03 05 18	1.6.A	Test results and certifications re. Post-Tensioning System	As needed	SONO
107	Standard Specifications (Mandatory) Prestressed Concrete	03 05 18	1.6.B	Shop drawings	As needed	INFORMATION
108	Standard Specifications (Mandatory) Prestressed Concrete	03 05 18	1.6.C	Safety Plan	As needed	INFORMATION
109	Standard Specifications (Mandatory) Prestressed Concrete	03 05 18	1.6.D	Grouting Operations Plan	As needed	INFORMATION
110	Standard Specifications (Mandatory) Prestressed Concrete	03 05 18	1.6.E	Product Data	As needed	SONO
111	Standard Specifications (Mandatory) Prestressed Concrete	03 05 18	1.6.F	Certification	As needed	INFORMATION
112	Standard Specifications (Mandatory) Prestressed Concrete	03 05 18	1.6.G	Grouting Report	Within 72 hours of each grouting operation	INFORMATION
113	Standard Specifications (Mandatory) Prestressed Concrete	03 05 18	1.6.H	Field Test Reports	As needed	INFORMATION

12/17/2012 ADDENDUM 7 - RFP HSR 11-16

Attachment 8 - Technical Contract Submittal List

This list is intended to provide the Contractor with a summary of the Technical Contract Submittal requirements of the Contract Documents. Contractor shall use this list as the basis to prepare its list of submittal requirements per the Contract Documents.

CONTRACT REFERENCE (CP1)				SUBMITTAL TITLE/PACKAGE	DUE DATE	SUBMITTAL TO AUTHORITY (APPROVAL, SONO, INFORMATION)
NO.	DESIGNATION	SECTION NO./ CHAPTER	ARTICLE			
114	Standard Specifications (Mandatory) Prestressed Concrete	03 05 18	1.6.I	Elastomeric Coating Applicator Qualifications	As needed	INFORMATION
115	Standard Specifications (Mandatory) Prestressed Concrete	03 05 18	1.6.J	Prestressing Firm Qualifications	As needed	SONO
116	Standard Specifications (Mandatory) Prestressed Concrete	03 05 18	1.7.C	Certification of independent laboratory if outside the U.S.	As needed	SONO
117	Standard Specifications (Mandatory) Falsework	03 11 14	1.4.A	Shop drawings and supporting calculations for falsework	As needed	INFORMATION
118	Standard Specifications (Mandatory) Falsework	03 11 14	1.4.B	Form design and materials data	As needed	INFORMATION
119	Standard Specifications (Mandatory) Falsework	03 11 14	1.4.C	Falsework lighting plan	As needed	INFORMATION
120	Standard Specifications (Mandatory) Concrete Anchors	03 15 23	1.6.A	Product Data	As needed	INFORMATION
121	Standard Specifications (Mandatory) Concrete Anchors	03 15 23	1.6.B	Samples	As needed	INFORMATION
122	Standard Specifications (Mandatory) Concrete Anchors	03 15 23	1.6.C	Certified Test Reports	As needed	INFORMATION
123	Standard Specifications (Mandatory) Concrete Anchors	03 15 23	1.6.D	Installer Qualifications and Procedures	As needed	INFORMATION
124	Standard Specifications (Mandatory) Concrete Anchors	03 15 23	1.6.E	Installation and Field Quality Control Methods	As needed	INFORMATION
125	Standard Specifications (Mandatory) Concrete Anchors	03 15 23	1.6.F	Certificates	As needed	INFORMATION
126	Standard Specifications (Mandatory) Concrete Anchors	03 15 23	1.6.G	installation and Testing Methods	As needed	INFORMATION
127	Standard Specifications (Mandatory) Concrete Anchors	03 15 23	1.6.H	Documentation	As needed	INFORMATION
128	Standard Specifications (Mandatory) Concrete Anchors	03 15 23	1.6.H.4	Failed Anchor Documentation	As needed	SONO
129	Standard Specifications (Mandatory) Concrete Anchors	03 15 23	1.6.I	Record Documents	As needed	INFORMATION
130	Standard Specifications (Mandatory) Concrete Reinforcing	03 20 00	1.4.A	Shop drawings for all reinforcing steel	As needed	INFORMATION
131	Standard Specifications (Mandatory) Concrete Reinforcing	03 20 00	1.4.B	Product Data	As needed	INFORMATION
132	Standard Specifications (Mandatory) Concrete Reinforcing	03 20 00	1.4.C	Certificates	As needed	INFORMATION
133	Standard Specifications (Mandatory) Cast-In-Place Concrete	03 30 00	1.4.A	Shop Drawings	As needed	INFORMATION

