

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
89	G-1	@ BENT 88	1' X 0.7'		* BOTTOM FLANGE	1
89	G-2	@ BENT 88	1.3' X 0.4'		* BOTTOM FLANGE	1
89	G-3	@ BENT 88	2.1' X 0.7'		* BOTTOM FLANGE	1
89	G-2	@ BENT 89	0.6' X 0.8'		* BOTTOM FLANGE	2
89	G-3	@ BENT 88	0.8' X 0.6'		* BOTTOM FLANGE	2
89	G-4	@ BENT 89	0.6' X 0.5'		* BOTTOM FLANGE	3
89	G-2	@ BENT 89	0.5' X 0.8'		* BOTTOM FLANGE	3
90	END DIA.	@ BENT 89	3.2' X 0.5'		DIAPHRAGM	2
90	G-2	@ BENT 89	0.5' X 0.6'		* BOTTOM FLANGE	1
90	G-1	@ BENT 89	0.7' X 1.1'		* BOTTOM FLANGE	1
90	G-2	@ BENT 89	0.8' X 0.8'		* BOTTOM FLANGE	2
90	G-2	@ BENT 90	0.8' X 0.8'		* BOTTOM FLANGE	1
91	END DIA.	@ BENT 91	6.4' X 0.4'		DIAPHRAGM	3
91	END DIA.	@ BENT 91	4.3' X 0.4'		DIAPHRAGM	2
91	G-4	12' FROM BENT 90	2.7' X 0.3'		* BOTTOM FLANGE	3
92	G-1	@ BENT 92	0.4' X 0.4'		* BOTTOM FLANGE	LT EXT
92	G-2	@ BENT 92	0.7' X 0.6'		* BOTTOM FLANGE	1
92	G-2	@ BENT 91	2.8' X 0.5'		* BOTTOM FLANGE	1
92	G-1	@ BENT 92	2' X 0.6'		* BOTTOM FLANGE	LT EXT
92	G-2	@ BENT 92	0.8' X 0.7'		* BOTTOM FLANGE	2
92	G-3	@ BENT 92	0.9' X 0.8'		* BOTTOM FLANGE	1
93	G-1	@ BENT 92	0.8' X 0.6'		* BOTTOM FLANGE	1
93	G-2	@ BENT 93	0.5' X 0.5'		* BOTTOM FLANGE	1
93	G-2	@ BENT 93	0.3' X 0.2'		WEB	2
93	G-2	@ BENT 93	0.5' X 1.3'		WEB	2
94	END DIA.	@ BENT 94	2.2' X 0.7'		DIAPHRAGM	2
94	G-3	@ BENT 93	1.1' X 0.8'		* BOTTOM FLANGE	2
94	G-3	@ BENT 93	0.5' X 0.5'		* BOTTOM FLANGE	2
94	G-3	@ BENT 94	1' X 0.8'		* BOTTOM FLANGE	3
95	G-2	@ BENT 95	0.6' X 0.7'		* BOTTOM FLANGE	1
95	G-1	@ BENT 95	0.8' X 0.7'		* BOTTOM FLANGE	1
95	G-4	@ BENT 95	0.7' X 0.6'		* BOTTOM FLANGE	3
96	G-1	@ BENT 95	0.7' X 0.7'		* BOTTOM FLANGE	1
96	G-2	@ BENT 96	0.8' X 0.5'		* BOTTOM FLANGE	1
96	G-3	@ BENT 96	0.9' X 0.7'		* BOTTOM FLANGE	2
96	G-2	@ BENT 96	0.7' X 0.8'		* BOTTOM FLANGE	2
97	G-3	30' FROM BENT 96	1.7' X 0.4'		* BOTTOM FLANGE	2
97	G-2	@ BENT 96	0.8' X 0.6'		* BOTTOM FLANGE	2
97	G-2	@ BENT 97	1.3' X 1.2'		* BOTTOM FLANGE	1
97	G-3	@ BENT 97	0.6' X 0.7'		* BOTTOM FLANGE	2
97	G-3	33' FROM BENT 96	2.3' X 0.5'		* BOTTOM FLANGE	2
97	G-3	@ BENT 97	0.8' X 0.8'		* BOTTOM FLANGE	3
98	G-3	@ BENT 97	0.6' X 0.6'		* BOTTOM FLANGE	3
98	G-2	@ BENT 98	1.1' X 0.8'		* BOTTOM FLANGE	1
98	G-2	@ BENT 97	0.6' X 1.5'		* BOTTOM FLANGE	2
98	G-4	@ BENT 97	0.4' X 0.8'		* BOTTOM FLANGE	3

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
99	G-2	@ BENT 98	0.9' X 0.8'		* BOTTOM FLANGE	1
99	G-1	@ BENT 98	0.5' X 0.7'		* BOTTOM FLANGE	1
100	G-3	@ BENT 100	0.7' X 0.6'		* BOTTOM FLANGE	2
100	G-1	@ BENT 100	0.6' X 0.8'		* BOTTOM FLANGE	1
100	G-4	@ BENT 100	0.7' X 0.8'		* BOTTOM FLANGE	3
101	G-2	@ BENT 101	0.6' X 0.6'		* BOTTOM FLANGE	2
101	G-3	@ BENT 101	0.8' X 0.9'		* BOTTOM FLANGE	2
101	G-3	@ BENT 100	0.8' X 1'		* BOTTOM FLANGE	2
101	G-3	@ BENT 100	0.4' X 0.5'		* BOTTOM FLANGE	3
101	G-2	@ BENT 100	0.8' X 0.8'		* BOTTOM FLANGE	2
101	G-4	@ BENT 101	0.8' X 0.7'		* BOTTOM FLANGE	3
102	G-1	@ BENT 102	0.7' X 0.7'		* BOTTOM FLANGE	1
102	G-2	@ BENT 102	0.5' X 0.7'		* BOTTOM FLANGE	1
102	G-3	@ BENT 101	0.5' X 1'		* BOTTOM FLANGE	2
102	G-3	@ BENT 102	1' X 1.4'		* BOTTOM FLANGE	2
103	G-1	@ BENT 103	0.5' X 0.5'		* BOTTOM FLANGE	1
103	G-2	@ BENT 102	0.7' X 0.7'		* BOTTOM FLANGE	1
103	G-3	@ BENT 102	0.7' X 0.7'		* BOTTOM FLANGE	2
103	G-3	12' FROM BENT 102	3' X 0.5'		* BOTTOM FLANGE	2

REPAIR QUANTITY TABLE						
SPAN	MEMBER	LENGTH FROM BENT (FT)	QUANTITIES			
			ESTIMATE		ACTUAL	
			AREA SF	VOLUME CF	AREA SF	DEPTH FT
89-103	SHOTCRETE					
	GIRDERS		0.86	0.25		
	DIAPHRAGMS		7.42	3.71		
	DECK		0.00	0.00		
	PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL					
	GIRDERS		36.78	10.73		

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.


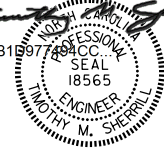
FOR PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL, SEE SPECIAL PROVISIONS.

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 9 OF 22

DocuSigned by:  
  
AD50B1977494CC  
  
1/13/2017

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

**GIRDER, DIAPHRAGM & UNDERDECK REPAIRS**

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			5-24
2			4			394

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED