CMGC
NOMINATION FACT SHEET
06-Fre-99- PM 23.5 – 26.6
Project EA: 06-2HT10_

Project Description

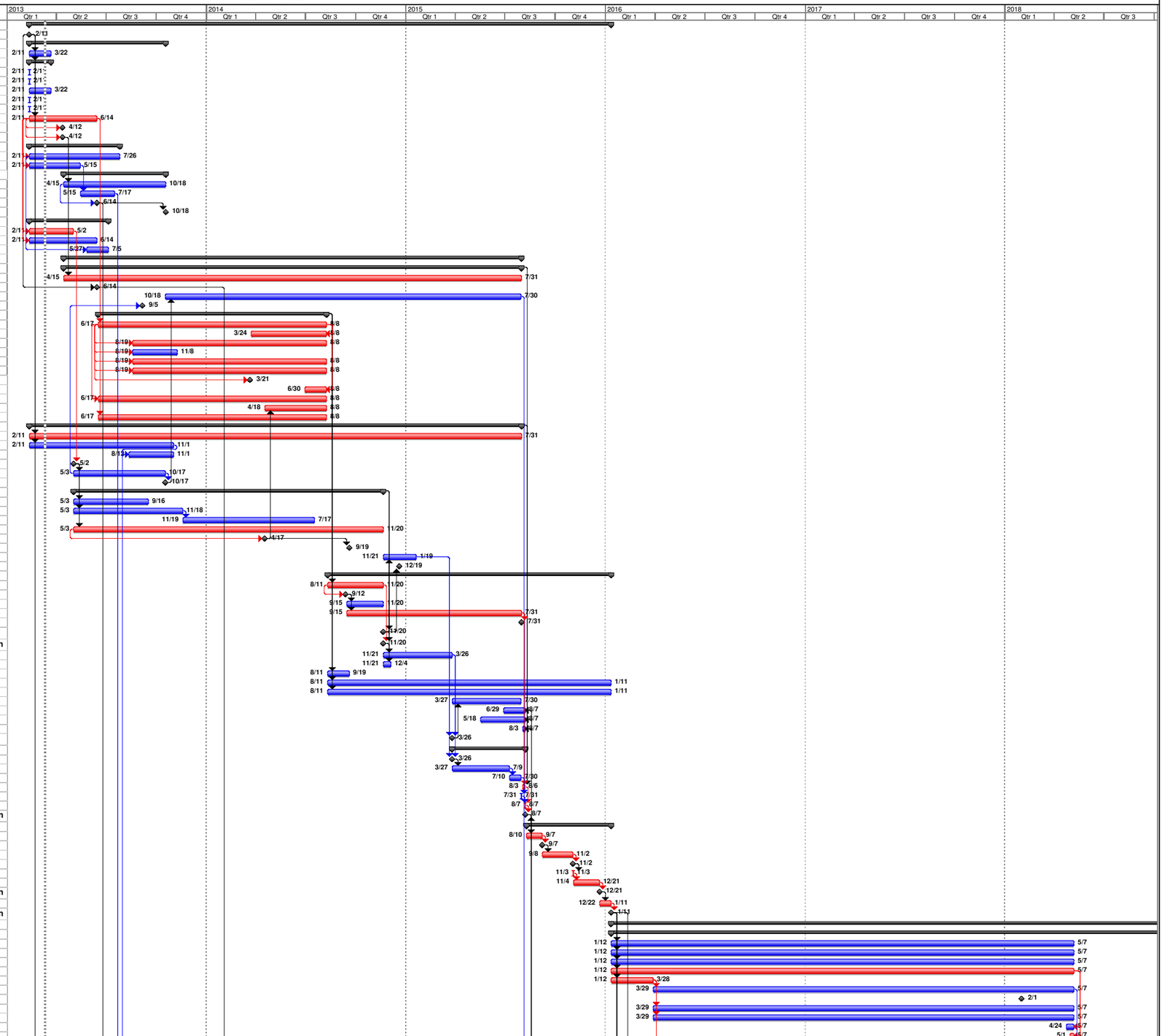
The project proposes to realign Route 99 from Ashlan to Clinton Avenue to accommodate the High Speed Train (HST) project between the Union Pacific Railroad (UPRR) and State Route (SR) 99. The scope includes reconstruction of the Clinton Ave interchange, Fresno Yard Overhead structure, Ashlan Ave Overhead structure, closure of three partial interchanges, and realignment of local/frontage Roads. The project also includes building the infrastructure for the HST project within these limits.

Project Proposal

The Department has been contracted by the California High Speed Rail Authority (CHSRA) to design, acquire Right of Way and construct this 2.5 mile realignment segment of SR 99 via interagency agreement approved on February 19, 2013. The CHSRA is the lead agency for the HST project and has completed the Environmental phase of the project. The Project Report for this scope of work was approved on April 23, 2013. The project is in the preliminary design phase and the design team is in the process of establishing the Right of Way requirements for the project.

SR 99 REALIGNMENT
CLINTON to ASHLAN

ID	Activity	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1	**100.15**	**PROJECT MANAGEMENT - PS&E COMPONENT**	**761 days**	**Mon 2/11/13**	**Mon 1/11/16**		
2	M210	BEGIN DESIGN	0 days	Mon 2/11/13	Mon 2/11/13		
3	**185**	**PREPARE BASE MAPS AND PLAN SHEETS**	**180 days**	**Mon 2/11/13**	**Fri 10/18/13**		
4	185.05	Updated Project Information	30 days	Mon 2/11/13	Fri 3/22/13	2	
5	**185.10**	**Engineering and Photogrammetric Surveys**	**30 days**	**Mon 2/11/13**	**Fri 3/22/13**	**2**	
6	185.10.50	Control Surveys	1 day	Mon 2/11/13	Mon 2/11/13		Surveys
7	185.10.55	Photogrammetric Maps and Products	1 day	Mon 2/11/13	Mon 2/11/13		Surveys
8	185.10.60	Engineering Surveys	30 days	Mon 2/11/13	Fri 3/22/13		Surveys
9	185.10.65	As-Built Centerline Surveys	1 day	Mon 2/11/13	Mon 2/11/13		Surveys
10	185.10.70	Pavement Surveys	1 day	Mon 2/11/13	Mon 2/11/13		Surveys
11	185.15	Preliminary Design	90 days	Mon 2/11/13	Fri 6/14/13	2	
12	**M311**	**30% Constructability Review Completed**	0 days	Fri 4/12/13	Fri 4/12/13	11SS+45 days	
13	**M220**	**GEOMETRIC BASE MAP**	**0 days**	**Fri 4/12/13**	**Fri 4/12/13**	**11SS+45 days**	
14	**185.20**	**Engineering Reports**	**120 days**	**Mon 2/11/13**	**Fri 7/26/13**		
15	185.20.30	Soundwall Design Report	120 days	Mon 2/11/13	Fri 7/26/13	11SS	Env
16	185.20.40	Utility Locations Determined for Design	67.5 days	Mon 2/11/13	Wed 5/15/13	11SS	Surveys,R/W
17	**185.25**	**Right of Way Requirements Determination**	**135 days**	**Mon 4/15/13**	**Fri 10/18/13**		
18	185.25.15	Right of Way Requirements Maps	135 days	Mon 4/15/13	Fri 10/18/13	13	Surveys,R/W
19	185.25.30	Utility Conflict Maps	45 days	Wed 5/15/13	Wed 7/17/13	16	Surveys,R/W
20	**M224**	**R/W Requirements**	0 days	Fri 6/14/13	Fri 6/14/13	18SS+45 days	R/W,Surveys
21	**M226**	**FINAL RIGHT OF WAY REQUIREMENTS**	**0 days**	**Fri 10/18/13**	**Fri 10/18/13**	**20FS+90 days**	**R/W,Surveys**
22	**185.30**	**Structure Site Plans**	**105 days**	**Mon 2/11/13**	**Fri 7/5/13**		
23	185.30.10	Site Plans for Bridges and Structures	59 days	Mon 2/11/13	Thu 5/2/13	11SS	
24	185.30.15	Site Plans for Retaining Walls and Non-standard Earth Retention Syst	90 days	Mon 2/11/13	Fri 6/14/13	11SS	
25	185.30.20	Site Plans for Soundwalls on Retaining Systems or Structures	30 days	Mon 5/27/13	Fri 7/5/13	15SS+75 days	
26	**205**	**Permits and Agreements during PS&E Component**	**600 days**	**Mon 4/15/13**	**Fri 7/31/15**		
27	**205.10**	**Permits**	**600 days**	**Mon 4/15/13**	**Fri 7/31/15**		
28	205.10.30	Local Agency Concurrence/Permit	600 days	Mon 4/15/13	Fri 7/31/15	13	
29	205.10.30.1	Freeway Agreement	0 days	Fri 6/14/13	Fri 6/14/13	2SS+90 days	
30	205.15	Railroad Agreement	465 days	Fri 10/18/13	Thu 7/30/15	50	R/W
31	1.3.3	General Plans Ready for RR	0 days	Thu 9/5/13	Thu 9/5/13	49SS+90 days	R/W
32	**230**	**PREPARE DRAFT PS&E**	**300 days**	**Mon 6/17/13**	**Fri 8/8/14**		
33	230.05	Draft Roadway Plans	300 days	Mon 6/17/13	Fri 8/8/14	11	
34	230.10	Draft Highway Planting Plans	100 days	Mon 3/24/14	Fri 8/8/14	33FF	
35	230.15	Draft Traffic Plans	255 days	Mon 8/19/13	Fri 8/8/14	33SS+45 days	
36	230.20	Transportation Management Plan	60 days	Mon 8/19/13	Fri 11/8/13	33SS+45 days	
37	230.25	Draft Utility Plans	255 days	Mon 8/19/13	Fri 8/8/14	33SS+45 days	
38	230.30	Draft Drainage Plans	255 days	Mon 8/19/13	Fri 8/8/14	33SS+45 days	
39	**M313**	**60% Constructability Review Completed**	0 days	Fri 3/21/14	Fri 3/21/14	33SS+200 days	
40	230.35	Draft Specifications	30 days	Mon 6/30/14	Fri 8/8/14	33FF	
41	230.40	Draft PS&E Quantities and Estimates	300 days	Mon 6/17/13	Fri 8/8/14	33SS	
42	230.55	Structures Draft PS&E Incorporation	81 days	Fri 4/18/14	Fri 8/8/14	56	
43	230.60	Updated Project Information for PS&E Package	300 days	Mon 6/17/13	Fri 8/8/14	11	
44	**235**	**Environmental Mitigation and Haz Waste**	**645 days**	**Mon 2/11/13**	**Fri 7/31/15**		
45	235.05	Environmental Mitigation	645 days	Mon 2/11/13	Fri 7/31/15	2	Env
46	235.10	Detailed Site Investigation for Hazardous Waste	190 days	Mon 2/11/13	Fri 11/1/13	2	Env
47	235.30	Hazardous Substances Disclosure Document (HSDD)	60 days	Mon 8/12/13	Fri 11/1/13	46FS-60 days	Env
48	**M221**	**Bridge Site Data Received**	**0 days**	**Thu 5/2/13**	**Thu 5/2/13**	**23**	
49	215	STRUCTURES GP's AND PRELIMINARY DESIGN DATA	120 days	Fri 5/3/13	Thu 10/17/13	48	
50	**M275**	**GENERAL PLANS**	**0 days**	**Thu 10/17/13**	**Thu 10/17/13**	**49**	**R/W**
51	**240**	**DRAFT STRUCTURES PS&E**	**405 days**	**Fri 5/3/13**	**Thu 11/20/14**		
52	240.55	Foundation Plan	97 days	Fri 5/3/13	Mon 9/16/13	48	
53	240.65	Preliminary Foundation Report	142 days	Fri 5/3/13	Mon 11/18/13	48	
