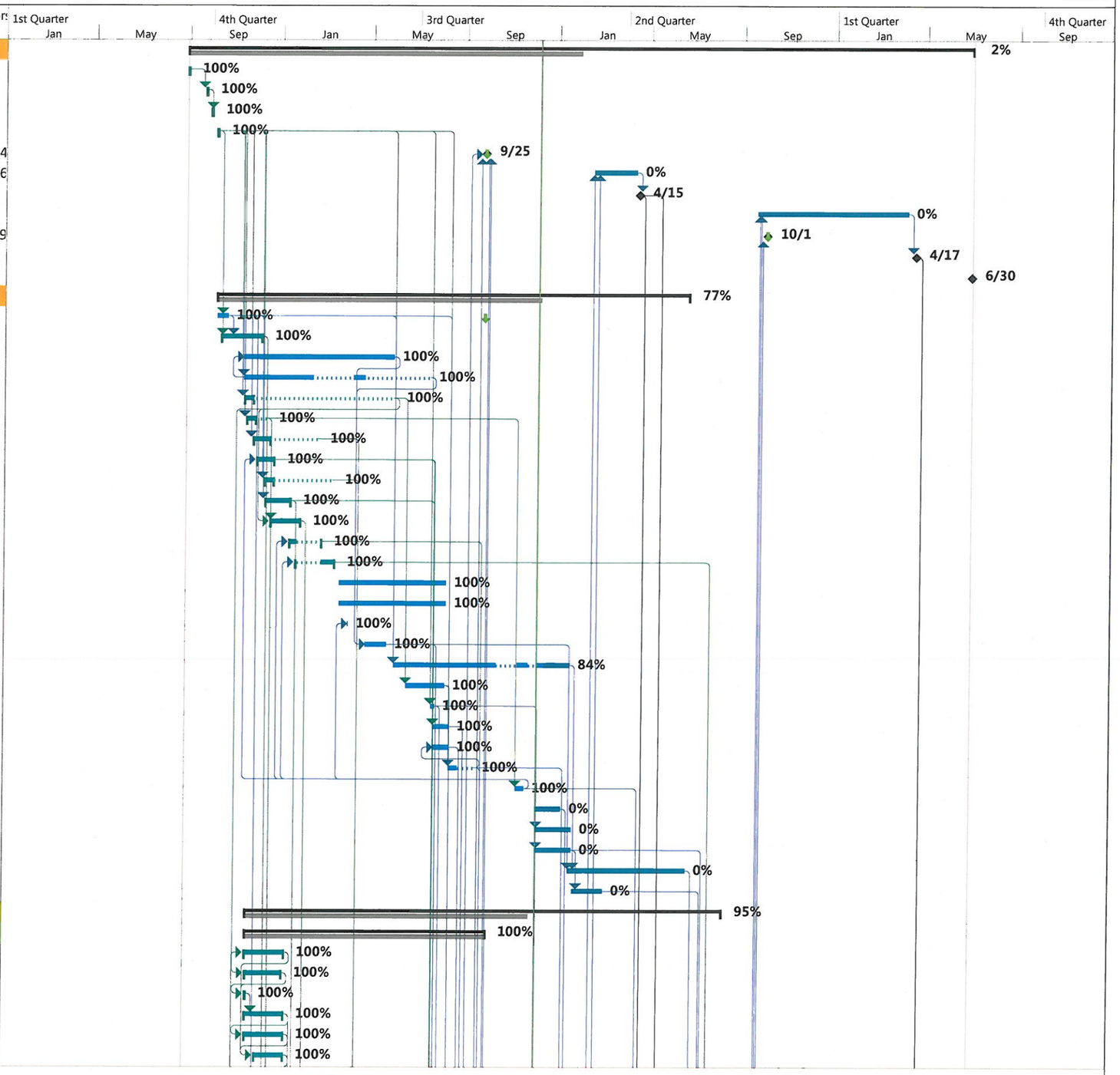
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		**Administrative**	**716 days**	**8/29/14**	**6/30/17**	
2		Bid Letting	1 day	8/29/14	8/29/14	
3		Project Award	1 day	9/22/14	9/22/14	2
4		Preconstruction Meeting	1 day	9/29/14	9/29/14	3
5		Notice to Proceed	1 day	10/7/14	10/7/14	
8		Interim Completion BRF3000 (16)	0 days	9/25/15	9/25/15	229,227,14
6		2015-2016 Winter Shut Down	40 days	2/16/16	4/11/16	250,290,36
7		2016 Startup	0 days	4/15/16	4/15/16	6
9		2016-2017 Winter Shut Down	139 days	9/19/16	4/5/17	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**	**429 days**	**10/8/14**	**6/21/16**	
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	1/18/16	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	12/8/15	1/8/16	
21		Erection Plan - Ripley Road	30 days	12/8/15	1/22/16	19
27		Sewer on Bridge Submittal Ripley	30 days	12/8/15	1/22/16	15
31		Fabricate Trusses	110 days	1/19/16	6/21/16	30,39
28		Water on Bridge Submittal Ripley	30 days	1/25/16	3/4/16	27
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
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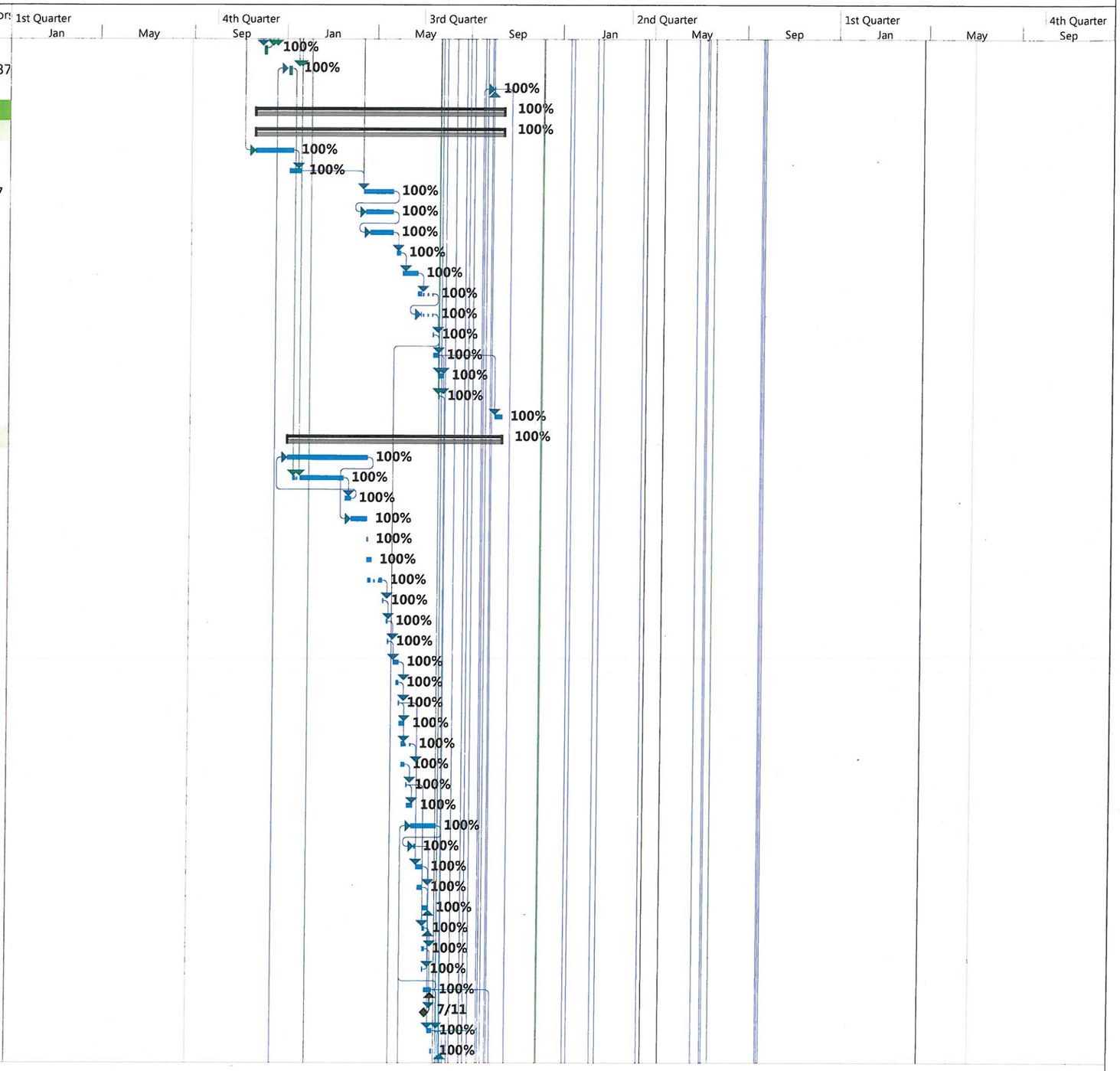
Task	Start-only	Baseline Split	Summary	External Milestone	Deadline

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

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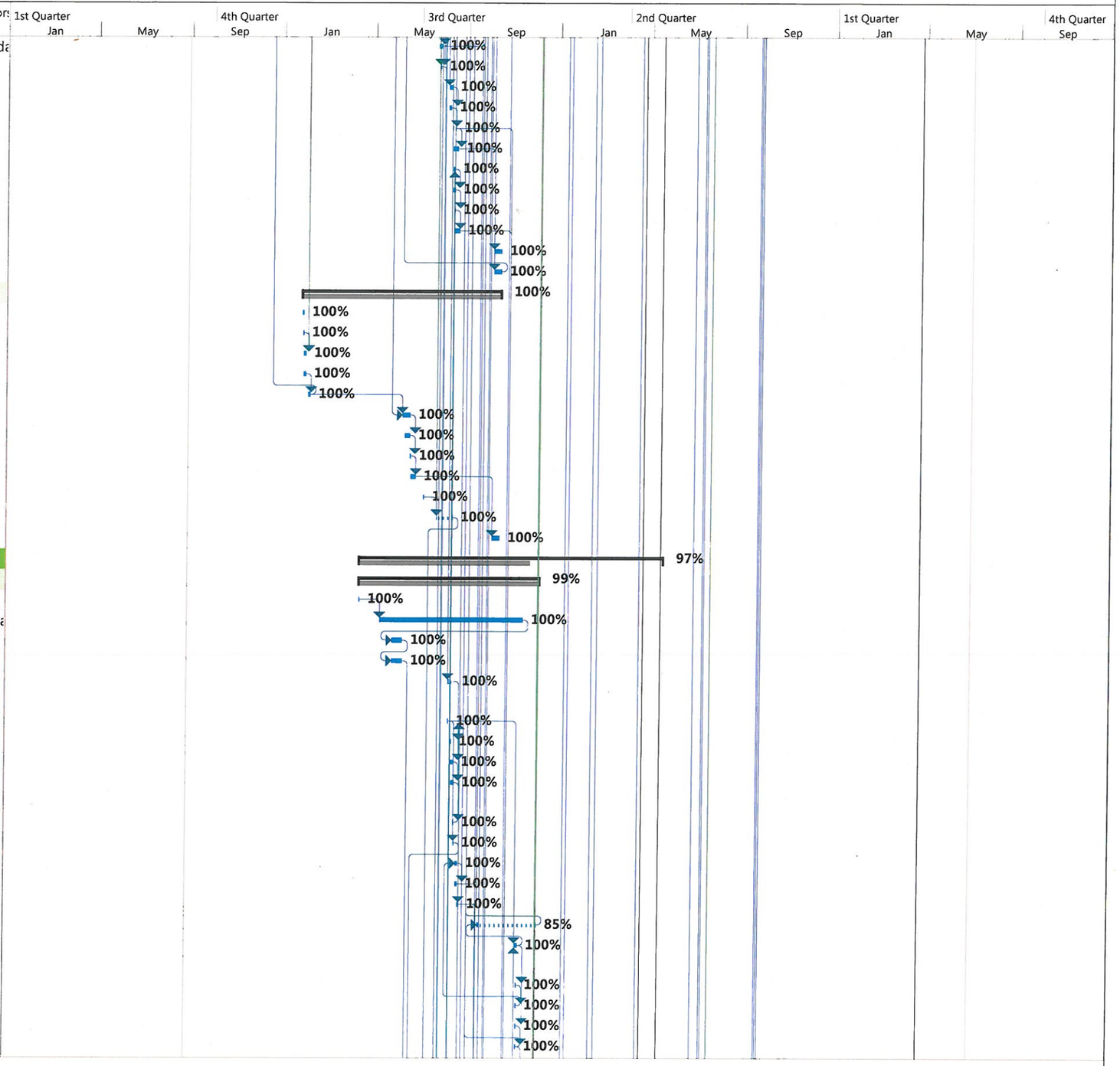
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
229		Place Stone Fill	3 days	7/22/15	7/25/15	227FS+2 da
228		Set Bearings	1 day	7/24/15	7/24/15	227,23
216		Form WW Tops	3 days	8/5/15	8/8/15	227
217		Rebar WW Tops	3 days	8/5/15	8/7/15	216
218		Pour WW Tops	1 day	8/10/15	8/14/15	217
219		Cure 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



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BRF 3000 (16 & 19)

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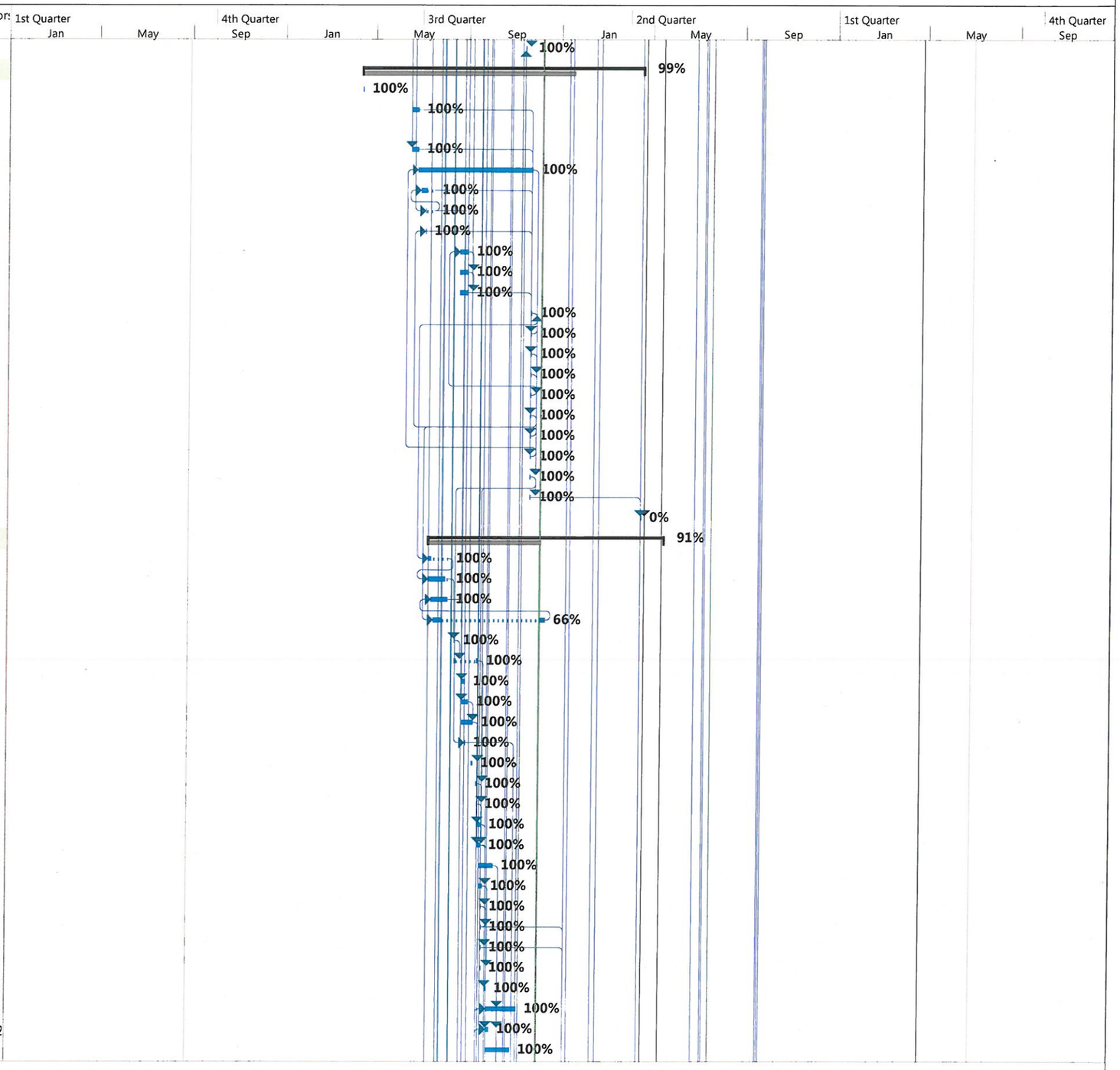
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
84		Test Sanitary Sewer	1 day	11/13/15	11/13/15	102,58
104		**River Street Water**	**257 days**	**4/13/15**	**4/18/16**	
108		Notify Start of Water Work	1 day	4/13/15	4/13/15	
107		10" Waterline on River Street West	7 days	6/17/15	6/25/15	
118		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	12/14/15	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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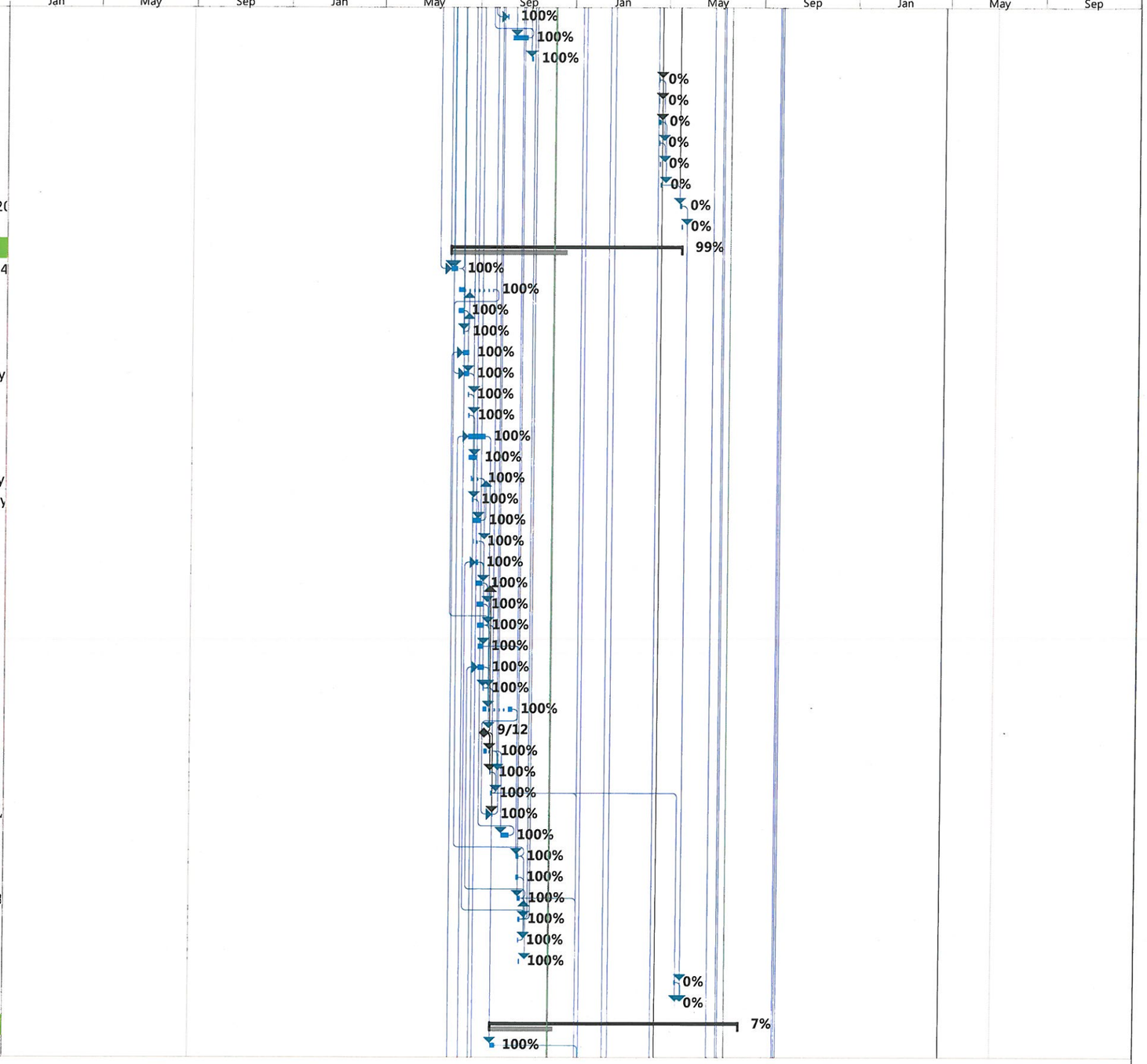
