

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
182	END DIA.	@ BENT 182	1' X 1'	DIAPHRAGM	3
182	G-4	@ BENT 182	1' X 1.5'	BOTTOM FLANGE	3
184	END DIA.	@ BENT 185	1' X 1'	DIAPHRAGM	RT EXT
184	G-3	@ BENT 184	1' X 0.8'	BOTTOM FLANGE	3
184	G-4	@ BENT 184	1.5' X 0.8'	BOTTOM FLANGE	LT EXT
185	END DIA.	@ BENT 185	1' X 1'	DIAPHRAGM	1
185	G-2	2.5' FROM INTER. DIA.	0.5' X 0.5'	WEB	2
185	G-2	3' FROM INTER. DIA.	0.4' X 0.4'	WEB	2
186	END DIA.	@ BENT 187	0.5' X 1'	DIAPHRAGM	1
186	G-4	2.5' FROM INTER. DIA.	0.5' X 0.5'	WEB	3
187	END DIA.	@ BENT 180	0.5' X 1.5'	DIAPHRAGM	1
187	END DIA.	@ BENT 187	2' X 1'	DIAPHRAGM	2
187	G-3	3' FROM INTER. DIA.	0.5' X 0.5'	WEB	2
188	END DIA.	@ BENT 188	3' X 1'	DIAPHRAGM	1
188	END DIA.	@ BENT 188	1.5' X 1.5'	DIAPHRAGM	3
188	END DIA.	@ BENT 189	1' X 1'	DIAPHRAGM	3
188	G-1	2.5' FROM INTER. DIA.	0.4' X 0.4'	WEB	3
188	G-3	3' FROM INTER. DIA.	0.5' X 0.5'	WEB	3
189	G-1	@ BENT 190	0.3' X 0.7'	BOTTOM FLANGE	RT EXT
191	END DIA.	@ BENT 190	6.5' X 0.7'	DIAPHRAGM	2
191	G-2	@ BENT 191	0.7' X 0.7'	BOTTOM FLANGE	1
191	G-2	@ BENT 191	0.8' X 0.8'	BOTTOM FLANGE	2
191	G-3	@ BENT 190	0.5' X 0.5'	BOTTOM FLANGE	2
192	END DIA.	@ BENT 191	2' X 4'	DIAPHRAGM	2
192	G-1	3' FROM BENT 191	0.7' X 0.7'	WEB	1
192	G-1	4' FROM BENT 191	0.5' X 0.5'	WEB	1
193	END DIA.	@ BENT 192	1' X 1'	DIAPHRAGM	1
193	G-2	@ BENT 193	0.8' X 0.8'	BOTTOM FLANGE	2
193	G-2	4' FROM BENT 192	0.7' X 0.7'	WEB	2
194	G-2	@ BENT 194	0.7' X 0.7'	BOTTOM FLANGE	LT EXT
195	END DIA.	@ BENT 195	2.5' X 0.3'	DIAPHRAGM	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 182	GIRDERS	1.50	0.63			
	DIAPHRAGMS	1.00	0.42			
	DECK	0.00	0.00			
SPAN 183	GIRDERS	0.00	0.00			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 184	GIRDERS	2.00	0.83			
	DIAPHRAGMS	1.00	0.42			
	DECK	0.00	0.00			
SPAN 185	GIRDERS	0.41	0.17			
	DIAPHRAGMS	1.00	0.42			
	DECK	0.00	0.00			
SPAN 186	GIRDERS	0.25	0.10			
	DIAPHRAGMS	0.50	0.21			
	DECK	0.00	0.00			
SPAN 187	GIRDERS	0.25	0.10			
	DIAPHRAGMS	2.75	1.15			
	DECK	0.00	0.00			
SPAN 188	GIRDERS	0.41	0.17			
	DIAPHRAGMS	6.25	2.60			
	DECK	0.00	0.00			
SPAN 189	GIRDERS	0.21	0.09			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 190	GIRDERS	0.00	0.00			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 191	GIRDERS	1.38	0.58			
	DIAPHRAGMS	4.55	1.90			
	DECK	0.00	0.00			
SPAN 192	GIRDERS	0.74	0.31			
	DIAPHRAGMS	8.00	3.33			
	DECK	0.00	0.00			
SPAN 193	GIRDERS	1.13	0.47			
	DIAPHRAGMS	1.00	0.42			
	DECK	0.00	0.00			
SPAN 194	GIRDERS	0.49	0.20			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 195	GIRDERS	0.00	0.00			
	DIAPHRAGMS	0.75	0.31			
	DECK	0.00	0.00			

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

SHEET 15 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-30
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