54	240.80	Foundation Report	173 days	Tue 11/19/13	Thu 7/17/14	53	
55	240.85	Draft Structures Plans	405 days	Fri 5/3/13	Thu 11/20/14	48	
56	1.9.5	Unchecked Details	0 days	Thu 4/17/14	Thu 4/17/14	55SS+250 days	
57	1.9.6	P&Q (Checked Details)	0 days	Fri 9/19/14	Fri 9/19/14	56FS+111 days	
58	250	PREPARE FINAL STRUCTURES PS&E PACKAGE	42 days	Fri 11/21/14	Mon 1/19/15	66	
59	1.11	Strucutres Expedite Notice	0 days	Fri 12/19/14	Fri 12/19/14	66FS+21 days	
60	**255**	**Cir. REVIEW AND PREPARE FINAL DISTRICT PS&E PACKAGE**	**371 days**	**Mon 8/11/14**	**Mon 1/11/16**		
61	255.05	Circulated & Reviewed Draft District PS&E Package	74 days	Mon 8/11/14	Thu 11/20/14	32	
62	**M315**	**95% Constructability Review Completed**	0 days	Fri 9/12/14	Fri 9/12/14	61SS+25 days	
63	255.10	Updated PS&E Package	49 days	Mon 9/15/14	Thu 11/20/14	62	
64	255.15	Environmental Reevaluation	230 days	Mon 9/15/14	Fri 7/31/15	62	Env
65	**M360**	**Environmental Reevaluation**	0 days	Fri 7/31/15	Fri 7/31/15	64	Env
66	**M378**	**DRAFT STRUCTURES PS&E**	**0 days**	**Thu 11/20/14**	**Thu 11/20/14**	**51**	
67	**M377**	**PS&E TO DOE**	**0 days**	**Thu 11/20/14**	**Thu 11/20/14**	**66,61**	**R/W,Surveys,En**
68	255.20	Final District PS&E Package	90 days	Fri 11/21/14	Thu 3/26/15	67	
69	255.25	Geotechnical Information Handout	10 days	Fri 11/21/14	Thu 12/4/14	51	
70	255.30	Materials Information Handout	30 days	Mon 8/11/14	Fri 9/19/14	32	
71	255.35	Construction Staking Package and Control	371 days	Mon 8/11/14	Mon 1/11/16	32	Surveys
72	255.40	Resident Engineer's Pending File	371 days	Mon 8/11/14	Mon 1/11/16	32	
73	255.55	Contractor Outreach	90 days	Fri 3/27/15	Thu 7/30/15	77	
74	255.65	Right of Way Certification Document	30 days	Mon 6/29/15	Fri 8/7/15	166FF	R/W
75	255.70	Right of Way Engineering Products	60 days	Mon 5/18/15	Fri 8/7/15	166FF	
76	255.75	Upgraded/Updated Right of Way Certification Document	5 days	Mon 8/3/15	Fri 8/7/15	166FF	R/W
77	**M380**	**PS&E TO HQ**	**0 days**	**Thu 3/26/15**	**Thu 3/26/15**	**58,68**	
78	**260**	**CONTRACT BID DOCUMENTS READY TO LIST**	**96 days**	**Thu 3/26/15**	**Fri 8/7/15**		
79	260.50	Project Submittal Ready to Process (PS&E)	0 days	Thu 3/26/15	Thu 3/26/15	58,68	
80	260.60	Draft Contract Comments (DCC)	75 days	Fri 3/27/15	Thu 7/9/15	79	
81	260.70	Draft Contract Comment Response (DR)	15 days	Fri 7/10/15	Thu 7/30/15	80	
82	260.75	Environmental Certification at RTL	4 days	Mon 8/3/15	Thu 8/6/15	64,27,44	Env
83	260.80	Draft Contract Ready	1 day	Fri 7/31/15	Fri 7/31/15	81	
84	260.90	Ready to List (RTL)	1 day	Fri 8/7/15	Fri 8/7/15	82,83	
85	**M460**	**READY TO LIST**	**0 days**	**Fri 8/7/15**	**Fri 8/7/15**	**84,173**	**R/W,Surveys,En**
86	**265**	**AWARDED AND APPROVED CONSTRUCTION CONTRACT**	**111 days**	**Mon 8/10/15**	**Mon 1/11/16**		
87	265.50	Contract Ready for Advertising	21 days	Mon 8/10/15	Mon 9/7/15	85	
88	**M480**	**HQ ADVERTISE**	**0 days**	**Mon 9/7/15**	**Mon 9/7/15**	**87**	
89	265.55	Advertised Contract	40 days	Tue 9/8/15	Mon 11/2/15	88	
90	**M490**	**BIDS OPEN**	**0 days**	**Mon 11/2/15**	**Mon 11/2/15**	**89**	
91	265.60	Bids Opened	1 day	Tue 11/3/15	Tue 11/3/15	90	
92	265.65	Contract Award	34 days	Wed 11/4/15	Mon 12/21/15	91	
93	**M495**	**AWARD**	**0 days**	**Mon 12/21/15**	**Mon 12/21/15**	**92**	**R/W,Surveys,En**
94	265.70	Executed and Approved Contract	15 days	Tue 12/22/15	Mon 1/11/16	93	
95	**M500**	**APPROVE CONSTRUCTION CONTRACT**	**0 days**	**Mon 1/11/16**	**Mon 1/11/16**	**94**	**R/W,Surveys,En**
96	**100.20**	**PROJECT MANAGEMENT - CONSTRUCTION COMPONENT**	**905 days**	**Tue 1/12/16**	**Mon 7/1/19**		
97	**270**	**CONSTRUCTION Engr AND CONTRACT ADMINISTRATION**	**855 days**	**Tue 1/12/16**	**Mon 4/22/19**		
98	270.10	Construction Staking Package and Control	605 days	Tue 1/12/16	Mon 5/7/18	95	Surveys
99	270.15	Construction Stakes	605 days	Tue 1/12/16	Mon 5/7/18	95	Surveys
100	270.20	Construction Engineering Work	605 days	Tue 1/12/16	Mon 5/7/18	95	
101	270.25	Construction Contract Administration Work	605 days	Tue 1/12/16	Mon 5/7/18	95	
102	2.1.5	55 day Delay Start to 1st working day	55 days	Tue 1/12/16	Mon 3/28/16	95	
103	270.30	Contract Item Work Inspection	550 days	Tue 3/29/16	Mon 5/7/18	102	
104	**2.1.7**	**HST Alignment Cleared**	**0 days**	**Thu 2/1/18**	**Thu 2/1/18**		**R/W**
105	270.35	Construction Material Sampling and Testing	550 days	Tue 3/29/16	Mon 5/7/18	102	
106	270.40	Safety and Maintenance Reviews	550 days	Tue 3/29/16	Mon 5/7/18	102	
107	270.45	Relief from Maintenance Process	10 days	Tue 4/24/18	Mon 5/7/18	101FF	
108	270.55	Final Inspection and Acceptance Recommendation	5 days	Tue 5/1/18	Mon 5/7/18	101FF	