132		Relocate Mailbox	1 day	10/5/15	10/5/15	123
130		Stone Wall North of Sta 499+00	15 days	10/12/15	10/30/15	127
162		Power Drop Stanchion	2 days	11/5/15	11/6/15	131
137		Manhole Covers Dorr Rd	1 day	4/18/16	4/18/16	7
151		Deciduous Trees	1 day	4/18/16	4/18/16	7
155		Chain Link Fence	3 days	4/18/16	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
Bridge Project City of Rutland
BRF 3000 (16 & 19)

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Summary
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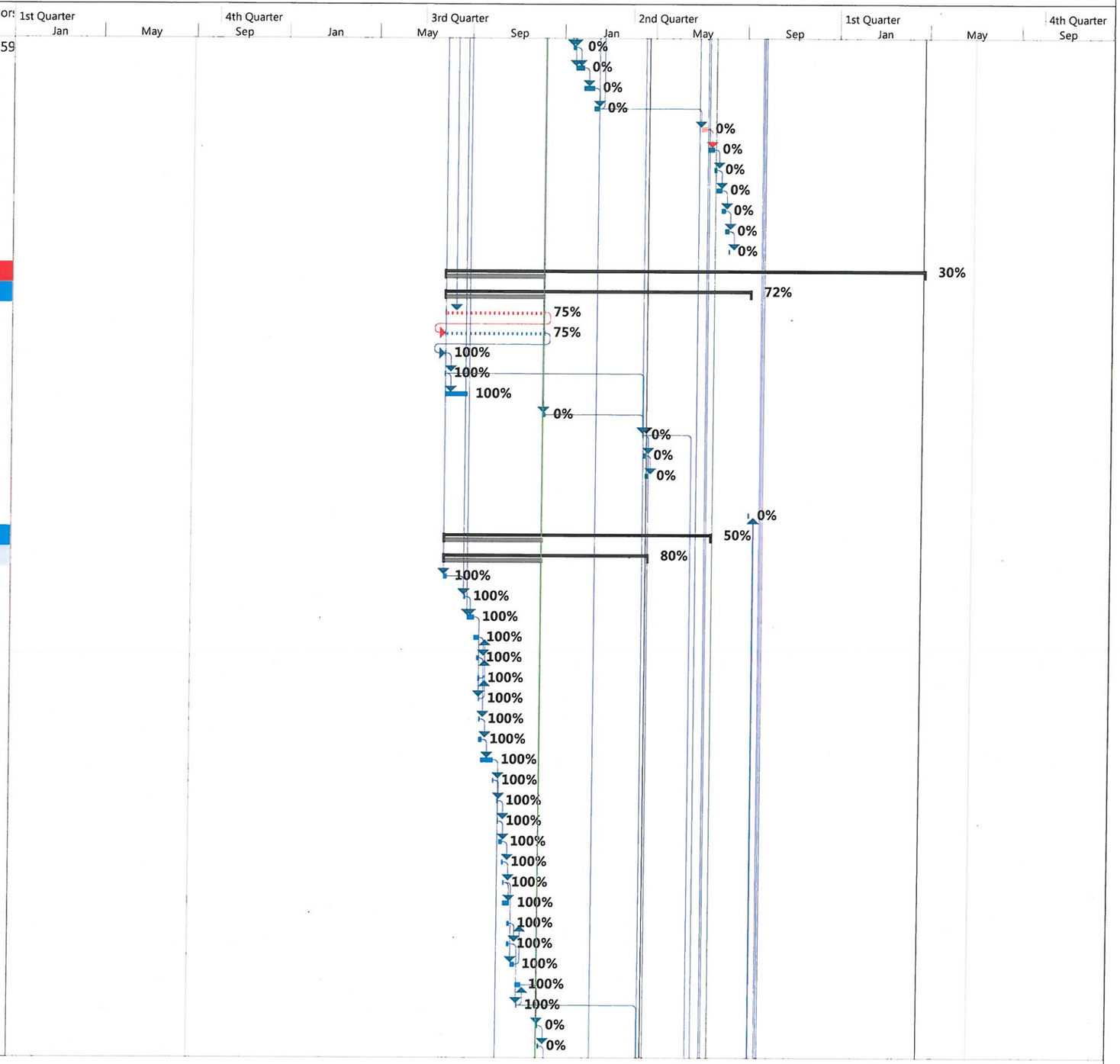
Inactive Milestone
Inactive Summary
Deadline

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
247		River Shielding Span 1	4 days	1/11/16	1/14/16	37,149,159
248		Remove Deck & Sidewalk	7 days	1/15/16	1/25/16	246,247
249		Remove Span 1 Steel	10 days	1/26/16	2/8/16	248
250		Remove Span 2 Steel	5 days	2/9/16	2/15/16	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**	**280 days**	**7/30/15**	**9/7/16**	
261		Install Silt Fence	1 day	7/30/15	12/8/15	14
262		Install Silt Fence Reinforced	1 day	7/30/15	12/8/15	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	12/8/15	12/9/15	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	9/7/16	9/7/16	435,395
270		**Ripley Road Substructures**	**243.88 days**	**7/31/15**	**7/19/16**	
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	12/9/15	12/10/15	358



Vermont Agency of Transportation
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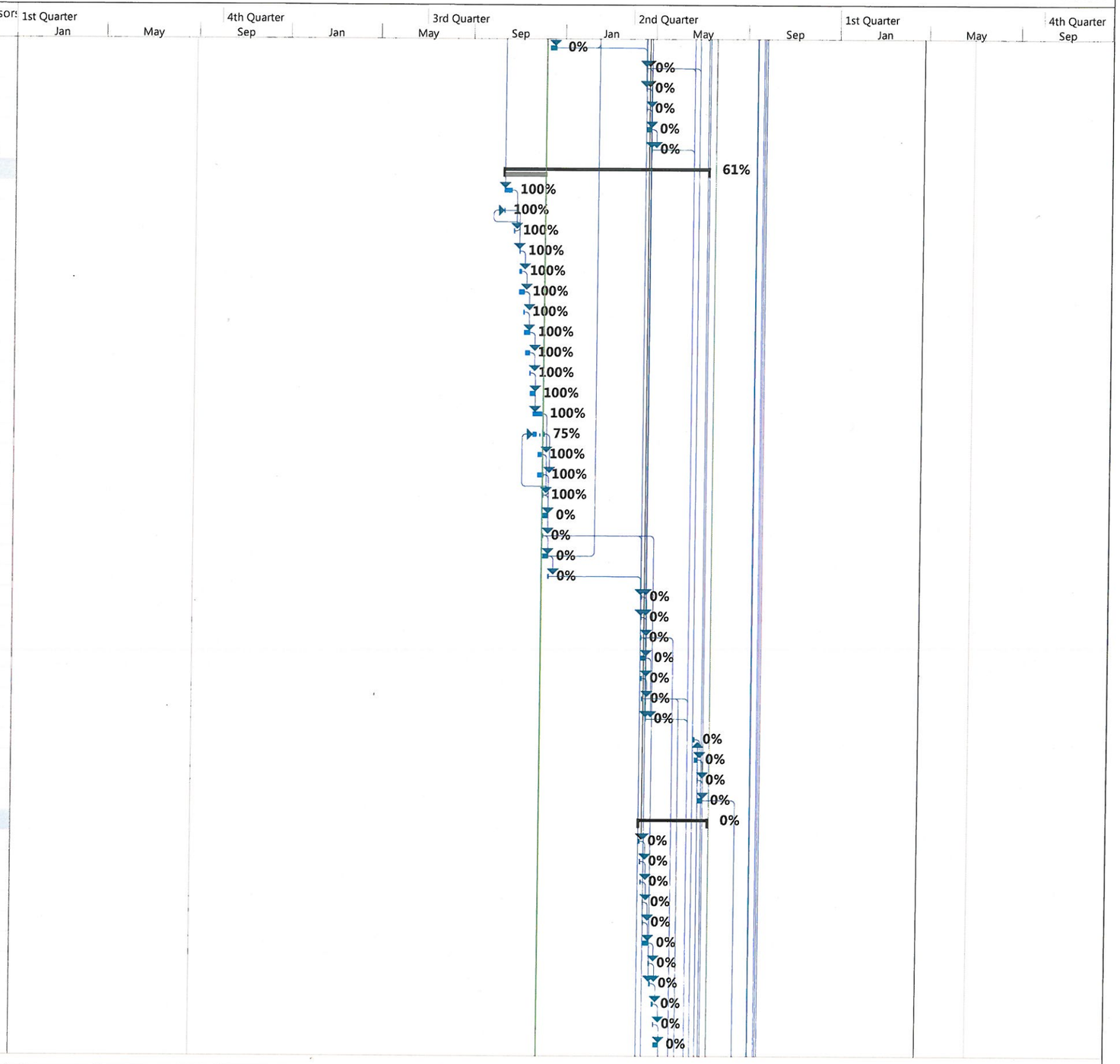
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
360		Pull Cofferdam Sheeting	6 days	12/11/15	12/18/15	359
361		Place Stone Fill	0.5 days	4/18/16	4/18/16	360,7
362		Form Pedestals	0.5 days	4/18/16	4/18/16	356,7
363		Pour Pedestals	0.25 days	4/18/16	4/18/16	362
364		Cure Pedestals	7 days	4/18/16	4/25/16	363
365		Set Bearings	0.5 days	4/25/16	4/26/16	363,364
271		**Ripley Abutment 1**	**187.88 days**	**10/13/15**	**7/12/16**	
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	0.5 days	12/8/15	12/8/15	288
290		Cure 2 Seat/WW	7 days	12/8/15	12/15/15	289
291		Backfill Abutment	1 day	12/15/15	12/16/15	290
292		Excavate for Stone Fill	1 day	4/18/16	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	4/19/16	4/20/16	292
294		Grubbing Material	1 day	4/21/16	4/21/16	293
298		Set Bearings	0.5 days	4/26/16	4/26/16	296,297
299		Form Backwall	2.5 days	6/29/16	7/1/16	367
300		Rebar for Backwall	1 day	7/1/16	7/5/16	299
301		Pour Backwall	0.5 days	7/5/16	7/5/16	300
302		Cure Backwall	7 days	7/6/16	7/12/16	301
303		**Ripley Abutment 2**	**63.88 days**	**4/19/16**	**7/19/16**	
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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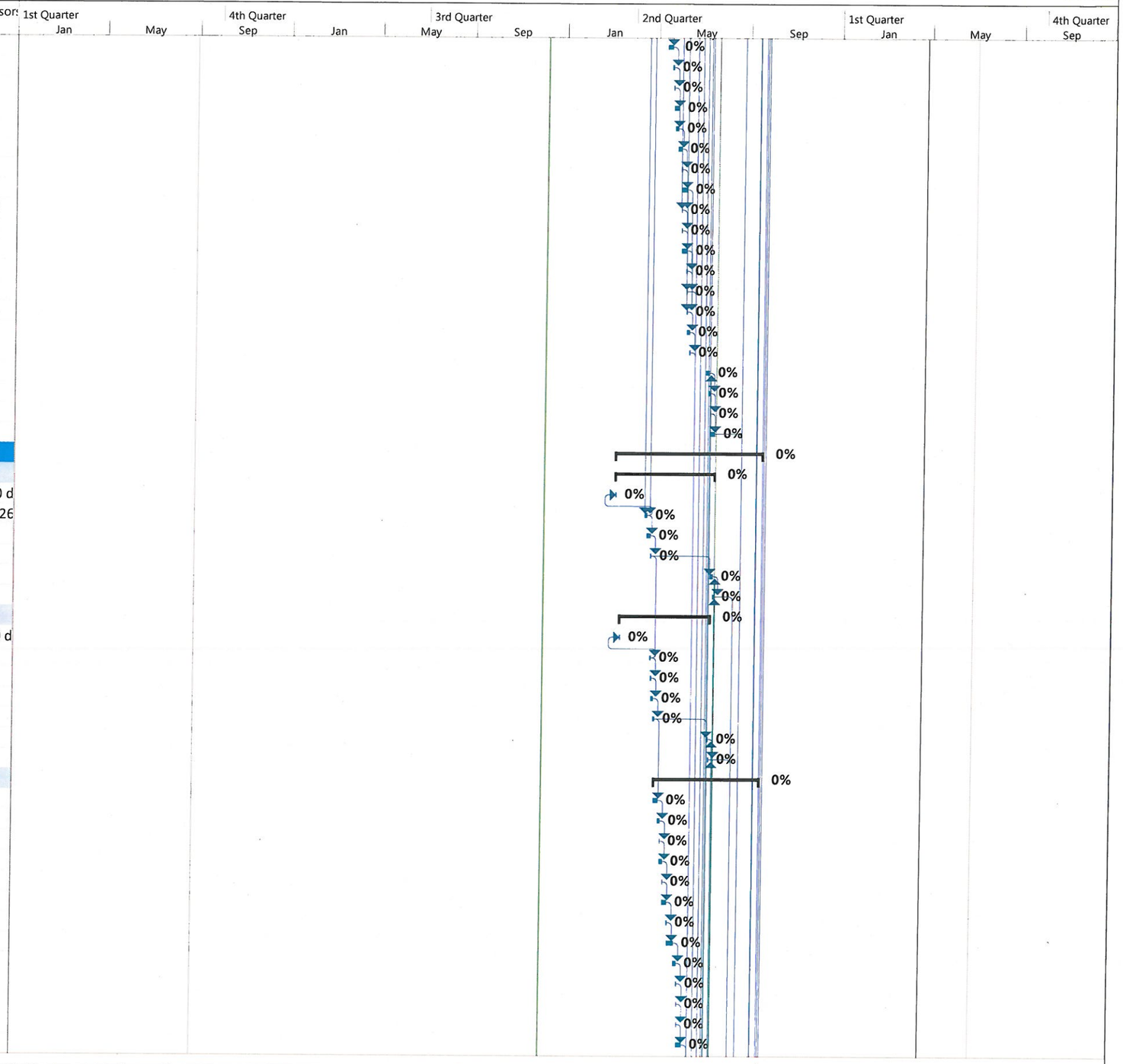
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
315		Form 1 Seat/WW	4 days	5/12/16	5/17/16	313
316		Rebar 1 Seat/WW	2 days	5/18/16	5/19/16	315
317		Pour 1 Seat/WW	1 day	5/20/16	5/20/16	316
318		Cure 1 Seat/WW	7 days	5/21/16	5/27/16	317
319		Form 2 Seat/WW	4 days	5/23/16	5/26/16	317
320		Rebar 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	7/7/16	7/11/16	368
332		Rebar for Backwall	1 day	7/11/16	7/12/16	331
333		Pour Backwall	0.5 days	7/12/16	7/12/16	332
334		Cure Backwall	7 days	7/13/16	7/19/16	333
398		**Ripley Road Utilities/Roadwork**	**136 days**	**3/10/16**	**9/21/16**	
399		**Ripley Road Sewer**	**91.5 days**	**3/10/16**	**7/19/16**	
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	7/15/16	7/18/16	403,371
405		Transfer to New Sewer	1 day	7/19/16	7/19/16	371,404
406		**Ripley Road Water**	**84.25 days**	**3/17/16**	**7/15/16**	
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	7/13/16	7/14/16	411,370
413		Transfer to New Watermain	1 day	7/15/16	7/15/16	370,412
414		**Ripley Road Roadwork**	**97.25 days**	**5/4/16**	**9/21/16**	
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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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	8/30/16	8/31/16	432,393
434		Pave Binder Course	1.5 days	9/1/16	9/2/16	433
435		Temp. Pavement Marking	1 day	9/2/16	9/6/16	434
436		Topsoil	3 days	9/2/16	9/8/16	434
437		Seed, Winter Rye	1 day	9/8/16	9/9/16	436
438		Install Guiderail	2 days	9/9/16	9/13/16	437
439		Energy Absorption Attenuator	1 day	9/13/16	9/14/16	438
440		Anchor for Steel Beam Rail	1 day	9/14/16	9/15/16	439
441		Guiderail Approach Section	1 day	9/15/16	9/16/16	440,393
442		Install Sign Posts	0.25 days	9/16/16	9/16/16	441
443		Traffic Signs	0.25 days	9/16/16	9/16/16	442
444		Pave Top Course	1.5 days	9/19/16	9/20/16	456,441,44
445		Pavement Striping	1 day	9/20/16	9/21/16	444
366		**Ripley Superstructure**	**54 days**	**6/22/16**	**9/7/16**	
367		Set Truss Span 1	5 days	6/22/16	6/28/16	365,298,33
368		Set Truss Span 2	5 days	6/29/16	7/6/16	367,361
