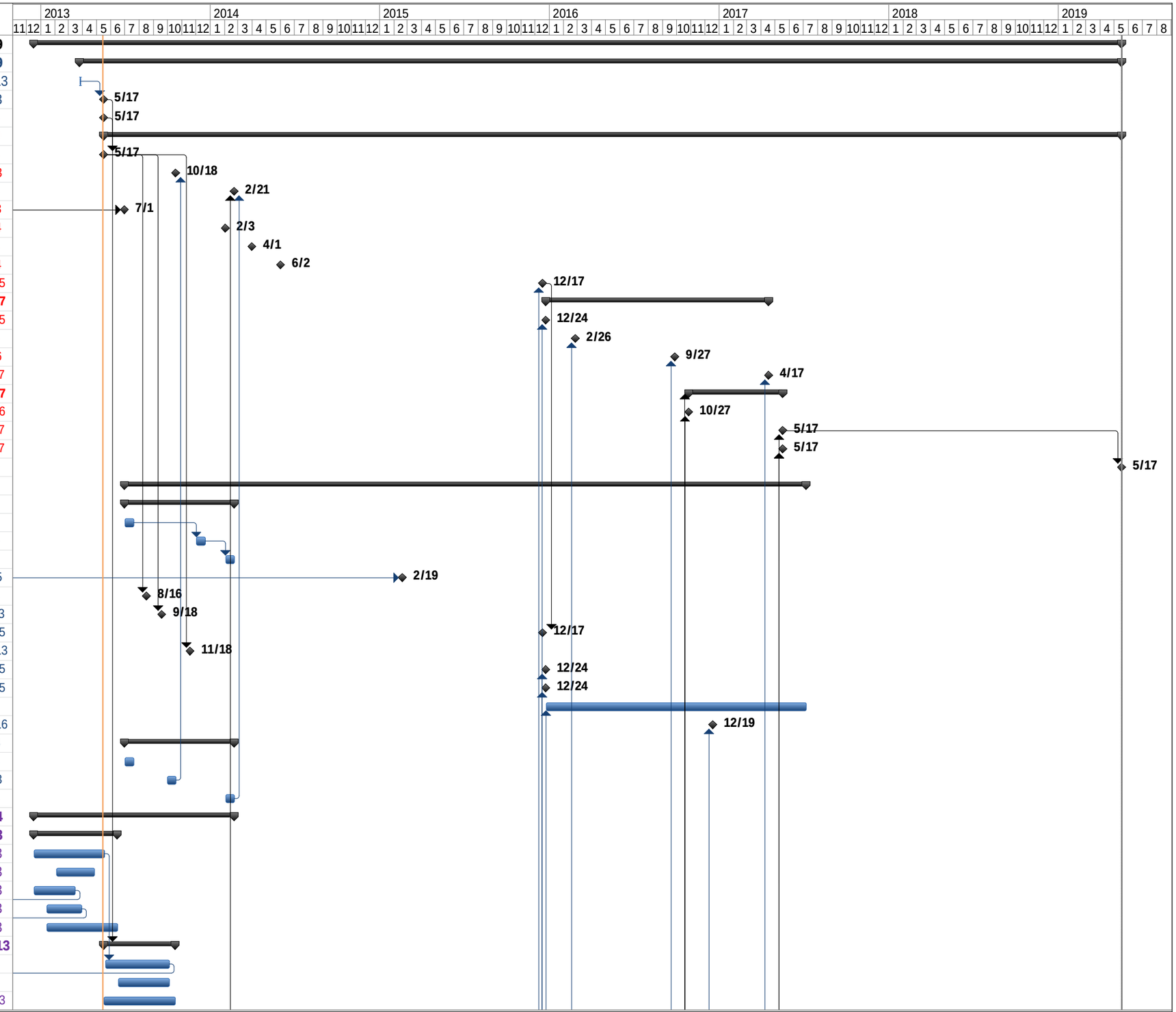
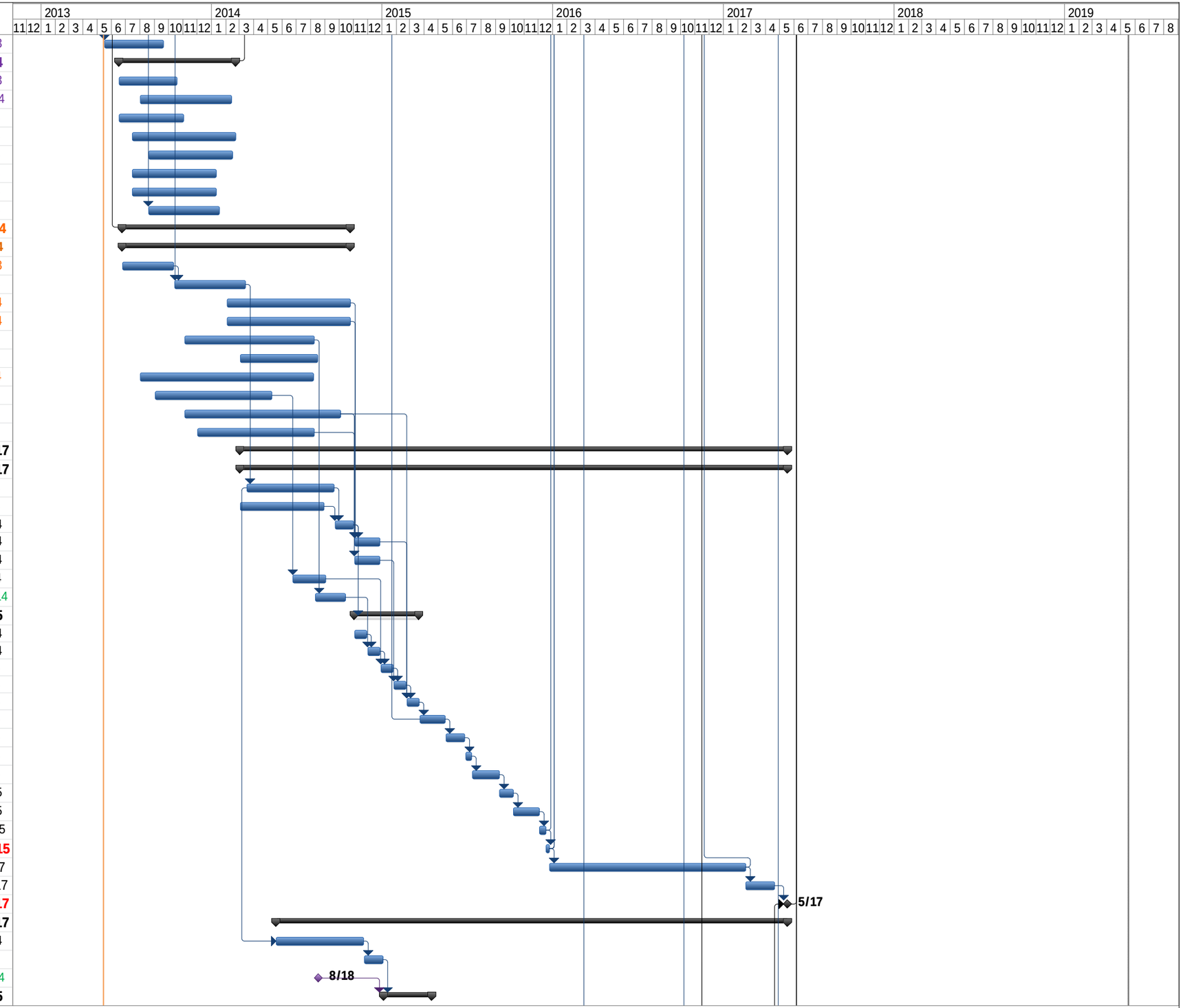
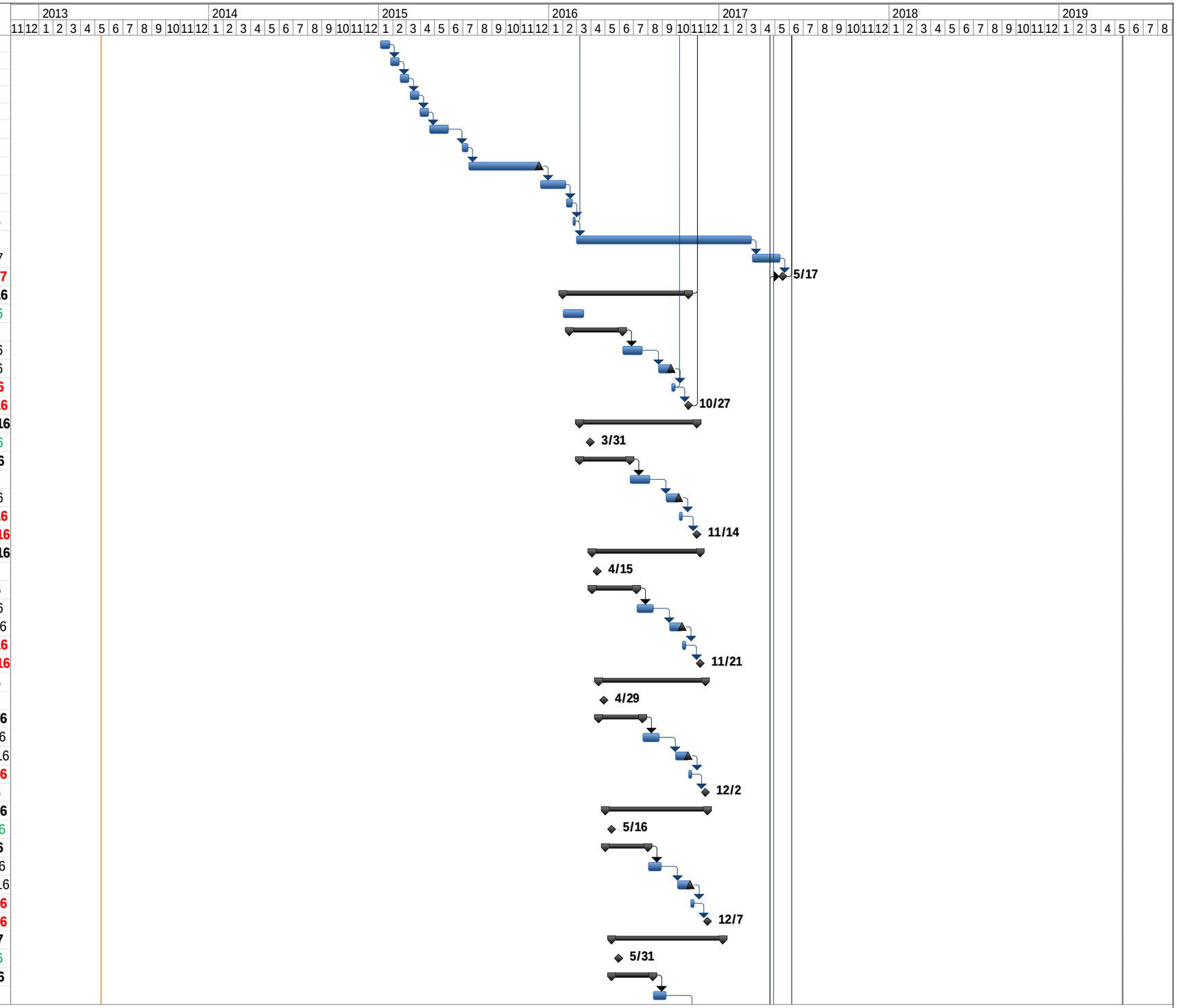
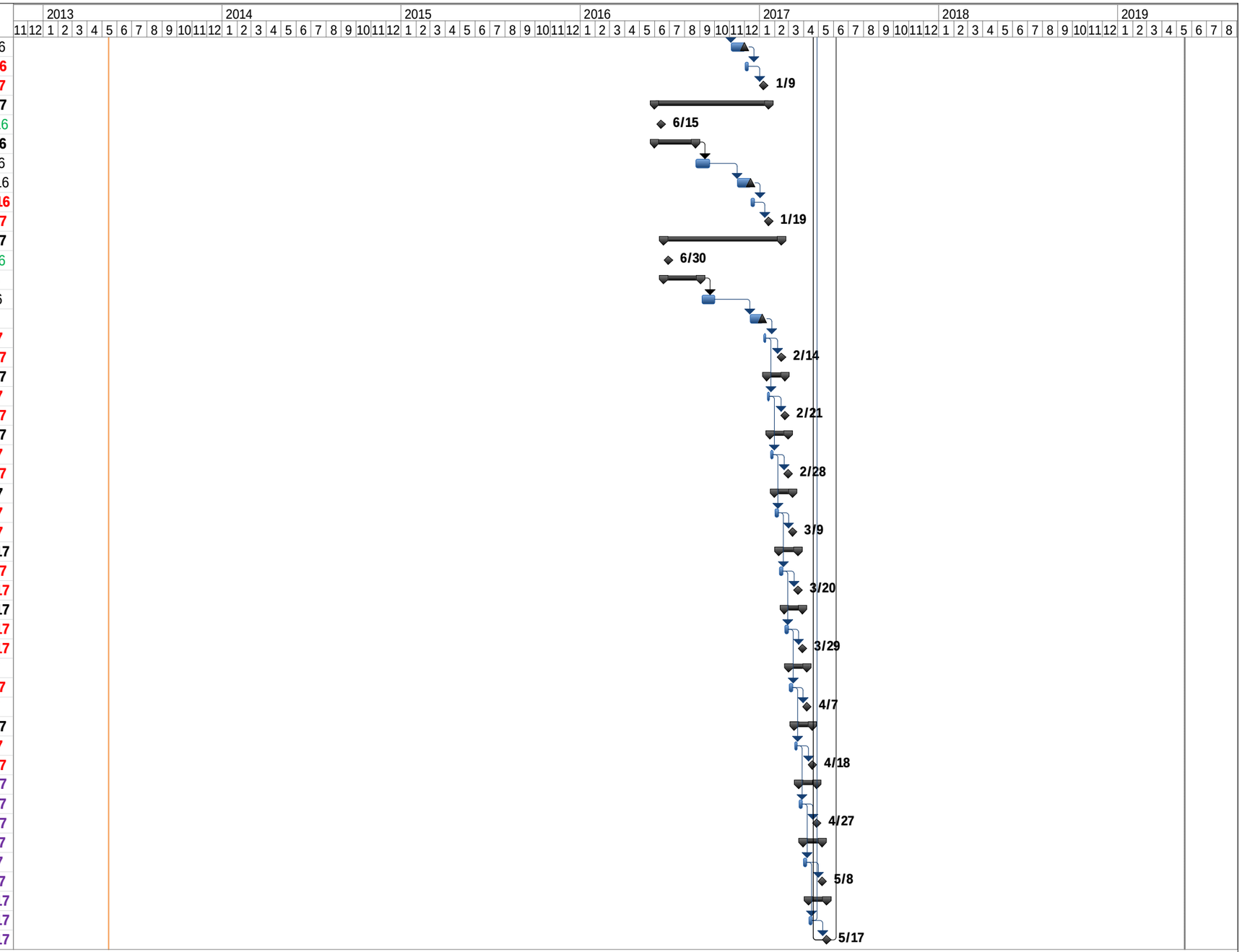
ID	Task Name	Start	Finish
1	**SCRRA/ Metrolink F125 Project**	**Mon 12/17/12**	**Fri 5/17/19**
2	**Commercial**	**Tue 3/26/13**	**Fri 5/17/19**
3	Settlement of Technical Details	Tue 3/26/13	Wed 3/27/13
4	All Critical Details Settled	Fri 5/17/13	Fri 5/17/13
5	Notice to Proceed	Fri 5/17/13	Fri 5/17/13
6	**Milestone Payments**	**Fri 5/17/13**	**Fri 5/17/19**
7	Contract Execution	Fri 5/17/13	Fri 5/17/13
8	Design Review Approved 50%	Fri 10/18/13	Fri 10/18/13
9	Final Design Review Approved	Fri 2/21/14	Fri 2/21/14
10	Order Parts & Material	Mon 7/1/13	Mon 7/1/13
11	Program Management Plan	Mon 2/3/14	Mon 2/3/14
12	System Saftety Program Plan	Tue 4/1/14	Tue 4/1/14
13	Reliability and Training Plan	Mon 6/2/14	Mon 6/2/14
14	Operations & Maintenance Manuals	Thu 12/17/15	Thu 12/17/15
15	**Conditional Acceptance**	**Thu 12/24/15**	**Mon 4/17/17**
16	Locomotive 1	Thu 12/24/15	Thu 12/24/15
17	Locomotive 2	Fri 2/26/16	Fri 2/26/16
18	Locomotive 3	Tue 9/27/16	Tue 9/27/16
19	Locomotive 20	Mon 4/17/17	Mon 4/17/17
20	**Final Acceptance**	**Thu 10/27/16**	**Wed 5/17/17**
21	Locomotive 3	Thu 10/27/16	Thu 10/27/16
22	Locomotive 20	Wed 5/17/17	Wed 5/17/17
23	Prototype locomotive 1 & 2	Wed 5/17/17	Wed 5/17/17
24	Conclusion of Warranty Term	Fri 5/17/19	Fri 5/17/19
25	**Other Commercial Deliverables**	**Mon 7/1/13**	**Thu 7/6/17**
26	**Cab Interior Mock-up**	**Mon 7/1/13**	**Fri 2/21/14**
27	3D Model review with Metrolink	Mon 7/1/13	Fri 7/19/13
28	Initial review (Valencia)	Mon 12/2/13	Fri 12/20/13
29	Final review (Valencia)	Mon 2/3/14	Fri 2/21/14
30	Submittal of Test Procedures	Thu 2/19/15	Thu 2/19/15
31	Prelim Clearance Drawings	Fri 8/16/13	Fri 8/16/13
32	Test Plan Submission	Wed 9/18/13	Wed 9/18/13
33	Recommended Spare Parts List	Thu 12/17/15	Thu 12/17/15
34	Master Plan and schedule for Manuals	Mon 11/18/13	Mon 11/18/13
35	Full set of drawings, schematics, specs	Thu 12/24/15	Thu 12/24/15
36	Photographs of unit 1	Thu 12/24/15	Thu 12/24/15
37	Locomotive History Book (serial records)	Fri 12/25/15	Thu 7/6/17
38	Training Outline	Mon 12/19/16	Mon 12/19/16
39	**Design Reviews**	**Mon 7/1/13**	**Fri 2/21/14**
40	Preliminary Design Review (CDR)	Mon 7/1/13	Fri 7/19/13
41	Intermediate Design Review (DDR)	Mon 9/30/13	Fri 10/18/13
42	Final Design Review (PIR)	Mon 2/3/14	Fri 2/21/14
43	**Design**	**Mon 12/17/12**	**Fri 2/21/14**
44	**Model Concept Definition**	**Mon 12/17/12**	**Fri 6/14/13**
45	Carbody Frame	Mon 12/17/12	Fri 5/17/13
46	Equipment Locations	Mon 2/4/13	Fri 4/26/13
47	Bogie Frame	Mon 12/17/12	Fri 3/15/13
48	Bogie Equipment	Mon 1/14/13	Fri 3/29/13
49	Locomotive Assembly	Mon 1/14/13	Fri 6/14/13