12/17/2012 ADDENDUM 7 - RFP HSR 11-16

Attachment 8 - Technical Contract Submittal List

This list is intended to provide the Contractor with a summary of the Technical Contract Submittal requirements of the Contract Documents. Contractor shall use this list as the basis to prepare its list of submittal requirements per the Contract Documents.

CONTRACT REFERENCE (CP1)				SUBMITTAL TITLE/PACKAGE	DUE DATE	SUBMITTAL TO AUTHORITY (APPROVAL, SONO, INFORMATION)
NO.	DESIGNATION	SECTION NO./ CHAPTER	ARTICLE			
134	Standard Specifications (Mandatory) Cast-In-Place Concrete	03 30 00	1.4.B	Product Data	As needed	INFORMATION
135	Standard Specifications (Mandatory) Cast-In-Place Concrete	03 30 00	1.4.C	Records and Reports	As needed	INFORMATION
136	Standard Specifications (Mandatory) Cast-In-Place Concrete	03 30 00	1.5.C.1	Site Mock-ups	As needed	SONO
137	Standard Specifications (Mandatory) Concrete Finishing	03 35 00	1.5.C and D	Site Mock-ups	As needed	SONO
138	Standard Specifications (Mandatory) Precast Concrete	03 40 00	1.5.A	Shop Drawings	As needed	INFORMATION
139	Standard Specifications (Mandatory) Precast Concrete	03 40 00	1.5.B	Product Data	As needed	INFORMATION
140	Standard Specifications (Mandatory) Precast Concrete	03 40 00	1.5.C	Samples	As needed	INFORMATION
141	Standard Specifications (Mandatory) Precast Concrete	03 40 00	1.5.D	Certificates	As needed	INFORMATION
142	Standard Specifications (Mandatory) Precast Concrete	03 40 00	1.6.E	Mock-ups	As needed	SONO
143	Standard Specifications (Mandatory) Precast Concrete	03 40 00	1.6.F	Control Samples	As needed	SONO
144	Standard Specifications (Mandatory) Precast Concrete Segmental Construction	03 43 00	1.6.A	Shop drawings and calculations for precast concrete segmental construction, Casting manual, Erection Manual, etc.	As needed	SONO
145	Standard Specifications (Mandatory) Precast Concrete Segmental Construction	03 43 00	1.6.B	Qualifications of personnel	As needed	INFORMATION
146	Standard Specifications (Mandatory) Precast Concrete Segmental Construction	03 43 00	1.6.C	Record of Jointing	As needed	INFORMATION
147	Standard Specifications (Mandatory) Mass Concrete	03 70 00	1.4.B	Gradation of Aggregates	As needed	INFORMATION
148	Standard Specifications (Mandatory) Mass Concrete	03 70 00	1.4.C	Temperature Control Plan	As needed	INFORMATION
149	Standard Specifications (Mandatory) Mass Concrete	03 70 00	1.4.D	Repairs methods or corrective actions	As needed	INFORMATION
150	Standard Specifications (Mandatory) Mass Concrete	03 70 00	1.4.E	Layout of cooling pipe system if used	As needed	INFORMATION
151	Standard Specifications (Mandatory) Mass Concrete	03 70 00	1.4.F	Concrete Placement Plan	As needed	INFORMATION
152	Standard Specifications (Mandatory) Mass Concrete	03 70 00	1.4.G	Daily reports of temperature monitoring of concrete	As needed	INFORMATION
153	Standard Specifications (Mandatory) Metal Welding	05 05 22	1.5.A	Shop Drawings	As needed	INFORMATION

12/17/2012 ADDENDUM 7 - RFP HSR 11-16

Attachment 8 - Technical Contract Submittal List

This list is intended to provide the Contractor with a summary of the Technical Contract Submittal requirements of the Contract Documents. Contractor shall use this list as the basis to prepare its list of submittal requirements per the Contract Documents.

CONTRACT REFERENCE (CP1)				SUBMITTAL TITLE/PACKAGE	DUE DATE	SUBMITTAL TO AUTHORITY (APPROVAL, SONO, INFORMATION)
NO.	DESIGNATION	SECTION NO./ CHAPTER	ARTICLE			
154	Standard Specifications (Mandatory) Metal Welding	05 05 22	1.5.B	Welder Qualifications	As needed	INFORMATION
155	Standard Specifications (Mandatory) Metal Welding	05 05 22	1.5.C	Welding Procedure Specifications (WPS)	As needed	INFORMATION
156	Standard Specifications (Mandatory) Metal Welding	05 05 22	1.5.D	Welding Records and Data	As needed	INFORMATION
157	Standard Specifications (Mandatory) Metal Welding	05 05 22	1.5.E	Mill Certificates	As needed	INFORMATION
158	Standard Specifications (Mandatory) Structural Steel Framing	05 12 00	1.4.A	Shop drawings	As needed	INFORMATION
159	Standard Specifications (Mandatory) Structural Steel Framing	05 12 00	1.4.B	Product data	As needed	INFORMATION
160	Standard Specifications (Mandatory) Structural Steel Framing	05 12 00	1.4.C	Mill Test Reports	As needed	INFORMATION
161	Standard Specifications (Mandatory) Structural Steel Framing	05 12 00	1.4.D	Fabrication Qualifications	As needed	INFORMATION
162	Standard Specifications (Mandatory) Structural Steel Framing	05 12 00	1.4.E	High-Strength Bolted Connection Reports	As needed	INFORMATION
163	Standard Specifications (Mandatory) Structural Steel Framing	05 12 00	1.4.F	Welding Records and Data	As needed	INFORMATION
164	Standard Specifications (Mandatory) Bridge Bearings	07 95 63	1.4.A	Shop drawings	As needed	INFORMATION
165	Standard Specifications (Mandatory) Bridge Bearings	07 95 63	1.4.B	Calculations	As needed	INFORMATION
166	Standard Specifications (Mandatory) Bridge Bearings	07 95 63	1.4.C	Weld procedures	As needed	INFORMATION
167	Standard Specifications (Mandatory) Bridge Bearings	07 95 63	1.4.D	Product Data	As needed	SONO
168	Standard Specifications (Mandatory) Bridge Bearings	07 95 63	1.4.E	Certificates of Compliance	As needed	INFORMATION
169	Standard Specifications (Mandatory) Bridge Bearings	07 95 63	1.4.F	Factory Quality Control Test Procedures and Results	As needed	INFORMATION
170	Standard Specifications (Mandatory) Bridge Expansion Joint Assemblies	07 95 66	1.4.A	Product data and shop drawings for the expansion joint system	As needed	SONO
171	Standard Specifications (Mandatory) Bridge Expansion Joint Assemblies	07 95 66	1.4.B	Certifications of compliance	As needed	INFORMATION
172	Standard Specifications (Mandatory) Bridge Expansion Joint Assemblies	07 95 66	1.4.C	Fire rating certification	As needed	INFORMATION
173	Standard Specifications (Mandatory) High-Performance Coatings	09 96 00	1.6.A	Product Data and Manufacturer's Certification	As needed	SONO

12/17/2012 ADDENDUM 7 - RFP HSR 11-16

Attachment 8 - Technical Contract Submittal List

This list is intended to provide the Contractor with a summary of the Technical Contract Submittal requirements of the Contract Documents. Contractor shall use this list as the basis to prepare its list of submittal requirements per the Contract Documents.

CONTRACT REFERENCE (CP1)				SUBMITTAL TITLE/PACKAGE	DUE DATE	SUBMITTAL TO AUTHORITY (APPROVAL, SONO, INFORMATION)
NO.	DESIGNATION	SECTION NO./ CHAPTER	ARTICLE			
174	Standard Specifications (Mandatory) High-Performance Coatings	09 96 00	1.6.B	Detailed Coating Schedule	As needed	INFORMATION
175	Standard Specifications (Mandatory) High-Performance Coatings	09 96 00	1.6.C	Samples for verification purposes	As needed	INFORMATION
176	Standard Specifications (Mandatory) High-Performance Coatings	09 96 00	1.6.D	Manufacturer's Project Acceptance Document	As needed	INFORMATION
177	Standard Specifications (Mandatory) High-Performance Coatings	09 96 00	1.6.E	Maintenance Instructions	As needed	INFORMATION
178	Standard Specifications (Mandatory) High-Performance Coatings	09 96 00	1.6.F	Applicator's qualifications	As needed	INFORMATION
179	Standard Specifications (Mandatory) High-Performance Coatings	09 96 00	1.6.G	Manufacturer's Technical Representative Qualifications	As needed	INFORMATION
180	Standard Specifications (Mandatory) High-Performance Coatings	09 96 00	1.6.H	Independent Coating inspector's qualifications	As needed	INFORMATION
181	Standard Specifications (Mandatory) High-Performance Coatings	09 96 00	1.6.I	Contractor's Field Quality Control	As needed	INFORMATION
182	Standard Specifications (Mandatory) High-Performance Coatings	09 96 00	1.6.J	Independent Coating Inspector's Reports	As needed	INFORMATION
183	Standard Specifications (Mandatory) High-Performance Coatings	09 96 00	1.6.K	Manufacturer Technical Representative Reports	As needed	INFORMATION
184	Standard Specifications (Mandatory) High-Performance Coatings	09 96 00	1.6.L	Reports	As needed	SONO
185	Standard Specifications (Mandatory) Common Work Results for Earthwork	31 05 00	1.6.A	Permits	As needed	INFORMATION
186	Standard Specifications (Mandatory) Common Work Results for Earthwork	31 05 00	1.6.B	Private Property Owner's Release	No more than 15 days prior to start of work	INFORMATION
187	Standard Specifications (Mandatory) Common Work Results for Earthwork	31 05 00	1.6.C	Delivery Tickets	As needed	-
188	Standard Specifications (Mandatory) Common Work Results for Earthwork	31 05 00	1.6.D	Field Verification for In-Situ Treatment	As needed	INFORMATION
189	Standard Specifications (Mandatory) Common Work Results for Earthwork	31 05 00	1.6.E	Test Reports	As needed	INFORMATION
190	Standard Specifications (Mandatory) Geotechnical Instrumentation and Monitoring	31 09 13	1.5.A	Shop Drawings	Minimum of 60 days prior to installation	SONO
191	Standard Specifications (Mandatory) Geotechnical Instrumentation and Monitoring	31 09 13	1.5.B	Documentation	Prior to installation and during monitoring as stated	SONO

12/17/2012 ADDENDUM 7 - RFP HSR 11-16

Attachment 8 - Technical Contract Submittal List

This list is intended to provide the Contractor with a summary of the Technical Contract Submittal requirements of the Contract Documents. Contractor shall use this list as the basis to prepare its list of submittal requirements per the Contract Documents.

