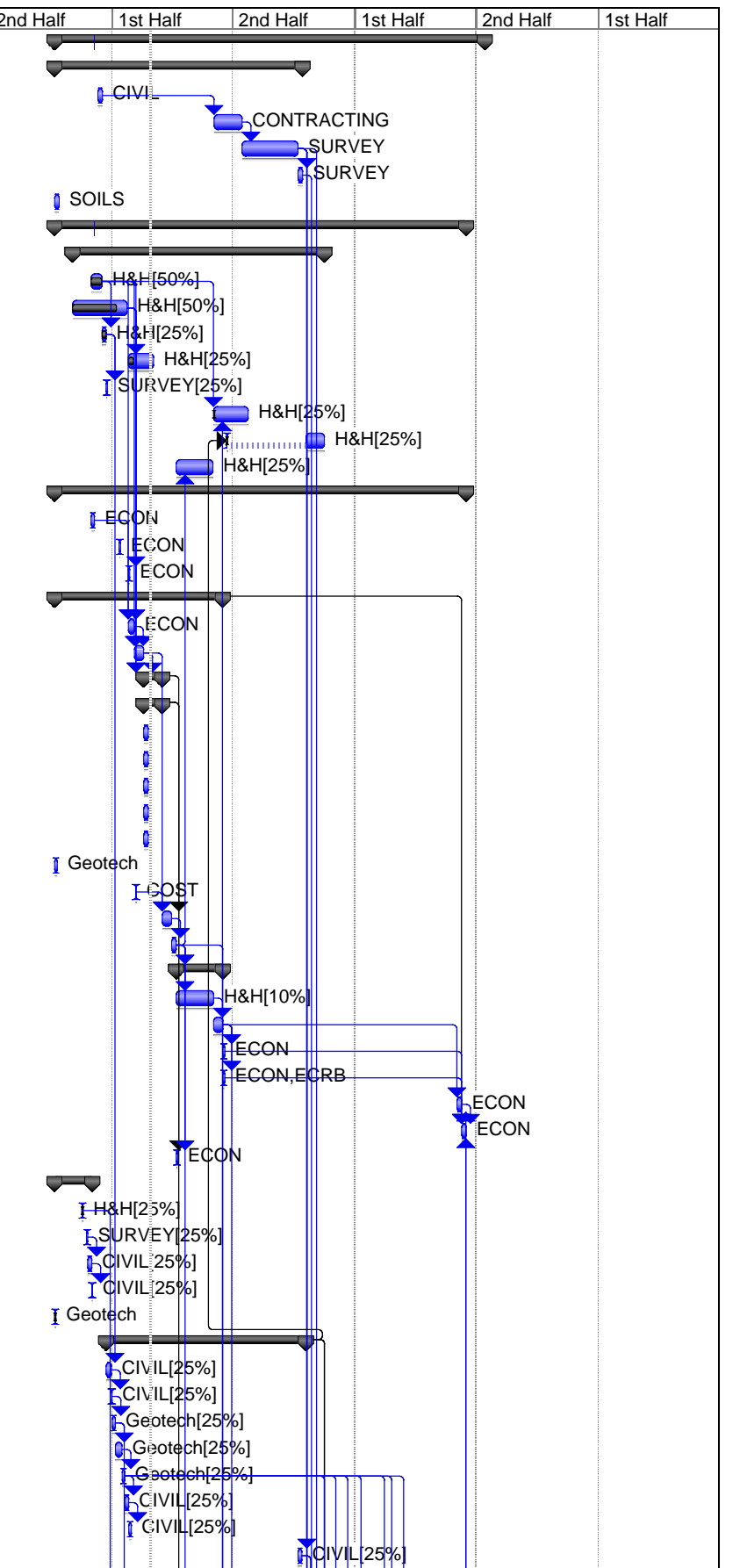


ID	Task Name	Duration	Start	Finish	Predecessors	Work	Resource Names	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half
1	FEASIBILITY	463 days?	Tue 10/7/14	Thu 7/14/16		13,160 hrs								
2	<b>ADDITIONAL DATA NEEDS</b>	267 days	Tue 10/7/14	Thu 10/14/15		840 hrs								
3	Prepare Survey SOW	5 days	Thu 12/11/14	Wed 12/17/14		40 hrs	CIVIL							
4	Survey Contracting Actions	30 days	Thu 6/4/15	Wed 7/15/15	3	240 hrs	CONTRACTING							
5	Updated Survey	60 days	Thu 7/16/15	Wed 10/7/15	4	480 hrs	SURVEY							
6	Review Survey Data & Prepare DTM's	5 days	Thu 10/8/15	Wed 10/14/15	5	40 hrs	SURVEY							
7	Assemble Boring Logs	5 days	Tue 10/7/14	Mon 10/13/14		40 hrs	SOILS							
8	<b>PRE DESIGN EFFORTS</b>	443 days?	Tue 10/7/14	Thu 6/16/16		2,102 hrs								
9	<b>H&amp;H WSE</b>	270.8 days?	Mon 11/3/14	Mon 11/16/15		556 hrs								
10	HEC-RAS Modeling	12.5 days?	Mon 12/1/14	Wed 12/17/14		50 hrs	H&H[50%]							
11	H&H Inundation Mapping Flow 2D end this 23 Jan 15	60 days?	Mon 11/3/14	Fri 1/23/15		240 hrs	H&H[50%]							
12	Process Draft 100-yr WSE	4 days?	Wed 12/17/14	Tue 12/23/14	10	8 hrs	H&H[25%]							
13	GIS Maps 100-yr WSE Draft	28 days?	Mon 1/26/15	Wed 3/4/15	11	56 hrs	H&H[25%]							
14	Survey Process Water Surface Raster	2 days?	Tue 12/23/14	Thu 12/25/14	12	4 hrs	SURVEY[25%]							
15	Support ECRB mitigation modeling	38 days?	Wed 6/3/15	Fri 7/24/15	294,10	76 hrs	H&H[25%]							
16	Support Levee Section Feasibility Design	22 days?	Mon 6/22/15	Mon 11/16/15	53	44 hrs	H&H[25%]							
17	Report Update	39 days?	Wed 4/8/15	Mon 6/1/15	38	78 hrs	H&H[25%]							
18	<b>ECON</b>	443 days?	Tue 10/7/14	Thu 6/16/16		1,248 hrs								
19	Updates structures & content	5 days	Mon 12/1/14	Fri 12/5/14		40 hrs	ECON							
20	Coordinate emergency & clean up cost	2 days	Mon 1/12/15	Tue 1/13/15		16 hrs	ECON							
21	Update transportation delays	2 days	Mon 1/26/15	Tue 1/27/15	11	16 hrs	ECON							
22	<b>HEC-FDA Modeling</b>	181 days?	Tue 10/7/14	Tue 6/16/15		1,008 hrs								
23	Update HEC-FDA inputs (economic, index locations, H&H, geotech levee fragility)	7 days	Mon 1/26/15	Tue 2/3/15	10,11,19	56 hrs	ECON							
24	Update without project condition results	10 days	Wed 2/4/15	Tue 2/17/15	23,10,11	0 hrs								
25	<b>Separable elements analysis</b>	20 days	Wed 2/18/15	Tue 3/17/15	10,11,24	480 hrs	ECON							
26	<b>Baker measures (HEC-FDA runs w/ and w/o Baker operational changes)</b>	20 days	Wed 2/18/15	Tue 3/17/15		320 hrs								
30	Burlington measures	5 days	Wed 2/18/15	Tue 2/24/15		0 hrs								
31	RB Mount Vernon measures	5 days	Wed 2/18/15	Tue 2/24/15		0 hrs								
32	LB Mount Vernon measures	5 days	Wed 2/18/15	Tue 2/24/15		0 hrs								
33	Sedro Woolley WWTP floodwall	5 days	Wed 2/18/15	Tue 2/24/15		0 hrs								
34	United General Hospital floodwall	5 days	Wed 2/18/15	Tue 2/24/15		0 hrs								
35	1 foot increment quantities (conceptual using draft design methodology)	4 days	Tue 10/7/14	Fri 10/10/14		32 hrs	Geotech							
36	1 foot increment cost (conceptual using draft design methodology)	1 day	Fri 2/6/15	Fri 2/6/15		8 hrs	COST							
37	Econ/NED Seperable Elements Analysis 3 week	10 days	Wed 3/18/15	Tue 3/31/15	36,25,24	0 hrs								
38	Review Results	5 days	Wed 4/1/15	Tue 4/7/15	37	0 hrs								
39	Formulate nonstructural/structural measures to address residual & induced flood ris	50 days?	Wed 4/8/15	Tue 6/16/15	38	432 hrs	ECON							
40	Additional Risk Reduction Measures	40 days?	Wed 4/8/15	Tue 6/2/15	38	32 hrs	H&H[10%]							
41	Analyze new measures if identified/needed	10 days	Wed 6/3/15	Tue 6/16/15	40	0 hrs								
42	Other Social Effects	3 days	Wed 6/17/15	Fri 6/19/15	41	24 hrs	ECON							
43	Exec Order 11988 analysi	3 days	Wed 6/17/15	Fri 6/19/15	41	48 hrs	ECON,ECRB							
44	Regional Economic Developmen	5 days	Fri 6/3/16	Thu 6/9/16	342,41	40 hrs	ECON							
45	Update feasibility report w/ addl econ info, dat	5 days	Fri 6/10/16	Thu 6/16/16	342,22,42,43,44	40 hrs	ECON							
46	Support ECRB with mitigation model effort & design	2 days	Wed 4/8/15	Thu 4/9/15	38,26	16 hrs	ECON							
47	<b>Coordinate System WSE Test</b>	41 days?	Tue 10/7/14	Tue 12/2/14		34 hrs								
48	Process Draft 250-yr WSE	2 days?	Mon 11/17/14	Tue 11/18/14		4 hrs	H&H[25%]							
49	Survey Process Water Surface Raster	2 days?	Mon 11/24/14	Tue 11/25/14		4 hrs	SURVEY[25%]							
50	Civil Interpret Water Surface to InRoads Profile	4 days?	Wed 11/26/14	Mon 12/1/14	49	8 hrs	CIVIL[25%]							
51	Add to CULI Alignment	1 day?	Tue 12/2/14	Tue 12/2/14	50	2 hrs	CIVIL[25%]							
52	Check Index points to confirm CULI Condition	2 days?	Tue 10/7/14	Wed 10/8/14		16 hrs	Geotech							
53	<b>Adjust CULI Alignment w/H&amp;H, geotech and Civil 100-yr</b>	214.5 days?	Tue 12/23/14	Mon 10/19/15		72 hrs								
54	Civil Generate 100-yr Levee Alignment	6 days?	Tue 12/23/14	Wed 12/31/14	12	12 hrs	CIVIL[25%]							
55	Generate 100-yr Index Sections and Selected Areas	1 day?	Wed 12/31/14	Thu 1/1/15	54	2 hrs	CIVIL[25%]							
56	Geotech Design Levee Sections	3 days	Thu 1/1/15	Tue 1/6/15	55	6 hrs	Geotech[25%]							
57	Geotech Analysis	8 days	Tue 1/6/15	Fri 1/16/15	56	16 hrs	Geotech[25%]							
58	Geotech Final Desing Levee Sections	2 days	Fri 1/16/15	Tue 1/20/15	57	4 hrs	Geotech[25%]							
59	Civil Adjust 100-yr Levee Alignment	4 days?	Tue 1/20/15	Mon 1/26/15	58	8 hrs	CIVIL[25%]							
60	Draft 100-yr Levee Quantities	4 days?	Mon 1/26/15	Fri 1/30/15	59	8 hrs	CIVIL[25%]							
61	Civil Adjust 100-yr Levee Alignment with Updated Survey	4 days?	Thu 10/8/15	Tue 10/13/15	5	8 hrs	CIVIL[25%]							



Project: Skagit Feasibility 141203  
Date: Fri 2/27/15

Task Progress Summary External Tasks Deadline

Split Milestone Project Summary External Milestone

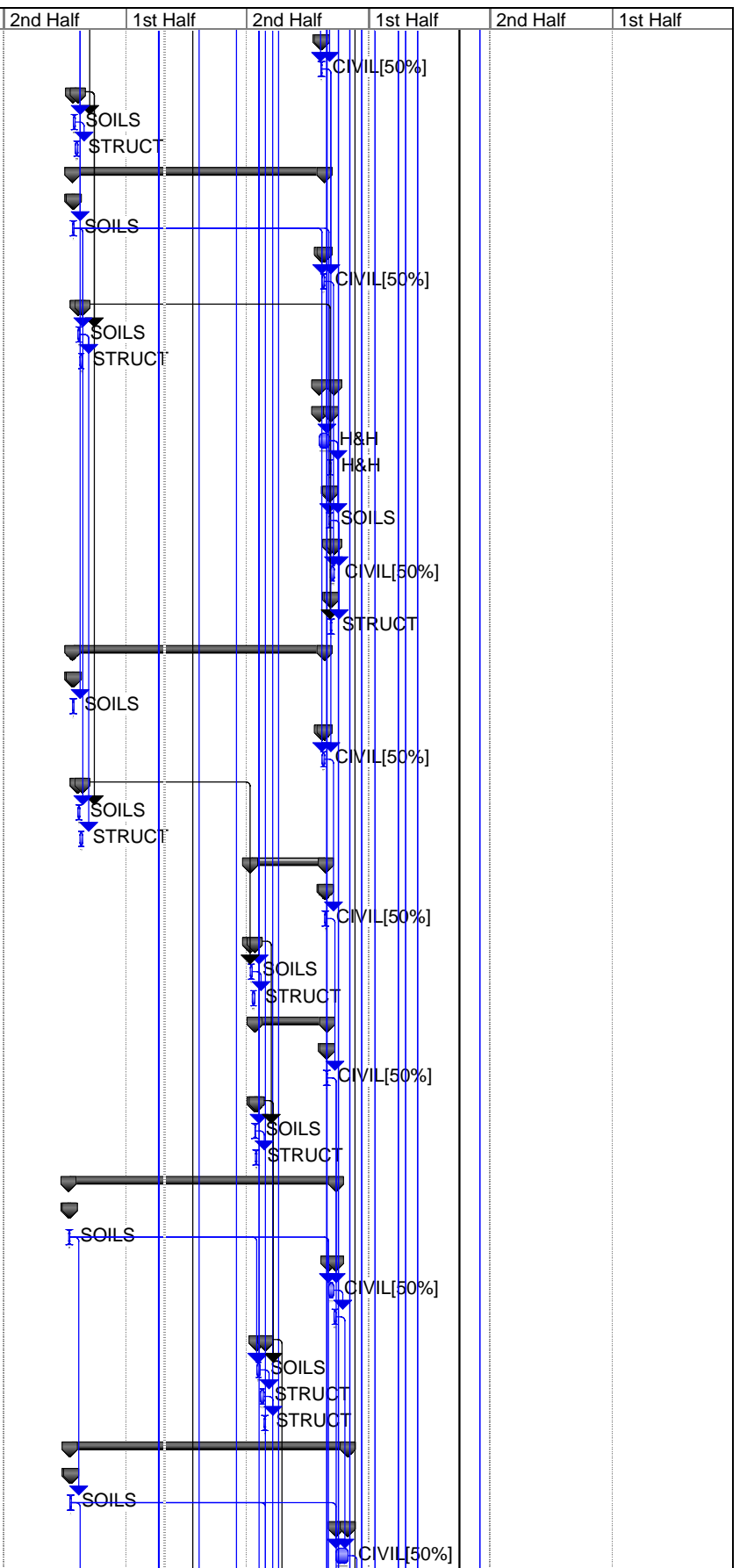
ID	Task Name	Duration	Start	Finish	Predecessors	Work	Resource Names	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half
62	Revised 100-yr Levee Quantities	4 days?	Wed 10/14/15	Mon 10/19/15	61	8 hrs	CIVIL[25%]							
63	<b>Process Draft NED Levee</b>	14 days?	Wed 6/17/15	Mon 7/6/15		28 hrs								
64	NED index point levee profile	2 days?	Wed 6/17/15	Thu 6/18/15	38,41	4 hrs	SURVEY[25%]							
65	Civil Interpret Water Surface to InRoads Profile	4 days?	Fri 6/19/15	Wed 6/24/15	64	8 hrs	CIVIL[25%]							
66	Add to CULI Alignment	3 days?	Thu 6/25/15	Mon 6/29/15	65	6 hrs	CIVIL[25%]							
67	Compare with CULI Levee Profile	1 day?	Tue 6/30/15	Tue 6/30/15	66	2 hrs	CIVIL[25%]							
68	Normalize Draft Feasibility NED Profiles	4 days?	Wed 7/1/15	Mon 7/6/15	67	8 hrs	CIVIL[25%]							
69	<b>Adjust CULI Alignment w/H&amp;H, geotech and NED</b>	23 days?	Thu 10/15/15	Mon 11/16/15		54 hrs								
70	Civil Generate NED Levee Alignment	2 days?	Thu 10/15/15	Fri 10/16/15	63,6	4 hrs	CIVIL[25%]							
71	Generate NED Index Sections and Selected Areas	2 days?	Mon 10/19/15	Tue 10/20/15	70	4 hrs	CIVIL[25%]							
72	Geotech Analysis & Refinement	4 days	Wed 10/21/15	Mon 10/26/15	71	8 hrs	Geotech[25%]							
73	Geotech Final Design Levee Sections	3 days	Tue 10/27/15	Thu 10/29/15	72	6 hrs	Geotech[25%]							
74	Civil Adjust NED Levee Alignment	4 days?	Fri 10/30/15	Wed 11/4/15	73	8 hrs	CIVIL[25%]							
75	Draft NED Levee Quantities	4 days?	Thu 11/5/15	Tue 11/10/15	74	8 hrs	CIVIL[25%]							
76	Civil Adjust NED Levee Alignment with Updated Survey	4 days?	Thu 11/5/15	Tue 11/10/15	5,74	8 hrs	CIVIL[25%]							
77	Revised NED Levee Quantities	4 days?	Wed 11/11/15	Mon 11/16/15	76	8 hrs	CIVIL[25%]							
78	GIS Maps Final	13 days?	Tue 11/17/15	Thu 12/3/15	53,69	26 hrs	H&H[25%]							
79	<b>Bank Protection Design</b>	78 days?	Tue 10/7/14	Thu 1/22/15		84 hrs								
80	<b>Bank Protection Workshop</b>	44 days?	Tue 10/7/14	Fri 12/5/14		8 hrs								
81	Bank Protection Workshop	0.5 days?	Fri 12/5/14	Fri 12/5/14		4 hrs	ECRB							
82	Bank Protection Cross Sections	2 days?	Tue 10/7/14	Wed 10/8/14		4 hrs	CIVIL[25%]							
83	Bank Protection Design 1	1 day?	Mon 12/8/14	Mon 12/8/14	80	2 hrs	ECRB[25%]							
84	Bank Protection Design 2	18 days?	Tue 12/30/14	Thu 1/22/15	89,48	36 hrs	H&H[25%]							
85	Bank Protection Design 3	1 day?	Mon 12/8/14	Mon 12/8/14	80	2 hrs	CIVIL[25%]							
86	Bank Protection Mitigation	6 days?	Mon 12/8/14	Mon 12/15/14	80	12 hrs	ECRB[25%]							
87	Bank Protection Mitigation Plan	2 days?	Tue 12/16/14	Wed 12/17/14	86	4 hrs	Geotech[25%]							
88	Bank Protection Mitigation Plan	6 days?	Tue 12/16/14	Tue 12/23/14	86	12 hrs	CIVIL[25%]							
89	C05 Determine Extent of Ex. Revetment Rock	4 days?	Wed 12/24/14	Mon 12/29/14	88	8 hrs	CIVIL[25%]							
90														
91	C01 DTM, ex. rock revetment, roads, bldgs, utilities	12 days?	Thu 10/8/15	Fri 10/23/15	5	24 hrs	CIVIL[25%]							
92	C02 Existing Conditions Plan	12 days?	Thu 10/8/15	Fri 10/23/15	5	24 hrs	CIVIL[25%]							
93	C03 Existing Utilities / New Utilities	12 days?	Thu 10/8/15	Fri 10/23/15	5	24 hrs	CIVIL[25%]							
94	C04 Staging/Borrow/Vicinity Maps 12 work areas 2 hr each	12 days?	Tue 11/17/15	Wed 12/2/15	53,69	24 hrs	CIVIL[25%]							
95														
96	L01 Levee Sections	10 days?	Tue 1/6/15	Tue 1/20/15	56	40 hrs	CIVIL[50%]							
97	L03 Levee Top Elevation, floodwalss, gates	6 days?	Wed 10/14/15	Wed 10/21/15	61	24 hrs	CIVIL[50%]							
98	L06 Draft Plans and Quantities for Coordination 12 reaches 2 hr each	16 days?	Tue 10/7/14	Tue 10/28/14		32 hrs	CIVIL[25%]							
99	L07 Check design cross sections 8 reaches 1 hr eac	4 days?	Wed 10/29/14	Mon 11/3/14	98	8 hrs	CIVIL[25%]							
100	L09 Design Rvion Decision Point	30 days	Tue 10/7/14	Mon 11/17/14		16 hrs	CIVIL[7%]							
101														
102	HTRW Efforts	30 days	Mon 10/19/15	Fri 11/27/15	70	0 hrs								
103	<b>FEASIBILITY DESIGN</b>	403 days?	Tue 10/7/14	Thu 4/21/16		1,996 hrs								
104	Initial Environmental Recon (Based on TSP alignment) - Wetlands	15 days	Mon 2/9/15	Fri 2/27/15	276	120 hrs	ECRB							
105	Initial Real Estate Review (Based on TSP alignment)	20 days	Fri 11/21/14	Thu 12/18/14		160 hrs	RE							
106														
107	Environmental Mitigation Plan	10 days?	Fri 1/23/15	Thu 2/5/15	79	40 hrs	CIVIL[50%]							
108	Base Civil Drawings	6 days?	Tue 10/7/14	Tue 10/14/14		24 hrs	CIVIL[50%]							
109	<b>SCDD #1 WEST MOUNT VERNON FLOODGATE AT DIVISION ST.</b>	271 days	Tue 10/7/14	Tue 10/20/15		64 hrs								
110	<b>SOILS Design</b>	2 days	Tue 10/7/14	Wed 10/8/14		16 hrs								
111	Foundation Design	2 days	Tue 10/7/14	Wed 10/8/14		16 hrs	SOILS							
112	<b>CIVIL Design</b>	2 days	Mon 10/19/15	Tue 10/20/15		8 hrs								
113	Site Plan	2 days	Mon 10/19/15	Tue 10/20/15	70	8 hrs	CIVIL[50%]							
114	<b>STRUCTURAL Design</b>	5 days	Tue 10/7/14	Mon 10/13/14		40 hrs								
115	Set Floodgate Height from WSE	3 days	Tue 10/7/14	Thu 10/9/14		24 hrs	SOILS							
116	Floodgate Design	2 days	Fri 10/10/14	Mon 10/13/14	115,111	16 hrs	STRUCT							
117	<b>SCDD #12 FLOODGATE AT BNSF RR X-ING</b>	271 days	Thu 10/9/14	Thu 10/22/15		64 hrs								
118	<b>SOILS Design</b>	2 days	Thu 10/9/14	Fri 10/10/14		16 hrs								
119	Foundation Design	2 days	Thu 10/9/14	Fri 10/10/14	111	16 hrs	SOILS							

Project: Skagit Feasibility 141203  
Date: Fri 2/27/15

Task Progress Summary External Tasks Deadline

Split Milestone Project Summary External Milestone

ID	Task Name	Duration	Start	Finish	Predecessors	Work	Resource Names	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half
120	<b>CIVIL Design</b>	2 days	Wed 10/21/15	Thu 10/22/15		8 hrs								
121	Site Plan	2 days	Wed 10/21/15	Thu 10/22/15	119,113	8 hrs	CIVIL[50%]							
122	<b>STRUCTURAL Design</b>	5 days	Tue 10/14/14	Mon 10/20/14		40 hrs								
123	Set Floodgate Height from WSE	3 days	Tue 10/14/14	Thu 10/16/14	119,114	24 hrs	SOILS							
124	Floodgate Design	2 days	Fri 10/17/14	Mon 10/20/14	123	16 hrs	STRUCT							
125	<b>BURLINGTON HILL FLOODGATE AT SR20</b>	271 days	Mon 10/13/14	Mon 10/26/15		64 hrs								
126	<b>SOILS Design</b>	2 days	Mon 10/13/14	Tue 10/14/14		16 hrs								
127	Foundation Design	2 days	Mon 10/13/14	Tue 10/14/14	119	16 hrs	SOILS							
128	<b>CIVIL Design</b>	2 days	Fri 10/23/15	Mon 10/26/15		8 hrs								
129	Site Plan	2 days	Fri 10/23/15	Mon 10/26/15	127,121	8 hrs	CIVIL[50%]							
130	<b>STRUCTURAL Design</b>	5 days	Tue 10/21/14	Mon 10/27/14		40 hrs								
131	Set Floodgate Height from WSE	3 days	Tue 10/21/14	Thu 10/23/14	127,122	24 hrs	SOILS							
132	Floodgate Design	2 days	Fri 10/24/14	Mon 10/27/14	131	16 hrs	STRUCT							
133	<b>GAGES SLOUGH</b>	16.5 days	Mon 10/19/15	Tue 11/10/15		156 hrs								
134	<b>H&amp;H Design</b>	13.5 days	Mon 10/19/15	Thu 11/5/15		108 hrs								
135	Slough Hydrology	10.5 days	Mon 10/19/15	Mon 11/2/15	70	84 hrs	H&H							
136	Culvert Design & Operation	3 days	Mon 11/2/15	Thu 11/5/15	135	24 hrs	H&H							
137	<b>SOILS Design</b>	2 days	Mon 11/2/15	Wed 11/4/15		16 hrs								
138	Analyze settlement	2 days	Mon 11/2/15	Wed 11/4/15	135,127	16 hrs	SOILS							
139	<b>CIVIL Design</b>	4 days	Wed 11/4/15	Tue 11/10/15		16 hrs								
140	Basic Site Plan	4 days	Wed 11/4/15	Tue 11/10/15	129,138	16 hrs	CIVIL[50%]							
141	<b>STRUCTURAL Design</b>	2 days	Wed 11/4/15	Fri 11/6/15		16 hrs								
142	Concrete Design	2 days	Wed 11/4/15	Fri 11/6/15	138,130	16 hrs	STRUCT							
143	<b>BURLINGTON HILL FLOODGATE AT BNSF RR X-ING (Use SR20 Xing Design)</b>	271 days	Mon 10/13/14	Mon 10/26/15		64 hrs								
144	<b>SOILS Design</b>	2 days	Mon 10/13/14	Tue 10/14/14		16 hrs								
145	Foundation Design	2 days	Mon 10/13/14	Tue 10/14/14	119	16 hrs	SOILS							
146	<b>CIVIL Design</b>	2 days	Fri 10/23/15	Mon 10/26/15		8 hrs								
147	Site Plan	2 days	Fri 10/23/15	Mon 10/26/15	127,121	8 hrs	CIVIL[50%]							
148	<b>STRUCTURAL Design</b>	5 days	Tue 10/21/14	Mon 10/27/14		40 hrs								
149	Set Floodgate Height from WSE	3 days	Tue 10/21/14	Thu 10/23/14	127,122	24 hrs	SOILS							
150	Floodgate Design	2 days	Fri 10/24/14	Mon 10/27/14	131	16 hrs	STRUCT							
151	<b>UNITED GENERAL HOSPITAL FLOODGATE</b>	82 days	Tue 7/7/15	Wed 10/28/15		48 hrs								
152	<b>CIVIL Design</b>	2 days	Tue 10/27/15	Wed 10/28/15		8 hrs								
153	Site Plan	2 days	Tue 10/27/15	Wed 10/28/15	147	8 hrs	CIVIL[50%]							
154	<b>STRUCTURAL Design</b>	5 days	Tue 7/7/15	Mon 7/13/15		40 hrs								
155	Set Floodgate Height from WSE	3 days	Tue 7/7/15	Thu 7/9/15	68,148	24 hrs	SOILS							
156	Floodgate Design	2 days	Fri 7/10/15	Mon 7/13/15	155	16 hrs	STRUCT							
157	<b>SEDRO WOOLEY WWTP FLOODGATE</b>	79 days	Tue 7/14/15	Fri 10/30/15		32 hrs								
158	<b>CIVIL Design</b>	2 days	Thu 10/29/15	Fri 10/30/15		8 hrs								
159	Site Plan	2 days	Thu 10/29/15	Fri 10/30/15	153	8 hrs	CIVIL[50%]							
160	<b>STRUCTURAL Design</b>	3 days	Tue 7/14/15	Thu 7/16/15		24 hrs								
161	Set Floodgate Height from WSE	1 day	Tue 7/14/15	Tue 7/14/15	154,68	8 hrs	SOILS							
162	Floodgate Design	2 days	Wed 7/15/15	Thu 7/16/15	161	16 hrs	STRUCT							
163	<b>BURLINGTON HILL FLOOD WALL</b>	288 days	Tue 10/7/14	Thu 11/12/15		112 hrs								
164	<b>SOILS Design</b>	2 days	Tue 10/7/14	Wed 10/8/14		16 hrs								
165	Foundation/Wall Design	2 days	Tue 10/7/14	Wed 10/8/14		16 hrs	SOILS							
166	<b>CIVIL Design</b>	9 days	Mon 11/2/15	Thu 11/12/15		24 hrs								
167	Site Plan	6 days	Mon 11/2/15	Mon 11/9/15	159,165	24 hrs	CIVIL[50%]							
168	Tie-In Design	3 days	Tue 11/10/15	Thu 11/12/15	167	0 hrs								
169	<b>STRUCTURAL Design</b>	9 days	Fri 7/17/15	Wed 7/29/15		72 hrs								
170	Set Floodwall heights from WSE	3 days	Fri 7/17/15	Tue 7/21/15	165,160,68	24 hrs	SOILS							
171	Develop Floodwall Sections	4 days	Wed 7/22/15	Mon 7/27/15	170	32 hrs	STRUCT							
172	Design Floodwall	2 days	Tue 7/28/15	Wed 7/29/15	171	16 hrs	STRUCT							
173	<b>LIONS PARK FLOOD WALL</b>	298 days	Thu 10/9/14	Mon 11/30/15		120 hrs								
174	<b>SOILS Design</b>	2 days	Thu 10/9/14	Fri 10/10/14		16 hrs								
175	Foundation/Wall Design	2 days	Thu 10/9/14	Fri 10/10/14	165	16 hrs	SOILS							
176	<b>CIVIL Design</b>	12 days	Fri 11/13/15	Mon 11/30/15		48 hrs								
177	Site Plan	12 days	Fri 11/13/15	Mon 11/30/15	168,175	48 hrs	CIVIL[50%]							



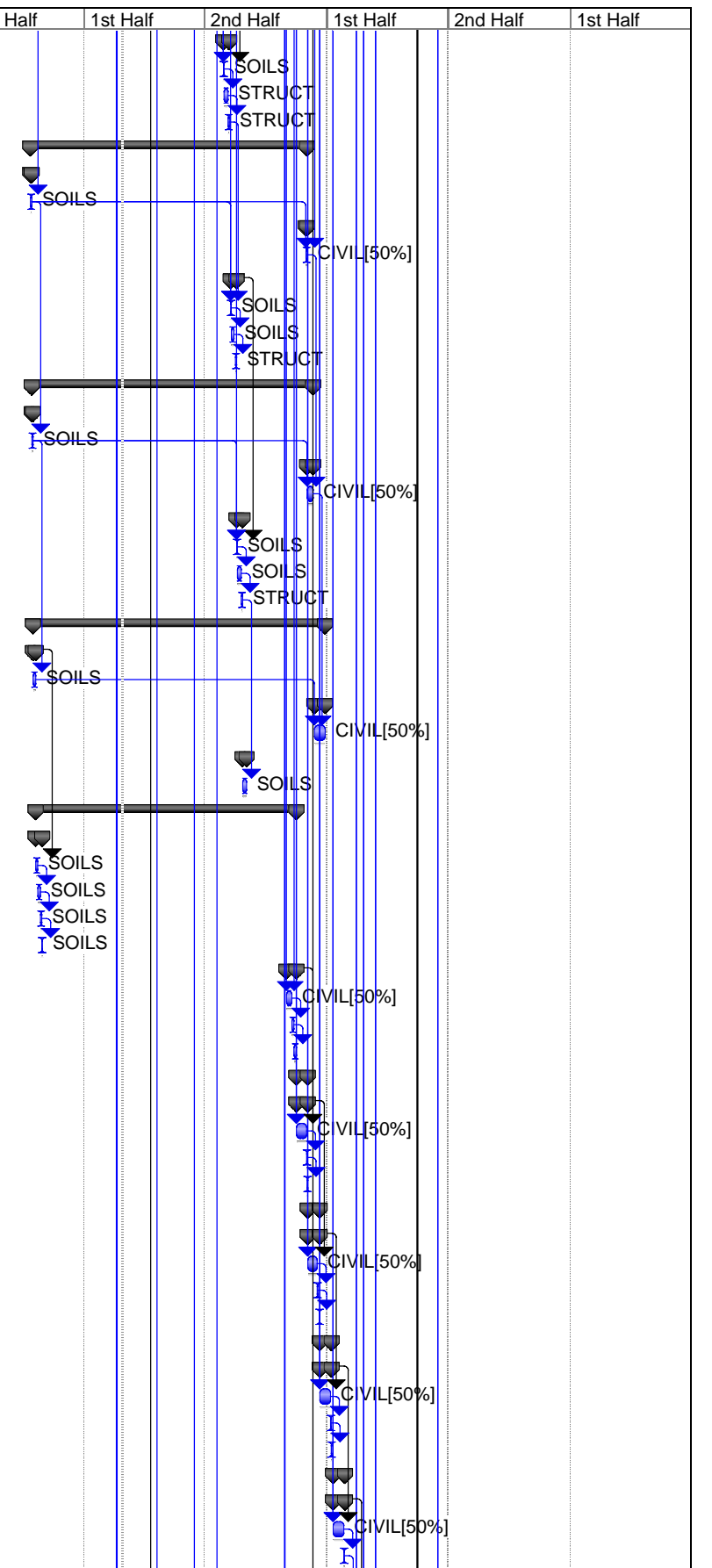
Project: Skagit Feasibility 141203  
Date: Fri 2/27/15