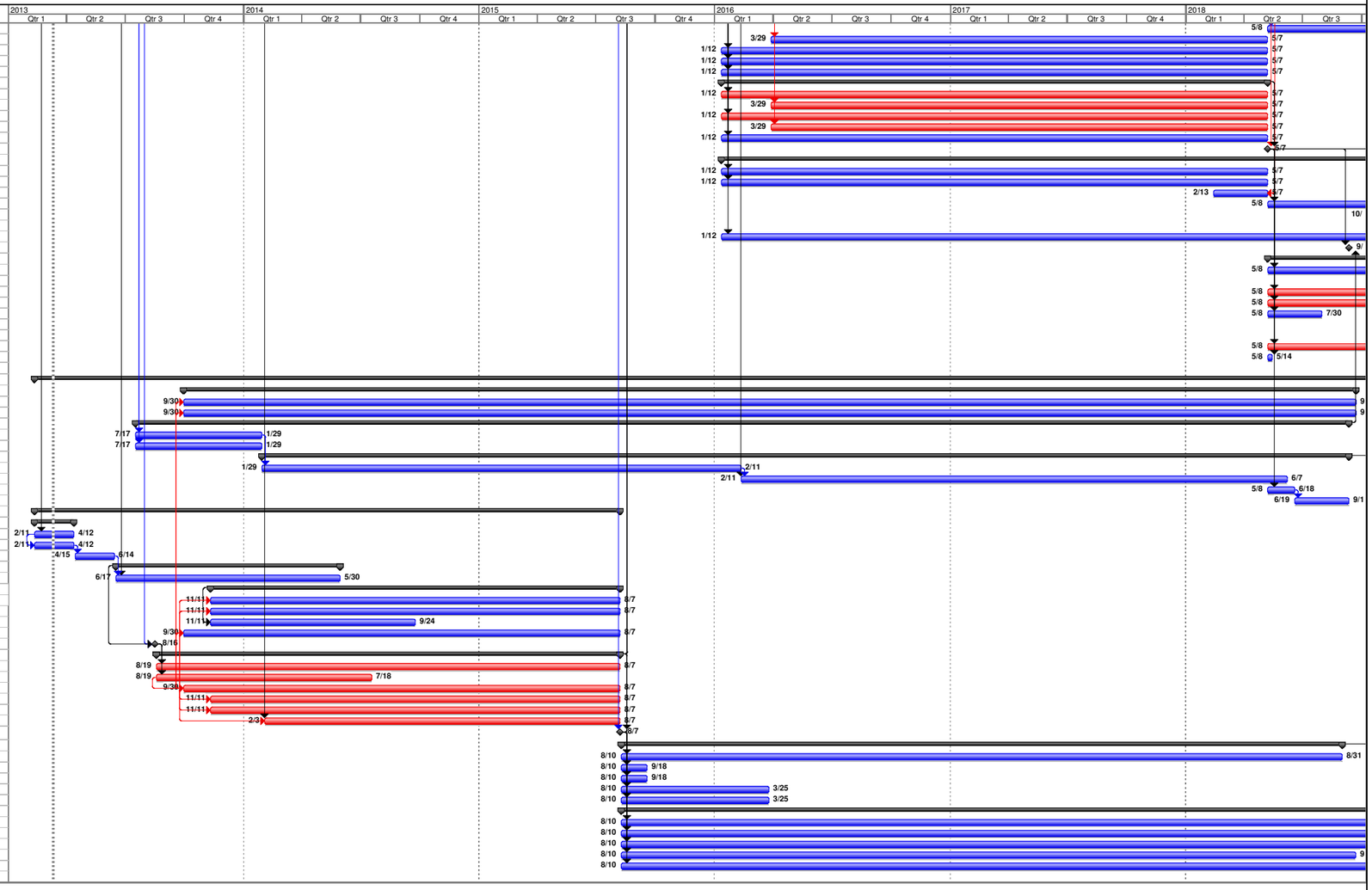


Project: SR 99 Realignment - Clinton t
Date: Mon 3/11/13

Task | Progress | Summary | Rolled Up Critical Task | Rolled Up Progress | External Tasks | Group By Summary
Critical Task | Milestone | Rolled Up Task | Rolled Up Milestone | Split | Project Summary | Deadline

