Span #	Component	Location (ft. from nearest bent, etc)	Bent #	Defect Description	Length(ft.)	Width(ft.)	*Depth(ft.)
142	Under Deck	bay 3, 2' from bent	141	Spalling/rebar exposed	0.5	0.5	0.167
142	Under Deck	bay 1, 3' from bent	141	Spalling/rebar exposed	1.25	0.75	0.167
142	Girder 2	17' from bent	141	Delam/cracking	1	0.5	0.5
142	Under Deck	bay 1, 3' from bent	141	Spalling/rebar exposed	2.25	1	0.167
142	Under Deck	bay 2, 6' from bent	141	Spalling/rebar exposed	5.5	2.25	0.25
142	Under Deck	bay 1, 2' from bent	142	Spalling/steel exposed	0.5	0.5	0.167
142	Girder 3	at bent	142	Delam at patch	1	0.5	0.5
143	Lt. Deck Overhang	1' from bent	142	(x2)Spalling/rebar exposed	1	0.5	0.167
143	Girder 1	33' from bent, bottom left flange	143	Spalling/strands exposed (100% loss)	2	0.75	0.75
143	Under Deck	bay 2, 8' from bent	143	Spalling/steel exposed	0.5	0.5	0.167
144	Girder 4	4' from bent, bottom left flange	143	Spalling/stands exposed (20% loss)	2	0.5	0.5
144	Girder 2	8' from bent, bottom face	143	Delam	1	0.75	0.167
144	Under Deck	bay 1, near bent	143	Spalling/rebar exposed	1	0.75	0.167
144	Lt. Deck Overhang	at bent	143	Delam at patch	1	0.75	0.167
144	Girder 2	3' from bent, bottom face	144	Spalling/strands exposed (10% loss)	1.25	1.5	0.167
144	Under Deck	bay 1, 5' from bent	144	Delam	1	1	0.167
145	Rt. Deck Overhang	S Face	144	Spalling/rebar exposed	0.5	0.5	0.167
145	Under Deck	bay 2	145	Delam	1	1	0.167
145	Under Deck	bay 1	145	Spalling/rebar exposed	0.75	0.75	0.167
145	Lt. Deck Overhang	mid span	145	Spalling/rebar exposed	1	0.75	0.167
145	Rt. Deck Overhang	near mid span	145	(x2)Spalling/rebar exposed	1.5	0.5	0.167
145	Girder 3	1' from bent, bottom face	145	Spalling/strands exposed (100% loss)	3.25	0.5	1
145	Girder 3	1' from bent, bottom right flange	145	Delam at patch	2.75	1.5	0.5
145	Girder 1	6' from bent	145	Delam	1.25	0.5	0.5
146	Under Deck	bay 3, 6' from bent	145	(x2)Delam	1.5	1	0.167
146	Girder 1	10' from bent, bottom face	145	Spalling/strands exposed (10% loss)	1.5	2	0.167
146	Girder 2	at bent, bottom left flange	145	Spalling/strands exposed (10% loss)	3	0.75	0.5
146	Girder 2	3' from bent, bottom right flange	145	Delam at patch	1.5	0.5	0.5
146	Under Deck	bay 3, near bent	145	Spalling/rebar exposed	2	0.5	0.167
146	Girder 1	22' from bent, bottom face	145	Delam	1.75	0.75	0.167
146	Under Deck	bay 1, near bent	145	(x5)Spalling/rebar exposed	2.5	1	0.25
146	Under Deck	bay 3, 3' from bent	146	Spalling/rebar exposed; delam	1.25	1.25	0.167
	Under Deck	bay 2	146	Delam	1	1	0.167
	Lt. Deck Overhang	N Face	147	Spalling/rebar exposed	0.75	0.75	0.167
147	Girder 2	at bent, bottom left flange	147	Delam at patch	2	0.75	0.75
147	Girder 2	2' from bent, bottom right flange	147	Spalling/strands exposed	1.75	0.75	0.75
	Rt. Deck Overhang	S Face	147	Spalling/rebar exposed	0.5	0.5	0.167
147	End Diaphragm	at bent	147	Spalling/rebar exposed; delam	1.75	1	0.167
147	Lt. Deck Overhang	12' from bent	147	Spalling/rebar exposed	0.75	0.75	0.167
