

Brunswick #13								As-Built Quantities		Brunswick #13								As-Built Quantities	
Span #	Component	Location (ft. from nearest bent, etc)	Bent #	Defect Description	Length (ft.)	Width (ft.)	Assumed Depth (ft.)	Actual (C.F.)	Actual Depth (ft.)	Span #	Component	Location (ft. from nearest bent, etc)	Bent #	Defect Description	Length(ft.)	Width(ft.)	Depth(ft.)	Actual (C.F.)	Actual Depth (ft.)
1	Deck	at random throughout		(x7) Spall	7	1.5	0.5			6	Girder 1	At end of girder at bent 5	5	Cracking (PSC)	6				
1	Girder 1	at end of beam, at Bent 1	1	Spall	1.5	1	0.5			6	Girder 1	3 places on beam bottom	6	Spall/Exposed Rebar	1.5	1	0.5		
1	Girder 1	3 places on beam bottom	1	Spall/Exposed Rebar	1.5	1	0.5			6	Girder 2	Bottom of beam at bent 5	5	Spall	1	1.5	0.5		
1	Girder 2	at end of beam, at Bent 1	1	Spall	2	1.5	0.5			6	Girder 2	End of girder, at bent 5	5	Spall	2.5	2.5	0.5		
1	Girder 2	3 places on beam bottom	1	Spall/Exposed Rebar	1.5	1	0.5			6	Girder 2	At end of girder, at bent 6	6	Cracking (PSC)	6				
1	Girder 3	at end of girder, at bent 1	1	Spall	1	1	0.5			6	Girder 2	3 places on beam bottom	6	Spall/Exposed Rebar	1.5	1	0.5		
1	Girder 3	3 places on beam bottom	1	Spall/Exposed Rebar	1.5	1	0.5			6	Girder 3	At beam end, at bent 6	6	Spall	1.5	1.5	0.5		
1	Girder 4	3 places on beam bottom	1	Spall/Exposed Rebar	1.5	1	0.5			6	Girder 3	Top of flange, at end of girder, at bent 6	6	Spall	2.5	2.5	0.5		
1	Girder 5	3 places on beam bottom	1	Spall/Exposed Rebar	1.5	1	0.5			6	Girder 3	At end of girder at bent 5	5	Cracking (PSC)	6				
2	Girder 1	at end of girder, at bent 1	1	Spall	2	1	0.5			6	Girder 4	Bottom of beam, at bent 5	5	Spall	2	1	0.5		
2	Girder 1	at bottom flange, at end of girder, at bent 2	2	Spall	1.5	1.5	0.5			6	Girder 4	At end of girder, at bent 5	5	Cracking (PSC)	6				
2	Girder 1	3 places on beam bottom	2	Spall/Exposed Rebar	1.5	1	0.5			6	Girder 4	At end of girder, at bent 6	6	Cracking (PSC)	6				
2	Girder 2	at end of girder, at bent 1	1	Spall	1.5	1.5	0.5			6	Girder 5	At end of girder, at bent 5	5	Cracking (PSC)	6				
2	Girder 2	at end of girder, at bent 2	2	Cracking (PSC)	6					6	Girder 5	At end of girder, at bent 6	6	Spall	2.5	2.5	0.5		
2	Girder 2	3 places on beam bottom	2	Spall/Exposed Rebar	1.5	1	0.5			7	Deck	Top of deck, 10' from left bridge rail	7	Spall	2	1	0.5		
2	Girder 3	at end of girder, at bent 1	1	Cracking (PSC)	6					7	Girder 1	North face, at bent 6	6	Spall	1	1	0.5		
2	Girder 3	3 places on beam bottom	2	Spall/Exposed Rebar	1.5	1	0.5			7	Girder 1	End of girder, at bent 6	6	Cracking (PSC)	6				
2	Girder 4	at end of girder, at bent 1	1	Spall/Exposed Rebar	2	1.5	0.5			7	Girder 1	Bottom of Beam 1' from near end	6	Spall/Exposed Rebar	1.5	1	0.5		
2	Girder 4	at end of girder, at bent 1	1	Spall	2	1.5	0.5			7	Girder 1	End of girder, at bent 7	7	Spall	1	1.5	0.5		
2	Girder 4	3 places on beam bottom	2	Spall/Exposed Rebar	1.5	1	0.5			7	Girder 1	3 places on beam bottom	7	Spall/Exposed Rebar	1.5	1	0.5		
2	Girder 5	at end of girder, at bent 1	1	Cracking (PSC)	6					7	Girder 2	At end of girder at bent 6	6	Cracking (PSC)	6				
2	Girder 5	at end of girder, at bent 2	2	Cracking (PSC)	6					7	Girder 2	End of girder, at bent 7	7	Cracking (PSC)	6				
3	Girder 1	at end of girder, at bent 3	3	(x2) Spalls/Exposed bar	5	4.5	0.5			7	Girder 2	3 places on beam bottom	7	Spall/Exposed Rebar	1.5	1	0.5		
3	Girder 1	bottom flange, at end of girder, at bent 2	2	Spall	1.5	1.5	0.5			7	Girder 2	Web, Right side 1' from far end	7	Spall/Exposed Rebar	1.5	1	0.5		
3	Girder 1	at end of girder, at bent 3	3	Cracking (PSC)	6					7	Girder 3	South Face, at bent 6	6	Spall	1	1	0.5		
3	Girder 1	at end of girder, at bent 2	2	Cracking (PSC)	6					7	Girder 3	End of girder, at bent 7	7	Cracking (PSC)	6				
3	Girder 2	bottom flange, at end of girder, at bent 2	2	Spall	1.5	1	0.5			7	Girder 3	3 places on beam bottom	7	Spall/Exposed Rebar	1.5	1	0.5		
3	Girder 2	at end of girder, at bent 2	2	Cracking (PSC)	6					7	Girder 4	Diagonal crack, South face at bent 6	6	Cracking (PSC)	1				
3	Girder 2	at end of girder, at bent 3	3	Cracking (PSC)	6					7	Girder 4	End of girder, at bent 6	6	Cracking (PSC)	6				
3	Girder 3	bottom flange, at end of girder, at bent 2	2	Spall/Exposed Rebar	3	3	0.5			7	Girder 4	End of girder, at bent 7	7	Cracking (PSC)	6				
3	Girder 3	at end of girder, at bent 3	3	Cracking (PSC)	6					7	Girder 4	3 places on beam bottom	7	Spall/Exposed Rebar	1.5	1	0.5		
