

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.)	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.)		
9	Girder 5	End of girder at bent 9	9	Spall	1	1	0.5			16	Girder 2	End of girder at bent 16	16	Cracking	6						
10	Girder 1	2" from South face, at bent 10	10	Cracking (PSC)	2.5					16	Girder 2	3 places on beam bottom	16	Spall/Exposed Rebar	1.5	1	0.5				
10	Girder 1	At end of girder, at bent 10	10	Cracking (PSC)	12					16	Girder 3	1' from end of beam at bent 16	16	(x2) Spalls	3	1	0.5				
10	Girder 2	End of girder at bent 9	9	Cracking (PSC)	6					16	Girder 3	End of girder at bent 15	15	Cracking	6						
10	Girder 3	End of girder at bent 9	9	Cracking (PSC)	6					16	Girder 3	End of girder at bent 16	16	Cracking	6						
10	Girder 3	Near Right Corner	9	Spall/Exposed Rebar	1	1	0.5			16	Girder 3	3 places on beam bottom	16	Spall/Exposed Rebar	1.5	1	0.5				
10	Girder 3	3 places on beam bottom	10	Spall/Exposed Rebar	1.5	1	0.5			16	Girder 4	End of girder at bent 15	15	Cracking	6						
10	Girder 4	At end of girder, at bent 10	10	Cracking (PSC)	6					16	Girder 4	End of girder at bent 16	16	Cracking	6						
10	Girder 4	End of girder at bent 9	9	Spall	1.5	1	0.5			16	Girder 4	3 places on beam bottom	16	Spall/Exposed Rebar	1.5	1	0.5				
10	Girder 4	3 places on beam bottom	10	Spall/Exposed Rebar	1.5	1	0.5			16	Girder 5	End of beam, over bent 16	16	(x3) Spall	3.5	1.5	0.25				
10	Girder 5	End of beam over bent 10	10	Spall	3	3	0.5			16	Girder 5	Bottom of beam over bent 15	15	Spall	1	0.75	0.5				
10	Girder 5	End of girder at bent 9	9	Cracking (PSC)	6					16	Girder 5	South face, 1' from bent 16	16	Spall / Exposed Rebar	1	0.75	0.5				
10	Girder 5	3 places on beam bottom	10	Spall/Exposed Rebar	1.5	1	0.5			16	Girder 5	End of girder at bent 15	15	Cracking	6						
11	Girder 1	End of beam over bent 10	10	Cracking (PSC)	6					16	Girder 5	3 places on beam bottom	16	Spall/Exposed Rebar	1.5	1	0.5				
11	Girder 2	End of beam over bent 10	10	Cracking (PSC)	6					17	Deck	11' from left bridge rail	16	Spall	2	1.5	0.75				
11	Girder 3	End of beam over bent 10	10	Spall	2.75	2.5	0.5			17	Girder 1	South face, over bent 17	17	(x3) spall	4.5	1	0.5				
11	Girder 3	3 places on beam bottom	10	Spall/Exposed Rebar	1.5	1	0.5			17	Girder 1	End of girder at bent 16	16	Cracking	6						
11	Girder 4	End of beam over bent 10	10	Cracking (PSC)	6					17	Girder 1	3 places on beam bottom	17	Spall/Exposed Rebar	1.5	1	0.5				
11	Girder 5	End of beam over bent 11	11	Spall	1.5	1	0.5			16	Girder 2	South face, over bent 16	16	(x2) Spalls	3	0.75	0.5				
11	Girder 5	End of beam over bent 10	10	Spall	1.25	1	0.5			17	Girder 2	End of girder at bent 17	17	Cracking	6						
12	Deck	8' from left bridge rail, at bent 12	12	spall / Unsound Patched Area	6.5	1				17	Girder 2	End of girder at bent 16	16	Cracking	6						
12	Girder 1	North and bottom face 20' from bent 12	12	Spall	1.5	1.5	0.75			17	Girder 2	3 places on beam bottom	17	Spall/Exposed Rebar	1.5	1	0.5				
12	Girder 1	20' and 30' from Bent 12	12	(x2) Spall	1.5	1	0.5			16	Girder 3	At beam end, at bent 16	16	Spall	1.5	1.5	0.5				
12	Girder 2	2' from Bent 12	12	Spall/Delam	1.5	1	0.5			17	Girder 3	End of girder at bent 17	17	Cracking	6						
12	Girder 3	South face at bent 11	11	Spall	3	1.5	1.5			16	Girder 3	End of girder at bent 16	16	Cracking	6						
13	Girder 1	At end of girder, at bent 13	13	Cracking (PSC)	6					17	Girder 3	3 places on beam bottom	17	Spall/Exposed Rebar	1.5	1	0.5				
13	Girder 2	Bottom of beam over bent 12	12	(x2) Spall	2	1	0.5			17	Girder 4	At end of beam over bent 17	17	Spall	1	0.75	0.5				
13	Girder 2	Around Perimeter of Girder, Far End	13	Cracking (PSC)	6					17	Girder 4	End of girder at bent 16	16	Cracking	6						
13	Girder 3	Around Perimeter of Girder, Far End	13	Cracking (PSC)	6					17	Girder 4	End of girder at bent 17	17	Cracking	6						
13	Girder 4	End of girder at bent 13	13	Cracking (PSC)	6					17	Girder 4	3 places on beam bottom	17	Spall/Exposed Rebar	1.5	1	0.5				
14	Girder 1	End of girder at bent 13	13	Spall	1.5	1	0.5			17	Girder 5	End of girder at bent 17	17	Cracking	6						