369		Install Sidewalk Brackets	2 days	7/7/16	7/8/16	368
370		Install Watermain on Bridge	2 days	7/11/16	7/12/16	369,28
371		Install Sewer Main on Bridge	2 days	7/13/16	7/14/16	370,27
372		Form Deck Span 1	9 days	7/14/16	7/21/16	371
373		Rebar Deck Span 1	4 days	7/21/16	7/27/16	372
374		Set Bridge Joint	2 days	7/21/16	7/25/16	372,22
375		Pour Deck Span 1	1 day	7/27/16	7/28/16	373,374
376		Cure Deck Span 1	10 days	7/28/16	8/7/16	375
377		Form Deck Span 2	11 days	7/28/16	8/4/16	375
378		Rebar Deck Span 2	5 days	8/5/16	8/11/16	377
379		Pour Deck Span 2	1 day	8/12/16	8/12/16	378
380		Cure Deck Span 2	10 days	8/13/16	8/22/16	379
381		Form Sidewalk	4 days	8/15/16	8/18/16	379
382		Rebar for Sidewalk	3 days	8/19/16	8/23/16	381
383		Install Sidwalk Joint	0.5 days	8/19/16	8/19/16	381
386		Form Curb	2 days	8/22/16	8/24/16	380,376
384		Pour Sidewalk	1 day	8/24/16	8/24/16	382,383
387		Rebar for Curb	0.5 days	8/24/16	8/25/16	386
385		Cure Sidewalk	10 days	8/25/16	9/3/16	384
389		Place Subbase for Approach Slabs	0.5 days	8/25/16	8/25/16	302,334,38
388		Pour Curb	1 day	8/25/16	8/26/16	387
390		Form Approach Slabs	1 day	8/25/16	8/26/16	389
392		Cure Curb	7 days	8/26/16	9/2/16	388
