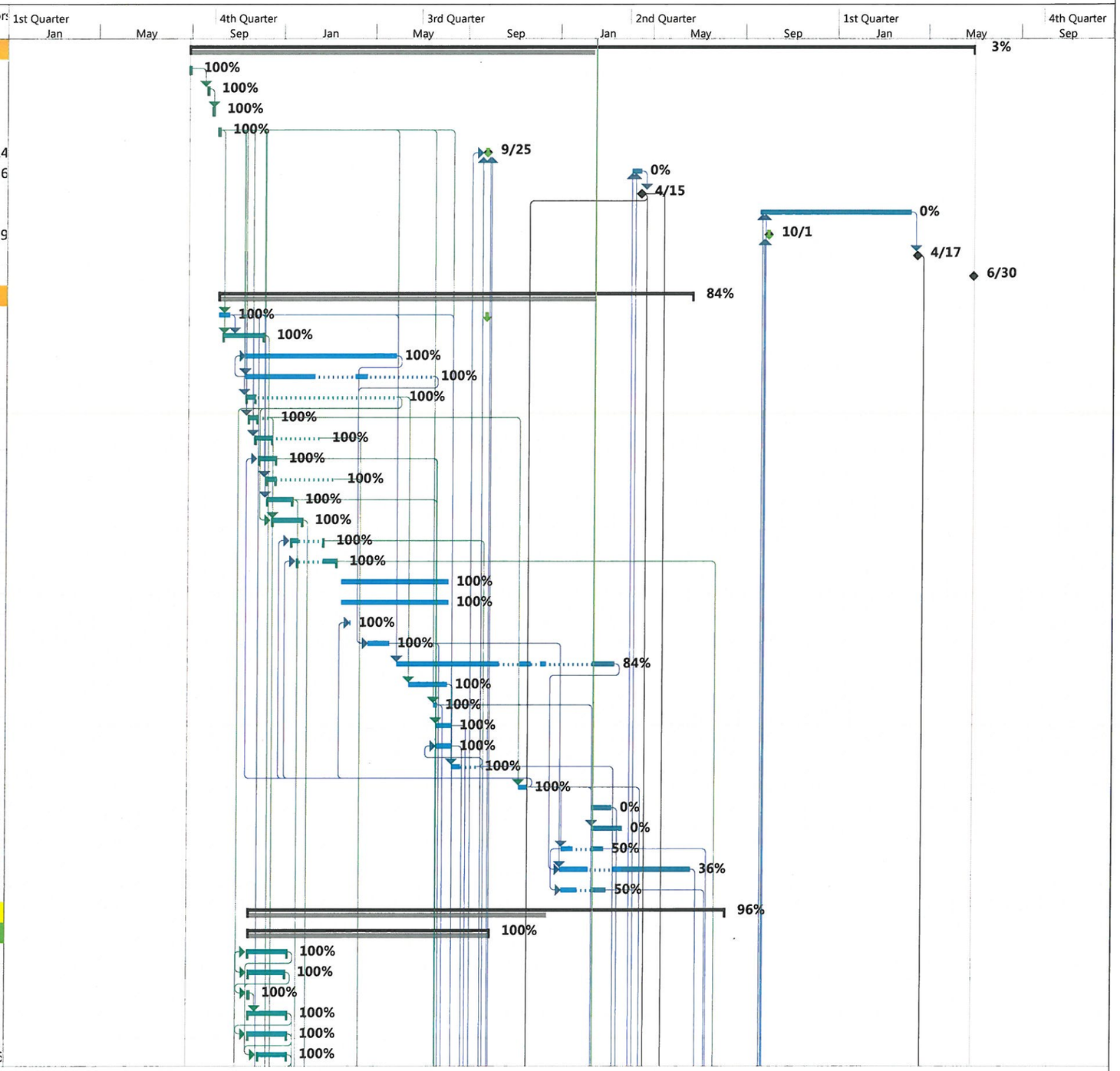
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		**Administrative**	**716 days**	**8/29/14**	**6/30/17**	
2	✓	Bid Letting	1 day	8/29/14	8/29/14	
3	✓	Project Award	1 day	9/22/14	9/22/14	2
4	✓	Preconstruction Meeting	1 day	9/29/14	9/29/14	3
5	✓	Notice to Proceed	1 day	10/7/14	10/7/14	
8	✓	Interim Completion BRF3000 (16)	0 days	9/25/15	9/25/15	229,227,14
6		2015-2016 Winter Shut Down	10 days	4/4/16	4/15/16	250,290,36
7		2016 Startup	0 days	4/15/16	4/15/16	6
9		2016-2017 Winter Shut Down	139 days	9/21/16	4/7/17	443,456
12		Interim Completion BRF3000 (19)	0 days	10/1/16	10/1/16	395,396,39
11		2017 Startup	0 days	4/17/17	4/17/17	9
10		Project Completion	0 days	6/30/17	6/30/17	
13		**Submittals**	**431 days**	**10/8/14**	**6/23/16**	
34	✓	Set-up Engineer's Office	10 days	10/8/14	10/21/14	5
36	✓	CPM Schedule	37 days	10/14/14	12/5/14	5,34
29	✓	Paint Submittal River St Bridge	136 days	11/12/14	5/29/15	35SS
35	✓	Girder Shops	72 days	11/12/14	7/16/15	5,34
41	✓	EPSC Plan River Street	7.5 days	11/14/14	5/29/15	5,34
42	✓	Traffic Control Plan River Street	7.5 days	11/17/14	12/11/14	5,34
16	✓	Drilled Shaft Submittal	15 days	11/26/14	2/17/15	5,34
23	✓	Bearing Submittal	16 days	12/1/14	12/22/14	15
17	✓	Lighting Plan	7.5 days	12/11/14	3/9/15	5,34
40	✓	Cofferdam Design River St	19 days	12/12/14	1/13/15	5,34
38	✓	Wave Equation Analysis	23 days	12/19/14	1/26/15	41,42
24	✓	Guardrail Approach Section Submittal	7.5 days	1/13/15	2/23/15	15
22	✓	Expansion Joint Submittal	15 days	1/21/15	3/13/15	15
25	✓	Waterline Submittal River St	99 days	3/20/15	8/7/15	
26	✓	Sewer System Submittal River St	99 days	3/20/15	8/7/15	
18	✓	Concrete Mix Designs	1 day	3/31/15	3/31/15	15
39	✓	Fabricate Girders	20 days	4/24/15	5/21/15	35,29
30		Truss Design	131 days	6/1/15	3/14/16	5,34
14	✓	EPSC Plan Ripley Road	36 days	6/17/15	8/6/15	41
19	✓	Erection Plan - River Street	5 days	7/20/15	7/24/15	5
32	✓	Cofferdam Design Ripley St	15 days	7/23/15	8/12/15	40
33	✓	Causeway Design Ripley St	15 days	7/23/15	8/12/15	37
37	✓	Causeway Design River St	7.5 days	8/13/15	9/15/15	5,34
15	✓	Traffic Control Plan Ripley Road	9 days	11/10/15	11/20/15	42
20		Demo Plan - River Street	20 days	2/15/16	3/11/16	
21		Erection Plan - Ripley Road	30 days	2/15/16	3/25/16	19
27		Sewer on Bridge Submittal Ripley	23 days	1/6/16	3/1/16	15
31		Fabricate Trusses	100 days	1/4/16	6/23/16	30,39
28		Water on Bridge Submittal Ripley	30 days	1/6/16	3/4/16	27SS
43		**BRF 3000 (16) River Street**	**432.5 days**	**11/19/14**	**8/9/16**	
163	✓	**River Street Start-up**	**219 days**	**11/19/14**	**10/2/15**	
164	✓	Mob. Equipment	32 days	11/19/14	1/9/15	170
165	✓	Install Silt Fence	28 days	11/20/14	1/6/15	41
166	✓	Install Silt Fence Reinforced	1 day	11/20/14	11/20/14	165
167	✓	Install barrier Fence	31 days	11/20/14	1/9/15	166
168	✓	Install Project Demarcation Fence	31 days	11/20/14	1/9/15	167
169	✓	Clear & Grub	24 days	12/3/14	1/9/15	164,165,16



