55 Be	Beam Beam Beam Beam Beam Beam Beam Beam	Location (ft. from nearest bent, etc)  2 Bottom of beam, near mid-span  3 East face at Bent  3 West face at Bent  4 East face, at Bent  4 West face at Bent  4 Bottom of beam, near mid-span  5 West face at Bent  5 East face at Bent  5 Bottom of beam, near mid-span  6 Bottom of beam, near mid-span  6 Bottom of beam, near mid-span  6 Bottom of beam, 1' from Bent  6 West face at Bent  6 East face, bottom of beam at Bent	Bent # Amo  54 1  54 1  54 1  55 1  55 1  55 1  55 1  55 1	Exposed Rebar  Spall  Unsound Patch  Exposed Rebar  Spall  Unsound Patch  Unsound Patch  Exposed Rebar  Unsound Patch  Exposed Rebar  Unsound Patch  Exposed Rebar  Unsound Patch  Exposed Rebar	Length(ft.)       Width(ft.)       Depth(ft.)       Acceptable         1.25       1.25       0.75       0.5         0.75       1.25       0.5       0.5         1.25       1.25       0.5       0.5         1       1.25       0.5       0.5         1       1.5       0.5       0.5         1.25       1.25       0.75       0.75       0.75         1       1.25       0.75	etual (C.F.) Actual Depth (ft.)	Span #         Componen           59         Beam           59         Beam	Location (ft. from nearest bent, etc)  2 East face at Bent  2 West face at Bent  3 East face at Bent  3 East face at Bent  4 Top flange, East face, 1' from Bent  4 East face at Bent	Bent # Amount  59 1  59 1  59 1  59 1  58 1  58 1  58 1	Unsound Patch	Length(ft.) Width(ft.)  1 1.5 1 0.75 0.75 0.75 0.75 1 1 1.75 2.25 1.75 1.5 1.75	Depth(ft.) Actual (C.F.)	Actual Depth (ft.)
55       Be         56       Be	Beam Beam Beam Beam Beam Beam Beam Beam	3 East face at Bent 3 West face at Bent 4 East face, at Bent 4 West face at Bent 4 East face at Bent 5 East face at Bent 5 Bottom of beam, near mid-span 6 Bottom of beam, 1' from Bent 6 West face at Bent	54 1 54 1 55 1 55 1 55 1 55 1 55 2	Spall Unsound Patch Exposed Rebar Spall Unsound Patch Unsound Patch Exposed Rebar Unsound Patch Unsound Patch Exposed Rebar Exposed Rebar Exposed Rebar	0.75     0.75       0.75     1.25       1.25     1.25       1     1       1     1.25       1     1.5       1.25     1.25       0.75     1.5       1     1.25		59         Beam           59         Beam           59         Beam           59         Beam           59         Beam           59         Beam	2 West face at Bent 3 East face at Bent 3 East face at Bent 3 West face at Bent 4 Top flange, East face, 1' from Bent	59     1       59     1       58     1       59     1       58     1	Unsound Patch Unsound Patch Unsound Patch Unsound Patch Unsound Patch	1 0.75 0.75 0.75 0.75 1 1 1.75 2.25 1.75		
55       Be         56       Be         56       Be	Beam Beam Beam Beam Beam Beam Beam Beam	3 West face at Bent 3 Bottom of beam, near mid-span 4 East face, at Bent 4 West face at Bent 4 Bottom of beam, near mid-span 5 West face at Bent 5 East face at Bent 5 Bottom of beam, near mid-span 6 Bottom of beam, near mid-span 6 West face at Bent 6 West face at Bent	54 1 54 1 55 1 55 1 55 1 55 1 55 2	Unsound Patch Exposed Rebar Spall Unsound Patch Unsound Patch Exposed Rebar Unsound Patch Unsound Patch Exposed Rebar Exposed Rebar Exposed Rebar	0.75     1.25       1.25     1.25       1     1     0.5       1     1.25       1     1.5       1.25     1.25       0.75     1.5       1     1.25		59         Beam           59         Beam           59         Beam           59         Beam           59         Beam	3 East face at Bent 3 East face at Bent 3 West face at Bent 4 Top flange, East face, 1' from Bent	59 1 58 1 59 1 58 1	Unsound Patch Unsound Patch Unsound Patch Unsound Patch	0.75     0.75       0.75     1       1     1.75       2.25     1.75		