397		Install Bridge Rail	2 days	8/26/16	8/30/16	388
391		Rebar for Approaches	1 day	8/26/16	8/29/16	390
393		Pour Approaches	1 day	8/29/16	8/30/16	391
394		Cure Approaches	7 days	8/30/16	9/6/16	393
396		Install Pedestrian Rail	2 days	9/6/16	9/7/16	385
395		Joint Sealer	0.5 days	9/6/16	9/6/16	394

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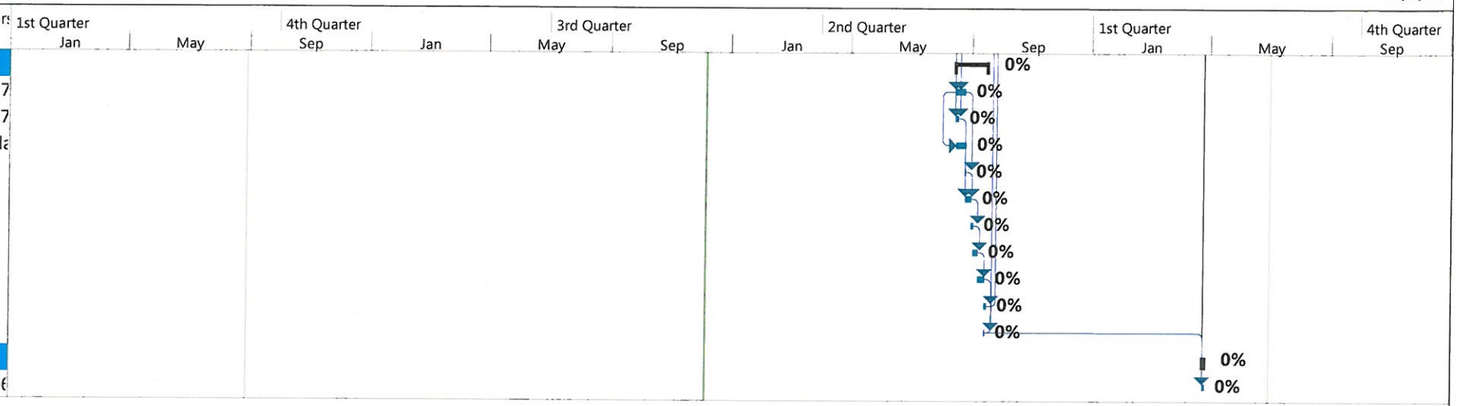
Task	Start-only	Baseline Split	Summary	External Milestone	Deadline

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
446		**Ripley Road Bridge Demo**	**23.5 days**	**8/15/16**	**9/16/16**	
447		Remove Temp. Bridge	8 days	8/15/16	8/24/16	405,413,37
449		Install Shielding Over Stream	3 days	8/15/16	8/17/16	405,413,37
448		Return Bridge to VAOT	8 days	8/16/16	8/25/16	447SS+1 da
450		Remove Bridge Pavement	0.5 days	8/25/16	8/25/16	447
451		Remove Deck	4 days	8/25/16	8/31/16	450,449
452		Remove Span 1 Steel	2 days	8/31/16	9/2/16	451
453		Remove Span 2 Steel	2 days	9/2/16	9/7/16	452
454		Demo Pier	5 days	9/7/16	9/14/16	453
455		Remove Causeway	2 days	9/14/16	9/16/16	454
456		Demo Abutments	0.5 days	9/14/16	9/14/16	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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