

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
149	END DIA.	@ BENT 147	2' X 0.5'		DIAPHRAGM	3
149	END DIA.	@ BENT 149	2' X 0.5'		DIAPHRAGM	2
149	G-1	@ BENT 147	0.5' X 0.5'		WEB	LT EXT
150	END DIA.	@ BENT 147	2.5' X 0.7'		DIAPHRAGM	2
150	END DIA.	@ BENT 147	2' X 0.7'		DIAPHRAGM	1
150	END DIA.	@ BENT 147	3' X 0.7'		DIAPHRAGM	2
150	G-4	@ BENT 150	0.7' X 0.7'		* BOTTOM FLANGE	3
151	END DIA.	@ BENT 147	2' X 0.5		DIAPHRAGM	2
151	G-1	@ BENT 147	0.6' X 0.6'		* BOTTOM FLANGE	LT EXT
151	G-1	@ BENT 147	0.7' X 0.8'		* BOTTOM FLANGE	1
151	G-4	@ BENT 147	3' X 0.5		* BOTTOM FLANGE	3
152	END DIA.	@ BENT 147	2' X 0.7'		DIAPHRAGM	2
152	END DIA.	@ BENT 151	1' X 1'		DIAPHRAGM	2
152	G-2	@ BENT 152	1' X 0.8'		* BOTTOM FLANGE	1
152	G-3	@ BENT 147	0.5' X 0.7'		* BOTTOM FLANGE	3
153	END DIA.	@ BENT 152	3.5' X 0.5'		DIAPHRAGM	2
153	END DIA.	@ BENT 152	3.5' X 0.5'		DIAPHRAGM	1
153	END DIA.	@ BENT 152	1' X 1'		DIAPHRAGM	LT EXT
153	END DIA.	@ BENT 153	2.5' X 0.8'		DIAPHRAGM	2
154	END DIA.	@ BENT 153	5' X 0.5'		DIAPHRAGM	2
154	END DIA.	@ BENT 153	3' X 0.3'		DIAPHRAGM	3
154	G-4	@ BENT 154	0.7' X 0.7'		* BOTTOM FLANGE	3
155	END DIA.	@ BENT 154	2.5' X 0.3'		DIAPHRAGM	2
155	END DIA.	@ BENT 154	6' X 0.3'		DIAPHRAGM	3
155	END DIA.	@ BENT 155	5' X 1'		DIAPHRAGM	1
155	END DIA.	@ BENT 155	3' X 1'		DIAPHRAGM	2
155	END DIA.	@ BENT 155	4.5' X 2.7'		DIAPHRAGM	1
155	G-2	@ BENT 155	0.7' X 0.7'		* BOTTOM FLANGE	2
155	G-3	@ BENT 155	0.7' X 0.7'		* BOTTOM FLANGE	2
156	END DIA.	@ BENT 156	2' X 1.5'		DIAPHRAGM	1
156	G-2	@ BENT 155	0.8' X 1'		* BOTTOM FLANGE	1
157	END DIA.	@ BENT 156	6.5' X 0.7'		DIAPHRAGM	2
157	END DIA.	@ BENT 156	4' X 5'		DIAPHRAGM	3
157	G-2	@ BENT 157	0.7' X 0.7'		* BOTTOM FLANGE	1
157	G-3	1' FROM BENT 157	3' X 0.5'		* BOTTOM FLANGE	2
157	G-4	@ BENT 158	0.7' X 0.7'		* BOTTOM FLANGE	3
158	END DIA.	@ BENT 158	4.5' X 0.7'		DIAPHRAGM	1
159	END DIA.	@ BENT 158	1' X 1.5'		DIAPHRAGM	1
159	END DIA.	@ BENT 158	6.5' X 1.5'		DIAPHRAGM	2
159	END DIA.	@ BENT 158	0.7' X 0.7'		DIAPHRAGM	3
159	END DIA.	@ BENT 159	1' X 1.5'		DIAPHRAGM	2

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
161	END DIA.	@ BENT 160	1' X 0.5'		DIAPHRAGM	2
161	END DIA.	@ BENT 160	2' X 0.7'		DIAPHRAGM	1
161	END DIA.	@ BENT 161	1.5' X 0.3'		DIAPHRAGM	2
161	END DIA.	@ BENT 161	1.5' X 0.7'		DIAPHRAGM	3
161	G-3	3' FROM BENT 160	0.5' X 0.5'		WEB	2
162	END DIA.	@ BENT 161	5' X 0.5'		DIAPHRAGM	2
162	END DIA.	@ BENT 162	1' X 1'		DIAPHRAGM	1
162	G-1	@ BENT 162	0.8' X 1'		* BOTTOM FLANGE	1
162	G-3	@ BENT 161	0.5' X 0.5'		* BOTTOM FLANGE	2
163	END DIA.	@ BENT 162	2' X 0.5'		DIAPHRAGM	2
163	END DIA.	@ BENT 163	5.5' X 0.5'		DIAPHRAGM	3
163	G-2	@ BENT 162	0.8' X 1'		* BOTTOM FLANGE	1

REPAIR QUANTITY TABLE						
SPAN	REPAIR TYPE	QUANTITIES				
		ESTIMATE		ACTUAL		
		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
149-163	SHOTCRETE					
	GIRDERS	0.50	0.15			
	DIAPHRAGMS	97.84	48.92			
	DECK	0.00	0.00			
EPOXY MORTAR		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
	GIRDERS	10.66	3.11			

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MIN. OF 1" BEHIND REBAR AND MIN. 1" CL TO SAWCUT. SEE REPAIR DETAILS.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR EPOXY MORTAR REPAIRS, SEE SPECIAL PROVISIONS.

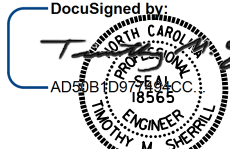
CONTRACTOR MAY ELECT TO USE EPOXY MORTAR IN LIEU OF SHOTCRETE.

* ALL REPAIRS IN GIRDER FLANGE OR INCLUDING GIRDER FLANGE IN REPAIR SHALL BE EPOXY MORTAR.

PROJECT NO. B-5936
TYRRELL COUNTY
BRIDGE NO. 7

SHEET 14 OF 22

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
GIRDER, DIAPHRAGM & UNDERDECK REPAIRS					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
TOTAL SHEETS					394

DocuSigned by:

10/18/2016

DRAWN BY : M.ALEE DATE : 6/2016
CHECKED BY : T.SHERRILL DATE : 6/2016
DESIGN ENGINEER OF RECORD: T.SHERRILL DATE : 6/2016