Vermont Agency of Transportation
Bridge Project City of Rutland
BRF 3000 (16 & 19)

Critical	Split	Finish-only	Baseline Milestone	Manual Summary	Inactive Task
Critical Split	Task Progress	Duration-only	Milestone	Project Summary	Inactive Milestone
Critical Progress	Manual Task	Baseline	Summary Progress	External Tasks	Inactive Summary
Task	Start-only	Baseline Split	Summary	External Milestone	Deadline

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
170		Construction Signs	1 day	12/3/14	12/3/14	34,42,36
171		Detour Dorr Road Traffic	1 day	1/5/15	1/5/15	40,167,237
172		Remove Dorr Road Detour	1 day	10/2/15	10/2/15	149,130
173		**River Street Substructure**	**226 days**	**11/21/14**	**10/15/15**	
174		**River Street Pier**	**226 days**	**11/21/14**	**10/15/15**	
175		Access for Drill Equipment	30 days	11/21/14	1/9/15	169
176		Mob. Drilling Equipment	11 days	1/5/15	1/19/15	175
177		Drive Temp. Casing	29.5 days	4/13/15	5/22/15	176,16,17
178		Clean Out Casing/Drilling	26.5 days	4/16/15	5/22/15	177
179		Obstruction Drilling	22.5 days	4/22/15	5/22/15	178
180		Set Reinforcing & Pour Shaft	3 days	5/28/15	6/1/15	179
181		CSL Testing	14 days	6/5/15	6/24/15	180
182		Form Pier Hammerhead	3 days	6/25/15	7/14/15	181
183		Install Pier Reinforcing	0.75 days	6/29/15	7/14/15	182
184		Pour Pier Hammerhead	1 day	7/15/15	7/15/15	183
185		Cure Pier Hammerhead	7 days	7/16/15	7/22/15	184
188		Place Stone Fill	5 days	7/22/15	7/29/15	184,185
187		Set Bearings	1 day	7/23/15	7/23/15	185,23
186		Apply Water Repellant	8 days	10/6/15	10/15/15	185
189		**River Street Abutment 1**	**201 days**	**1/5/15**	**10/15/15**	
193		Exc. Cofferdam Rock	77 days	1/5/15	4/21/15	191
190		Drive Sheeting for Cofferdam	45.75 days	1/12/15	3/20/15	40,171
191		Install Cofferdam Bracing	7.25 days	3/23/15	3/30/15	190
192		Exc. Cofferdam Earth	16 days	3/31/15	4/21/15	193
196		Drive Test Pile	1 day	4/22/15	4/22/15	
198		Dynamic Pile Load Test	4.75 days	4/22/15	4/27/15	
197		Drive Piles	5 days	4/23/15	5/11/15	
194		Tremie Seal Cofferdam	1 day	5/13/15	5/13/15	197
195		Dewater Cofferdam	2.25 days	5/18/15	5/19/15	194
199		Cut-Off Piles	1 day	5/20/15	5/20/15	195
200		Form Abutment Footing	6 days	5/28/15	6/3/15	199
201		Rebar for Abutment Footing	3.5 days	6/1/15	6/3/15	200
202		Pour Abutment Footing	1 day	6/4/15	6/4/15	201
203		Cure Abutment Footing	7 days	6/4/15	6/12/15	202
204		Form 1 Seat/WW	6.13 days	6/8/15	6/20/15	202
206		Rebar 1 Seat/WW	6 days	6/8/15	6/12/15	204
207		Pour 1 Seat/WW	1 day	6/15/15	6/15/15	206
208		Cure 1 Seat/WW	7 days	6/15/15	6/23/15	207
225		Backfill Abutment	29.75 days	6/22/15	7/24/15	215,224
226		Remove Cofferdam Bracing	1.13 days	6/26/15	6/27/15	225
212		Form 3 Seat/WW	7.25 days	6/29/15	7/7/15	202
213		Rebar 3 Seat/WW	3.5 days	7/1/15	7/7/15	212
205		Cure Pour 3 Seat/WW	7 days	7/8/15	7/15/15	214
209		Form 2 Seat/WW	3.5 days	7/8/15	7/10/15	207,214
210		Rebar 2 Seat/WW	3.5 days	7/8/15	7/10/15	209
214		Pour 3 Seat/WW	1 day	7/8/15	7/8/15	213
215		Cure Pour 2	7 days	7/11/15	7/20/15	211
211		Pour 2 Seat/WW	0 days	7/11/15	7/11/15	210
227		Pull Cofferdam Sheeting	4.75 days	7/16/15	7/21/15	226,215
230		Grubbing Material	2 days	7/20/15	7/21/15	229

Vermont Agency of Transportation
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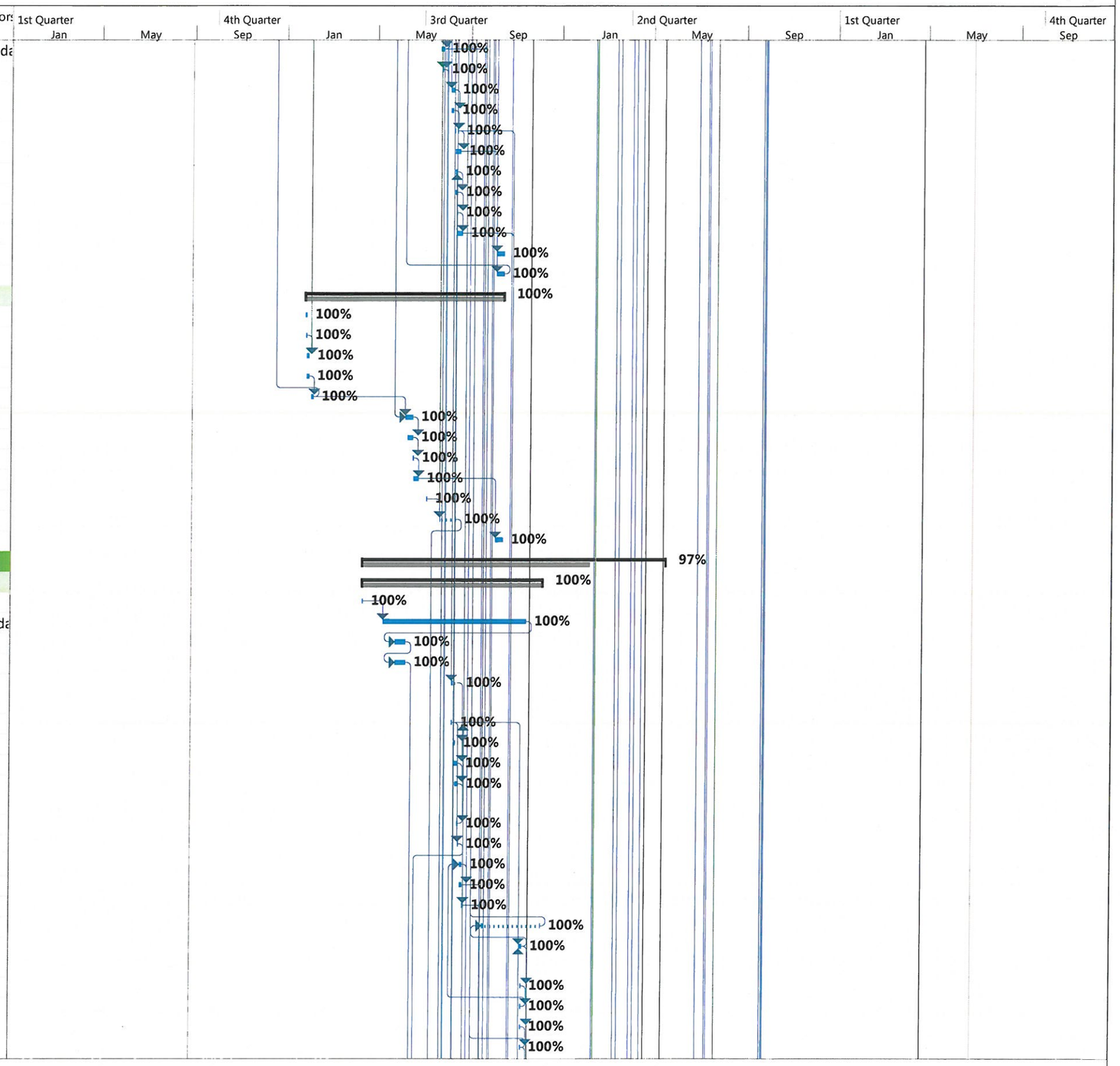
Critical
Critical Split
Critical Progress
Task
Split
Task Progress
Manual Task
Start-only
Finish-only
Duration-only
Baseline
Baseline Split
Baseline Milestone
Milestone
Summary Progress
Summary
Manual Summary
Project Summary
External Tasks
External Milestone
Inactive Task
Inactive Milestone
Inactive Summary
Deadline

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
229		Place Stone Fill	3 days	7/22/15	7/25/15	227FS+2 da
228		Set Bearings	1 day	7/24/15	7/24/15	227,23
216		Form WW Tops	3 days	8/5/15	8/8/15	227
217		Rebar WW Tops	3 days	8/5/15	8/7/15	216
218		Pour WW Tops	1 day	8/10/15	8/14/15	217
219		Cure WW Tops	7 days	8/11/15	8/17/15	218
221		Form Backwall	2 days	8/11/15	8/12/15	45
222		Rebar Backwall	2 days	8/11/15	8/13/15	221
223		Pour Backwall	1 day	8/13/15	8/13/15	222
231		Cure Backwall	7 days	8/14/15	8/20/15	223
220		Apply Water Repellant WW's	8 days	10/6/15	10/15/15	219
224		Apply Water Repellant Stem	9.75 days	10/6/15	10/15/15	215
232		**River Steet Abutment 2**	**186 days**	**1/26/15**	**10/15/15**	
233		Excavate for Abutment 2	2 days	1/26/15	1/27/15	
234		Mob. Equipment for Pile Driving	1 day	1/27/15	1/27/15	
235		Drive Test Pile	3 days	1/28/15	1/30/15	234,38
236		Dynamic Pile Load Test	3 days	1/28/15	1/30/15	
237		Drive Production Piles	3 days	2/3/15	2/5/15	236
238		Form Abutment Seat	8 days	6/8/15	6/17/15	237,184
239		Rebar for Abutment Seat	5 days	6/11/15	6/17/15	238
240		Pour Abutment Seat	1 day	6/18/15	6/18/15	239
241		Cure Abutment Seat	7 days	6/19/15	6/25/15	240
244		Backfill Abutment 2	1 day	7/6/15	7/6/15	
243		Set Bearings	1 day	7/24/15	8/14/15	244,23
242		Apply Water Repellant	8 days	10/6/15	10/15/15	241
81		**River Street Utilities/Roadwork**	**279.5 days**	**4/13/15**	**5/19/16**	
82		**River Street Sewer**	**166.45 days**	**4/13/15**	**12/8/15**	
86		Notify Start of Sewer Work	1 day	4/13/15	4/13/15	
94		Rehab Manhole River St	133 days	5/11/15	11/16/15	86FS+10 da
95		10" SDR35 River St	10 days	5/27/15	6/9/15	94
96		4' Dia. Sanitary MH & Test-River	10 days	5/27/15	6/9/15	95
88		10" DIP Sewer Dorr Rd/Bypass Pump	1.75 days	8/10/15	8/17/15	227
93		Rehab Manhole at N. Dorr	1 day	8/10/15	8/10/15	92
89		6" SDR35 Sewer Service	1 day	8/14/15	8/14/15	88
90		4' Dia. Sanitary MH & Test	2 days	8/14/15	8/17/15	88
91		10" SDR35 Sewer Dorr Rd/ Bypass Pump	2 days	8/15/15	8/18/15	90
92		4' Dia. Sanitary MH & Test	1 day	8/18/15	8/18/15	91
87		Rehab Manhole at Pump Station	1 day	8/19/15	8/19/15	93
83		12" C900 Sewer Overflow	1 day	8/22/15	8/24/15	100
85		Flapper Valve and Headwall	1 day	8/22/15	8/24/15	83
97		6" DI Sewer Force Main	2 days	8/25/15	8/26/15	87
103		Pump Station Modifications	3 days	9/21/15	12/8/15	98
98		Bypass Pump for Force Main Tie in	4 days	11/10/15	11/13/15	58,93
99		Emergency Backup Port	1 day	11/12/15	11/12/15	98
100		Emerg. BU Port Valves	1 day	11/12/15	11/12/15	99
101		6" Valves in Dry Well	1 day	11/12/15	11/12/15	98
102		6" Swing Check Valve in Dry Well	1 day	11/12/15	11/12/15	101



Vermont Agency of Transportation
Bridge Project City of Rutland
BRF 3000 (16 & 19)

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Critical Split	Task Progress	Duration-only	Milestone	Project Summary	Inactive Milestone
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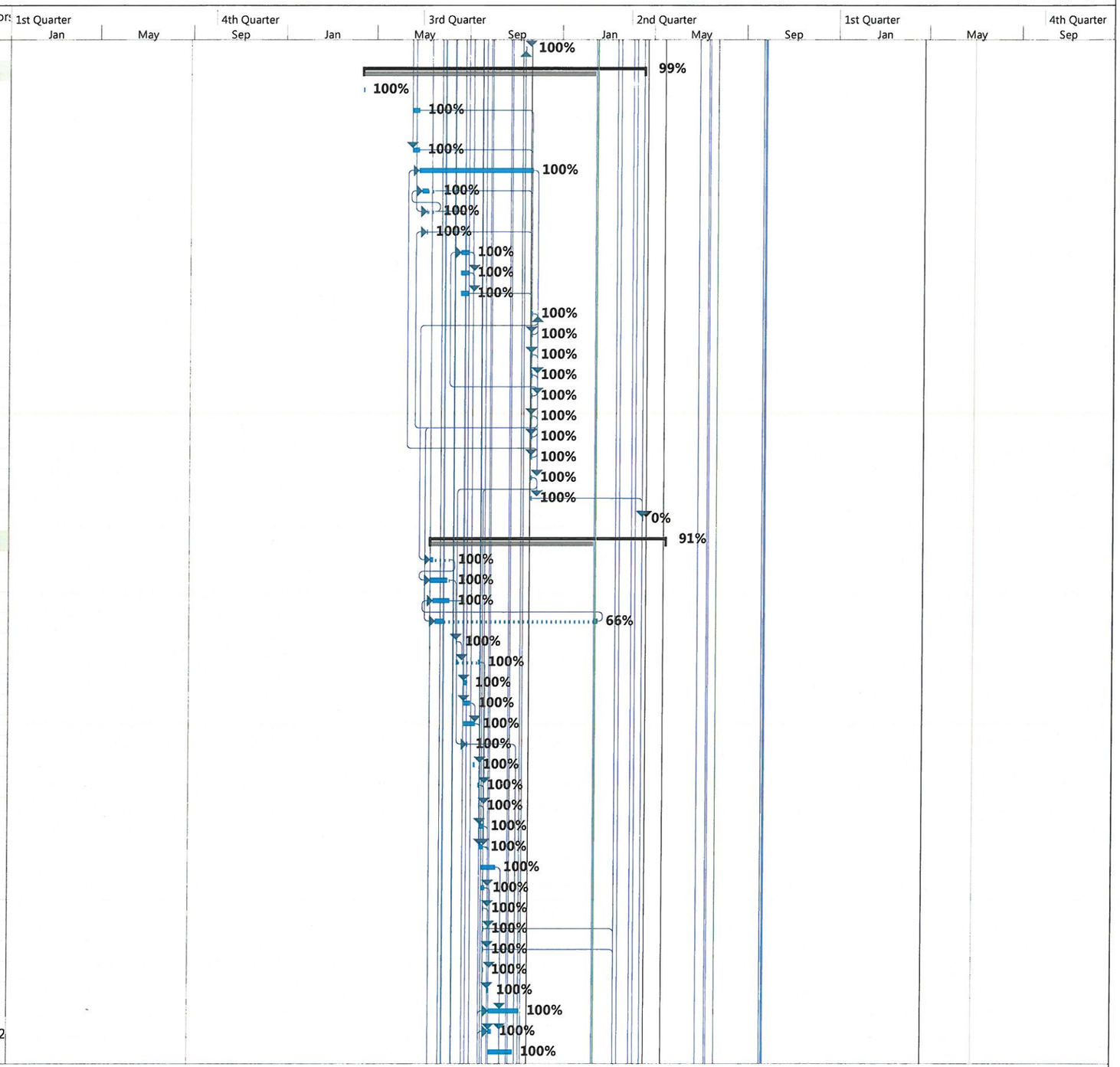
Task	Start-only	Baseline Split	Summary	External Milestone	Deadline

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
84		Test Sanitary Sewer	1 day	11/13/15	11/13/15	102,58
104		**River Street Water**	**257 days**	**4/13/15**	**4/18/16**	
108		Notify Start of Water Work	1 day	4/13/15	4/13/15	
107		10" Waterline on River Street West	7 days	6/17/15	6/25/15	
118		10" DI Waterline on River St East	7 days	6/17/15	6/25/15	96
122		2" Copper Water Service	105 days	6/26/15	11/23/15	121
109		10" DI Waterline on Dorr Rd	5 days	6/30/15	7/16/15	110
110		10" Gate Valve on Dorr Rd	0.6 days	7/6/15	7/16/15	87
120		6" Gate Valve	1 day	7/6/15	7/6/15	119
114		1" Corp Stops	7 days	8/21/15	8/31/15	113
115		1" Copper Water Service	7 days	8/21/15	8/31/15	114
116		1" Curb Stop	7 days	8/21/15	8/31/15	115
105		Test River St Waterline West	1 day	11/23/15	11/23/15	106
106		10" Gate Valve on River St	1 day	11/23/15	11/23/15	107
111		Install Hydrant	1 day	11/23/15	11/23/15	109
112		6" DI Waterline	1 day	11/23/15	11/23/15	111
113		6" Hydrant Valve	1 day	11/23/15	11/23/15	112
117		Test Dorr Rd Waterline	1 day	11/23/15	11/23/15	116
119		10" Gate Valve on River St	1 day	11/23/15	11/23/15	118
121		2" Corp. Stop	1 day	11/23/15	11/23/15	120
123		2" Curb Stop	1 day	11/23/15	11/23/15	122
124		Test River St Waterline East	1 day	11/23/15	11/23/15	123
125		Tie-in Waterline on River Street	1 day	4/18/16	4/18/16	124,7
126		**River Street Roadwork**	**216.5 days**	**7/13/15**	**5/19/16**	
140		Sand Borrow River St	4 days	7/13/15	8/7/15	105
141		Subbase River St	17 days	7/13/15	8/7/15	140
133		Excavate/Fill for Road Recon	16 days	7/17/15	8/7/15	128
128		18" CPEP Culverts	12.99 days	7/20/15	2/19/16	117
142		Curb on River Street	1 day	8/17/15	8/17/15	141
144		5" Sidewalk	4.25 days	8/17/15	9/17/15	142
129		Excavate for Stone Wall	2 days	8/28/15	8/31/15	110
134		Place Sand Borrow Dorr Rd	6 days	8/28/15	9/4/15	133
135		Place Subbase Dorr Rd	10 days	8/28/15	9/11/15	134
131		2" Conduit to Pump Station	1 day	9/1/15	9/1/15	123
136		Curb on Dorr Rd	2 days	9/10/15	9/11/15	135
146		Detectable Warning Surface	0.5 days	9/16/15	9/17/15	144
145		8" Sidewalk	0.5 days	9/17/15	9/17/15	146
139		Pave Base & Binder Dorr Rd	2 days	9/19/15	9/22/15	135
147		Pave Base & Binder River St	2 days	9/19/15	9/22/15	97,145
127		Stone Wall South of Sta 499+00	15 days	9/21/15	10/9/15	
160		Backup Shoulder Dorr Rd	4 days	9/22/15	9/25/15	139
148		Backup Shoulder River St	0.5 days	9/24/15	9/24/15	147
149		Box Beam Guiderail River St	1 day	9/24/15	9/24/15	148
159		Temp. Pavement Marking	1 day	9/24/15	9/24/15	139,147
161		Box Beam Guiderail Dorr	1 day	9/24/15	9/24/15	160
152		Traffic Signs	2 days	9/30/15	10/1/15	147
150		Ornamental Gate	28 days	10/2/15	11/10/15	130,127
153		Topsoil	2 days	10/2/15	10/5/15	147,130,12
154		Seed, Winter Rye	22 days	10/2/15	11/2/15	