55 Be 56 Be	Beam Beam Beam Beam Beam Beam Beam Beam	3 Bottom of beam, near mid-span 4 East face, at Bent 4 West face at Bent 4 Bottom of beam, near mid-span 5 West face at Bent 5 East face at Bent 5 Bottom of beam, near mid-span 6 Bottom of beam, near mid-span 6 West face at Bent 6 West face at Bent	54 1 55 1 54 1 55 1 55 1 55 1 55 2	Exposed Rebar  Spall  Unsound Patch  Unsound Patch  Exposed Rebar  Unsound Patch  Unsound Patch  Exposed Rebar	1.25     1.25       1     1     0.5       1     1.25       1     1.5       1.25     1.25       0.75     1.5       1     1.25		59         Beam           59         Beam           59         Beam           59         Beam           59         Beam	3 East face at Bent 3 West face at Bent 4 Top flange, East face, 1' from Bent	58 1 59 1 58 1	Unsound Patch Unsound Patch Unsound Patch	0.75 1 1 1.75 2.25 1.75		
55       Be         56       Be         56       Be	Beam Beam Beam Beam Beam Beam Beam Beam	4 East face, at Bent 4 West face at Bent 4 East face at Bent 4 Bottom of beam, near mid-span 5 West face at Bent 5 East face at Bent 5 Bottom of beam, near mid-span 6 Bottom of beam, 1' from Bent 6 West face at Bent	55 1 54 1 55 1 55 1 55 2	Spall Unsound Patch Unsound Patch Exposed Rebar Unsound Patch Unsound Patch Exposed Rebar	1     1     0.5       1     1.25       1     1.5       1.25     1.25       0.75     1.5       1     1.25		59         Beam           59         Beam           59         Beam	3 West face at Bent 4 Top flange, East face, 1' from Bent	59 <b>1</b> 58 <b>1</b>	Unsound Patch Unsound Patch	1 1.75 2.25 1.75		
55 Be 56 Be 56 Be	Beam Beam Beam Beam Beam Beam Beam Beam	4 West face at Bent 4 East face at Bent 4 Bottom of beam, near mid-span 5 West face at Bent 5 East face at Bent 5 Bottom of beam, near mid-span 6 Bottom of beam, 1' from Bent 6 West face at Bent	55 1 54 1 55 1 55 1 55 2	Unsound Patch Unsound Patch Exposed Rebar Unsound Patch Unsound Patch Exposed Rebar	1 1.25 1 1.5 1.25 1.25 0.75 1.5 1 1.25		59         Beam           59         Beam	4 Top flange, East face, 1' from Bent	58 1	Unsound Patch	2.25 1.75		
55       Be         56       Be         56       Be	Beam Beam Beam Beam Beam Beam Beam Beam	4 East face at Bent 4 Bottom of beam, near mid-span 5 West face at Bent 5 East face at Bent 5 Bottom of beam, near mid-span 6 Bottom of beam, 1' from Bent 6 West face at Bent	54 1 2 55 1 55 1 55 2	Unsound Patch Exposed Rebar Unsound Patch Unsound Patch Exposed Rebar	1 1.5 1.25 1.25 0.75 1.5 1.25		59 Beam					+ + +	
55       Be         56       Be         56       Be	Beam Beam Beam Beam Beam Beam Beam Beam	4 Bottom of beam, near mid-span 5 West face at Bent 5 East face at Bent 5 Bottom of beam, near mid-span 6 Bottom of beam, 1' from Bent 6 West face at Bent	55 1 55 1 55 2 55 2	Exposed Rebar Unsound Patch Unsound Patch Exposed Rebar	1.25 1.25 0.75 1.5 1 1.25			4 East face at Bent	EQ   1	D = 1 =	15   175		
55       Be         56       Be	Beam Beam Beam Beam Beam Beam Beam Beam	5 West face at Bent 5 East face at Bent 5 Bottom of beam, near mid-span 6 Bottom of beam, 1' from Bent 6 West face at Bent	55 1 2 55 2	Unsound Patch Unsound Patch Exposed Rebar	0.75 1.5 1 1.25		∣ 59 ∣ Beam		58 1	Delam			
