

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	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 OF DECK	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-2	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
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-2	@ BENT 235	0.8' X 0.8'	END OF GIRDER	RT EXT
236	G-3	@ BENT 236	0.5' X 0.7'	END OF GIRDER	3
236	G-3	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-2	@ BENT 236	0.3' X 0.3'	WEB	RT EXT

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			ACTUAL	
			ESTIMATE	AREA SF	VOLUME CF	AREA SF	DEPTH FT
SPAN 224	GIRDERS	0.25	0.10				
	DIAPHRAGMS	3.70	1.54				
	DECK	0.00	0.00				
SPAN 225	GIRDERS	0.98	0.41				
	DIAPHRAGMS	0.45	0.19				
	DECK	1.00	0.42				
SPAN 226	GIRDERS	1.00	0.42				
	DIAPHRAGMS	0.50	0.21				
	DECK	0.00	0.00				
SPAN 227	GIRDERS	0.64	0.27				
	DIAPHRAGMS	2.05	0.85				
	DECK	0.00	0.00				
SPAN 228	GIRDERS	1.75	0.73				
	DIAPHRAGMS	3.00	1.25				
	DECK	3.00	1.25				
SPAN 229	GIRDERS	0.35	0.15				
	DIAPHRAGMS	2.70	1.13				
	DECK	0.00	0.00				
SPAN 230	GIRDERS	0.49	0.20				
	DIAPHRAGMS	0.50	0.21				
	DECK	31.00	12.92				
SPAN 231	GIRDERS	0.96	0.40				
	DIAPHRAGMS	0.00	0.00				
	DECK	0.00	0.00				
SPAN 232	GIRDERS	0.09	0.04				
	DIAPHRAGMS	0.00	0.00				
	DECK	0.00	0.00				
SPAN 233	GIRDERS	2.68	1.12				
	DIAPHRAGMS	0.00	0.00				
	DECK	0.00	0.00				
SPAN 234	GIRDERS	0.31	0.13				
	DIAPHRAGMS	0.00	0.00				
	DECK	0.00	0.00				
SPAN 235	GIRDERS	0.64	0.27				
	DIAPHRAGMS	4.50	1.88				
	DECK	0.00	0.00				
SPAN 236	GIRDERS	2.65	1.10				
	DIAPHRAGMS	0.00	0.00				
	DECK	0.00	0.00				
SPAN 237	GIRDERS	1.09	0.45				
	DIAPHRAGMS	0.00	0.00				
	DECK	0.00	0.00				

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

SHEET 18 OF 22

DocuSigned by:

Timothy M. Sheppard

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8/10/2016



STATE OF NORTH CAROLINA	
DEPARTMENT OF TRANSPORTATION	
RALEIGH	
GIRDER, DIAPHRAGM & UNDERDECK REPAIRS	
REVISIONS	
NO.	DATE
1	8/10/2016
2	8/10/2016
SHEET NO. S-33	
TOTAL SHEETS 394	

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