Task Progress Summary External Tasks Deadline

Split Milestone Project Summary External Milestone



ID	Task Name	Duration	Start	Finish	Predecessors	Work	Resource Names	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half
178	<b>STRUCTURAL Design</b>	7 days	Thu 7/30/15	Fri 8/7/15		56 hrs								
179	Set Floodwall heights from WSE	1 day	Thu 7/30/15	Thu 7/30/15	175,169,68	8 hrs	SOILS							
180	Develop Floodwall Sections	4 days	Fri 7/31/15	Wed 8/5/15	179	32 hrs	STRUCT							
181	Design Floodwall	2 days	Thu 8/6/15	Fri 8/7/15	180	16 hrs	STRUCT							
182	<b>SEDRO WOOLEY WWTP FLOOD WALL</b>	298 days	Mon 10/13/14	Wed 12/2/15		80 hrs								
183	<b>SOILS Design</b>	2 days	Mon 10/13/14	Tue 10/14/14		16 hrs								
184	Foundation/Wall Design	2 days	Mon 10/13/14	Tue 10/14/14	175	16 hrs	SOILS							
185	<b>CIVIL Design</b>	2 days	Tue 12/1/15	Wed 12/2/15		8 hrs								
186	Site Plan	2 days	Tue 12/1/15	Wed 12/2/15	177,184	8 hrs	CIVIL[50%]							
187	<b>STRUCTURAL Design</b>	7 days	Mon 8/10/15	Tue 8/18/15		56 hrs								
188	Set Floodwall heights from WSE	1 day	Mon 8/10/15	Mon 8/10/15	181,184,68	8 hrs	SOILS							
189	Develop Floodwall Sections	4 days	Tue 8/11/15	Fri 8/14/15	188	32 hrs	SOILS							
190	Design Floodwall	2 days	Mon 8/17/15	Tue 8/18/15	189	16 hrs	STRUCT							
191	<b>UNITED GENERAL HOSPITAL FLOOD WALL</b>	303 days	Wed 10/15/14	Fri 12/11/15		100 hrs								
192	<b>SOILS Design</b>	2 days	Wed 10/15/14	Thu 10/16/14		16 hrs								
193	Foundation/Wall Design	2 days	Wed 10/15/14	Thu 10/16/14	184	16 hrs	SOILS							
194	<b>CIVIL Design</b>	7 days	Thu 12/3/15	Fri 12/11/15		28 hrs								
195	Site Plan	7 days	Thu 12/3/15	Fri 12/11/15	186,193	28 hrs	CIVIL[50%]							
196	<b>STRUCTURAL Design</b>	7 days	Wed 8/19/15	Thu 8/27/15		56 hrs								
197	Set Floodwall heights from WSE	1 day	Wed 8/19/15	Wed 8/19/15	193,187,68	8 hrs	SOILS							
198	Develop Floodwall Sections	4 days	Thu 8/20/15	Tue 8/25/15	197	32 hrs	SOILS							
199	Design Floodwall	2 days	Wed 8/26/15	Thu 8/27/15	198	16 hrs	STRUCT							
200	<b>VERIFY MOUNT VERNON FLOOD WALL</b>	313 days	Fri 10/17/14	Tue 12/29/15		96 hrs								
201	<b>SOILS Design</b>	2 days	Fri 10/17/14	Mon 10/20/14		16 hrs								
202	Foundation/Wall Verification	2 days	Fri 10/17/14	Mon 10/20/14	193	16 hrs	SOILS							
203	<b>CIVIL Design</b>	12 days	Mon 12/14/15	Tue 12/29/15		48 hrs								
204	Site Plan	12 days	Mon 12/14/15	Tue 12/29/15	195,202	48 hrs	CIVIL[50%]							
205	<b>STRUCTURAL Design</b>	4 days	Fri 8/28/15	Wed 9/2/15		32 hrs								
206	Verify Floodwall Sections & Elevation	4 days	Fri 8/28/15	Wed 9/2/15	199	32 hrs	SOILS							
207	<b>BURLINGTON HILL NEW LEVEE</b>	280 days	Tue 10/21/14	Mon 11/16/15		106 hrs								
208	<b>SOILS Design</b>	8 days	Tue 10/21/14	Thu 10/30/14		64 hrs								
209	Set levee heights from WSE	3 days	Tue 10/21/14	Thu 10/23/14	201	24 hrs	SOILS							
210	Develop levee sections	2 days	Fri 10/24/14	Mon 10/27/14	209	16 hrs	SOILS							
211	Seepage analysis on CULI alternative	2 days	Tue 10/28/14	Wed 10/29/14	210	16 hrs	SOILS							
212	Analyze settlement	1 day	Thu 10/30/14	Thu 10/30/14	211	8 hrs	SOILS							
213	<b>CIVIL Design</b>	11 days	Mon 11/2/15	Mon 11/16/15		42 hrs								
214	Site Plan	6 days	Mon 11/2/15	Mon 11/9/15	159,165	24 hrs	CIVIL[50%]							
215	Crossing Ramps	3 days	Tue 11/10/15	Thu 11/12/15	214	18 hrs								
216	Utility Relocation	2 days	Fri 11/13/15	Mon 11/16/15	215	0 hrs								
217	<b>SCDD#12 UPSTERAM LEVEE RAISE</b>	13 days?	Tue 11/17/15	Thu 12/3/15		50 hrs								
218	<b>CIVIL Design</b>	13 days?	Tue 11/17/15	Thu 12/3/15		50 hrs								
219	Site Plan	11 days?	Tue 11/17/15	Tue 12/1/15	213,58,73	44 hrs	CIVIL[50%]							
220	Crossing Ramps	1 day?	Wed 12/2/15	Wed 12/2/15	219	6 hrs								
221	Utility Relocation	1 day?	Thu 12/3/15	Thu 12/3/15	220	0 hrs								
222	<b>BNSF EMBANKMENT LEVEE RAISE</b>	12 days?	Fri 12/4/15	Mon 12/21/15		46 hrs								
223	<b>CIVIL Design</b>	12 days?	Fri 12/4/15	Mon 12/21/15		46 hrs								
224	Site Plan	10 days	Fri 12/4/15	Thu 12/17/15	218,58,73	40 hrs	CIVIL[50%]							
225	Crossing Ramps	1 day?	Fri 12/18/15	Fri 12/18/15	224	0 hrs								
226	Utility Relocation	1 day?	Mon 12/21/15	Mon 12/21/15	225	6 hrs								
227	<b>SCDD#12 3-BRIDGE CORRIDOR LEVEE RAISE</b>	14 days?	Tue 12/22/15	Fri 1/8/16		54 hrs								
228	<b>CIVIL Design</b>	14 days?	Tue 12/22/15	Fri 1/8/16		54 hrs								
229	Site Plan	12 days?	Tue 12/22/15	Wed 1/6/16	223,58,73	48 hrs	CIVIL[50%]							
230	Crossing Ramps	1 day?	Thu 1/7/16	Thu 1/7/16	229	6 hrs								
231	Utility Relocation	1 day?	Fri 1/8/16	Fri 1/8/16	230	0 hrs								
232	<b>SCDD#17 3-BRIDGE CORRIDOR LEVEE RAISE</b>	14 days?	Mon 1/11/16	Thu 1/28/16		54 hrs								
233	<b>CIVIL Design</b>	14 days?	Mon 1/11/16	Thu 1/28/16		54 hrs								
234	Site Plan	12 days?	Mon 1/11/16	Tue 1/26/16	228,58,73	48 hrs	CIVIL[50%]							
235	Crossing Ramps	1 day?	Wed 1/27/16	Wed 1/27/16	234	6 hrs								