SR 99 REALIGNMENT
CLINTON to ASHLAN

ID	Activity	Task Name	Duration	Start	Finish	Predecessors	Resource Names
109	270.60	Plant Establishment Administration	250 days	Tue 5/8/18	Mon 4/22/19	103	
110	270.65	TMP Implementation During Construction	550 days	Tue 3/29/16	Mon 5/7/18	102	
111	270.70	Updated Environmental Commitments Record	605 days	Tue 1/12/16	Mon 5/7/18	95	
112	270.75	Resource Agency Permit Renewal and Extension Requests	605 days	Tue 1/12/16	Mon 5/7/18	95	
113	270.80	Long-Term Environmental Mitigation/Mitigation Monitoring during Construct	605 days	Tue 1/12/16	Mon 5/7/18	95	Env
114	**275**	**Construction Engineering and General Contract Administration of Structu**	**605 days**	**Tue 1/12/16**	**Mon 5/7/18**		
115	275.10	Office Administration Work for Structures	605 days	Tue 1/12/16	Mon 5/7/18	95	
116	275.20	Field Administration Work for Structures	550 days	Tue 3/29/16	Mon 5/7/18	102	
117	275.30	Contract Change Order Inspection for Structures Work	605 days	Tue 1/12/16	Mon 5/7/18	95	
118	275.40	Safety Tasks for Structures Work	550 days	Tue 3/29/16	Mon 5/7/18	102	
119	285	CONTRACT CHANGE ORDER ADMINISTRATION	605 days	Tue 1/12/16	Mon 5/7/18	95	Const,Surveys
120	**M600**	**CONSTRUCTION CONTRACT ACCEPTANCE**	**0 days**	**Mon 5/7/18**	**Mon 5/7/18**	**108,114**	**Env,R/W,Surveys**
121	**290**	**RESOLVE CONTRACT CLAIMS**	**815 days**	**Tue 1/12/16**	**Mon 2/25/19**		
122	290.05	Analysis of Notices of Potential Claims	605 days	Tue 1/12/16	Mon 5/7/18	95	
123	290.10	Supporting Documentation and Responses to Notices of Potential Claims	605 days	Tue 1/12/16	Mon 5/7/18	95	
124	290.15	Reviewed and Approved Claim Report	60 days	Tue 2/13/18	Mon 5/7/18	101FF	
125	290.20	District Claim Meeting or Board of Review	120 days	Tue 5/8/18	Mon 10/22/18	120	
126	290.25	Arbitration Hearing	60 days	Tue 10/23/18	Mon 1/14/19	125	
127	290.30	Negotiated Claim Settlement	30 days	Tue 1/15/19	Mon 2/25/19	126	
128	290.35	Technical Support	815 days	Tue 1/12/16	Mon 2/25/19	95	
129	**M650**	**PROJECT CLOSEOUT INITIATED**	**0 days**	**Mon 9/10/18**	**Mon 9/10/18**	**120,145**	
130	**295**	**ACCEPT CONTRACT, FINAL CONSTRUCTION Est.**	**300 days**	**Tue 5/8/18**	**Mon 7/1/19**		
131	295.05	Processed Estimate After Acceptance	150 days	Tue 5/8/18	Mon 12/3/18	120	
132	295.10	Proposed Final Contract Estimate	60 days	Tue 12/4/18	Mon 2/25/19	131	
133	295.15	As-Built Plans	300 days	Tue 5/8/18	Mon 7/1/19	120	
134	295.20	Project History File	300 days	Tue 5/8/18	Mon 7/1/19	120	
135	295.25	Final Report	60 days	Tue 5/8/18	Mon 7/30/18	120	
136	295.30	Processed Final Estimate	45 days	Tue 2/26/19	Mon 4/29/19	127	
137	295.35	Certificate of Environmental Compliance	5 days	Tue 4/23/19	Mon 4/29/19	109,120	
138	295.40	Long Term Environmental Mitigation/Mitigation Monitoring After CCA	300 days	Tue 5/8/18	Mon 7/1/19	120	
139	295.45	Post-Construction Traffic Operations Activities	5 days	Tue 5/8/18	Mon 5/14/18	120	
140	**M700**	**FINAL REPORT**	**0 days**	**Mon 7/1/19**	**Mon 7/1/19**	**121,130**	
141	**100.25**	**PROJECT MANAGEMENT - ROW COMPONENT**	**1630 days**	**Mon 2/11/13**	**Fri 5/10/19**		
142	**195**	**Right of Way Property Management and Excess Land**	**1300 days**	**Mon 9/30/13**	**Fri 9/21/18**		
143	195.40	Property Management	1300 days	Mon 9/30/13	Fri 9/21/18	169SS	R/W
144	195.45	Excess Land	1300 days	Mon 9/30/13	Fri 9/21/18	169SS	R/W
145	**200**	**UTILITY RELOCATION**	**1343.5 days**	**Wed 7/17/13**	**Mon 9/10/18**		
146	200.15	Approved Utility Relocation Plan	140 days	Wed 7/17/13	Wed 1/29/14	19	R/W