CONTRACT REFERENCE (CP1)				SUBMITTAL TITLE/PACKAGE	DUE DATE	SUBMITTAL TO AUTHORITY (APPROVAL, SONO, INFORMATION)
NO.	DESIGNATION	SECTION NO./CHAPTER	ARTICLE			
192	Standard Specifications (Mandatory) Geotechnical Instrumentation and Monitoring	31 09 13	1.5.C	Certifications	Minimum of 60 days prior to installation	SONO
193	Standard Specifications (Mandatory) Geotechnical Instrumentation and Monitoring	31 09 13	1.5.D	Monitoring Documentation	Within 12 hours after monitoring any instrument	SONO
194	Standard Specifications (Mandatory) Geotechnical Instrumentation and Monitoring	31 09 13	1.5.E	Mix Designs	Prior to start of work	SONO
195	Standard Specifications (Mandatory) Geotechnical Instrumentation and Monitoring	31 09 13	1.5.F	Closure Report	Upon removal of instrumentation	SONO
196	Standard Specifications (Mandatory) Geotechnical Instrumentation and Monitoring	31 09 13	1.4 F. thru I, L and M.	Design information as required by referenced paragraphs including all proposed remedial measures.	Minimum of 60 days prior to installation	APPROVAL
197	Standard Specifications (Mandatory) Clearing and Grubbing	31 11 00	1.4.A	Utility Severance Certificates	As needed	INFORMATION
198	Standard Specifications (Mandatory) Dewatering	31 23 19	1.5A	Pre-construction surveys	As needed	INFORMATION
199	Standard Specifications (Mandatory) Dewatering	31 23 19	1.5B	Procedures for detection of movement and records of movement detection	As needed	SONO
200	Standard Specifications (Mandatory) Dewatering	31 23 19	1.5C	Shop Drawings and design data of dewatering system	Prior to installation of dewatering system	INFORMATION
201	Standard Specifications (Mandatory) Dewatering	31 23 19	1.5D	Copies of permits required for performing the work of this Section	As needed	SONO
202	Standard Specifications (Mandatory) Dewatering	31 23 19	1.5E	Records of monitoring and movement	One day after the reading	SONO
203	Standard Specifications (Mandatory) Dewatering	31 23 19	1.5F	Observation Records and Water Quality test results	During dewatering operation	INFORMATION
204	Standard Specifications (Mandatory) Reinforced Slopes and Earth Structures	31 38 13	1.5.A	Product Data		INFORMATION
205	Standard Specifications (Mandatory) Reinforced Slopes and Earth Structures	31 38 13	1.B.B	Design Submittal	Minimum of 60 days prior to start of earth structure system construction	APPROVAL
206	Standard Specifications (Mandatory) Reinforced Slopes and Earth Structures	31 38 13	1.5.C	Shop drawings and calculations	As needed	INFORMATION
207	Standard Specifications (Mandatory) Reinforced Slopes and Earth Structures	31 38 13	1.5.D	Record of drawings	As needed	INFORMATION
208	Standard Specifications (Mandatory) Reinforced Slopes and Earth Structures	31 38 13	1.5.E	Certificates of Compliance	As needed	INFORMATION
209	Standard Specifications (Mandatory) Reinforced Slopes and Earth Structures	31 38 13	1.5.F	Field Construction Manual	As needed	INFORMATION

12/17/2012 ADDENDUM 7 - RFP HSR 11-16

Attachment 8 - Technical Contract Submittal List

This list is intended to provide the Contractor with a summary of the Technical Contract Submittal requirements of the Contract Documents. Contractor shall use this list as the basis to prepare its list of submittal requirements per the Contract Documents.

