

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						
SPAN	MEMBER	LENGTH FROM BENT (FT)	QUANTITIES			
			ESTIMATE		ACTUAL	
			AREA SF	VOLUME CF	AREA SF	DEPTH FT
4-14	SHOTCRETE					
	GIRDERS		101.47	29.60		
	DIAPHRAGMS		0.96	0.48		
	DECK		0.00	0.00		
	PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL					
	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 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 3 OF 22

DocuSigned by:

AD50B1E97404CC004

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			S-18
2			4			394

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED