

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
1	DECK	20' FROM END BENT 1	5' X 20'		BOTTOM OF DECK	1
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	@ BENT 1	0.4' X 0.7'		* BOTTOM FLANGE	3
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						
		QUANTITIES				
		ESTIMATE		ACTUAL		
		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
SPAN 1	SHOTCRETE					
	GIRDERS	74.56	21.75			
	DIAPHRAGMS	9.51	4.76			
	DECK	151.61	75.81			
	EPOXY MORTAR					
	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.

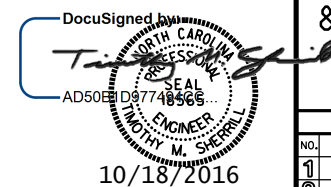
FOR EPOXY MORTAR REPAIRS, SEE SPECIAL PROVISIONS.

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 1 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-16
					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