147	200.20	Utility Relocation Plan	140 days	Wed 7/17/13	Wed 1/29/14	19	R/W
148	**200.25**	**Utility Relocation Management**	**1203.5 days**	**Wed 1/29/14**	**Mon 9/10/18**		
149	3.2.3.1	Relocations required prior to Construction	531 days	Wed 1/29/14	Thu 2/11/16	146	R/W
150	3.2.3.2	Relocations during Construction	605 days	Thu 2/11/16	Thu 6/7/18	149,95	R/W
151	3.2.3.3	Relocations after Construction	30 days	Tue 5/8/18	Mon 6/18/18	120	R/W
152	200.30	Utility Close Out	60 days	Tue 6/19/18	Mon 9/10/18	151	R/W
153	**220**	**PERFORM RIGHT OF WAY ENGINEERING**	**650 days**	**Mon 2/11/13**	**Fri 8/7/15**		
154	**220.05**	**Existing Land Net**	**45 days**	**Mon 2/11/13**	**Fri 4/12/13**		
155	220.05.05	Existing Records	45 days	Mon 2/11/13	Fri 4/12/13	2	Surveys
156	220.05.10	Land Net Survey	45 days	Mon 2/11/13	Fri 4/12/13	155SS	Surveys
157	220.10	Land Net Map	45 days	Mon 4/15/13	Fri 6/14/13	156	Surveys
158	**220.15**	**Right of Way Maps**	**250 days**	**Mon 6/17/13**	**Fri 5/30/14**		
159	220.15.05	Appraisal Maps	250 days	Mon 6/17/13	Fri 5/30/14	20,157	Surveys,R/W
160	**220.20**	**Acquisition Documents**	**455 days**	**Mon 11/11/13**	**Fri 8/7/15**		
161	220.20.05	Deeds	455 days	Mon 11/11/13	Fri 8/7/15	169SS+30 days	Surveys,R/W
162	220.20.15	Resolution of Necessity Package	455 days	Mon 11/11/13	Fri 8/7/15	169SS+30 days	R/W,Surveys
163	220.25	Documents to Convey Property Rights	227.5 days	Mon 11/11/13	Wed 9/24/14	160SS	R/W,Surveys
164	220.35	Field Located Right of Way	485 days	Mon 9/30/13	Fri 8/7/15	169SS	R/W,Surveys
165	**M225**	**REGULAR R/W**	**0 days**	**Fri 8/16/13**	**Fri 8/16/13**	**47SS,158SS+45 d**	**R/W,Surveys**
166	**225**	**Obtain Right of Way Interests for Project Right of Way Certification**	**515 days**	**Mon 8/19/13**	**Fri 8/7/15**		
167	225.50	Parcel and Project Documentation	515 days	Mon 8/19/13	Fri 8/7/15	165	R/W,Surveys
168	225.60	Right of Way Appraisals	240 days	Mon 8/19/13	Fri 7/18/14	165	R/W,Surveys
169	225.65	Right of Way Acquisition	485 days	Mon 9/30/13	Fri 8/7/15	168SS+30 days	R/W,Surveys
170	225.70	Right of Way Relocation Assistance	455 days	Mon 11/11/13	Fri 8/7/15	169SS+30 days	R/W
171	225.75	Right of Way Clearance	455 days	Mon 11/11/13	Fri 8/7/15	169SS+30 days	R/W
172	225.80	Right of Way Condemnation	395 days	Mon 2/3/14	Fri 8/7/15	169SS+90 days,29	R/W,Surveys
173	**M410**	**R/W Cert**	**0 days**	**Fri 8/7/15**	**Fri 8/7/15**	**166,30**	**R/W,Surveys**
174	**245**	**POST R/W CERT WORK**	**800 days**	**Mon 8/10/15**	**Fri 8/31/18**		
175	245.50	Parcel and Project Documentation	800 days	Mon 8/10/15	Fri 8/31/18	173	R/W,Surveys
176	245.65	Right of Way Acquisition	30 days	Mon 8/10/15	Fri 9/18/15	173	R/W,Surveys
177	245.70	Right of Way Relocation Assistance	30 days	Mon 8/10/15	Fri 9/18/15	173	R/W
178	245.75	Right of Way Clearance	165 days	Mon 8/10/15	Fri 3/25/16	173	R/W
179	245.80	Right of Way Condemnation	165 days	Mon 8/10/15	Fri 3/25/16	173	R/W,Surveys
180	**300**	**FINAL R/W ENGINEERING**	**980 days**	**Mon 8/10/15**	**Fri 5/10/19**		
181	300.05	Right of Way Monumentation	980 days	Mon 8/10/15	Fri 5/10/19	173	Surveys
182	300.10	Trial Exhibits and Testimony	980 days	Mon 8/10/15	Fri 5/10/19	173	R/W,Surveys
183	300.25	Relinquishment and Vacation Maps	980 days	Mon 8/10/15	Fri 5/10/19	173	Surveys
184	300.30	Deed Package for Excess Land Transactions	815 days	Mon 8/10/15	Fri 9/21/18	173	R/W,Surveys
185	300.35	Right of Way Record Map	980 days	Mon 8/10/15	Fri 5/10/19	173	Surveys
186	**M800**	**END PROJECT**	**0 days**	**Mon 7/1/19**	**Mon 7/1/19**	**148,180,174,140**	**R/W,Surveys,Env**