3	Girder 3	at end of girder, at bent 2	3	Cracking (PSC)	6					7	Girder 5	End of girder, at bent 6	6	Cracking (PSC)	6				
3	Girder 4	at end of girder, at bent 2	2	Spall/Exposed Rebar	3	3	0.5			7	Girder 5	End of girder, at bent 7	7	Cracking (PSC)	6				
3	Girder 4	at end of girder, at bent 2	2	Cracking (PSC)	6					7	Girder 5	3 places on beam bottom	7	Spall/Exposed Rebar	1.5	1	0.5		
3	Girder 5	bottom flange, at end of girder, at bent 2	2	Spall/Exposed Rebar	3	3	0.5			8	Deck	Top of deck, 10' from left bridge rail	7	Spall	3.5	1	0.5		
3	Girder 5	Top flange, at end of girder, at bent 3	3	Spall	2.5	2.5	0.5			8	Girder 1	End of girder, at bent 8	8	Cracking (PSC)	6				
3	Girder 5	at end of girder, at bent 2	2	Cracking (PSC)	6					8	Girder 1	End of girder, at bent 7	7	Cracking (PSC)	6				
4	Girder 1	bottom flange, at end of girder, at bent 3	3	Spall/Exposed Rebar	2	2.75	0.5			8	Girder 2	South face, at bent 7	7	Spall	2	1	0.5		
4	Girder 1	at end of girder, at bent 3	3	Cracking (PSC)	6					8	Girder 2	North face, at bent 7	7	Spall	1	1	0.5		
4	Girder 1	at end of girder, at bent 4	4	Cracking (PSC)	6					8	Girder 2	End of girder, at bent 8	8	Cracking (PSC)	6				
4	Girder 2	bottom flange, at end of girder, at bent 3	3	Spall/Exposed Rebar	1.5	0.75	0.5			8	Girder 2	End of girder, at bent 7	7	Cracking (PSC)	6				
4	Girder 2	at end of girder, at bent 3	3	Cracking (PSC)	6					8	Girder 3	End of girder, at bent 7	7	Cracking (PSC)	6				
4	Girder 2	at end of girder, at bent 4	4	(x2) Painted spall/Exposed R	1.5	1.5	0.5			8	Girder 3	End of girder, at bent 8	8	Cracking (PSC)	6				
4	Girder 3	at end of girder, at bent 4	4	Spall/Exposed Rebar	3	2.75	0.5			8	Girder 4	North face, bottom flange at beam end	7	(x2) Spall	2	1	0.5		
4	Girder 3	at end of girder, at bent 3	3	Cracking (PSC)	6					8	Girder 4	North face at bent 7	7	(x2) Spall	3.5	1	0.5		
4	Girder 4	North face, at bent 3	3	Spall	0.75	0.75	0.5			8	Girder 4	North face at bent 8	8	Spall	1.25	1	0.5		
4	Girder 4	Bottom flange at bent 3	3	(x2) spall / Exposed Rebar	4	1	0.5			8	Girder 4	South face at bent 8	8	Spall	1	1	0.5		
4	Girder 4	at end of girder, at bent 4	4	Spall/Exposed Rebar	2	1	0.5			8	Girder 4	End of girder, at bent 7	7	Cracking (PSC)	6				
4	Girder 4	at end of girder, at bent 3	3	Cracking (PSC)	6					8	Girder 4	End of girder, at bent 8	8	Cracking (PSC)	6				
4	Girder 4	at end of girder, at bent 4	4	Cracking (PSC)	6					8	Girder 5	End of girder, at bent 8	8	Spall	1	1	0.5		
4	Girder 5	at end of girder, at bent 3	3	Spall	1.5	1	0.5			8	Girder 5	End of girder, at bent 7	7	Cracking (PSC)	6				
4	Girder 5	at end of girder, at bent 4	4	Spall	1.5	1.5	0.5			9	Girder 1	South face, at beam end, at Bent 8	8	Spall	1.5	1	0.75		
5	Girder 1	Top flange, at end of girder, at bent 4	4	Spall	2.5	2.5	0.5			9	Girder 1	Southwest corner at end of girder at bent 8	8	Spall	1	1.5	0.75		
5	Girder 1	at end of girder, at bent 5	5	Cracking (PSC)	6					9	Girder 1	3 places on beam bottom	9	Spall/Exposed Rebar	1.5	1	0.5		
5	Girder 2	Bottom flange, end of girder, at bent 4	4	Spall/Exposed Rebar	1.5	1.75	0.5			9	Girder 2	End of girder at bent 8	8	Cracking (PSC)	6				
5	Girder 2	at end of girder, at bent 5	5	Cracking (PSC)	6					9	Girder 2	3 places on beam bottom	9	Spall/Exposed Rebar	1.5	1	0.5		
5	Girder 2	at end of girder, at bent 4	4	Cracking (PSC)	6					9	Girder 3	End of girder at bent 8	8	Cracking (PSC)	6				
5	Girder 3	At end of Girder at bent 4	4	Cracking (PSC)	6					9	Girder 3	End of girder at bent 9	9	Cracking (PSC)	6				
5	Girder 3	At end of Girder at bent 5	5	Cracking (PSC)	6					9	Girder 3	3 places on beam bottom	9	Spall/Exposed Rebar	1.5	1	0.5		
5	Girder 4	At end of Girder at bent 4	4	Spall/Exposed Rebar	2	2.5	0.5			9	Girder 4	End of girder at bent 9	9	Cracking (PSC)	6				
5	Girder 4	At end of Girder at bent 4	4	Cracking (PSC)	6					9	Girder 4	Bottom of beam Near End	8	Spall/Delam	1	1	0.5		
5	Girder 4	At end of Girder at bent 5	5	Cracking (PSC)	6					9	Girder 4	Bottom of beam Far End	9	Spall/Delam	1	1	0.5		
5	Girder 5	At end of Girder at bent 4	4	Spall	1.5	1.5	0.5			9	Girder 4	3 places on beam bottom	8	Spall/Exposed Rebar	1.5	1	0.5		
5	Girder 5	At end of Girder at bent 5	5	Spall	1	1.5	0.5			9	Girder 5	South face over bent 8	8	(x2) Spall	3	1	0.5		
6	Girder 1	East corner, at end girder at bent 6	6	Spall	2	1	0.5			9	Girder 5	North face at bent 8	8	Spall	1	1	0.5		
										9	Girder 5	End of girder at bent 8	8	Cracking (PSC)	6				

NOTES:

- ALL DEFECTS WERE TAKEN FROM THE 2017 BRIDGE INSPECTION REPORT.
- REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE.
- THE ENGINEER SHALL FILL OUT THE AS-BUILT REPAIR QUANTITY FOR EACH LISTED DEFICIENCY.
- COORDINATE THIS SHEET WITH "CONCRETE RESTORATION DETAILS" AND "SUPERSTRUCTURE CONCRETE REPAIRS" SHEETS.
- IF ADDITIONAL REPAIRS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE CORRESPONDING SHEET THE APPROXIMATE LOCATIONS AND THE DESCRIPTION OF THE REPAIRS, AND WILL ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE AS-BUILT REPAIR QUANTITIES TABLE.
- FOR REPAIRS TO PRESTRESSED CONCRETE GIRDERS, SEE SPECIAL PROVISIONS

DRAWN BY : OMAR M. KHALAFALLA DATE : 10/2018
 CHECKED BY : DIEGO A. AGUIRRE DATE : 10/2018
 DESIGN ENGINEER OF RECORD : JACOB H. DUKE DATE : 10/2018

9/3/2020
 GA:\2017\2012-Brunswick-13\Structures\15BPR,24_SMU_SPR01_090013.dgn
 User: jdebone

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED



9/3/2020



301 FAYETTEVILLE ST., SUITE 1500
 RALEIGH, NC 27601
 (919) 882-7839
 LICENSE #: C-1506

PROJECT NO. 15BPR.24
 BRUNSWICK