50	**Detailed Design - Structure**	**Fri 5/17/13**	**Thu 10/17/13**
51	Frame Structure and supports	Mon 5/20/13	Fri 10/4/13
52	Control Stand Structure	Mon 6/17/13	Fri 10/4/13
53	Hatch structures	Fri 5/17/13	Thu 10/17/13



ID	Task Name	Start	Finish
54	Bogie Structure	Fri 5/17/13	Thu 9/19/13
55	**Detailed Design - Equipment**	**Mon 6/17/13**	**Fri 2/21/14**
56	Mechanic and electric equipment on frame	Mon 6/17/13	Fri 10/18/13
57	Locomotive Wiring	Thu 8/1/13	Wed 2/12/14
58	Power plant	Mon 6/17/13	Fri 11/1/13
59	Cab equipment	Mon 7/15/13	Fri 2/21/14
60	Desk equipment	Mon 8/19/13	Fri 2/14/14
61	Hatch equipment	Mon 7/15/13	Fri 1/10/14
62	Cabinets and rack equipment	Mon 7/15/13	Fri 1/10/14
63	Bogie equipment	Mon 8/19/13	Fri 1/17/14
64	**Procurement - Loco 1 & 2**	**Mon 6/24/13**	**Fri 10/24/14**
65	**Vossloh Supply Agreement**	**Mon 6/24/13**	**Fri 10/24/14**
66	Carbody Raw Steel forecast	Mon 6/24/13	Fri 10/11/13
67	Cutting Steel	Mon 10/14/13	Fri 3/14/14
68	Axles & wheels	Mon 2/3/14	Fri 10/24/14
69	Brake Equipment	Mon 2/3/14	Fri 10/24/14
70	Engine Components	Mon 11/4/13	Fri 8/8/14
71	Alternator	Mon 3/3/14	Fri 8/15/14
72	HEP	Thu 8/1/13	Wed 8/6/14
73	Inverters	Mon 9/2/13	Fri 5/9/14
74	Traction Motor Long Lead Components	Mon 11/4/13	Fri 10/3/14
75	Cooling Fans/ Blowers/ DB Module	Mon 12/2/13	Fri 8/8/14
76	**Manufacturing**	**Mon 3/3/14**	**Wed 5/17/17**
77	**Loco #1 - Prototype**	**Mon 3/3/14**	**Wed 5/17/17**