55       Be         55       Be         55       Be         55       Be         55       Be         55       Be         56       Be         56       Be	Beam Beam Beam Beam Beam Beam Beam	5 East face at Bent 5 Bottom of beam, near mid-span 6 Bottom of beam, 1' from Bent 6 West face at Bent	55 1 2 55 2	Unsound Patch Exposed Rebar	1 1.25			5 with exposed reinforcing, bottom of beam, at Bent	59 2	Spall	0.75 2.25		
55       Be         55       Be         55       Be         55       Be         55       Be         55       Be         56       Be         56       Be	Beam Beam Beam Beam Beam Beam	5 Bottom of beam, near mid-span 6 Bottom of beam, 1' from Bent 6 West face at Bent	55 2	Exposed Rebar			59 Beam	5 West face at Bent	59 1	Unsound Patch	1 1.25		
55       Be         55       Be         55       Be         55       Be         55       Be         56       Be         56       Be	Beam Beam Beam Beam Beam	6 Bottom of beam, 1' from Bent 6 West face at Bent		<u> </u>	405   405		59 Beam	6 East face at Bent	58 1	Unsound Patch	0.75 1.5		
55       Be         55       Be         55       Be         55       Be         56       Be         56       Be	Beam Beam Beam Beam	6 West face at Bent		Enall	1.25 1.25 1.25 1.5		59 Beam 59 Beam	6 West face at Bent	59 1	Unsound Patch	0.75 1		_
55       Be         55       Be         55       Be         56       Be         56       Be	Beam Beam Beam		33   1	Spall Unsound Patch				6 with exposed reinforcing, bottom of beam at Bent	59 2	Spall	0.75 1		
55 Be 55 Be 56 Be 56 Be	Beam Beam	o   Last lace, notivili di nealli at Delit	55 1	Unsound Patch Unsound Patch	0.75 <b>1</b> 0.75 <b>1.2</b> 5		60 Lt. Deck Overhan 60 Rt. Deck Overhan		60 1 60 1	Spall Delam	1.5 1.25 0.75 1		
55 Be 56 Be 56 Be	Beam	6 West face at Bent	54 1	Unsound Patch	1.25 0.75		60 Rt. Deck Overnan	1 East face at Bent	59 1	Unsound Patch	1 1.5		+
56 Be 56 Be		6 Bottom of beam, near mid-span	34 3	Exposed Rebar	1.25 1.25		60 Beam	2 with exposed reinforcing, West face, 3' from Bent	59 2	Spall	1.25 1	_	+
56 Be	Beam	1 East face at Bent	56 1	Unsound Patch	1 1.25		60 Beam	2 East face, at Bent	60 1	Unsound Patch	0.75 1.25		
	Beam	1 East face at Bent	55 1	Unsound Patch	1 1.5		60 Beam	2 East face at Bent	59 1	Unsound Patch	1 1.5	-	+
56 Be		2 West face at Bent	56 1	Unsound Patch	0.75 1.25		60 Beam	3 East face at Bent	60 1	Unsound Patch	0.75 1.25	+	+
		2 East face at Bent		Unsound Patch	1 1		60 Beam	3 East face at Bent		Unsound Patch	0.75 1.25		
		2 West face at Bent	55 1	Unsound Patch	1 1.5		60 Beam	3 Bottom of beam, 40' from Bent	60 1	Spall	1 1	+	
	Beam	3 East face at Bent	56 1	Unsound Patch	1 0.75		60 Beam	4 Longitudinal crack, East face, starts 3' from Bent	60 1	Cracking	3.5	+ +	1
	Beam	3 East face at Bent	55 1	Unsound Patch	1 1		60 Beam	4 West face at Bent	59 1	Unsound Patch	0.75 1.5	+	1
56 Be	Beam	4 with exposed reinforcing, bottom of beam, 1' from Bent	56 2	Spall	1 1.5		60 Beam	4 Bottom of beam, 40' from Bent	59 1	Spall	1 1	+	
56 Be	Beam	4 West face at Bent	55 1	Unsound Patch	1 1.5		60 Beam	5 East face at Bent	59 1	Unsound Patch	0.75 1	†	
56 B€	Beam	4 West face at Bent	56 1	Delam	1.5 1		60 Beam	5 West face at Bent	59 1	Unsound Patch	0.75 1.25	1	
56 Βε	Beam	5 East face at Bent	55 1	Unsound Patch	1 1.25		60 Beam	6 West face at Bent	59 1	Unsound Patch	0.75 1		
56 Βε	Beam	6 with exposed strand, West face at Bent	55 1	Spall	1 1.25 0.75		61 Rt. Deck Overhan	Deck underside, 1' from Bent	60 1	Delam	0.75 1		