CONTRACT REFERENCE (CP1)				SUBMITTAL TITLE/PACKAGE	DUE DATE	SUBMITTAL TO AUTHORITY (APPROVAL, SONO, INFORMATION)
NO.	DESIGNATION	SECTION NO./CHAPTER	ARTICLE			
210	Standard Specifications (Mandatory) Reinforced Slopes and Earth Structures	31 38 13	1.5.G	Qualifications of Independent Testing Agency	As needed	INFORMATION
211	Standard Specifications (Mandatory) Ground Anchors	31 39 13	1.5.A	Calculations for design of the tendons, unbonded lengths, bonded lengths, bearing plates, bearing stiffeners, and wedge plates	As needed	INFORMATION
212	Standard Specifications (Mandatory) Ground Anchors	31 39 13	1.5.B	Shop Drawings	As needed	INFORMATION
213	Standard Specifications (Mandatory) Ground Anchors	31 39 13	1.5.C	Manufacturer's Instructions	As needed	INFORMATION
214	Standard Specifications (Mandatory) Ground Anchors	31 39 13	1.5.D	Grout mix design	As needed	INFORMATION
215	Standard Specifications (Mandatory) Ground Anchors	31 39 13	1.5.E	Mill test reports for prestressing steel and bearing plate steel	As needed	INFORMATION
216	Standard Specifications (Mandatory) Ground Anchors	31 39 13	1.5.F	Calibration data for each test jack, load cell, primary pressure gage, and reference pressure gage to be used	As needed	INFORMATION
217	Standard Specifications (Mandatory) Ground Anchors	31 39 13	1.5.G	Grouting records	As needed	INFORMATION
218	Standard Specifications (Mandatory) Ground Anchors	31 39 13	1.5.H	Test data and results for all testing required	As needed	SONO
219	Standard Specifications (Mandatory) Ground Anchors	31 39 13	1.5.I	Driller's qualifications	As needed	SONO
220	Standard Specifications (Mandatory) Ground Anchors	31 39 13	1.5.J	Anchor Tieback Design Engineer's qualifications	As needed	SONO
221	Standard Specifications (Mandatory) Ground Anchors	31 39 13	1.5.K	Details of destressing and removal of temporary anchors	As needed	SONO
222	Standard Specifications (Mandatory) Temporary Excavation Support and Protection	31 50 13	1.5.A	A written procedure, along with detailed drawings, of the proposed excavations and excavation support systems	As needed	SONO
223	Standard Specifications (Mandatory) Temporary Excavation Support and Protection	31 50 13	1.5.B	Detailed drawings for support systems	As needed	SONO
224	Standard Specifications (Mandatory) Temporary Excavation Support and Protection	31 50 13	1.5.C	Design calculations	As needed	SONO
225	Standard Specifications (Mandatory) Temporary Excavation Support and Protection	31 50 13	1.5.D	Professional Engineer's Certification	As needed	SONO
226	Standard Specifications (Mandatory) Temporary Excavation Support and Protection	31 50 13	1.5.E	Check calculations and related documents prepared, signed, and sealed by an independent civil or structural engineer currently registered in the State of California	As needed	SONO

12/17/2012 ADDENDUM 7 - RFP HSR 11-16

Attachment 8 - Technical Contract Submittal List

This list is intended to provide the Contractor with a summary of the Technical Contract Submittal requirements of the Contract Documents. Contractor shall use this list as the basis to prepare its list of submittal requirements per the Contract Documents.

