

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
154	END DIA.	@ BENT 153	5' X 0.5'	DIAPHRAGM	2
154	END DIA.	@ BENT 153	3' X 0.3'	DIAPHRAGM	3
154	G-4	@ BENT 154	0.7' X 0.7'	BOTTOM FLANGE	3
155	END DIA.	@ BENT 154	2.5' X 0.3'	DIAPHRAGM	2
155	END DIA.	@ BENT 154	6' X 0.3'	DIAPHRAGM	3
155	END DIA.	@ BENT 155	5' X 1'	DIAPHRAGM	1
155	END DIA.	@ BENT 155	3' X 1'	DIAPHRAGM	2
155	END DIA.	@ BENT 155	4.5' X 2.7'	DIAPHRAGM	1
155	G-2	@ BENT 155	0.7' X 0.7'	BOTTOM FLANGE	2
155	G-3	@ BENT 155	0.7' X 0.7'	BOTTOM FLANGE	2
156	END DIA.	@ BENT 156	2' X 1.5'	DIAPHRAGM	1
156	G-2	@ BENT 155	0.8' X 1'	BOTTOM FLANGE	1
157	END DIA.	@ BENT 156	6.5' X 0.7'	DIAPHRAGM	2
157	END DIA.	@ BENT 156	4' X 5'	DIAPHRAGM	3
157	G-2	@ BENT 157	0.7' X 0.7'	BOTTOM FLANGE	1
157	G-3	1' FROM BENT 157	3' X 0.5'	BOTTOM FLANGE	2
157	G-4	@ BENT 158	0.7' X 0.7'	BOTTOM FLANGE	3
158	END DIA.	@ BENT 158	4.5' X 0.7'	DIAPHRAGM	1
159	END DIA.	@ BENT 158	1' X 1.5'	DIAPHRAGM	1
159	END DIA.	@ BENT 158	6.5' X 1.5'	DIAPHRAGM	2
159	END DIA.	@ BENT 158	0.7' X 0.7'	DIAPHRAGM	3
159	END DIA.	@ BENT 159	1' X 1.5'	DIAPHRAGM	2
161	END DIA.	@ BENT 160	1' X 0.5'	DIAPHRAGM	2
161	END DIA.	@ BENT 160	2' X 0.7'	DIAPHRAGM	1
161	END DIA.	@ BENT 161	1.5' X 0.3'	DIAPHRAGM	2
161	END DIA.	@ BENT 161	1.5' X 0.7'	DIAPHRAGM	3
161	G-3	3' FROM BENT 160	0.5' X 0.5'	WEB	2
162	END DIA.	@ BENT 161	5' X 0.5'	DIAPHRAGM	2
162	END DIA.	@ BENT 162	1' X 1'	DIAPHRAGM	1
162	G-1	@ BENT 162	0.8' X 1'	BOTTOM FLANGE	1
162	G-3	@ BENT 161	0.5' X 0.5'	BOTTOM FLANGE	2
163	END DIA.	@ BENT 162	2' X 0.5'	DIAPHRAGM	2
163	END DIA.	@ BENT 163	5.5' X 0.5'	DIAPHRAGM	3
163	G-2	@ BENT 162	0.8' X 1'	BOTTOM FLANGE	1
164	G-2	@ BENT 163	0.7' X 0.7'	BOTTOM FLANGE	2
164	G-2	@ BENT 164	0.5' X 0.5'	BOTTOM FLANGE	1
164	G-3	@ BENT 163	1' X 0.8'	BOTTOM FLANGE	2
166	G-2	@ BENT 166	0.5' X 0.5'	BOTTOM FLANGE	LT EXT
166	G-3	@ BENT 166	0.7' X 0.8'	BOTTOM FLANGE	3
167	END DIA.	@ BENT 166	0.3' X 0.8'	DIAPHRAGM	1
167	END DIA.	@ BENT 166	5' X 0.7'	DIAPHRAGM	2
167	END DIA.	@ BENT 167	1' X 6'	DIAPHRAGM	1
167	END DIA.	@ BENT 167	1' X 1'	DIAPHRAGM	RT EXT
167	G-3	@ BENT 166	1' X 0.7'	BOTTOM FLANGE	3
167	G-3	@ BENT 167	0.8' X 4'	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 154	GIRDERS	0.49	0.20			
	DIAPHRAGMS	3.40	1.42			
	DECK	0.00	0.00			
SPAN 155	GIRDERS	0.98	0.41			
	DIAPHRAGMS	22.70	9.46			
	DECK	0.00	0.00			
SPAN 156	GIRDERS	0.80	0.33			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 157	GIRDERS	2.48	1.03			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 158	GIRDERS	0.00	0.00			
	DIAPHRAGMS	3.15	1.31			
	DECK	0.00	0.00			
SPAN 159	GIRDERS	0.00	0.00			
	DIAPHRAGMS	13.24	5.52			
	DECK	0.00	0.00			
SPAN 160	GIRDERS	0.00	0.00			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 161	GIRDERS	0.25	0.10			
	DIAPHRAGMS	3.40	1.42			
	DECK	0.00	0.00			
SPAN 162	GIRDERS	1.05	0.44			
	DIAPHRAGMS	3.50	1.46			
	DECK	0.00	0.00			
SPAN 163	GIRDERS	0.80	0.33			
	DIAPHRAGMS	3.75	1.56			
	DECK	0.00	0.00			
SPAN 164	GIRDERS	1.54	0.64			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 165	GIRDERS	0.00	0.00			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 166	GIRDERS	0.81	0.34			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 167	GIRDERS	3.90	1.63			
	DIAPHRAGMS	10.74	4.48			
	DECK	0.00	0.00			

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

SHEET 13 OF 22

DocuSigned by:

Timothy M. Shearill
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.SHERILL DATE: 6/2016
DESIGN ENGINEER OF RECORD: T.SHERILL DATE: 6/2016

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-28
2			4			TOTAL SHEETS 394