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Bridge Project City of Rutland
BRF 3000 (16 & 19)

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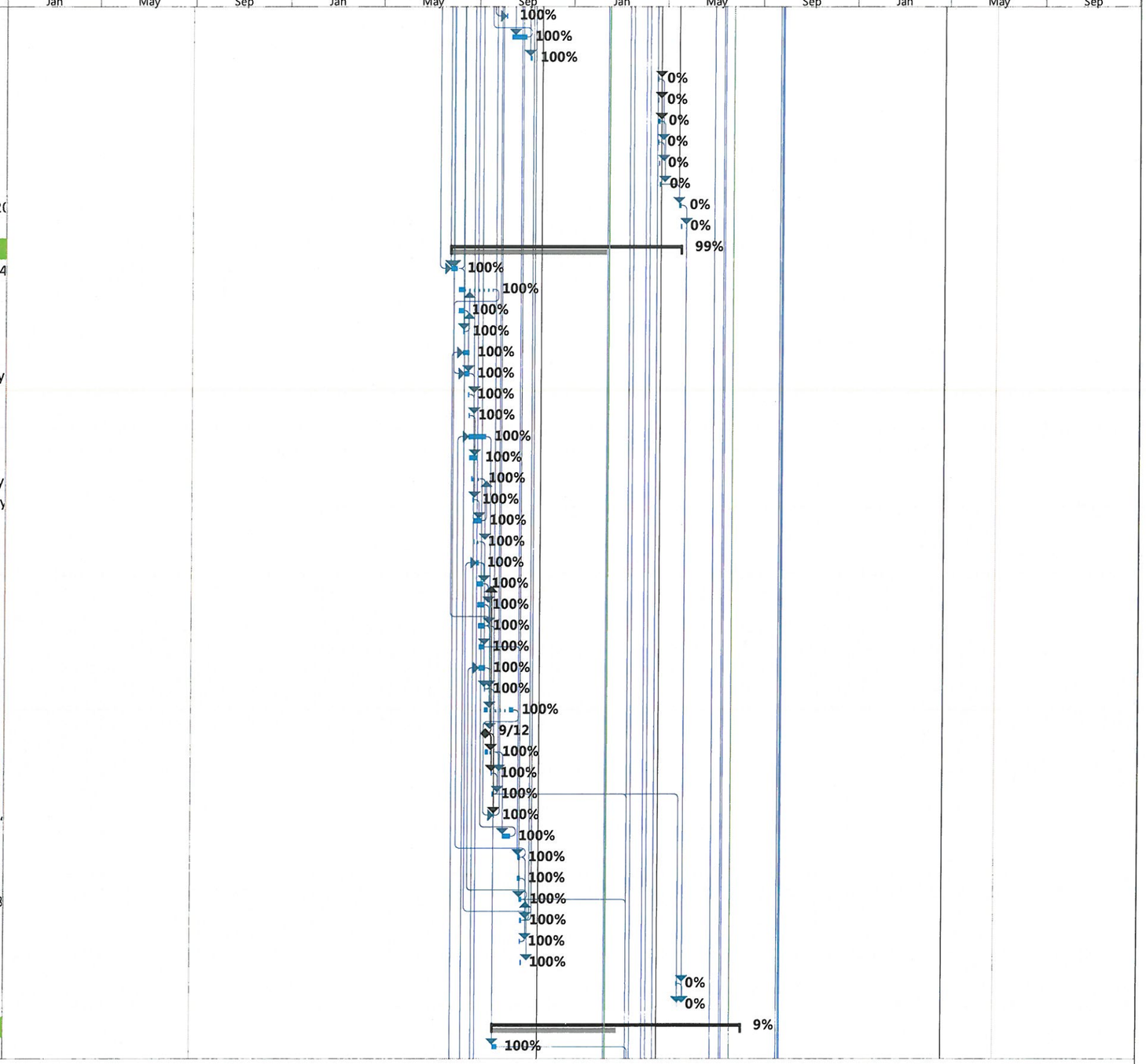
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
132		Relocate Mailbox	1 day	10/5/15	10/5/15	123
130		Stone Wall North of Sta 499+00	15 days	10/12/15	10/30/15	127
162		Power Drop Stanchion	2 days	11/5/15	11/6/15	131
137		Manhole Covers Dorr Rd	1 day	4/18/16	4/18/16	7
151		Deciduous Trees	1 day	4/18/16	4/18/16	7
155		Chain Link Fence	3 days	4/18/16	4/20/16	7
143		Manhole Covers River St	0.75 days	4/19/16	4/19/16	137
138		Change San. MH Elevation	0.5 days	4/19/16	4/20/16	143
158		Chain Link Gates	2 days	4/21/16	4/22/16	155
156		Top Course Pavement	2.5 days	5/16/16	5/18/16	158,7FS+2(
157		Pavement Striping	1 day	5/18/16	5/19/16	156
44		**River Street Superstructure**	**206.63 days**	**7/27/15**	**5/19/16**	
45		Set Girders	6 days	7/27/15	8/5/15	187,228,24
47		Form Bridge Deck	11.25 days	8/6/15	9/19/15	46
48		Form Overhang & Edge	7.13 days	8/6/15	8/11/15	46
46		shear connectors	1 day	8/12/15	8/12/15	45
76		Install Vt Exp Joint	6 days	8/12/15	8/19/15	73
49		Rebar for Bridge Deck	8 days	8/13/15	8/19/15	48FS-5 day
50		Dry Run Finishing Machine	1 day	8/19/15	8/19/15	49
51		Place Bridge Deck 1 & 2	1 day	8/20/15	8/20/15	50
64		Form Texas Barrier South	15 days	8/20/15	9/10/15	59
52		Cure Deck 1 & 2	10 days	8/21/15	8/30/15	51
55		Form Sidewalk	1 day	8/24/15	9/3/15	54FS-2 day
53		Place Deck 3	1 day	8/26/15	8/26/15	51FS+4 day
54		Cure Deck 3	10 days	8/27/15	9/5/15	53
56		Pour Sidewalk	0.33 days	8/28/15	9/3/15	55
70		Place Granular Borrow	3 days	8/31/15	9/2/15	58
71		Form Approach Slabs	5 days	9/1/15	9/8/15	70,65,67
72		Rebar for Appoaches	5 days	9/2/15	9/9/15	71
73		Pour Approaches	5 days	9/3/15	9/10/15	72
63		Cure Sidewalk	7 days	9/4/15	9/10/15	56
66		Form Texas Barrier North	5 days	9/4/15	9/11/15	57
65		Pour Texas Barrier South	1 day	9/11/15	9/11/15	64,70
74		Cure Approaches	9.87 days	9/11/15	10/18/15	73
67		Pour Texas Barrier North	0 days	9/12/15	9/12/15	66
68		Cure Texas Rail	4 days	9/13/15	9/23/15	67
78		Sheet Mem. Waterproofing	1 day	9/21/15	9/21/15	67,68
79		Pave Binder & Top on Bridge	1 day	9/22/15	9/22/15	78
75		Guiderail Approach Section	1 day	9/24/15	9/24/15	73,65,67,7
69		Apply Water Repellant	8 days	10/6/15	10/15/15	68
59		10" Waterline on Bridge	3 days	10/26/15	10/28/15	172
61		10" Waterline in Casing	3 days	10/26/15	10/28/15	
57		6" Force Main on Bridge	3 days	10/28/15	10/30/15	218,231,63
58		6" Force Main in Casing	2 days	10/29/15	10/30/15	61
60		10" Expansion Assembly	0.25 days	10/29/15	10/29/15	59
62		6" Expansion Assembly	1 day	10/30/15	10/30/15	57
77		Install Asphaltic Plug Joint	1 day	5/18/16	5/19/16	156
80		Joint Sealer	0.13 days	5/19/16	5/19/16	79,156,77
245		**River Street Bridge Demo**	**220.5 days**	**9/24/15**	**8/9/16**	
246		Build River St Causeway	4 days	9/24/15	9/29/15	37



Vermont Agency of Transportation
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Critical	Split	Finish-only	Baseline Milestone	Manual Summary	Inactive Task
Critical Split	Task Progress	Duration-only	Milestone	Project Summary	Inactive Milestone
Critical Progress	Manual Task	Baseline	Summary Progress	External Tasks	Inactive Summary
Task	Start-only	Baseline Split	Summary	External Milestone	Deadline

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
247		River Shielding Span 1	2 days	3/14/16	3/15/16	37,149,159
248		Remove Deck & Sidewalk	3 days	3/16/16	3/18/16	246,247
249		Remove Span 1 Steel	5 days	3/21/16	3/25/16	248
250		Remove Span 2 Steel	5 days	3/28/16	4/1/16	249
251		Demo Pier	5 days	7/1/16	7/8/16	250
252		Demo Abtments	6 days	7/11/16	7/18/16	251
253		Excavate Existing Roadway	3.5 days	7/19/16	7/22/16	252
254		Place Stone Fill/Remove Causeway	5 days	7/22/16	7/29/16	253
255		Grubbing Material	3 days	7/29/16	8/3/16	254
256		Topsoil	3 days	8/3/16	8/8/16	255
257		Seed	1 day	8/8/16	8/9/16	256
258		**BRF 3000 (19) Ripley Road**	**441 days**	**7/30/15**	**4/26/17**	
259		**Ripley Road Start-up**	**282 days**	**7/30/15**	**9/9/16**	
261		Install Silt Fence	1 day	7/30/15	2/15/16	14
262		Install Silt Fence Reinforced	1 day	7/30/15	2/15/16	261
263		Install Barrier Fence	1 day	7/30/15	7/30/15	262
264		Install Project Demarcation Fence	1 day	7/30/15	7/30/15	263
265		Clear & Grub	21 days	7/31/15	8/28/15	264
260		Construction Signs	2 days	2/15/16	2/16/16	15
269		Detour Traffic	1 day	4/18/16	4/18/16	15,7
267		Remove Traffic Control System	3 days	4/19/16	4/21/16	269
268		Install Temp. Port. Traffic Control Signal	2 days	4/22/16	4/25/16	267
266		Remove Detour	1 day	9/9/16	9/9/16	435,395
270		**Ripley Road Substructures**	**245.88 days**	**7/31/15**	**7/21/16**	
335		**Ripley Pier**	**185.25 days**	**7/31/15**	**4/26/16**	
336		Tubidity Curtain	2 days	7/31/15	8/3/15	227
337		Build Ripley Causeway	2 days	8/27/15	8/28/15	336,33
338		Drive Sheeting for Cofferdam	6 days	9/1/15	9/9/15	337,32
341		Install Cofferdam Bracing	4 days	9/10/15	9/15/15	340
342		Mob. Equipment for Pile Driving	2 days	9/14/15	9/15/15	341,339
340		Excavate Cofferdam Rock	2 days	9/16/15	9/17/15	339
339		Excavate Cofferdam Earth	1 day	9/17/15	9/17/15	338
343		Drive Test Pile	1 day	9/18/15	9/18/15	342
344		Dynamic Pile Load Test	2 days	9/18/15	9/21/15	343
345		Drive Piles at Pier	12 days	9/21/15	10/6/15	344
346		Pour Cofferdam Seal	1 day	10/7/15	10/7/15	345
347		Dewater Cofferdam	1 day	10/13/15	10/13/15	346
348		Cut-Off Piles	0.5 days	10/14/15	10/14/15	347
349		Form Pier Footing	2.5 days	10/16/15	10/20/15	348
350		Rebar for Pier Footing	2 days	10/20/15	10/21/15	349
351		Pour Pier Footing	1 day	10/22/15	10/22/15	350
352		Cure Pier Footing	9 days	10/22/15	10/30/15	351
354		Rebar for Pier Stem	3 days	10/28/15	10/30/15	353
355		Rebar for Pier Stem	3 days	10/28/15	10/30/15	354
353		Form Pier Stem	5 days	11/2/15	11/6/15	351
357		Cure Pier Stem	7 days	11/9/15	11/15/15	356
356		Pour Pier Stem	1 day	11/10/15	11/10/15	355
358		Backfill Pier Stem	1 day	12/8/15	12/8/15	357
359		Remove Cofferdam Bracing	2 days	12/7/15	12/8/15	358

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Critical Progress	Manual Task	Baseline	Summary Progress	External Tasks	Inactive Summary
Task	Start-only	Baseline Split	Summary	External Milestone	Deadline