CONTRACT REFERENCE (CP1)				SUBMITTAL TITLE/PACKAGE	DUE DATE	SUBMITTAL TO AUTHORITY (APPROVAL, SONO, INFORMATION)
NO.	DESIGNATION	SECTION NO./CHAPTER	ARTICLE			
227	Standard Specifications (Mandatory) Temporary Excavation Support and Protection	31 50 13	1.5.F	Copies of permissions from adjacent property owners for extending excavations and support systems beyond Authority property	As needed	SONO
228	Standard Specifications (Mandatory) Temporary Excavation Support and Protection	31 50 13	1.5.G	Proposed engineer's resume showing required experience	As needed	SONO
229	Standard Specifications (Mandatory) Driven Piles	31 62 00	1.5.A	Shop Drawings	As needed	INFORMATION
230	Standard Specifications (Mandatory) Driven Piles	31 62 00	1.5.B	Pile Driving Sequential Layout	As needed	INFORMATION
231	Standard Specifications (Mandatory) Driven Piles	31 62 00	1.5.C	Pile tip elevation	Prior to ordering production piles	SONO
232	Standard Specifications (Mandatory) Driven Piles	31 62 00	1.5.D	Pile driving record	Upon completion of driving piles	INFORMATION
233	Standard Specifications (Mandatory) Driven Piles	31 62 00	1.5.E	Pile Driving Analyzer (PDA) and Case Pile Wave Analysis Program (CAPWAP) Records	Within 5 days after completion of PDA testing	INFORMATION
234	Standard Specifications (Mandatory) Driven Piles	31 62 00	1.5.F	Test report for each test pile	Immediately following completion of load testing	INFORMATION
235	Standard Specifications (Mandatory) Driven Piles	31 62 00	1.5.G	Equipment Review and Drawings	14 days prior to pile driving	INFORMATION
236	Standard Specifications (Mandatory) Driven Piles	31 62 00	1.5.H	Specialty Consultant Qualifications	As needed	SONO
237	Standard Specifications (Mandatory) Driven Piles	31 62 00	1.6.D	Replacing damaged piles or driven out of position	As needed	SONO
238	Standard Specifications (Mandatory) Drilled Concrete Piers and Shafts	31 63 29	1.6.A	Qualifications of the Drilled Shaft Entity	As needed	SONO
239	Standard Specifications (Mandatory) Drilled Concrete Piers and Shafts	31 63 29	1.6.B	Drilled Shaft Sequential Layout Drawings	As needed	INFORMATION
240	Standard Specifications (Mandatory) Drilled Concrete Piers and Shafts	31 63 29	1.6.C	Concrete reinforcement submittals	As needed	INFORMATION
241	Standard Specifications (Mandatory) Drilled Concrete Piers and Shafts	31 63 29	1.6.D	Qualifications of Welders and Welding Procedures	As needed	INFORMATION
242	Standard Specifications (Mandatory) Drilled Concrete Piers and Shafts	31 63 29	1.6.E	Portland Cement Concrete submittals	As needed	INFORMATION
243	Standard Specifications (Mandatory) Drilled Concrete Piers and Shafts	31 63 29	1.6.F	Drilling equipment descriptions	As needed	INFORMATION
244	Standard Specifications (Mandatory) Drilled Concrete Piers and Shafts	31 63 29	1.6.G	Temporary Casing	As needed	INFORMATION
245	Standard Specifications (Mandatory) Drilled Concrete Piers and Shafts	31 63 29	1.6.H	Slurry submittals - description of procedures for mixing, using, maintaining, and disposing of slurry, proposed slurry mix design and a detailed plan for quality control	As needed	INFORMATION

12/17/2012 ADDENDUM 7 - RFP HSR 11-16

Attachment 8 - Technical Contract Submittal List

This list is intended to provide the Contractor with a summary of the Technical Contract Submittal requirements of the Contract Documents. Contractor shall use this list as the basis to prepare its list of submittal requirements per the Contract Documents.