78	Carbody Manufacturing	Mon 3/17/14	Fri 9/19/14
79	Bogie Frame Manufacturing	Mon 3/3/14	Fri 8/29/14
80	Ship Carbody + Bogie Frame from Valencia	Mon 9/22/14	Fri 10/31/14
81	Bogie Assembly	Mon 11/3/14	Fri 12/26/14
82	Hatch Assemblies	Mon 11/3/14	Fri 12/26/14
83	Locker Assembly	Tue 6/24/14	Mon 9/1/14
84	Prototype Engine Build	Mon 8/11/14	Mon 10/13/14
85	**Final Assembly Locomotive #1**	**Mon 11/3/14**	**Fri 3/20/15**
86	cabling/ piping	Mon 11/3/14	Fri 11/28/14
87	engine app	Mon 12/1/14	Fri 12/26/14
88	locker application	Mon 12/29/14	Fri 1/23/15
89	hatches	Mon 1/26/15	Fri 2/20/15
90	bogies	Mon 2/23/15	Fri 3/20/15
91	Initial Test & Paint	Mon 3/23/15	Fri 5/15/15
92	Validation Testing Muncie	Mon 5/18/15	Fri 6/26/15
93	Transit to LaGrange	Mon 6/29/15	Fri 7/10/15
94	Slow Speed Testing - LaGrange	Mon 7/13/15	Tue 9/8/15
95	Tier 4 Certification - LaGrange	Wed 9/9/15	Thu 10/8/15
96	Modifications and Cleanup	Fri 10/9/15	Thu 12/3/15
97	Transit to L.A.	Fri 12/4/15	Thu 12/17/15
98	**Conditional Acceptance**	Fri 12/18/15	**Thu 12/24/15**
99	Pilot Test on Customer Property	Fri 12/25/15	Thu 2/16/17
100	Upgrades to Production Design	Fri 2/17/17	Wed 4/19/17
101	**Final Acceptance**	Wed 5/17/17	**Wed 5/17/17**
102	**Loco #2 - Prototype**	**Mon 5/19/14**	**Wed 5/17/17**
103	Carbody Manufacturing	Mon 5/19/14	Fri 11/21/14
104	Ship Carbody + Bogie Frame from Valencia	Mon 11/24/14	Fri 1/2/15
105	Prototype Engine 2 Available	Mon 8/18/14	Mon 8/18/14
106	**Final Assembly Locomotive #2**	**Mon 1/5/15**	**Fri 4/17/15**



ID	Task Name	Start	Finish
107	cabling/ piping	Mon 1/5/15	Fri 1/23/15
108	engine app	Mon 1/26/15	Fri 2/13/15
109	locker app	Mon 2/16/15	Fri 3/6/15
110	hatches	Mon 3/9/15	Fri 3/27/15
111	bogies	Mon 3/30/15	Fri 4/17/15
112	Initial Test & Paint	Mon 4/20/15	Fri 5/29/15
113	Transit to Pueblo	Mon 6/29/15	Fri 7/10/15
114	High Speed & other Validation - Pueblo	Mon 7/13/15	Fri 12/11/15
115	Modifications and Cleanup	Mon 12/14/15	Fri 2/5/16
116	Transit to L.A.	Mon 2/8/16	Fri 2/19/16
117	**Conditional Acceptance**	Mon 2/22/16	**Fri 2/26/16**
118	Pilot Test on Customer Property	Mon 2/29/16	Fri 3/10/17
119	Upgrades to Production Design	Mon 3/13/17	Thu 5/11/17
120	**Final Acceptance**	Wed 5/17/17	**Wed 5/17/17**
121	**Loco #3**	**Mon 2/1/16**	**Thu 10/27/16**
122	Pilot Engine 1 Build	Mon 2/1/16	Tue 3/15/16
123	**Final Assembly Locomotive #3**	**Mon 2/15/16**	Tue 6/7/16
129	In-Plant Test Locomotive #3	Wed 6/8/16	Tue 7/19/16
130	Delivery of Locomotive #3	Wed 8/24/16	Tue 9/20/16
131	**Conditional Acceptance**	Wed 9/21/16	**Tue 9/27/16**
132	**Final Acceptance**	Thu 10/27/16	**Thu 10/27/16**
133	**Loco #4**	Tue 3/8/16	**Mon 11/14/16**
134	Pilot Engine 2 Available	Thu 3/31/16	Thu 3/31/16
135	**Final Assembly Locomotive #4**	**Tue 3/8/16**	**Thu 6/23/16**
141	In-Plant Test Locomotive #4	Fri 6/24/16	Thu 8/4/16
142	Delivery of Locomotive #4	Fri 9/9/16	Thu 10/6/16
143	**Conditional Acceptance**	Fri 10/7/16	**Thu 10/13/16**
144	**Final Acceptance**	Mon 11/14/16	**Mon 11/14/16**
145	**Loco #5**	Mon 4/4/16	**Mon 11/21/16**
146	Pilot Engine 3 Available	Fri 4/15/16	Fri 4/15/16
147	**Final Assembly Locomotive #5**	**Mon 4/4/16**	**Thu 7/7/16**
153	In-Plant Test Locomotive #5	Fri 7/8/16	Thu 8/11/16
154	Delivery of Locomotives #5	Fri 9/16/16	Thu 10/13/16
155	**Conditional Acceptance**	Fri 10/14/16	**Thu 10/20/16**
156	**Final Acceptance**	Mon 11/21/16	**Mon 11/21/16**
157	**Loco #6**	Mon 4/18/16	**Fri 12/2/16**
158	Pilot Engine 4 Available	Fri 4/29/16	Fri 4/29/16
159	**Final Assembly Locomotive #6**	**Mon 4/18/16**	**Wed 7/20/16**
165	In-Plant Test Locomotive #6	Thu 7/21/16	Wed 8/24/16
166	Delivery of Locomotives #6	Thu 9/29/16	Wed 10/26/16
167	**Conditional Acceptance**	Thu 10/27/16	**Wed 11/2/16**
168	**Final Acceptance**	Fri 12/2/16	**Fri 12/2/16**
169	**Loco #7**	Mon 5/2/16	**Wed 12/7/16**
170	Pilot Engine 5 Available	Mon 5/16/16	Mon 5/16/16
171	**Final Assembly Locomotive #7**	**Mon 5/2/16**	**Mon 8/1/16**
177	In-Plant Test Locomotive #7	Tue 8/2/16	Mon 8/29/16
178	Delivery of Locomotives #7	Tue 10/4/16	Mon 10/31/16
179	**Conditional Acceptance**	Tue 11/1/16	**Mon 11/7/16**
180	**Final Acceptance**	Wed 12/7/16	**Wed 12/7/16**
181	**Loco #8**	Mon 5/16/16	**Mon 1/9/17**