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
360		Pull Cofferdam Sheeting	2 days	12/22/15	12/24/15	359
361		Place Stone Fill	0.5 days	12/8/15	12/8/15	360,7
362		Form Pedestals	0.5 days	4/18/16	4/18/16	356,7
363		Pour Pedestals	0.25 days	4/18/16	4/18/16	362
364		Cure Pedestals	7 days	4/18/16	4/25/16	363
365		Set Bearings	0.5 days	4/25/16	4/26/16	363,364
271		**Ripley Abutment 1**	**189.88 days**	**10/13/15**	**7/14/16**	
272		Excavation Protection System	8 days	10/13/15	10/22/15	345
274		Mob. Pile Driving Equipment	1 day	10/13/15	10/13/15	273
273		Excavate for Abutment 1	1 day	10/26/15	10/26/15	272
275		Drive Test Pile	0.5 days	11/3/15	11/3/15	274
276		Dynamic Pile Load Test	3 days	11/3/15	11/5/15	275
277		Drive Piles for Abutment 1	5 days	11/3/15	11/9/15	276
278		Cut-Off Piles	1 day	11/9/15	11/9/15	277
279		Form Abutment Footing	6 days	11/10/15	11/17/15	278
280		Rebar for Abutment Footing	4 days	11/12/15	11/17/15	279
281		Pour Abutment Footing	1 day	11/18/15	11/18/15	280
282		Cure Abutment Footing	7 days	11/19/15	11/25/15	281
283		Form 1 Seat/WW	8 days	11/23/15	12/4/15	281
287		Form 2 Seat/WW	4 days	11/23/15	12/8/15	285
284		Rebar 1 Seat/WW	5 days	11/30/15	12/4/15	283
288		Rebar 2 Seat/WW	6 days	11/30/15	12/7/15	287
285		Pour 1 Seat/WW	1 day	12/7/15	12/7/15	284
286		Cure 1 Seat/WW	7 days	12/8/15	12/14/15	285
289		Pour 2 Seat/WW	1 day	12/10/15	12/10/15	288
290		Cure 2 Seat/WW	7 days	12/11/15	12/17/15	289
291		Backfill Abutment	1 day	4/18/16	4/18/16	290,7
292		Excavate for Stone Fill	1 day	4/19/16	4/19/16	291,361
295		Form Pedestals	0.5 days	4/18/16	4/19/16	289,363
296		Pour Pedestals	0.25 days	4/19/16	4/19/16	295
297		Cure Pedestals	7 days	4/19/16	4/26/16	296
293		Place Stone Fill	1.5 days	4/20/16	4/21/16	292
294		Grubbing Material	1 day	4/21/16	4/22/16	293
298		Set Bearings	0.5 days	4/26/16	4/26/16	296,297
299		Form Backwall	2.5 days	7/1/16	7/6/16	367
300		Rebar for Backwall	1 day	7/6/16	7/7/16	299
301		Pour Backwall	0.5 days	7/7/16	7/7/16	300
302		Cure Backwall	7 days	7/8/16	7/14/16	301
303		**Ripley Abutment 2**	**65.88 days**	**4/19/16**	**7/21/16**	
304		Excavation Protection System	2 days	4/19/16	4/20/16	7,269
305		Excavate for Abutment 2	1 day	4/21/16	4/21/16	304
306		Mob. Pile Driving Equipment	1 day	4/22/16	4/22/16	305
307		Drive Test Pile	0.5 days	4/25/16	4/25/16	306
308		Dynamic Pile Load Test	1 day	4/25/16	4/26/16	307
309		Drive Piles for Abutment 2	5.5 days	4/26/16	5/3/16	308
310		Cut-Off Piles	1 day	5/4/16	5/4/16	309
311		Form Abutment Footing	2 days	5/5/16	5/6/16	289,310
312		Rebar for Abutment Footing	2 days	5/9/16	5/10/16	311
313		Pour Abutment Footing	1 day	5/11/16	5/11/16	312
314		Cure Abutment Footing	7 days	5/12/16	5/18/16	313

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Critical Progress	Manual Task	Baseline	Summary Progress	External Tasks	Inactive Summary
Task	Start-only	Baseline Split	Summary	External Milestone	Deadline

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
315		Form 1 Seat/WW	4 days	5/12/16	5/17/16	313
316		Rebar 1 Seat/WW	2 days	5/18/16	5/19/16	315
317		Pour 1 Seat/WW	1 day	5/20/16	5/20/16	316
318		Cure 1 Seat/WW	7 days	5/21/16	5/27/16	317
319		Form 2 Seat/WW	4 days	5/23/16	5/26/16	317
320		Rebar 2 Seat/WW	1.5 days	5/27/16	5/31/16	319
321		Pour 2 Seat/WW	1 day	5/31/16	6/1/16	320
322		Cure 2 Seat/WW	7 days	6/1/16	6/8/16	321
327		Form Pedestals	0.5 days	6/1/16	6/1/16	321,296
328		Pour Pedestals	0.25 days	6/2/16	6/2/16	327
329		Cure Pedestals	7 days	6/2/16	6/9/16	328
323		Backfill Abutment	1 day	6/8/16	6/9/16	322
330		Set Bearings	0.5 days	6/9/16	6/9/16	328,329
324		Excavate for Stone Fill	1 day	6/9/16	6/10/16	323,294
325		Place Stone Fill	1.5 days	6/10/16	6/13/16	324
326		Grubbing Material	1 day	6/14/16	6/14/16	325
331		Form Backwall	2.5 days	7/11/16	7/13/16	368
332		Rebar for Backwall	1 day	7/13/16	7/14/16	331
333		Pour Backwall	0.5 days	7/14/16	7/14/16	332
334		Cure Backwall	7 days	7/15/16	7/21/16	333
398		**Ripley Road Utilities/Roadwork**	**138 days**	**3/10/16**	**9/23/16**	
399		**Ripley Road Sewer**	**93.5 days**	**3/10/16**	**7/21/16**	
400		Notify for Start of Sewer	1 day	3/10/16	3/11/16	401FS-30 d
401		Set Sanitary Manhole	2.5 days	4/19/16	4/21/16	260,264,26
402		Install 8" DI Sewer	3 days	4/21/16	4/26/16	401
403		Set Manhole Covers	1.25 days	4/26/16	4/27/16	402
404		Test Sanitary Sewer	2 days	7/19/16	7/20/16	403,371
405		Transfer to New Sewer	1 day	7/21/16	7/21/16	371,404
406		**Ripley Road Water**	**86.25 days**	**3/17/16**	**7/19/16**	
407		Notify for Start of Waterline	1 day	3/17/16	3/18/16	408FS-30 d
408		Relocate Hydrant	1 day	4/27/16	4/28/16	403
409		Install 8" DI Waterline	1 day	4/28/16	4/29/16	408
410		Install 8" Gate Valves	0.5 days	4/29/16	5/2/16	409
411		Install 8" Tapping Sleeve & Valve	2 days	5/2/16	5/4/16	410
412		Test Waterline	2 days	7/15/16	7/18/16	411,370
413		Transfer to New Watermain	1 day	7/19/16	7/19/16	370,412
414		**Ripley Road Roadwork**	**99.25 days**	**5/4/16**	**9/23/16**	
417		Install Drainage Structures	4 days	5/4/16	5/10/16	411
415		18" CPEP Drainage Pipe	3 days	5/10/16	5/13/16	417
416		18" End Section	0.25 days	5/13/16	5/13/16	415
418		24" CPEP Drainage Pipe	2 days	5/13/16	5/17/16	416
419		24" End Section	0.25 days	5/17/16	5/17/16	418
420		Set Frames and Grates	4 days	5/17/16	5/23/16	419
421		Remove Stone Wall	0.5 days	5/23/16	5/24/16	420
422		Road Reconstruction	6 days	5/24/16	6/2/16	421
423		Place Sand Borrow	2 days	6/2/16	6/6/16	422
424		6" Underdrain	1 day	6/6/16	6/7/16	423
425		6" Underdrain Carrier Pipe	0.25 days	6/7/16	6/7/16	424
426		Underdrain Flushing Basin	0.25 days	6/7/16	6/7/16	425
427		Subbase for Road Reconstruction	5 days	6/7/16	6/14/16	426