CONTRACT REFERENCE (CP1)				SUBMITTAL TITLE/PACKAGE	DUE DATE	SUBMITTAL TO AUTHORITY (APPROVAL, SONO, INFORMATION)
NO.	DESIGNATION	SECTION NO./ CHAPTER	ARTICLE			
246	Standard Specifications (Mandatory) Drilled Concrete Piers and Shafts	31 63 29	1.6.I	Shop Drawings	As needed	INFORMATION
247	Standard Specifications (Mandatory) Drilled Concrete Piers and Shafts	31 63 29	1.6.J	Product Data	As needed	INFORMATION
248	Standard Specifications (Mandatory) Drilled Concrete Piers and Shafts	31 63 29	1.6.K	Mitigation plans for each rejected drilled shaft	As needed	INFORMATION
249	Standard Specifications (Mandatory) Drilled Concrete Piers and Shafts	31 63 29	1.6.L	daily reports and shaft record reports or logs as required by ADSC Standards and Specifications	As needed	INFORMATION
250	Standard Specifications (Mandatory) Drilled Concrete Piers and Shafts	31 63 29	1.6.M	Testing Procedures	As needed	INFORMATION
251	Standard Specifications (Mandatory) Chain Link Fences and Gates	32 31 13	1.3.A	Product Data	As needed	INFORMATION
252	Standard Specifications (Mandatory) Chain Link Fences and Gates	32 31 13	1.3.B	Shop drawings	As needed	INFORMATION
253	Standard Specifications (Mandatory) Chain Link Fences and Gates	32 31 13	1.3.C	Design submittals	As needed	INFORMATION
254	Standard Specifications (Mandatory) Chain Link Fences and Gates	33 31 13	1.3.D	Samples	As needed	INFORMATION
255	Standard Specifications (Mandatory) Chain Link Fences and Gates	32 31 13	1.3.E	Manufacturer's color chart of available colors and physical sample of selected color	As needed	INFORMATION
256	Standard Specifications (Mandatory) Planting	32 90 00	1.5.A	Soil Analysis Report	As needed	INFORMATION
257	Standard Specifications (Mandatory) Planting	32 90 00	1.5.B	Product Data	As needed	INFORMATION
258	Standard Specifications (Mandatory) Planting	32 90 00	1.5.C	Product Data for Toxicity	As needed	INFORMATION
259	Standard Specifications (Mandatory) Planting	32 90 00	1.5.D	Samples	As needed	INFORMATION
260	Standard Specifications (Mandatory) Planting	32 90 00	1.5.E	List of Plant Materials	As needed	INFORMATION
261	Standard Specifications (Mandatory) Planting	32 90 00	1.5.F	Inspection Certification	With each delivery	INFORMATION
262	Standard Specifications (Mandatory) Planting	32 90 00	1.5.G	Plant Substitution	NTP + 30 days	SONO
263	Standard Specifications (Mandatory) Utility Structures	33 05 16	1.5.A	Shop drawings	As needed	INFORMATION
264	Standard Specifications (Mandatory) Utility Structures	33 05 16	1.5.B	Product Data	As needed	INFORMATION
265	Standard Specifications (Mandatory) Utility Structures	33 05 16	1.5.C	Certification	As needed	INFORMATION

12/17/2012 ADDENDUM 7 - RFP HSR 11-16

Attachment 8 - Technical Contract Submittal List

This list is intended to provide the Contractor with a summary of the Technical Contract Submittal requirements of the Contract Documents. Contractor shall use this list as the basis to prepare its list of submittal requirements per the Contract Documents.

CONTRACT REFERENCE (CP1)				SUBMITTAL TITLE/PACKAGE	DUE DATE	SUBMITTAL TO AUTHORITY (APPROVAL, SONO, INFORMATION)
NO.	DESIGNATION	SECTION NO./ CHAPTER	ARTICLE			
266	Standard Specifications (Mandatory) Utility Structures	33 05 16	1.5.D	Third Party Utility Structures	As needed	INFORMATION
267	Standard Specifications (Mandatory) Support and Protection of Utilities	33 05 25	1.2.A	A copy of updated, verified list of names of the utility companies and their respective addresses and telephone numbers for information	NTP + 90 days, and updates as needed	INFORMATION
268	Standard Specifications (Mandatory) Support and Protection of Utilities	33 05 25	1.2.B	Schedule of estimated shut-down times to jurisdictional authorities and obtain permission for shut-downs	90 days prior to scheduled shut down	INFORMATION
269	Standard Specifications (Mandatory) Support and Protection of Utilities	33 05 25	1.2.C	Schedule of approved shut-down times	Upon approval by the utility companies	INFORMATION
270	Standard Specifications (Mandatory) Trenching and Backfilling for Utilities	33 05 28	2.2.B.3	Legends	As needed	SONO

12/17/2012 ADDENDUM 7 - RFP HSR 11-16