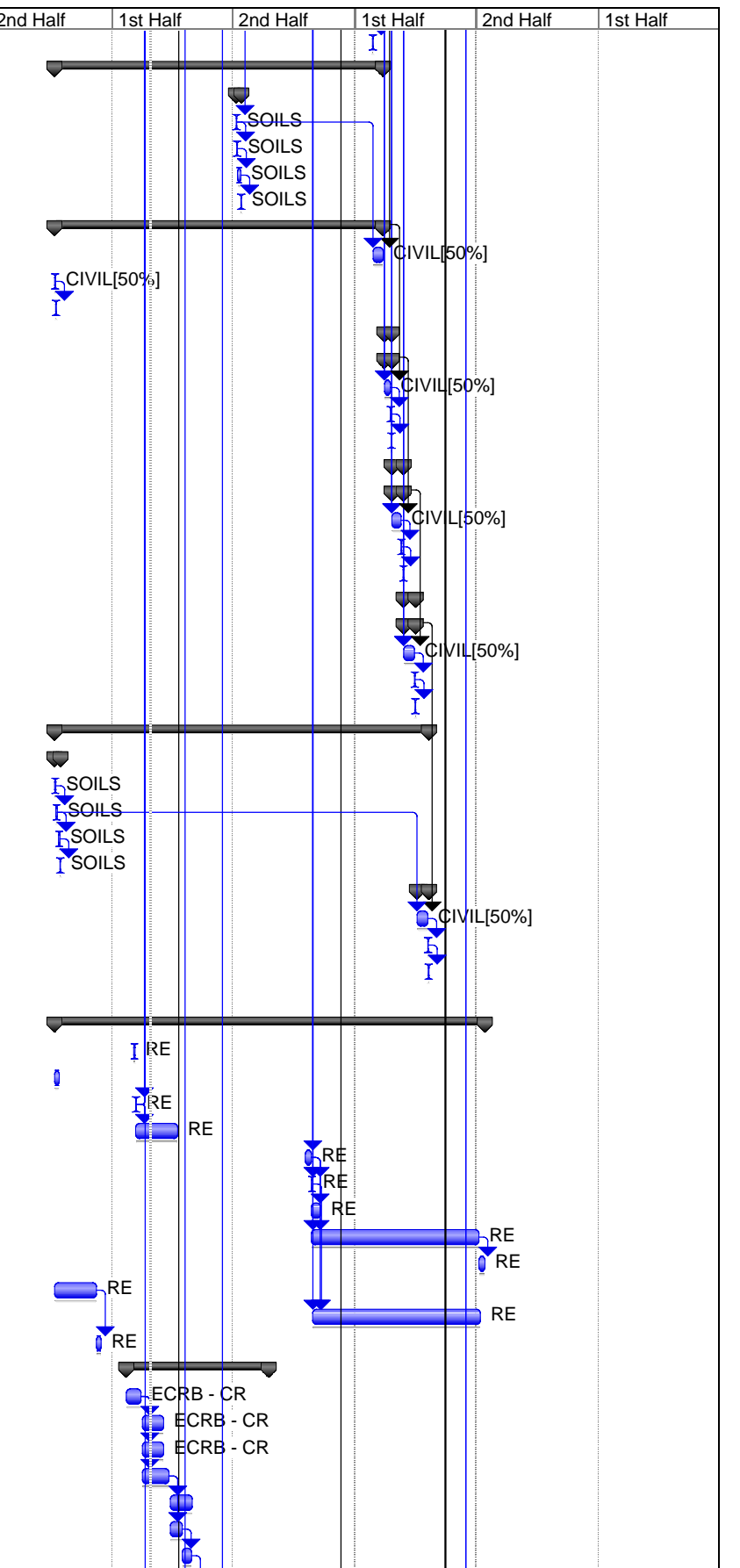


Project: Skagit Feasibility 141203  
Date: Fri 2/27/15

Task Progress Summary External Tasks Deadline

Split Milestone Project Summary External Milestone

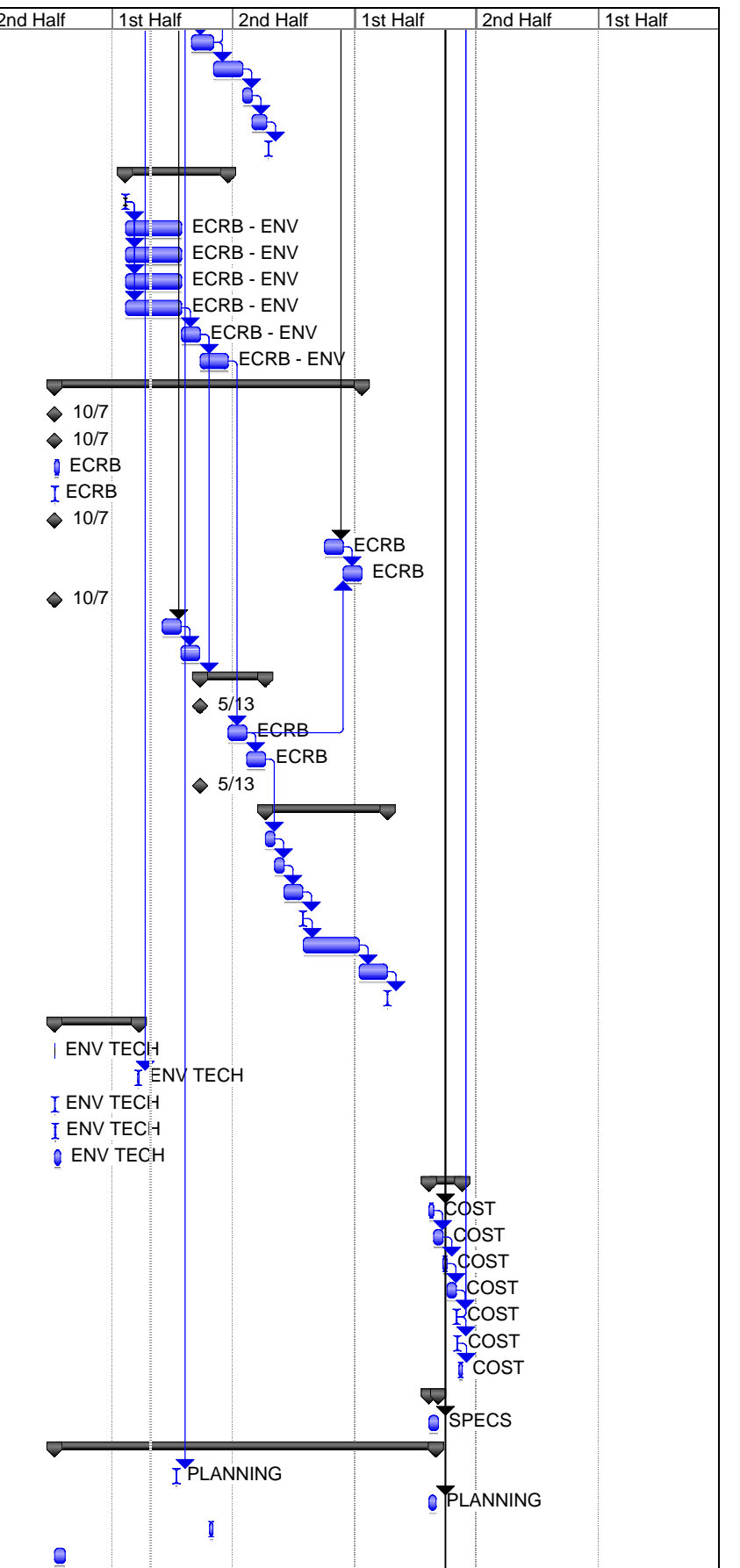
ID	Task Name	Duration	Start	Finish	Predecessors	Work	Resource Names	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half
236	Utility Relocation	1 day?	Thu 1/28/16	Thu 1/28/16	235	0 hrs								
237	<b>RIVERBEND CUTOFF NEW LEVEE</b>	354 days?	Tue 10/7/14	Fri 2/12/16		98 hrs								
238	<b>SOILS Design</b>	6 days	Tue 7/7/15	Tue 7/14/15		48 hrs								
239	Set levee heights from WSE	1 day	Tue 7/7/15	Tue 7/7/15	68	8 hrs	SOILS							
240	Develop levee sections	1 day	Wed 7/8/15	Wed 7/8/15	239	8 hrs	SOILS							
241	Seepage analysis on CULI alternative	3 days	Thu 7/9/15	Mon 7/13/15	240	24 hrs	SOILS							
242	Analyze settlement	1 day	Tue 7/14/15	Tue 7/14/15	241	8 hrs	SOILS							
243	<b>CIVIL Design</b>	354 days?	Tue 10/7/14	Fri 2/12/16		50 hrs								
244	Site Plan	11 days?	Fri 1/29/16	Fri 2/12/16	233,239	44 hrs	CIVIL[50%]							
245	Crossing Ramps	1.5 days?	Tue 10/7/14	Wed 10/8/14		6 hrs	CIVIL[50%]							
246	Utility Relocation	1 day?	Wed 10/8/14	Thu 10/9/14	245	0 hrs								
247	<b>SOUTH RIVERBEND ROAD LEVEE RAISE</b>	9 days?	Mon 2/15/16	Thu 2/25/16		34 hrs								
248	<b>CIVIL Design</b>	9 days?	Mon 2/15/16	Thu 2/25/16		34 hrs								
249	Site Plan	7 days?	Mon 2/15/16	Tue 2/23/16	243,58,73	28 hrs	CIVIL[50%]							
250	Crossing Ramps	1 day?	Wed 2/24/16	Wed 2/24/16	249	6 hrs								
251	Utility Relocation	1 day?	Thu 2/25/16	Thu 2/25/16	250	0 hrs								
252	<b>WEST MOUNT VERNON LEVEE RAISE</b>	12 days?	Fri 2/26/16	Mon 3/14/16		46 hrs								
253	<b>CIVIL Design</b>	12 days?	Fri 2/26/16	Mon 3/14/16		46 hrs								
254	Site Plan	10 days?	Fri 2/26/16	Thu 3/10/16	248,58,73	40 hrs	CIVIL[50%]							
255	Crossing Ramps	1 day?	Fri 3/11/16	Fri 3/11/16	254	6 hrs								
256	Utility Relocation	1 day?	Mon 3/14/16	Mon 3/14/16	255	0 hrs								
257	<b>SOUTH MOUNT VERNON LEVEE RAISE</b>	14 days?	Tue 3/15/16	Fri 4/1/16		54 hrs								
258	<b>CIVIL Design</b>	14 days?	Tue 3/15/16	Fri 4/1/16		54 hrs								
259	Site Plan	12 days?	Tue 3/15/16	Wed 3/30/16	253,58,73	48 hrs	CIVIL[50%]							
260	Crossing Ramps	1 day?	Thu 3/31/16	Thu 3/31/16	259	6 hrs								
261	Utility Relocation	1 day?	Fri 4/1/16	Fri 4/1/16	260	0 hrs								
262	<b>RAISING LOW SPOTS</b>	403 days?	Tue 10/7/14	Thu 4/21/16		110 hrs								
263	<b>SOILS Design</b>	7 days	Tue 10/7/14	Wed 10/15/14		56 hrs								
264	Set levee heights from WSE	2 days	Tue 10/7/14	Wed 10/8/14		16 hrs	SOILS							
265	Develop levee sections	2 days	Thu 10/9/14	Fri 10/10/14	264	16 hrs	SOILS							
266	Seepage analysis on CULI alternative	2 days	Mon 10/13/14	Tue 10/14/14	265	16 hrs	SOILS							