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Critical, Critical Split, Critical Progress, Task, Split, Task Progress, Manual Task, Start-only, Finish-only, Duration-only, Baseline, Baseline Split, Baseline Milestone, Milestone, Summary Progress, Summary, Manual Summary, Project Summary, External Tasks, External Milestone, Inactive Task, Inactive Milestone, Inactive Summary, Deadline

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
428		CIP Concrete Curb	4 days	6/14/16	6/20/16	427
429		5" Sidewalk	5 days	6/20/16	6/27/16	428
430		Detectable Warning Surface	1 day	6/27/16	6/28/16	429
431		8" Sidewalk	1.5 days	6/28/16	6/30/16	430
432		Mill Pavement	1 day	6/30/16	7/1/16	431
433		Pave Base Course	1.5 days	9/1/16	9/2/16	432,393
434		Pave Binder Course	1.5 days	9/6/16	9/7/16	433
435		Temp. Pavement Marking	1 day	9/7/16	9/8/16	434
436		Topsoil	3 days	9/7/16	9/12/16	434
437		Seed, Winter Rye	1 day	9/12/16	9/13/16	436
438		Install Guiderail	2 days	9/13/16	9/15/16	437
439		Energy Absorption Attenuator	1 day	9/15/16	9/16/16	438
440		Anchor for Steel Beam Rail	1 day	9/16/16	9/19/16	439
441		Guiderail Approach Section	1 day	9/19/16	9/20/16	440,393
442		Install Sign Posts	0.25 days	9/20/16	9/20/16	441
443		Traffic Signs	0.25 days	9/20/16	9/20/16	442
444		Pave Top Course	1.5 days	9/21/16	9/22/16	456,441,44
445		Pavement Striping	1 day	9/22/16	9/23/16	444
366		**Ripley Superstructure**	**53 days**	**6/24/16**	**9/8/16**	
367		Set Truss Span 1	5 days	6/24/16	6/30/16	365,298,33
368		Set Truss Span 2	5 days	7/1/16	7/8/16	367,361
369		Install Sidewalk Brackets	2 days	7/11/16	7/12/16	368
370		Install Watermain on Bridge	2 days	7/13/16	7/14/16	369,28
371		Install Sewer Main on Bridge	2 days	7/15/16	7/18/16	370,27
372		Form Deck Span 1	9 days	7/18/16	7/25/16	371
373		Rebar Deck Span 1	4 days	7/25/16	7/29/16	372
374		Set Bridge Joint	2 days	7/25/16	7/27/16	372,22
375		Pour Deck Span 1	1 day	7/29/16	8/1/16	373,374
376		Cure Deck Span 1	10 days	8/1/16	8/11/16	375
377		Form Deck Span 2	11 days	8/1/16	8/8/16	375
378		Rebar Deck Span 2	5 days	8/9/16	8/15/16	377
379		Pour Deck Span 2	1 day	8/16/16	8/16/16	378
380		Cure Deck Span 2	10 days	8/17/16	8/26/16	379
381		Form Sidewalk	4 days	8/17/16	8/22/16	379
382		Rebar for Sidewalk	3 days	8/23/16	8/25/16	381
383		Install Sidwalk Joint	0.5 days	8/23/16	8/23/16	381
386		Form Curb	2 days	8/26/16	8/30/16	380,376
384		Pour Sidewalk	1 day	8/26/16	8/26/16	382,383
387		Rebar for Curb	0.5 days	8/30/16	8/31/16	386
385		Cure Sidewalk	10 days	8/27/16	9/5/16	384
389		Place Subbase for Approach Slabs	0.5 days	8/29/16	8/29/16	302,334,38
388		Pour Curb	1 day	8/31/16	9/1/16	387
390		Form Approach Slabs	1 day	8/29/16	8/30/16	389
392		Cure Curb	7 days	9/1/16	9/8/16	388
397		Install Bridge Rail	2 days	9/1/16	9/6/16	388
391		Rebar for Approaches	1 day	8/30/16	8/31/16	390
393		Pour Approaches	1 day	8/31/16	9/1/16	391
394		Cure Approaches	7 days	9/1/16	9/8/16	393
396		Install Pedestrian Rail	2 days	9/6/16	9/7/16	385
395		Joint Sealer	0.5 days	9/8/16	9/8/16	394

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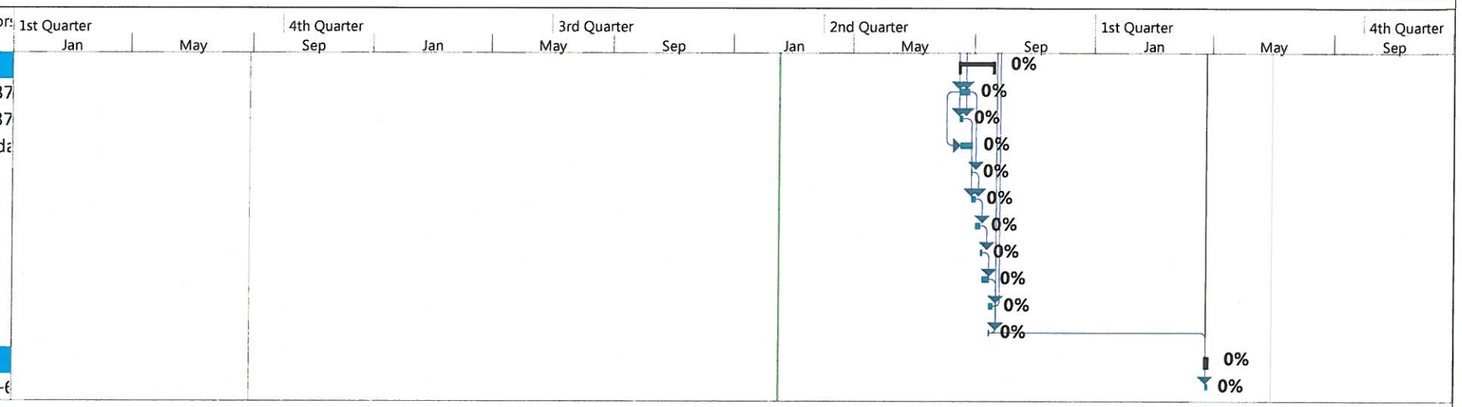
446		**Ripley Road Bridge Demo**	**23.5 days**	**8/17/16**	**9/20/16**	
447		Remove Temp. Bridge	8 days	8/17/16	8/26/16	405,413,37
449		Install Shielding Over Stream	3 days	8/17/16	8/19/16	405,413,37
448		Return Bridge to VAOT	8 days	8/18/16	8/29/16	447SS+1 da
450		Remove Bridge Pavement	0.5 days	8/29/16	8/29/16	447
451		Remove Deck	4 days	8/29/16	9/2/16	450,449
452		Remove Span 1 Steel	2 days	9/2/16	9/7/16	451
453		Remove Span 2 Steel	2 days	9/7/16	9/9/16	452
454		Demo Pier	5 days	9/9/16	9/16/16	453
455		Remove Causeway	2 days	9/16/16	9/20/16	454
456		Demo Abutments	0.5 days	9/16/16	9/16/16	454
457		**Final Ripley Sitework**	**2 days**	**4/25/17**	**4/26/17**	
458		Seed	2 days	4/25/17	4/26/17	456,11FS+6



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