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Date: Mon 3/11/13

Task | Progress | Summary | Rolled Up Critical Task | Rolled Up Progress | External Tasks | Group By Summary
Critical Task | Milestone | Rolled Up Task | Rolled Up Milestone | Split | Project Summary | Deadline

Schedule

A detailed project schedule based on Level 6 WBS activities is attached.
Major Milestone dates are:

Project Approval & Environmental Document (PA&ED) -	April 23, 2013
Ready to List (RTL) -	August 7, 2015
Construction Contract Acceptance (CCA) -	May 7, 2018

The project is on schedule and Design is 30% complete. The project is at a stage that it would benefit from the involvement of a Construction Manager (CM) in the next couple of months. The Project Team estimates that the CM would be able to provide input beginning July 2013 to August 2015. It is also around this time that opportunities could start being revealed to have the CM identify and perform sequenced work.
Given the complexity of the project the team believes that the earlier the CM could be involved the greater the benefit. While the benefits of the input from the CM begin to diminish after December 2013, the CMGC model will continue to provide benefits for construction staging, start of early construction on constrained areas and the greatest possible flexibility to meet the highly accelerated and critical completion date that is part of Caltrans' agreement with CHSRA.

Cost/Funding

The maximum estimated total cost of the project as identified in the interagency agreement is $225,900,000. The construction capital is estimated at $111,000,000 and the Right of Way Capital costs is estimated at $80,000,000. The project is entirely funded by the CHSRA as reimbursed work and the Department is not contributing any funds to this project. The funding is a combination of American Recovery and Reinvestment Act (ARRA) and Prop 1-A funds.

Permits/Agreements

The CHSRA is working on a master agreement with UPRR. However C&M agreements for the specific locations will be required.
The existing Freeway Agreement dated 1960 is with the County of Fresno. A Freeway Agreement with the City of Fresno will be required. The anticipated date for execution of the Freeway Agreement is June 2013.
The CHSRA will be responsible for all environmental permits for the project.

Right of Way and Utilities

There are 59 parcels with multiple sub parcels required for the project that are comprised of commercial service, commercial retail, industrial, food service, and temporary and permanent living quarters.. There will be at least 9 businesses displaced, including a gas station. Numerous long-term hotel residents and mini-storage tenants will require relocation assistance as governed by the Uniform Relocation Assistance and Real Properties Acquisition Act of 1970 as amended and directed by Title 49 Code of Federal Regulation part 24. Extensive demolition and clearance of affected improvements will be required to clear right of way in preparation for construction. Modification of bridge structures will require railroad agreements, including Construction and Maintenance, Service Contracts, and rights of entry. The team has identified parcels which at this time

are known to be full acquisitions. Appraisal work will begin on these parcels in the next couple of weeks.

Utilities that will need relocation within these limits of the project include PG&E gas and electric (including transmission), AT&T telephone and fiber optic lines, Comcast Cable, City of Fresno Water, Sewer and ITS elements and several canals under the jurisdiction of the Fresno Irrigation District.
There are several High Risk Utilities including a longitudinal encroachment. The utility easements required for the project have not yet been identified and most of the utilities will have to be relocated before the actual construction work begins. Some of these utilities are located on bridges which will require temporary relocation during bridge demolition. Preliminary identification of utilities has been completed. Design is in the process of verifications and once completed will be reviewed by each company for accuracy.

Public/Political Support of Project

The project is a subset of the High Speed Train Project and has high visibility and interests both by the general public and elected officials as it is within the limits of the first contract package for the CHSRA to build the HST system. There is cautionary general support within the community and the elected officials for the project. The City of Fresno has been an active participant in developing the HSR alignment through Fresno and will continue to be solution oriented as the details of the Route 99 relocation and staging are finalized.

Why is this project a good CMGC candidate?

Based on the complexity of the project and an aggressive baseline schedule, it is imperative to use all the tools available to ensure that the project can be delivered within the established commitment made by the Department to the CHSRA in the Interagency Agreement**.** The overwhelming consensus of the team was that using the CMCG process would tremendously enhance the ability of the district to effectively deliver this very important project.

There are 59 parcels with multiple sub parcels that are either commercial or business properties. The CM's input will allow the PDT to prioritize parcels based on a real validated construction schedules. The CM could also assist with developing cost to cure estimates for reconstruction or reconfiguration of business properties during the appraisal process. This would help shorten the timelines required for the more complex appraisals. It is also possible that for critical parcels the construction necessary to implement the "cost to cure" be included into an advanced contract for the CMGC.

The utility relocation effort within these limits will be very challenging as the project eliminates the existing frontage road without reestablishing a separate utility corridor. The CM's input will allow the PDT to evaluate likely impacts to construction during the PS&E phase from a resource and monetary standpoint and provide solutions to mitigate impacts prior to beginning construction. This may include utilizing the CMGC to do potholing, critical utility relocations and demolition in advance.

The CHSRA has a large construction project within the limits that could lead to resource or material shortages in the local area (CP1 contract effect – a one billion dollar contract). This risk can be identified early by the CM enabling solutions and/or mitigation to be included in the design phase. A CM will communicate with the local construction industry concerning the effects of the ongoing CP1 contract and will be able to give feedback based on real-time data, not lagging indicators. The CMGC method could also be used to secure critical material needed for prosecution of the work.

The interagency agreement with the CHSRA calls for enhanced communication including design workshops and partnering meetings with the Department and the CHSRA's CP1 design build contractor for the HST project. The CM would be an asset at these meetings as the Department would be able to coordinate the construction efforts based on actual staging information and means and methods to be employed on the project.

Additionally, the CM will propose solutions that they can cost effectively build, thus minimizing cost/claims associated with delay/ mitigation solutions. Specifically, the CM could be used on this project in the following areas:

- The interchange at Clinton Avenue has construction staging challenges which requires temporary shoring conditions best solved by a contractor based on available resources. This is a significant benefit toward securing consensus from the railroad.
- The City of Fresno has concerns about the city's east-west connectivity during construction. Potential innovation to reduce construction time through select precast elements and incorporation of temporary works into the design, could be accomplished through the aid of the CM.
- Clinton interchange has several ramps which will need to be closed. Working with a contractor can help to reduce closure time by inserting elements into the design that facilitate faster construction methods. The CM's input into the structure type selection can assist in shortening working days.
- At McKinley, a cast high and lower construction method has been proposed due to inadequate vertical clearance. A contractor can validate that approach versus other approaches for this widening such as the use of precast girders or specialized falsework systems.
- Utility relocation involving a major water trunk line is necessary on the Clinton structures. A CM can help design for the relocation given his operation capabilities. This includes means and methods for temporary locations and timing of temporary conditions.
- Precast girders are being considered for both Clinton OC and Fresno OH. The CM can determine the feasibility of delivery and placement versus onsite construction of these elements and the temporary false work requirements for deck construction for this extremely congested location.
- There are potentially 14 retaining walls on this project. At each location, the conditions vary. A contractor can help type select these walls to minimize impact to existing travelled way and reduce working days for wall construction, or

potentially eliminate their need at some locations. Additionally, walls can be constructed in such a way as to double as temporary shoring as required by constructing in stages.

While the team expressed support in moving forward with this process, it was recognized that there were some risks (threats) that the team identified that include:

- The CM could push for structure types that most benefit his operation but that may not be the most cost effective solution for our client.
- The Department during the design phase could include features tailored to the CM's capabilities and subsequently if unable to successfully negotiate a price, will then be required to use the traditional Design – Bid- Build process. The bidders in that process may be geared to other means and methods.
- There will be a learning curve for Department staff associated with this new process.

The project team met on April 24, 2013 to discuss the role of the CM and the benefits associated with delivering the project using this contracting method. Based on a risk assessment, the consensus of the team was that the benefits from the opportunities enumerated above far exceed a few low probability and low impact threats and recommends that the project be delivered using the CMGC process.

The team's assessment of the scope of services was that there was a lot of overlap within the various categories presented below. The following were identified as potential areas where the input from the CM would be most beneficial.

DESIGN RELATED

- ☒ Validate Department/Consultant design
- ☒ Assist/input to Department/Consultant design
- ☐ Design reviews
- ☐ Design charrettes
- ☒ Constructability reviews
- ☐ Operability reviews
- ☐ Regulatory reviews
- ☒ Market surveys for design decisions
- ☒ Verify/take-off quantities
- ☐ Assistance shaping scope of work
- ☒ Feasibility studies
- ☒ Encourage innovation

COST RELATED

- ☐ Validate agency/consultant estimates
- ☒ Prepare project estimates
- ☐ Cost engineering reviews
- ☒ Early award of critical bid packages
- ☐ Life cycle cost analysis
- ☒ Value analysis/engineering
- ☐ Material cost forecasting
- ☒ Cost risk analysis
- ☐ Cash flow projections/Cost control
- ☒ Shape the project scope to meet the budget

PRECONSTRUCTION WORK RELATED

- ☒ Utility Relocation
- ☒ Potholing
- ☐ Preliminary soil and geotech studies
- ☒ Right of Way Demolition
- ☐ Preliminary Surveying

SCHEDULE RELATED

- ☒ Validate agency/consultant schedules
- ☐ Prepare and manage project schedules
- ☒ Develop sequence of design work
- ☒ Construction phasing
- ☐ Schedule risk analysis/control

ADMINISTRATION RELATED

- ☐ Prepare Document Control
- ☐ Coordinate contract documents
- ☒ Coordinate with 3rd party stakeholders
- ☐ Subcontractor bid packaging
- ☒ Attend public meetings
- ☐ Bidability reviews
- ☐ Subcontractor bid packaging
- ☐ Prequalifying Subcontractors
- ☒ Assist in right-of-way acquisition
- ☐ Assist in permitting actions
- ☒ Study labor availability/conditions
- ☐ Prepare sustainability certification application
- ☐ Follow environmental commitments
- ☐ Follow terms of Federal Grant
- ☐ Coordinate site visits for subcontractors
- ☒ Teamwork/Partnering meetings/sessions
- ☐ Develop Quality and Safety plans