267	Analyze settlement	1 day	Wed 10/15/14	Wed 10/15/14	266	8 hrs	SOILS							
268	<b>CIVIL Design</b>	14 days?	Mon 4/4/16	Thu 4/21/16		54 hrs								
269	Site Plan	12 days?	Mon 4/4/16	Tue 4/19/16	258,265	48 hrs	CIVIL[50%]							
270	Crossing Ramps	1 day?	Wed 4/20/16	Wed 4/20/16	269	6 hrs								
271	Utility Relocation	1 day?	Thu 4/21/16	Thu 4/21/16	270	0 hrs								
272														
273	<b>REAL ESTATE</b>	463 days	Tue 10/7/14	Thu 7/14/16		3,872 hrs								
274	Non Federal Sponsor Capability Assessment & Risk Letters	2 days	Tue 2/3/15	Wed 2/4/15		16 hrs	RE							
275	Post -Charrett Follow Up Action- Land Cost Estimate vs Gross Appraisal Vertical Alignmen	5 days	Tue 10/7/14	Mon 10/13/14		0 hrs								
276	Right Of Entry for Environmental and HTRW (Parcel Identification Action)	1 day	Fri 2/6/15	Fri 2/6/15	107	8 hrs	RE							
277	Right of Entry Document Preparation and Landowner Follow Up	45 days	Fri 2/6/15	Thu 4/9/15	107	360 hrs	RE							
278	Update RE Mapping for Appraisal nad REP Purposes	7 days	Mon 10/19/15	Tue 10/27/15	70	56 hrs	RE							
279	Identify Estates Required to Support the Project	2 days	Wed 10/28/15	Thu 10/29/15	70,278	16 hrs	RE							
280	Title Report Analysis for Land Use Restrictions	10 days	Wed 10/28/15	Tue 11/10/15	278	80 hrs	RE							
281	Appraisal Action (includes Market Research, Field Visit, Report Writing)	180 days	Wed 10/28/15	Tue 7/5/16	70,278	1,440 hrs	RE							
282	Baseline Real Estate Cost Estimate	7 days	Wed 7/6/16	Thu 7/14/16	281	56 hrs	RE							
283	21 Point Real Estate Plan Preparation (Per ER-405-1-12)	45 days	Tue 10/7/14	Mon 12/8/14		360 hrs	RE							
284	BNSF - USACE Collaboration	180 days	Fri 10/30/15	Thu 7/7/16	70,278,279	1,440 hrs	RE							
285	Real Estate Plan DQC	5 days	Tue 12/9/14	Mon 12/15/14	283	40 hrs	RE							
286	<b>ECRB-CR</b>	152 days	Fri 1/23/15	Mon 8/24/15		512 hrs								
287	APE Review, GIS	16 days	Fri 1/23/15	Fri 2/13/15		128 hrs	ECRB - CR							
288	Define and Consult on the Area of Potential Effect (SHPO)	24 days	Mon 2/16/15	Thu 3/19/15	287	192 hrs	ECRB - CR							
289	Tribal Notification	24 days	Mon 2/16/15	Thu 3/19/15	287	192 hrs	ECRB - CR							
290	Identify/Evaluate and Assess Effects to known historic properties	30 days	Mon 2/16/15	Fri 3/27/15	287	0 hrs								
291	Render Agency Findings of Effect (Adverse Effect) to SHPO	25 days	Mon 3/30/15	Fri 5/1/15	290	0 hrs								
292	Identify/Notify/Invite Consulting Parties to Consult on MOA	14 days	Mon 3/30/15	Thu 4/16/15	290	0 hrs								
293	Prepare Draft MOA	10 days	Fri 4/17/15	Thu 4/30/15	292	0 hrs								



Project: Skagit Feasibility 141203  
Date: Fri 2/27/15

Task		Progress		Summary		External Tasks		Deadline	
Split		Milestone		Project Summary		External Milestone			

ID	Task Name	Duration	Start	Finish	Predecessors	Work	Resource Names	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half
294	Circulate Draft MOA to Consulting Parties for Review	23 days	Fri 5/1/15	Tue 6/2/15	293	0 hrs								
295	Consultation and Revision Draft MOA	32 days	Wed 6/3/15	Thu 7/16/15	294	0 hrs								
296	Finalize Draft MOA	10 days	Fri 7/17/15	Thu 7/30/15	295	0 hrs								
297	Signature Process for Final MOA	16 days	Fri 7/31/15	Fri 8/21/15	296	0 hrs								
298	File MOA with ACHP	1 day	Mon 8/24/15	Mon 8/24/15	297	0 hrs								
299	<b>ECRB-ENV Model</b>	111 days	Wed 1/21/15	Wed 6/24/15		2,320 hrs								
300	Kickoff Meeting	1 day	Wed 1/21/15	Wed 1/21/15		0 hrs								
301	Meetings & workshops w/ agencies, Tribes & Eco-PCX	60 days	Thu 1/22/15	Wed 4/15/15	300	480 hrs	ECRB - ENV							
302	Modificatons to PL84-99 tool	60 days	Thu 1/22/15	Wed 4/15/15	300	480 hrs	ECRB - ENV							
303	Documentation Report	60 days	Thu 1/22/15	Wed 4/15/15	300	480 hrs	ECRB - ENV							
304	Initial Calculations	60 days	Thu 1/22/15	Wed 4/15/15	300	480 hrs	ECRB - ENV							
305	DQC/Tech Group Review & Backcheck	20 days	Thu 4/16/15	Wed 5/13/15	304	160 hrs	ECRB - ENV							
306	Eco-PCX Review & back check; Comment response & model revisions	30 days	Thu 5/14/15	Wed 6/24/15	305	240 hrs	ECRB - ENV							
307	<b>ECRB</b>	330 days	Tue 10/7/14	Mon 1/11/16		368 hrs								
308	Report Updates	0 days	Tue 10/7/14	Tue 10/7/14		0 hrs	ECRB							
309	Coordinating response to public comments	0 days	Tue 10/7/14	Tue 10/7/14		0 hrs	ECRB							
310	update map	5 days	Tue 10/7/14	Mon 10/13/14		40 hrs	ECRB							
311	Respond to initial public comments w/ text revisions	1 day	Tue 10/7/14	Tue 10/7/14		8 hrs	ECRB							
312	Overall coordination w/ agencies & tribe	0 days	Tue 10/7/14	Tue 10/7/14		0 hrs	ECRB							
313	Wetlands Analysis & Mitigation/401	20 days	Tue 11/17/15	Mon 12/14/15	69	160 hrs	ECRB							
314	Prepare mitigation & Monitoring plan	20 days	Tue 12/15/15	Mon 1/11/16	313,320	160 hrs	ECRB							
315	Coordinate for mitigation design	0 days	Tue 10/7/14	Tue 10/7/14		0 hrs	ECRB							
316	Baker Dam - Tributary Access	20 days	Wed 3/18/15	Tue 4/14/15	26	0 hrs								
317	Baker Dam - Production Capacity	20 days	Wed 4/15/15	Tue 5/12/15	316	0 hrs								
318	<b>ESA BA Effects Analysis</b>	70 days	Wed 5/13/15	Wed 8/19/15	305	320 hrs								
319	Meetings & workshops w/ agencies	0 days	Wed 5/13/15	Wed 5/13/15		0 hrs	ECRB							
320	Calculations of Final Design Data	20 days	Thu 6/25/15	Wed 7/22/15	306	160 hrs	ECRB							
321	Finalize Draft BA	20 days	Thu 7/23/15	Wed 8/19/15	320	160 hrs	ECRB							
322	ESA Coordinator mtg participation, assistance & DQC review	0 days	Wed 5/13/15	Wed 5/13/15		0 hrs	ECRB							
323	<b>ESA Consultation Porcess</b>	132 days	Thu 8/20/15	Fri 2/19/16		0 hrs								
324	NWS Review	10 days	Thu 8/20/15	Wed 9/2/15	321	0 hrs								
325	OC Review	10 days	Thu 9/3/15	Wed 9/16/15	324	0 hrs								
326	NWD	20 days	Thu 9/17/15	Wed 10/14/15	325	0 hrs								
327	Submit to Services	1 day	Thu 10/15/15	Thu 10/15/15	326	0 hrs								
328	Draft BiOp(s) form services	60 days	Fri 10/16/15	Thu 1/7/16	327	0 hrs								
329	BiOp Negotiations	30 days	Fri 1/8/16	Thu 2/18/16	328	0 hrs								
330	Final BiOp(s) form services	1 day	Fri 2/19/16	Fri 2/19/16	329	0 hrs								
331	<b>ENV TECH (see task 107)</b>	91 days	Tue 10/7/14	Tue 2/10/15		100 hrs								
332	Review previous database searc	0.5 days	Tue 10/7/14	Tue 10/7/14		4 hrs	ENV TECH							
333	site visits/interviews	2 days	Mon 2/9/15	Tue 2/10/15	276	16 hrs	ENV TECH							
334	review levee alignments vs HTRW site	1 day	Tue 10/7/14	Tue 10/7/14		8 hrs	ENV TECH							
335	review info on induced flooding vs HTRW site	2 days	Tue 10/7/14	Wed 10/8/14		16 hrs	ENV TECH							
336	Prepare assessment	7 days	Tue 10/7/14	Wed 10/15/14		56 hrs	ENV TECH							
337	<b>COST Engineering</b>	36 days	Fri 4/22/16	Fri 6/10/16		288 hrs								
338	Prepare Take-Off	5 days	Fri 4/22/16	Thu 4/28/16	103	40 hrs	COST							
339	Prepare Estimate	10 days	Fri 4/29/16	Thu 5/12/16	338	80 hrs	COST							
340	Prepare Construction Schedul	4 days	Fri 5/13/16	Wed 5/18/16	339	32 hrs	COST							
341	C&SRA Meeting and Analysis	10 days	Thu 5/19/16	Wed 6/1/16	340	80 hrs	COST							
342	Prepare TPCS	1 day	Thu 6/2/16	Thu 6/2/16	341	8 hrs	COST							
343	Route TPCS for Signature	1 day	Fri 6/3/16	Fri 6/3/16	342	8 hrs	COST							
344	Feasibility Report Write-Up	5 days	Mon 6/6/16	Fri 6/10/16	343	40 hrs	COST							
345	<b>SPECS</b>	10 days	Fri 4/22/16	Thu 5/5/16		80 hrs								
346	Tech Edit	10 days	Fri 4/22/16	Thu 5/5/16	103	80 hrs	SPECS							
347	<b>PLANNING</b>	409.75 days?	Tue 10/7/14	Mon 5/2/16		66 hrs								
348	Update Decision Log	0.5 days	Wed 4/8/15	Wed 4/8/15	38	4 hrs	PLANNING							
349	Coordinate/verify PDT changes to docs in response to concurrent review comments / respon	6.75 days	Fri 4/22/16	Mon 5/2/16	103	54 hrs	PLANNING							
350	Respond to planning related public comments for Public Comments Appendix	3 days	Thu 5/28/15	Mon 6/1/15		0 hrs								
351	Prepare Technical Review Appendix	12 days	Tue 10/7/14	Wed 10/22/14		0 hrs								











Project: Skagit Feasibility 141203  
Date: Fri 2/27/15

Task		Progress		Summary		External Tasks		Deadline	
Split		Milestone		Project Summary		External Milestone			

ID	Task Name	Duration	Start	Finish	Predecessors	Work	Resource Names	1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half	1st Half
352	Update FR/EIS for repsonses to public, NWD,HQ, ATR, IEPR comments	5 days	Tue 10/7/14	Mon 10/13/14		0 hrs								
353	Update FR/EIS for editorial comments from concurrent reviews	3 days	Fri 4/22/16	Tue 4/26/16	103	0 hrs								
354	Update for Feasibility Level Design nad Cost	5 days	Fri 4/22/16	Thu 4/28/16	103	0 hrs								
355	Update Risk Register	1 day?	Fri 4/22/16	Fri 4/22/16	103	8 hrs	PDT							
356	<b>REVIEWS</b>	10 days	Fri 4/22/16	Thu 5/5/16		80 hrs								
357	PDT Review Draft FR/EIS	10 days	Fri 4/22/16	Thu 5/5/16	103	80 hrs	PDT							

Project: Skagit Feasibility 141203  
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Task  Progress  Summary  External Tasks  Deadline   
 Split  Milestone  Project Summary  External Milestone 