182	Pilot Engine 6 Available	Tue 5/31/16	Tue 5/31/16
183	**Final Assembly Locomotive #8**	**Mon 5/16/16**	**Thu 8/11/16**
189	In-Plant Test Locomotive #8	Fri 8/12/16	Thu 9/8/16



ID	Task Name	Start	Finish
190	Delivery of Locomotives #8	Fri 11/4/16	Thu 12/1/16
191	**Conditional Acceptance**	Fri 12/2/16	**Thu 12/8/16**
192	**Final Acceptance**	Mon 1/9/17	**Mon 1/9/17**
193	**Loco #9**	Wed 6/1/16	**Thu 1/19/17**
194	Pilot Engine 7 Available	Wed 6/15/16	Wed 6/15/16
195	**Final Assembly Locomotive #9**	**Wed 6/1/16**	**Tue 8/23/16**
201	In-Plant Test Locomotive #9	Wed 8/24/16	Tue 9/20/16
202	Delivery of Locomotives #9	Wed 11/16/16	Tue 12/13/16
203	**Conditional Acceptance**	Wed 12/14/16	**Tue 12/20/16**
204	**Final Acceptance**	Thu 1/19/17	**Thu 1/19/17**
205	**Loco #10**	Mon 6/20/16	**Tue 2/14/17**
206	Pilot Engine 8 Available	Thu 6/30/16	Thu 6/30/16
207	**Final Assembly Locomotive #10**	**Mon 6/20/16**	**Fri 9/2/16**
213	In-Plant Test Locomotive #10	Mon 9/5/16	Fri 9/30/16
214	Delivery of Locomotives #10	Mon 12/12/16	Fri 1/6/17
215	**Conditional Acceptance**	Mon 1/9/17	**Fri 1/13/17**
216	**Final Acceptance**	Tue 2/14/17	**Tue 2/14/17**
217	**Loco #11**	**Mon 1/16/17**	**Tue 2/21/17**
218	**Conditional Acceptance**	Mon 1/16/17	**Fri 1/20/17**
219	**Final Acceptance**	Tue 2/21/17	**Tue 2/21/17**
220	**Loco #12**	**Mon 1/23/17**	**Tue 2/28/17**
221	**Conditional Acceptance**	Mon 1/23/17	**Fri 1/27/17**
222	**Final Acceptance**	Tue 2/28/17	**Tue 2/28/17**
223	**Loco #13**	**Wed 2/1/17**	**Thu 3/9/17**
224	**Conditional Acceptance**	Wed 2/1/17	**Tue 2/7/17**
225	**Final Acceptance**	Thu 3/9/17	**Thu 3/9/17**
226	**Loco #14**	**Fri 2/10/17**	**Mon 3/20/17**
227	**Conditional Acceptance**	Fri 2/10/17	**Thu 2/16/17**
228	**Final Acceptance**	Mon 3/20/17	**Mon 3/20/17**
229	**Loco #15**	**Tue 2/21/17**	**Wed 3/29/17**
230	**Conditional Acceptance**	Tue 2/21/17	**Mon 2/27/17**
231	**Final Acceptance**	Wed 3/29/17	**Wed 3/29/17**
232	**Loco #16**	**Thu 3/2/17**	**Fri 4/7/17**
233	**Conditional Acceptance**	Thu 3/2/17	**Wed 3/8/17**
234	**Final Acceptance**	Fri 4/7/17	**Fri 4/7/17**
235	**Loco #17**	**Mon 3/13/17**	**Tue 4/18/17**
236	**Conditional Acceptance**	Mon 3/13/17	**Fri 3/17/17**
237	**Final Acceptance**	Tue 4/18/17	**Tue 4/18/17**
238	**Loco #18 (projected)**	**Wed 3/22/17**	**Thu 4/27/17**
239	**Conditional Acceptance**	**Wed 3/22/17**	**Tue 3/28/17**
240	**Final Acceptance**	**Thu 4/27/17**	**Thu 4/27/17**
241	**Loco #19 (projected)**	**Fri 3/31/17**	**Mon 5/8/17**
242	**Conditional Acceptance**	**Fri 3/31/17**	**Thu 4/6/17**
243	**Final Acceptance**	**Mon 5/8/17**	**Mon 5/8/17**
244	**Loco #20 (projected)**	**Tue 4/11/17**	**Wed 5/17/17**
245	**Conditional Acceptance**	**Tue 4/11/17**	**Mon 4/17/17**
246	**Final Acceptance**	**Wed 5/17/17**	**Wed 5/17/17**