

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
224	END DIA.	@ BENT 223	1.5' X 2'		DIAPHRAGM	2
224	END DIA.	@ BENT 224	0.5' X 0.5'		DIAPHRAGM	3
224	END DIA.	@ BENT 224	0.4' X 0.5'		DIAPHRAGM	1
224	END DIA.	@ BENT 224	0.5' X 0.5'		DIAPHRAGM	2
224	G-2	3' FROM BENT 223	0.5' X 0.5'		WEB	2
225	DECK	8' FROM BENT 224	1' X 1'		*BOTTOM FLANGE	3
225	END DIA.	@ BENT 224	1.5' X 0.3'		DIAPHRAGM	3
225	G-1	@ BENT 225	0.7' X 0.7'		WEB	LT EXT
225	G-3	@ BENT 225	0.7' X 0.7'		*BOTTOM FLANGE	3
226	END DIA.	@ BENT 225	1' X 0.5'		DIAPHRAGM	1
226	G-1	@ BENT 225	0.5' X 0.5'		*BOTTOM FLANGE	LT EXT
226	G-3	@ BENT 225	2.5' X 0.3'		*BOTTOM FLANGE	2
227	END DIA.	@ BENT 226	2.5' X 0.7'		DIAPHRAGM	3
227	END DIA.	@ BENT 227	1' X 0.3'		DIAPHRAGM	1
227	G-4	@ BENT 227	0.8' X 0.8'		*BOTTOM FLANGE	3
228	DECK	14' FROM BENT 227	1.5' X 1'		BOTTOM OF DECK	RT EXT
228	DECK	16' FROM BENT 227	1.5' X 1'		BOTTOM OF DECK	RT EXT
228	END DIA.	@ BENT 228	4' X 0.5'		DIAPHRAGM	2
228	END DIA.	@ BENT 228	1' X 1'		DIAPHRAGM	RT EXT
228	G-2	@ BENT 227	0.5' X 0.5'		*BOTTOM FLANGE	1
228	G-4	25' FROM BENT 228	3' X 0.5'		*BOTTOM FLANGE	3
229	END DIA.	@ BENT 228	1.5' X 0.8'		DIAPHRAGM	3
229	END DIA.	@ BENT 229	1.5' X 1'		DIAPHRAGM	3
229	G-3	@ BENT 229	0.5' X 0.7'		WEB	2
230	DECK	14' FROM BENT 229	2' X 5'		BOTTOM OF DECK	LT EXT
230	DECK	20' FROM BENT 229	1' X 3'		BOTTOM OF DECK	LT EXT
230	DECK	14' FROM BENT 229	4' X 2'		BOTTOM OF DECK	RT EXT
230	DECK	25' FROM BENT 229	4' X 2'		BOTTOM OF DECK	RT EXT
230	DECK	@ BENT 230	2' X 1'		BOTTOM OF DECK	LT EXT
230	END DIA.	@ BENT 230	1' X 0.5'		DIAPHRAGM	3
230	G-3	@ BENT 229	0.7' X 0.7'		*BOTTOM FLANGE	2
231	G-3	@ BENT 230	0.4' X 1.5'		*BOTTOM FLANGE	2
231	G-3	3' FROM BENT 230	0.5' X 0.4'		WEB	3
231	G-3	3' FROM BENT 231	0.4' X 0.4'		WEB	2
232	G-2	3' FROM BENT 232	0.3' X 0.3'		WEB	1
233	G-1	@ BENT 232	0.8' X 0.8'		END OF GIRDER	LT EXT
233	G-1	4' FROM BENT 232	0.3' X 0.5'		*BOTTOM FLANGE	LT EXT
233	G-4	@ BENT 232	0.7' X 0.7'		END OF GIRDER	3
233	G-4	12' FROM BENT 232	2' X 0.7'		*BOTTOM FLANGE	3

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SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
234	G-2	2' FROM BENT 233	0.3' X 0.5'		WEB	2
234	G-2	3' FROM BENT 234	0.4' X 0.4'		WEB	1
235	END DIA.	@ BENT 235	3' X 1.5'		DIAPHRAGM	3
235	G-4	@ BENT 235	0.8' X 0.8'		END OF GIRDER	RT EXT
236	G-4	@ BENT 236	0.5' X 0.7'		END OF GIRDER	3
236	G-4	3' FROM BENT 235	2' X 0.7'		*BOTTOM FLANGE	3
236	G-3	10' FROM BENT 236	0.3' X 0.5'		WEB	2
236	G-3	6' FROM BENT 236	0.5' X 1.5'		*BOTTOM FLANGE	2
237	G-2	@ BENT 236	1' X 1'		END OF GIRDER	1
237	G-4	@ BENT 236	0.3' X 0.3'		WEB	RT EXT

REPAIR QUANTITY TABLE					
	QUANTITIES				
	ESTIMATE		ACTUAL		
	AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
SHOTCRETE					
GIRDERS	5.21	1.52			
DIAPHRAGMS	17.40	8.70			
DECK	35.00	17.50			
PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL	AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
	GIRDERS	8.67	2.53		

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.

SPAN 224-237

PROJECT NO. B-5936  
TYRRELL COUNTY  
 BRIDGE NO. 7

SHEET 19 OF 22

DocuSigned by:  
  
 AD50B1D87749CC  
 PROFESSIONAL SEAL  
 18565  
 ENGINEER  
 TIMOTHY M. SHERRILL

1/13/2017

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 GIRDER, DIAPHRAGM  
 & UNDERDECK REPAIRS

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

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-34
2			4			TOTAL SHEETS 394