

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
1	DECK	27' FROM END BENT 1	2.7' X 2.7'		BOTTOM OF DECK	2
1	DECK	32.5' FROM END BENT 1	3' X 2.8'		BOTTOM OF DECK	2
1	DECK	11' FROM END BENT 1	1.2' X 0.6'		BOTTOM OF DECK	2
1	DECK	9' FROM END BENT 1	1' X 0.5'		BOTTOM OF DECK	2
1	DECK	8' FROM END BENT 1	8' X 4'		BOTTOM OF DECK	2
1	DECK	11' FROM BENT 1	2' X 0.6'		BOTTOM OF DECK	3
1	DECK	15' FROM BENT 1	1' X 1.5'		BOTTOM OF DECK	3
1	END DIA.	@ BENT 1	5.5' X 0.7'		DIAPHRAGM	3
1	END DIA.	@ BENT 1	2.2' X 0.3'		DIAPHRAGM	2
1	END DIA.	@ BENT 1	5' X 1'		DIAPHRAGM	1
1	G-1	@ BENT 1	1' X 0.8'		*BOTTOM FLANGE & WEB	1
1	G-1	2' FROM BENT 1	1.7' X 1.7'		WEB	1
1	G-1	5' FROM BENT 1	2' X 1.2'		WEB	1
1	G-1	@ BENT 1	0.6' X 0.5'		*BOTTOM FLANGE & WEB	LT EXT
1	G-1	8' FROM BENT 1	2' X 1.3'		WEB	1
1	G-1	5' FROM END BENT 1	1.8' X 1.3'		WEB	LT EXT
1	G-1	13' FROM BENT 1	1.3' X 1.6'		WEB	1
1	G-1	17' FROM BENT 1	1.5' X 0.5'		WEB	1
1	G-1	1' FROM INTER. DIA.	1.3' X 1.3'		WEB	1
1	G-1	3.5' FROM INTER. DIA.	1.3' X 0.7'		WEB	1
1	G-1	3.5' FROM INTER. DIA.	0.8' X 0.8'		WEB	1
1	G-1	9' FROM INTER. DIA.	1.4' X 0.9'		WEB	1
1	G-1	@ END BENT 1	7' X 0.8'		*BOTTOM FLANGE	1
1	G-1	9' FROM INTER. DIA.	3' X 1.2'		WEB	1
1	G-2	@ BENT 1	0.6' X 0.5'		*BOTTOM FLANGE	2
1	G-2	@ BENT 1	2.5' X 0.8'		*BOTTOM FLANGE	1
1	G-2	2' FROM BENT 1	6.5' X 1.2'		WEB	1
1	G-2	17' FROM BENT 1	1' X 0.6'		WEB	1
1	G-2	@ END BENT 1	2.5' X 0.8'		*BOTTOM FLANGE	1
1	G-2	10' FROM END BENT 1	2.7' X 1.2'		WEB	1
1	G-2	@ BENT 1	1.8' X 1.2'		WEB	2
1	G-2	7' FROM INTER. DIA.	1.5' X 1.2'		WEB	2
1	G-2	11' FROM INTER. DIA.	1.2' X 0.7'		WEB	2
1	G-2	11' FROM END BENT 1	0.7' X 0.4'		WEB	2
1	G-2	2' FROM END BENT 1	0.9' X 0.7'		WEB	2
1	G-3	@ BENT 1	0.8' X 1.3'		*BOTTOM FLANGE & WEB	3
1	G-3	@ BENT 1	0.8' X 0.8'		WEB	2
1	G-3	2' FROM BENT 1	7.5' X 1.5'		WEB	3
1	G-3	2' FROM BENT 1	0.8' X 1.2'		WEB	2
1	G-3	2' FROM INTER. DIA.	1.2' X 1.2'		WEB	2
1	G-3	7' FROM INTER. DIA.	1.2' X 0.9'		WEB	2
1	G-3	10' FROM INTER. DIA.	1' X 1'		WEB	3
1	G-3	2' FROM INTER. DIA.	0.3' X 0.8'		*BOTTOM FLANGE	3
1	G-3	6' FROM INTER. DIA.	1.5' X 1'		WEB	3
1	G-3	8' FROM INTER. DIA.	1.5' X 1.2'		WEB	3
1	G-3	13' FROM END BENT 1	0.4' X 0.6'		*BOTTOM FLANGE	3
1	G-3	6.5' FROM END BENT 1	6.5' X 0.5'		*BOTTOM FLANGE	3
1	G-3	9' FROM END BENT 1	1' X 1.2'		WEB	2
1	G-4	@ BENT 1	0.8' X 0.7'		*BOTTOM FLANGE	RT EXT

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
1	G-4	2' FROM BENT 1	3' X 0.8'		WEB	2
1	G-4	8' FROM BENT 1	1.2' X 0.9'		WEB	3
1	G-4	@ BENT 1	1.5' X 1.2'		WEB	3
1	G-4	@ BENT 1	2' X 0.7'		WEB	RT EXT
1	G-4	@ END BENT 1	1' X 0.6'		WEB	RT EXT
1	G-4	10' FROM END BENT 1	2.5' X 1'		WEB	RT EXT
1	G-4	@ END BENT 1	10' X 1'		*BOTTOM FLANGE	RT EXT
1	G-4	3.5' FROM INTER. DIA.	0.4' X 1.2'		WEB	3
1	G-4	11' FROM END BENT 1	0.9' X 0.6'		*BOTTOM FLANGE	3
1	G-4	23' FROM BENT 1	0.6' X 0.8'		*BOTTOM FLANGE	3
1	G-4	3' FROM END BENT 1	1.3' X 1.2'		WEB	3
1	G-4	8' FROM END BENT 1	1.2' X 1'		WEB	RT EXT
1	G-4	9' FROM END BENT 1	1.8' X 1.2'		WEB	3

REPAIR QUANTITY TABLE						
SPAN	MEMBER	LENGTH FROM BENT (FT)	QUANTITIES			
			ESTIMATE		ACTUAL	
			AREA SF	VOLUME CF	AREA SF	DEPTH FT
SPAN 1	SHOTCRETE					
	GIRDERS		74.56	21.75		
	DIAPHRAGMS		9.51	4.76		
	DECK		151.61	75.81		
	PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL					
	GIRDERS		27.63	8.06		

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.

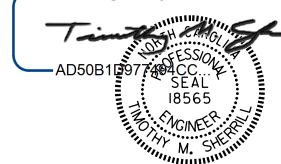
CONTRACTOR MAY ELECT TO USE PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL IN LIEU OF SHOTCRETE.

\* 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 1 OF 22

DocuSigned by:



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:	
1			3			S-16
2			4			TOTAL SHEETS 394