

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 89-103		QUANTITIES				
		ESTIMATE		ACTUAL		
		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
	SHOTCRETE					
	GIRDERS	0.86	0.25			
	DIAPHRAGMS	7.42	3.71			
	DECK	0.00	0.00			
	EPOXY MORTAR					
	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.

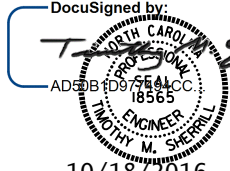
FOR EPOXY MORTAR REPAIRS, SEE SPECIAL PROVISIONS.

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 9 OF 22

DocuSigned by:

10/18/2016

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		
					S-24
					TOTAL SHEETS 394

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