148	Girder 2	3' from bent, bottom face	147	Delam/cracking	0.75	0.5	0.167
148	Girder 3	8' from bent, bottom right flange	147	Spalling/strands exposed (10% loss)	2	0.5	0.5
148	Girder 3	1' from bent, bottom face	147	Delam	3	1.5	0.75
148	Under Deck	bay 1, 5' from bent	148	Spalling/rebar exposed	1	1	0.167
148	Girder 3	15' from bent, bottom face	148	Delam	3.5	1.5	0.167
149	Lt. Deck Overhang	N Face	148	(x2)Delam	1	1	0.167
149	Lt. Deck Overhang	N Face	148	Delam	0.75	0.75	0.167
149	Lt. Deck Overhang	mid span	148	Spalling	0.75	0.5	0.167
149	Under Deck	2' from bent	148	Spalling/rebar exposed	0.75	0.75	0.167
149	Lt. Deck Overhang	1' from bent	148	(x2) Spalling/rebar exposed	0.75	0.75	0.167
149	Under Deck	bay 2, 8' from bent	148	Spalling/rebar exposed	1.75	0.75	0.167
149	Girder 3	15' from bent, bottom right flange	148	Spalling/strands exposed (20% loss)	4.5	0.75	0.5
149	Under Deck	bay 3, 4' from bent	148	Spalling/rebar exposed	1.5	1	0.167
149	Under Deck	bay 3	149	Spalling/steel exposed	0.5	0.5	0.167
149	Under Deck	bay 1	149	(x2)Delam	1.75	1.5	0.167
149	End Diaphragm	bay 1	149	Spalling/steel exposed	0.5	0.5	0.167
149	Lt. Deck Overhang	8' from bent	149	Delam	1	0.75	0.167
149	Lt. Deck Overhang	10' from bent	149	Delam	0.75	0.75	0.167
149	Lt. Deck Overhang	20' from bent	149	Spalling/rebar exposed	0.75	0.75	0.167
149	Lt. Deck Overhang	5' from bent	149	Spalling/rebar exposed	0.75	0.75	0.167
149	Lt. Deck Overhang	28' from bent	149	Delam	0.5	0.5	0.167
149	Under Deck	bay 2	149	Spalling/steel exposed	0.5	0.5	0.167
149	Under Deck	bay 2	149	Spalling/rebar exposed	0.5	0.5	0.167
149	Girder 4	16' from bent, bottom left flange	149	Spalling/strands exposed	2.25	0.75	0.5
149	Girder 3	10' from bent, bottom left flange	149	Spalling/strands exposed (20% loss)	4.5	1	0.5
149	Lt. Deck Overhang	2' from bent	149	Spalling/rebar exposed	0.5	0.5	0.167
150	Lt. Deck Overhang	3' from bent	149	Spalling/rebar exposed	0.5	0.5	0.167
150	Girder 1	6' from bent, bottom right flange	149	(x2)Delam	3.5	0.75	0.75
150	Girder 4	18' from bent, bottom left flange	150	Spallinig/strands exposec (60% loss)	2.5	0.75	0.5
150	Girder 2	4' from bent, bottom flange	150	Rust spot	0.25	0.25	0.167
150	Girder 3	6' from bent, bottom left flange	150	Spalling/strands exposed (10% loss)	3.75	1	0.167
150	Girder 2	15' from bent	150	Spalling/strand exposed	1.5	0.75	0.5
151	Girder 2	24' from bent, bottom face	150	Spalling/steel exposed	0.25	0.25	0.167
151	Girder 3	5' from bent, bottom right flange	150	Delam	2	1	0.167
151	Girder 3	3' from bent, bottom left flange	150	Delam	1.5	0.75	0.167
151	Girder 2	1' from bent	150	Spalling/strands exposed (10% loss)	1.5	0.5	0.5
151	Lt. Deck Overhang	both spans, at bent	151	(x2)Spalling/rebar exposed	2.5	1.5	0.167
151	Girder 4	23' from bent	151	Spalling	1.5	0.5	0.167
151	Girder 4	19' from bent, bottom face	151	Spalling/strands exposed (30% loss)	2.25	0.75	0.167
151	Under Deck	bay 2, near bent	151	(x2)Spalling/rebar exposed; delam	1.75	1	0.25

Span #	Component	Location (ft. from nearest bent, etc)	Bent #	Defect Description	Length(ft.)	Width(ft.)	*Depth(ft.)
151	Girder 4	6' from bent, bottom left flange	151	Delam	3.5	1.5	0.25
151	Lt. Deck Overhang	5' from bent	151	Spalling/rebar exposed	1.75	1.5	0.167
151	Rt. Deck Overhang	at bent	151	Spalling/rebar exposed; delam	1.5	1	0.167
152	Under Deck	bay 1, near bent	152	Spalling/rebar exposed	0.75	0.75	0.167
152	Girder 3	1' from bent, bottom face	152	Delam at patch	1	0.5	0.5
152	End Diaphragm	at bent	152	Delam	0.75	0.75	0.167
153	Under Deck	bay 3, 2' from bent	152	Spalling/rebar exposed	1.25	1	0.167
153	Girder 3	16' from bent	152	Spalling/strand exposed; delam at patch	3	0.75	0.75
153	Girder 2	19', 20', 23' from bent	153	Spalling/strands exposed (30% loss)	4	2.5	0.25
155	Girder 3	8' from bent	154	Rust spot	0.25	0.25	0.167
155	Girder 2	20' from bent	154	Delam	2	0.5	0.5
	Lt. Deck Overhang	N face	155	Delam	0.5	0.5	0.167
155	End Diaphragm	bay 4	155	Delam	1	0.75	0.167
155	Girder 3	8' from bent	155	Delam	0.75	0.5	0.5
155	Girder 5	24' from bent, bottom face	155	Exposed steel on bottom face	0.25	0.25	0.167
155	End Diaphragm	bay 3	155	Spalling/rebar exposed	0.75	0.5	0.167
155	Under Deck	bay 3	155	(x2) Delam	1.5	1.25	0.167
155	Under Deck	bay 2	155	(x3)Spalling/rebar exposed	1.5	1.25	0.167
156	Under Deck	bay 2, 6' from bent	155	Spalling/rebar exposed; delam	2.25	1	0.167
156	Under Deck	bay 2	155	Spalling/rebar exposed	1	1	0.167
156	Girder 2	1' from bent, bottom right flange	155	Delam	1.25	1	0.5
156	Girder 3	2' from bent, bottom left flange	155	Spall/delam at patch	1	0.5	0.5
156	Girder 3	20' & 23' from bent, bottom left flange	155	(x2)Spalling/strands exposed (10% loss)	3.25	0.75	0.5
156	Girder 2	18' from bent, bottom right flange	155	Spalling/strands exposed (10% loss)	2.25	0.25	0.167
156	Girder 4	4' from bent, bottom left flange	156	Delam	2.25	1	0.33
156	Girder 4	10' from bent, bottom left flange	156	Spalling/strands exposed	3.25	0.5	0.5
156	Girder 3	10' from bent	156	Delam	1.75	1	0.5
156	Girder 4	4' from bent, bottom left flange	156	Delam behing bearing	2.25	1	0.167
157	Girder 2	at bent	156	Delam	0.5	0.5	0.167
157	Girder 2	10' from bent, bottom face	156	Delam	3.5	1.5	0.167
157	Under Deck	bay 3, 2' from bent	156	Spalling/rebar exposed	0.75	0.75	0.167
157	Lt. Deck Overhang	at bent	156	(x2)Spalling/rebar exposed	2.5	0.75	0.167
157	Girder 1	2' from bent, bottom face	156	Spalling/strands exposed	3.5	1	0.75
157	Span Shot	Between Bents 156 and 157	156	Spallingw/rust present, Delams	0	0	0
157	Span Shot	Between Bents 156 and 157	156	Spallingw/rust present, Delams	0	0	0
157	Girder 2	12' from bent, bottom left flange	156	Spalling/strands exposed (20% loss)	3.25	1.25	0.5
157	Girder 2	5' from bent, bottom face	156	Spalling/strands exposed (50% loss)	3.75	1.5	0.25
157	Girder 2	20' from bent	156	Spalling/strands exposed (10% loss)	4.5	0.5	0.167
157	Girder 1	3' from bent	156	Spalling/strands exposed (20% loss)	5.75	1	0.25
157	Girder 2	17' from bent	156	Delam at patch	3	1.5	0.5
157	Girder 2	10' from bent, bottom face	156	Delam	3.5	1.5	0.167
157	Girder 2	2' from bent, bottom right face	156	Spalling/strands exposed	4	0.75	0.75
157	Girder 2	21' from bent	156	Spalling/strands exposed	4	1	0.75
157	Lt. Deck Overhang	at bent	157	Spalling/rebar exposed	0.5	0.5	0.167
157	Girder 4	25' from bent	157	Spalling/strand exposed	2	0.75	0.5
157	Under Deck	bay 2, 3'&5' from bent	157	Spalling/rebar exposed	3	3	0.167
157	Girder 2	1' from bent	157	Delam at patch	1	0.5	0.5
157	Girder 2	4' from bent, bottom left flange	157	Delam	5.25	1.5	0.167
158	Girder 2	9' from bent, bottom left flange	157	Delam	3.5	1	0.167
158	Under Deck	bay 2	158	Spalling/rebar exposed	1	1	0.167
158	Girder 2	1' from bent, bottom left flange	158	Delam at patch	1.25	0.5	0.5
158	Girder 3	22' from bent, bottom left flange	158	Spalling/strands exposed (10% loss)	2	0.5	0.25
158	Girder 3	19' from bent, bottom right flange	158	Spalling/strands exposed (10% loss)	2	0.5	0.5
159	Girder 2	at bent, bottom right flange	158	Spalling/strands exposed behind bearing	0.75	0.5	0.167
159	Girder 2	26' from bent	158	Spalling/steel exposed	0.25	0.25	0.167
159	Lt. Deck Overhang	at drain pipe	158	Delam	1.25	1.25	0.167
159	Girder 2	12' from bent	158	Spalling/strands exposed; delam	2	0.5	0.5
159	Under Deck	bay 2	159	Spalling/rebar exposed; delam	2	1.25	0.167
159	Under Deck	bay 2	159	Spalling/rebar exposed	1.75	1	0.167
159	Under Deck	bay 2	159	Spalling/rebar exposed; delam	2	1.25	0.167
159	Girder 2	1' from bent, bottom right flange	159	Spalling/strands exposed (10% loss)	3	1	0.5
159	Lt. Deck Overhang	near bent	159	Spalling/rebar exposed	1	0.75	0.167
159	Lt. Deck Overhang	near bent	159	Delam	1	1	0.167
160	Lt. Deck Overhang	near bent	159	Spalling/rebar exposed	0.75	0.75	0.167
160	Lt. Deck Overhang	near bent	159	Spalling/rebar exposed	0.75	0.75	0.167
160	Girder 2	1' from bent	159	Delam at patch	1	0.5	0.5
160	Girder 1	10' from bent	159	Delam at patch	1	0.5	0.5
160	Girder 2	20' from bent	159	Delam at patch	1.75	0.5	0.5
160	Girder 2	28' from bent	159	Delam at patch	1	0.5	0.5
160	Girder 1	30' from bent	159	Delam at patch	2.5	1	0.75
160	End Diaphragm	at right overhang	160	Spalling/rebar exposed	0.5	0.5	0.167
161	Girder 4	16' from bent	160	Spalling/strands exposed	2	0.5	0.5
161	End Diaphragm	bay 1	161	Delam	1.5	0.5	0.5
162	Girder 3	24' from bent, bottom face	162	Delam	0.75	0.75	0.167
163	Under Deck	bay 3	163	Spalling/steel exposed	0.5	0.5	0.167
163	Girder 1	5' from bent	163	Delam	2	0.75	0.5
163	Girder 3	at bent, right web	163	Cracking	2	2	0.167
164	Under Deck	bay 3, near mid span	163	Spalling/rebar exposed	0.5	0.5	0.167
164	Girder 2	at bent, left face	163	Spalling/rebar exposed	1.5	0.5	0.167

DRAWN BY : T.S. CHILDRESS DATE : 10-16
CHECKED BY : - DATE : -
DESIGN ENGINEER OF RECORD: - DATE : -

$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

PROJECT NO. B-5937
CURRITUCK/DARE COUNTY
STATION: BRIDGE NO. 16

DocuSigned by:
Samuel Cullum
19C97095C75A467...

NORTH CAROLINA PROFESSIONAL SEAL 043571 ENGINEER SAMUEL L. CULLUM
12/13/2016

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE DEFICIENCIES (4 OF 6)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-277
1			3			TOTAL SHEETS
2			4			