

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
238	G-2	@ BENT 238	1' x 1'	END OF GIRDER	1
238	G-2	0.5' FROM BENT 238	0.5' x 1.5'	BOTTOM FLANGE	1
238	G-3	@ BENT 237	0.7' x 0.7'	END OF GIRDER	2
238	G-3	@ BENT 238	1' x 0.8'	END OF GIRDER	3
238	G-4	@ BENT 237	0.7' x 0.8'	END OF GIRDER	LT EXT
238	G-4	@ BENT 237	0.7' x 0.7'	END OF GIRDER	3
238	G-4	4' FROM BENT 238	0.4' x 0.4'	WEB	3
239	END DIA.	@ BENT 238	1.5' X 2'	DIAPHRAGM	LT EXT
239	G-1	4' FROM BENT 239	0.5' X 0.5'	WEB	2
240	END DIA.	@ BENT 240	2' X 1.5'	DIAPHRAGM	2
240	G-2	1' FROM BENT 239	1' X 0.5'	BOTTOM FLANGE	1
241	G-2	@ BENT 240	3' X 1'	BOTTOM FLANGE	1
241	G-2	@ BENT 240	1' X 1'	END OF GIRDER	2
241	G-3	@ BENT 241	1' X 0.5'	END OF GIRDER	3
244	G-3	@ BENT 244	1' X 1'	END OF GIRDER	2
245	G-1	@ BENT 244	0.5' X 1'	END OF GIRDER	2
245	G-2	1.5' FROM BENT 244	0.4' X 0.4'	WEB	2
245	G-2	5' FROM BENT 244	0.4' X 0.4'	WEB	3
245	G-3	@ BENT 244	2' X 1'	END OF GIRDER	2
245	G-3	@ BENT 244	0.5' X 1'	END OF GIRDER	3
245	G-3	@ BENT 244	0.5' X 1.5'	BOTTOM FLANGE	2
245	G-4	@ BENT 244	1' X 2'	END OF GIRDER	3
246	G-1	@ BENT 246	1' X 1.5'	END OF GIRDER	1
246	G-2	@ INTER. DIA.	4' X 1.5'	BOTTOM FLANGE	1
247	G-1	0.5' FROM BENT 246	4' X 1'	BOTTOM FLANGE	1
247	G-2	@ BENT 246	2' X 1'	BOTTOM FLANGE	1
247	G-2	3' FROM BENT 246	0.4' X 0.4'	WEB	2
248	END DIA.	@ BENT 248	3' X 1'	DIAPHRAGM	2
248	G-2	2' FROM BENT 247	0.4' X 0.4'	TOP FLANGE	2
249	G-1	@ BENT 249	1' X 1'	END OF GIRDER	1
249	G-2	@ BENT 248	1' X 1'	BOTTOM FLANGE	1
250	G-1	@ BENT 250	1' X 1'	BOTTOM FLANGE	LT EXT
251	G-2	5' FROM BENT 251	0.4' X 1.3'	BOTTOM FLANGE	1
251	G-3	4' FROM BENT 250	0.3' X 0.3'	BOTTOM FLANGE	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 238	GIRDERS	4.25	1.77			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 239	GIRDERS	0.25	0.10			
	DIAPHRAGMS	3.00	1.25			
	DECK	0.00	0.00			
SPAN 240	GIRDERS	0.50	0.21			
	DIAPHRAGMS	3.00	1.25			
	DECK	0.00	0.00			
SPAN 241	GIRDERS	4.50	1.88			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 242	GIRDERS	0.00	0.00			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 243	GIRDERS	0.00	0.00			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 244	GIRDERS	1.00	0.42			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 245	GIRDERS	6.07	2.53			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 246	GIRDERS	7.50	3.13			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 247	GIRDERS	6.16	2.57			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 248	GIRDERS	0.16	0.07			
	DIAPHRAGMS	3.00	1.25			
	DECK	0.00	0.00			
SPAN 249	GIRDERS	2.00	0.83			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 250	GIRDERS	1.00	0.42			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 251	GIRDERS	0.61	0.25			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			

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

SHEET 19 OF 22

DocuSigned by:

*Timothy M. Sherrill*  
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8/10/2016



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

## GIRDER, DIAPHRAGM & UNDERDECK REPAIRS

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