

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
4	G-1	2' FROM BENT 3	5' X 1.3'		WEB	1
4	G-2	@ BENT 4	8' X 0.8'		* BOTTOM FLANGE	1
4	G-2	@ BENT 4	0.8' X 10'		* BOTTOM FLANGE	1
4	G-2	@ BENT 3	3' X 0.8'		* BOTTOM FLANGE	1
4	G-2	@ BENT 3	1.8' X 1.3'		WEB	2
4	G-2	2' FROM BENT 3	3.5' X 1.3'		WEB	1
4	G-3	@ BENT 3	0.8' X 0.8'		* BOTTOM FLANGE	2
4	G-3	@ BENT 3	3.5' X 2.1'		WEB	2
4	G-3	@ BENT 3	1.8' X 1.2'		WEB	2
4	G-3	2' FROM BENT 4	6.3' X 1.3'		WEB	2
4	G-4	@ BENT 4	1' X 0.8'		* BOTTOM FLANGE	3
4	G-4	2' FROM BENT 3	6' X 1.3'		WEB	3
4	G-4	4' FROM BENT 3	0.9' X 1.8'		WEB	3
5	G-1	@ BENT 4	3' X 1.3'		* BOTTOM FLANGE & WEB	1
5	G-1	@ BENT 4	3' X 1.3'		* BOTTOM FLANGE & WEB	1
5	G-1	@ BENT 4	4.7' X 2.2'		WEB	1
5	G-2	@ BENT 5	1.1' X 1'		* BOTTOM FLANGE	1
5	G-2	2' FROM BENT 5	0.8' X 1.2'		WEB	1
5	G-2	6' FROM BENT 5	1.4' X 1.3'		WEB	2
5	G-3	@ BENT 4	0.7' X 0.6'		* BOTTOM FLANGE	2
5	G-3	@ BENT 4	1.2' X 0.7'		* BOTTOM FLANGE	3
5	G-3	13' FROM BENT 5	5.3' X 0.5'		* BOTTOM FLANGE	2
5	G-3	17' FROM BENT 4	4.7' X 0.4'		* BOTTOM FLANGE	3
5	G-3	2' FROM BENT 4	6' X 1.3'		WEB	2
5	G-3	4' FROM BENT 5	6.7' X 1.3'		WEB	2
5	G-4	@ BENT 4	1.2' X 0.7'		WEB	3
6	END DIA.	@ BENT 5	0.8' X 1.2'		DIAPHRAGM	3
6	G-1	@ BENT 5	1.2' X 0.7'		* BOTTOM FLANGE	1
6	G-2	2' FROM BENT 5	1' X 0.7'		WEB	1
6	G-3	1.5' FROM BENT 5	5.8' X 1.2'		WEB	3
6	G-3	4' FROM BENT 6	3.3' X 1.2'		WEB	2
6	G-4	@ BENT 5	0.6' X 0.6'		* BOTTOM FLANGE	RT EXT
6	G-4	@ BENT 6	0.8' X 0.8'		* BOTTOM FLANGE	3
6	G-4	3' FROM BENT 5	3.3' X 1.2'		WEB	3
7	G-3	@ BENT 6	1' X 0.6'		* BOTTOM FLANGE	3
8	G-1	@ BENT 7	1' X 0.6'		* BOTTOM FLANGE	1
8	G-2	@ BENT 7	1' X 0.6'		* BOTTOM FLANGE	1
8	G-4	@ BENT 7	1' X 0.6'		* BOTTOM FLANGE	3
9	G-2	@ BENT 8	1' X 0.6'		* BOTTOM FLANGE	1
9	G-2	3' FROM BENT 9	1.3' X 5.5'		WEB	1
10	G-1	@ BENT 10	1' X 0.6'		* BOTTOM FLANGE	1
10	G-3	3' FROM BENT 9	1.3' X 5'		WEB	2
10	G-3	@ BENT 10	0.8' X 3.5'		* BOTTOM FLANGE	3
11	G-1	@ BENT 11	1' X 0.6'		* BOTTOM FLANGE	1
11	G-2	@ BENT 10	1' X 0.6'		* BOTTOM FLANGE	2
11	G-2	@ BENT 11	0.5' X 0.5'		* BOTTOM FLANGE	2
11	G-2	@ BENT 11	0.5' X 0.5'		* BOTTOM FLANGE	1
11	G-3	@ BENT 11	1' X 0.6'		* BOTTOM FLANGE	3
12	G-2	@ BENT 11	1' X 0.6'		* BOTTOM FLANGE	1
12	G-2	@ BENT 12	1' X 0.6'		* BOTTOM FLANGE	1

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
13	G-2	@ BENT 12	0.3' X 1.5'		* BOTTOM FLANGE	1
13	G-2	@ BENT 13	0.5' X 0.3'		* BOTTOM FLANGE	2
13	G-3	@ BENT 13	0.5' X 0.7'		* BOTTOM FLANGE	3
13	G-3	@ BENT 13	0.5' X 0.7'		* BOTTOM FLANGE	2
13	G-4	@ BENT 12	1' X 0.6'		* BOTTOM FLANGE	3
14	G-1	@ BENT 13	1.5' X 0.6'		* BOTTOM FLANGE & WEB	LT EXT
14	G-2	10' FROM BENT 13	0.3' X 0.6'		* BOTTOM FLANGE	1
14	G-2	@ BENT 14	0.7' X 0.6'		* BOTTOM FLANGE	2
14	G-3	2' FROM BENT 13	1.8' X 0.7'		WEB	2
14	G-3	9' FROM BENT 13	2.7' X 0.6'		* BOTTOM FLANGE	2
14	G-3	@ BENT 14	1.8' X 0.7'		* BOTTOM FLANGE	2
14	G-3	@ BENT 14	0.7' X 0.6'		* BOTTOM FLANGE	3
14	G-3	@ BENT 14	0.3' X 1.5'		* BOTTOM FLANGE	2

REPAIR QUANTITY TABLE						
		QUANTITIES				
		ESTIMATE		ACTUAL		
		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
SPAN 4-14	SHOTCRETE					
	GIRDERS	101.47	29.60			
	DIAPHRAGMS	0.96	0.48			
	DECK	0.00	0.00			
	EPOXY MORTAR					
	GIRDERS	51.82	15.11			

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.

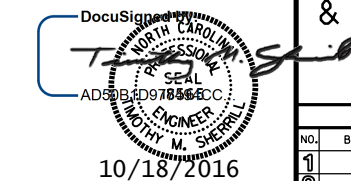
FOR EPOXY MORTAR REPAIRS, SEE SPECIAL PROVISIONS.

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 3 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		
					S-18
					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