

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
210	END DIA.	@ BENT 210	1.5' X 0.5'	DIAPHRAGM	3
211	DECK	@ BENT 210	1' X 1.5'	BOTTOM OF DECK	2
211	END DIA.	@ BENT 210	1' X 3'	DIAPHRAGM	2
211	G-4	@ BENT 211	0.7' X 0.7'	BOTTOM FLANGE	3
212	END DIA.	@ BENT 211	3' X 0.5'	DIAPHRAGM	1
212	END DIA.	@ BENT 212	1' X 1'	DIAPHRAGM	LT EXT
212	G-2	5' FROM BENT 211	4' X 0.3'	BOTTOM FLANGE	1
212	G-3	4' FROM BENT 211	0.5' X 0.5'	WEB	2
213	END DIA.	@ BENT 213	4' X 0.5'	DIAPHRAGM	1
213	G-4	@ BENT 213	0.8' X 0.8'	BOTTOM FLANGE	3
214	END DIA.	@ BENT 213	2' X 0.5'	DIAPHRAGM	2
214	G-2	@ BENT 213	0.8' X 0.8'	BOTTOM FLANGE	1
214	G-2	1' FROM BENT 213	1.5' X 4'	BOTTOM FLANGE	1
214	G-3	3' FROM BENT 213	0.5' X 0.5'	WEB	3
214	G-3	4' FROM BENT 214	0.8' X 0.8'	WEB	2
215	DECK	2' FROM BENT 214	1' X 1'	BOTTOM OF DECK	3
215	G-4	3' FROM BENT 214	0.6' X 0.6'	WEB	3
216	END DIA.	@ BENT 216	4.5' X 0.6'	DIAPHRAGM	2
216	G-4	@ BENT 215	0.6' X 0.6'	BOTTOM FLANGE	RT EXT
217	END DIA.	@ BENT 216	6.5' X 0.6'	DIAPHRAGM	2
217	END DIA.	@ BENT 217	4' X 0.3'	DIAPHRAGM	2
218	END DIA.	@ BENT 218	6.5' X 0.5'	DIAPHRAGM	2
218	END DIA.	@ BENT 218	1' X 0.3'	DIAPHRAGM	RT EXT
218	G-1	1' FROM BENT 217	1' X 4'	BOTTOM FLANGE	1
218	G-2	@ BENT 217	0.8' X 0.8'	BOTTOM FLANGE	1
219	END DIA.	@ BENT 219	1' X 0.5'	DIAPHRAGM	3
220	END DIA.	@ BENT 220	15' X 0.3'	DIAPHRAGM	3
220	END DIA.	@ BENT 220	1' X 4'	DIAPHRAGM	2
220	G-3	@ BENT 220	0.6' X 0.6'	BOTTOM FLANGE	3
220	G-4	@ BENT 219	0.8' X 0.8'	BOTTOM FLANGE	3
221	END DIA.	@ BENT 220	1' X 2'	DIAPHRAGM	2
221	END DIA.	@ BENT 221	0.5' X 0.5'	DIAPHRAGM	2
221	G-2	3' FROM BENT 220	4' X 0.5'	BOTTOM FLANGE	1
221	G-2	3' FROM BENT 221	0.6' X 0.6'	WEB	1
221	G-3	20' FROM BENT 221	3' X 0.5'	BOTTOM FLANGE	3
221	G-3	@ BENT 221	0.6' X 0.6'	WEB	2
222	END DIA.	@ BENT 221	2.5' X 0.5'	DIAPHRAGM	1
222	G-2	@ BENT 221	0.8' X 0.8'	BOTTOM FLANGE	2
222	G-3	@ BENT 222	1' X 0.7'	BOTTOM FLANGE	2
222	G-3	2' FROM BENT 222	1' X 1'	WEB	2
223	END DIA.	@ BENT 222	3' X 0.5'	DIAPHRAGM	1
223	G-2	@ BENT 222	0.5' X 0.5'	BOTTOM FLANGE	1
223	G-2	4' FROM BENT 222	0.5' X 0.5'	WEB	2

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MIN. OF 1" BEHIND REBAR AND MIN. 2" CL TO SAWCUT. SEE REPAIR DETAILS.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

REPAIR QUANTITY TABLE

	SHOTCRETE	QUANTITIES				
		ESTIMATE		ACTUAL		
		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
SPAN 210	GIRDERS	0.00	0.00			
	DIAPHRAGMS	0.75	0.31			
	DECK	0.00	0.00			
SPAN 211	GIRDERS	0.49	0.20			
	DIAPHRAGMS	3.00	1.25			
	DECK	1.50	0.63			
SPAN 212	GIRDERS	1.45	0.60			
	DIAPHRAGMS	2.50	1.04			
	DECK	0.00	0.00			
SPAN 213	GIRDERS	0.64	0.27			
	DIAPHRAGMS	2.00	0.83			
	DECK	0.00	0.00			
SPAN 214	GIRDERS	7.53	3.14			
	DIAPHRAGMS	1.00	0.42			
	DECK	0.00	0.00			
SPAN 215	GIRDERS	0.36	0.15			
	DIAPHRAGMS	0.00	0.00			
	DECK	1.00	0.42			
SPAN 216	GIRDERS	0.36	0.15			
	DIAPHRAGMS	2.70	1.13			
	DECK	0.00	0.00			
SPAN 217	GIRDERS	0.00	0.00			
	DIAPHRAGMS	5.10	2.13			
	DECK	0.00	0.00			
SPAN 218	GIRDERS	4.64	1.93			
	DIAPHRAGMS	3.55	1.48			
	DECK	0.00	0.00			
SPAN 219	GIRDERS	0.00	0.00			
	DIAPHRAGMS	0.50	0.21			
	DECK	0.00	0.00			
SPAN 220	GIRDERS	1.00	0.42			
	DIAPHRAGMS	8.50	3.54			
	DECK	0.00	0.00			
SPAN 221	GIRDERS	4.22	1.76			
	DIAPHRAGMS	2.25	0.94			
	DECK	0.00	0.00			
SPAN 222	GIRDERS	2.34	0.98			
	DIAPHRAGMS	1.25	0.52			
	DECK	0.00	0.00			
SPAN 223	GIRDERS	0.50	0.21			
	DIAPHRAGMS	1.50	0.63			
	DECK	0.00	0.00			

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

SHEET 17 OF 22

DocuSigned by:

Timothy M. Sheppard
AD50B1D977494CC...

8/10/2016



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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-32
2			4			TOTAL SHEETS 394