

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	MEMBER	LENGTH FROM BENT (FT)	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			
149-163	PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL		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 PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL, SEE SPECIAL PROVISIONS.

CONTRACTOR MAY ELECT TO USE PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL IN LIEU OF SHOTCRETE.

\* ALL REPAIRS IN GIRDER FLANGE OR INCLUDING GIRDER FLANGE IN REPAIR SHALL BE PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL.


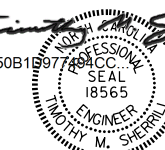
PROJECT NO. B-5936  
TYRRELL COUNTY  
BRIDGE NO. 7

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:	TOTAL SHEETS
1			3			5-29
2			4			394

DocuSigned by:  
  
AD50B1977494CC  
  
1/13/2017

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