56 Be	Beam	6 West face at Bent	56 1	Unsound Patch	0.75 1		61 Beam	1 Longitudinal crack, East face, starts 3' from Bent	61 1	Cracking	5.5		
57 Βε	Beam	1 West face at Bent	56 1	Delam	1 1.5		61 Beam	2 with exposed reinforcing, bottom of beam, 1' from B	ent 61 3	Spall	1 1.25		
57 Βε	Beam	2 East face at Bent	57 1	Unsound Patch	0.75 1.25		61 Beam	2 with exposed strand, East face at Bent	61 1	Spall	1 1.25		
57 Βε	Beam	2 40' from Bent	56 1	Spall	1 1		61 Beam	2 West face at Bent	60 1	Unsound Patch	1 1.25		
57 Be	Beam	4 East face, at Bent	56 1	Unsound Patch	1 1.25		61 Beam	2 Longitudinal crack, East face, starts 2' from Bent	61 1	Cracking	11.5		
57 Be	Beam	4 East & West faces at Bent	57 1	Unsound Patch	1 1.25		61 Beam	2 East face, 3' from Bent	61 2	Exposed Rebar	1.5 1.5		
57 Be	Beam	6 West face at Bent	56 1	Unsound Patch	0.75 1		61 Beam	3 East face, at Bent	61 1	Spall	0.75 1	0.5	
57 Be	Beam	6 East face at Bent	56 1	Unsound Patch	0.75 1.25		61 Beam	3 Longitudinal crack, East face, starts 3' from Bent	61 1	Cracking	5.5		
	Beam	6 with exposed reinforcing, bottom of beam at Bent	57 2	Spall	1 1		61 Beam	4 Longitudinal crack, East & West faces, starts 3' from		Cracking	3.5		
	ck Overhang	Deck underside, at mid-span	1	Delam	1 1		61 Beam	5 with exposed reinforcing, bottom of beam, at Bent	61 3	Spall	0.75 1.25		
	Beam	1 West face, 2' from Bent	57 1	Exposed Rebar	1.5 1.5		61 Beam	6 Longitudinal crack, East & West face, starts 3' from		Cracking	15.5		
		2 East face at Bent	57 1	Unsound Patch	1 1.5		61 Beam	6 with exposed reinforcing, bottom of beam at Bent	61 1	Spall	0.75 0.75		
	Beam	3 East face at Bent	57 1	Unsound Patch	1 1.25		62 Beam	1 Longitudinal crack, East face, starts 2' from Bent	62 1	Cracking	4.5		
	Beam	3 Bottom of beam, 40' from Bent	57 1	Spall	1 0.5		62 Beam	1 East face at Bent	61 1	Spall	0.75 1	0.5	
		4 East face at Bent	58 1	Unsound Patch	1 1.25		62 Beam	2 Longitudinal crack, West face, starts 4' from Bent		Cracking	1.75		
		5 West face at Bent		Unsound Patch	1 1.5		62 Beam	2 Long. & vert. cracks, East & West face, starts 1' from		Cracking	2		
		5 East face, 10' from Bent	57 1	Exposed Rebar	1.5 1.5		62 Beam	3 Longitudinal crack, East & West faces, starts 3' from		Cracking Unas and Batch	5.5		
		6 East face at Bent	57 1	Unsound Patch	0.75 1.5		62 Beam	3 East face , 4.5' from Bent	62 1	Unsound Patch	1 0.75	0.5	
	Beam	6 East face at Bent	57 1	Unsound Patch	1.25 1.25		62 Beam	4 Longitudinal crack, East face, starts 5' from Bent	62 1	Cracking	3.5		
	erete Deck	12' from Bent	58 1	Delam	1.5 1.5		62 Beam	<ul> <li>4 with exposed reinforcing, bottom of beam at Bent</li> <li>5 with exposed reinforcing, bottom of beam at Bent</li> </ul>		Spall Spall	0.75 <b>1</b> 0.75 0.75		
59 Be 59 Be	Beam	<ul><li>1 East face, at Bent</li><li>2 with exposed strand at Bent</li></ul>	59 1 58 1	Unsound Patch Spall	1 1		62 Beam	The state of the s	62 2	1 301401	11/5		

PROJECT NO. 15BPR.25

BRUNSWICK COUNTY

BRIDGE NO. 14

DEF

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

SUPERSTRUCTURE DEFICIENCIES

REVISIONS SHEET NO.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED 2 4 111

SHEET 5 OF 6

NOTES:

ALL DEFECTS WERE TAKEN FROM THE 2017 BRIDGE INSPECTION REPORT.

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RALEIGH, NC 27609

(919) 882-7839

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DATE: 03-2018

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DATE: 03-2018