14	Girder 1	End of girder at bent 14	14	Spall	2	1.5	0.5			17	Girder 5	End of girder at bent 16	16	Cracking	6						
14	Girder 1	3 places on beam bottom	14	Spall/Exposed Rebar	1.5	1	0.5			17	Girder 5	3 places on beam bottom	17	Spall/Exposed Rebar	1.5	1	0.5				
14	Girder 2	End of girder at bent 13	13	Cracking (PSC)	6					18	Girder 1	End of girder at bent 17	17	Cracking	6						
14	Girder 2	End of girder at bent 14	14	Cracking (PSC)	6					18	Girder 1	End of girder at bent 18	18	Cracking	6						
14	Girder 2	3 places on beam bottom	14	Spall/Exposed Rebar	1.5	1	0.5			18	Girder 2	At beam end, at bent 17	17	Spall	1	0.75	0.5				
14	Girder 3	End of girder at bent 14	14	Cracking (PSC)	6					18	Girder 2	End of girder at bent 18	18	Cracking	6						
14	Girder 3	3 places on beam bottom	14	Spall/Exposed Rebar	1.5	1	0.5			18	Girder 3	South face, at bent 17	17	(x2) Spalls	3	1	0.5				
14	Girder 4	End of girder at bent 14	14	Cracking (PSC)	6					17	Girder 3	At beam end, at bent 17	17	Spall	1	0.75	0.5				
14	Girder 4	End of girder at bent 13	13	Cracking (PSC)	6					18	Girder 3	At end of girder, at bent 18	18	Cracking	6						
14	Girder 4	3 places on beam bottom	14	Spall/Exposed Rebar	1.5	1	0.5			18	Girder 4	South face of beam, 1' from bent 18	18	Spall	1	1	0.5				
14	Girder 5	End of girder at bent 13	13	Cracking (PSC)	6					17	Girder 4	End of beam at bent 17	17	Spall	1	1	0.5				
14	Girder 5	End of girder at bent 14	14	Cracking (PSC)	6					18	Girder 4	End of beam at bent 18	18	Cracking	6						
15	Girder 1	End of girder at bent 15	15	Cracking	6					17	Girder 4	End of beam at bent 17	17	Cracking	6						
15	Girder 1	End of girder at bent 14	14	Cracking	6					18	Girder 5	South face, near bent 18	18	(x3) spall	3	1	0.5				
15	Girder 1	3 places on beam bottom	15	Spall/Exposed Rebar	1.5	1	0.5			18	Girder 5	End of beam at bent 18	18	Cracking	6						
15	Girder 2	End of girder at bent 15	15	Cracking	6					19	Girder 1	At end of girder, at bent 19	19	Cracking	6						
15	Girder 2	End of girder at bent 14	14	Cracking	6					19	Girder 2	Bottom of beam at bent 19	19	Spall	1.5	1	0.5				
15	Girder 2	3 places on beam bottom	15	Spall/Exposed Rebar	1.5	1	0.5			19	Girder 3	South face, 1' from end of beam 3 at bent 18	18	(x2) Spall	3	1.5	0.5				
15	Girder 3	End of girder at bent 14	14	Cracking	6					19	Girder 4	Bottom of beam, 1' from bent 18	18	Spall	1	1	0.5				
15	Girder 3	End of girder at bent 15	15	Cracking	6					19	Girder 4	At end of girder at bent 19	19	Cracking	6						
15	Girder 3	3 places on beam bottom	15	Spall/Exposed Rebar	1.5	1	0.5			19	Girder 4	At end of girder at bent 18	18	Cracking	6						
15	Girder 4	3 places on beam bottom	15	Spall/Exposed Rebar	1.5	1	0.5			19	Girder 5	At end of girder at bent 19	19	Cracking	6						
15	Girder 5	End of girder at bent 14	14	Cracking	6					20	Deck	East face of deck, 8' from left bridge rail	19	Spall	1.5	1.5	0.75				
15	Girder 5	End of girder at bent 15	15	Cracking	6					20	Girder 1	Bottom of beam, near bent 19	19	Spall	2	1	0.5				
15	Girder 5	3 places on beam bottom	15	Spall/Exposed Rebar	1.5	1	0.5			20	Girder 1	At end of girder at bent 19	19	Cracking	6						
16	Girder 1	End of girder at bent 15	15	Cracking	6					20	Girder 1	At end of girder at bent 20	20	Cracking	6						
16	Girder 1	End of girder at bent 16	16	Cracking	6					21	Girder 3	Bottom face at bent 20	20	Spall / Delam	1.5	1	0.5				
16	Girder 1	3 places on beam bottom	16	Spall/Exposed Rebar	1.5	1	0.5			21	Girder 4	South corner, end of beam at bent 20	20	spall / Delam	1.5	1	1				
16	Girder 2	End of girder at bent 15	15	Cracking	6																

PROJECT NO. 15BPR.24  
BRUNSWICK COUNTY  
BRIDGE NO. 090013  
SHEET 2 OF 2

- 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



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

## SUPERSTRUCTURE REPAIRS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-16
2			4			TOTAL SHEETS 45

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

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

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED