

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
140	END DIA.	@ BENT 139	2.5' X 0.8'	DIAPHRAGM	2
140	G-2	5' FROM BENT 139	2.7' X 0.5'	BOTTOM FLANGE	2
140	G-2	3' FROM BENT 140	0.5' X 0.5'	WEB	1
141	END DIA.	@ BENT 140	5' X 0.7'	DIAPHRAGM	2
141	END DIA.	@ BENT 140	2.5' X 0.5'	DIAPHRAGM	1
141	END DIA.	@ BENT 140	1.5' X 1'	DIAPHRAGM	3
141	END DIA.	@ BENT 141	1.5' X 0.5'	DIAPHRAGM	2
141	END DIA.	@ BENT 141	2' X 2.5'	DIAPHRAGM	2
141	G-4	@ BENT 140	0.3' X 0.7'	BOTTOM FLANGE	RT EXT
141	G-4	@ BENT 141	0.3' X 0.7'	BOTTOM FLANGE	RT EXT
141	G-4	@ BENT 141	1.2' X 1'	BOTTOM FLANGE	3
142	END DIA.	@ BENT 141	3' X 0.3'	DIAPHRAGM	1
142	END DIA.	@ BENT 141	4' X 0.7'	DIAPHRAGM	3
142	END DIA.	@ BENT 142	0.5' X 0.7'	DIAPHRAGM	2
142	G-1	6' FROM BENT 142	0.8' X 0.5'	BOTTOM FLANGE	LT EXT
142	G-1	@ BENT 141	0.8' X 0.8'	BOTTOM FLANGE	LT EXT
142	G-2	@ BENT 141	3' X 0.3'	BOTTOM FLANGE	1
143	G-1	@ BENT 142	1' X 0.8'	BOTTOM FLANGE	LT EXT
143	G-3	@ BENT 142	1' X 0.8'	BOTTOM FLANGE	2
143	G-3	@ BENT 142	0.5' X 2'	WEB	3
144	END DIA.	@ BENT 143	2.5' X 0.7'	DIAPHRAGM	2
144	END DIA.	@ BENT 143	1' X 0.5'	DIAPHRAGM	2
144	G-1	@ BENT 143	1' X 0.4'	BOTTOM FLANGE	1
144	G-2	@ BENT 144	0.7' X 0.7'	BOTTOM FLANGE	2
144	G-3	@ BENT 144	0.7' X 0.6'	BOTTOM FLANGE	3
144	G-3	@ BENT 144	1' X 0.7'	BOTTOM FLANGE	2
144	G-4	4' FROM BENT 144	4' X 0.5'	BOTTOM FLANGE	3
145	END DIA.	@ BENT 144	0.5' X 0.5'	DIAPHRAGM	3
145	END DIA.	@ BENT 145	1' X 0.7'	DIAPHRAGM	1
145	END DIA.	@ BENT 145	0.5' X 0.7'	DIAPHRAGM	3
145	G-1	2.5' FROM BENT 144	0.3' X 0.3'	BOTTOM FLANGE	1
145	G-3	@ BENT 144	0.7' X 0.6'	BOTTOM FLANGE	2
145	G-3	@ BENT 145	0.5' X 0.8'	BOTTOM FLANGE	2
145	G-4	@ BENT 145	0.5' X 0.7'	BOTTOM FLANGE	3
146	END DIA.	@ BENT 145	2' X 1.5'	DIAPHRAGM	3
146	G-2	5' FROM BENT 145	1.5' X 0.6'	BOTTOM FLANGE	2
146	G-3	11' FROM BENT 145	0.5' X 0.6'	BOTTOM FLANGE	3
146	G-3	13' FROM BENT 145	1.5' X 0.6'	BOTTOM FLANGE	3
146	G-3	@ BENT 145	0.3' X 0.3'	WEB	2
146	G-3	@ BENT 146	2.5' X 0.6'	BOTTOM FLANGE	2
146	G-4	11' FROM BENT 145	1' X 0.8'	BOTTOM FLANGE	RT EXT
146	G-4	@ BENT 145	0.5' X 0.8'	BOTTOM FLANGE	3
146	G-4	@ BENT 146	1.5' X 0.8'	BOTTOM FLANGE	3
148	END DIA.	@ BENT 147	1.5' X 0.7'	DIAPHRAGM	2
148	END DIA.	@ BENT 148	3.5' X 0.8'	DIAPHRAGM	2
148	G-3	@ BENT 147	0.9' X 0.8'	BOTTOM FLANGE	3
149	END DIA.	@ BENT 147	2' X 0.5'	DIAPHRAGM	3
149	END DIA.	@ BENT 149	2' X 0.5'	DIAPHRAGM	2
149	G-1	@ BENT 147	0.5' X 0.5'	WEB	LT EXT
150	END DIA.	@ BENT 147	2.5' X 0.7'	DIAPHRAGM	2

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
150	END DIA.	@ BENT 147	2' X 0.7'	DIAPHRAGM	1
150	END DIA.	@ BENT 147	3' X 0.7'	DIAPHRAGM	2
150	G-4	@ BENT 150	0.7' X 0.7'	BOTTOM FLANGE	3
151	END DIA.	@ BENT 147	2' X 0.5	DIAPHRAGM	2
151	G-1	@ BENT 147	0.6' X 0.6'	BOTTOM FLANGE	LT EXT
151	G-1	@ BENT 147	0.7' X 0.8'	BOTTOM FLANGE	1
151	G-4	@ BENT 147	3' X 0.5	BOTTOM FLANGE	3
152	END DIA.	@ BENT 147	2' X 0.7'	DIAPHRAGM	2
152	END DIA.	@ BENT 151	1' X 1'	DIAPHRAGM	2
152	G-2	@ BENT 152	1' X 0.8'	BOTTOM FLANGE	1
152	G-3	@ BENT 147	0.5' X 0.7'	BOTTOM FLANGE	3
153	END DIA.	@ BENT 152	3.5' X 0.5'	DIAPHRAGM	2
153	END DIA.	@ BENT 152	3.5' X 0.5'	DIAPHRAGM	1
153	END DIA.	@ BENT 152	1' X 1'	DIAPHRAGM	LT EXT
153	END DIA.	@ BENT 153	2.5' X 0.8'	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 140	GIRDERS	1.60	0.67			
	DIAPHRAGMS	2.00	0.83			
	DECK	0.00	0.00			
SPAN 141	GIRDERS	1.62	0.68			
	DIAPHRAGMS	12.00	5.00			
	DECK	0.00	0.00			
SPAN 142	GIRDERS	1.94	0.81			
	DIAPHRAGMS	4.05	1.69			
	DECK	0.00	0.00			
SPAN 143	GIRDERS	2.60	1.08			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 144	GIRDERS	4.01	1.67			
	DIAPHRAGMS	2.25	0.94			
	DECK	0.00	0.00			
SPAN 145	GIRDERS	1.26	0.53			
	DIAPHRAGMS	1.30	0.54			
	DECK	0.00	0.00			
SPAN 146	GIRDERS	6.09	2.54			
	DIAPHRAGMS	3.00	1.25			
	DECK	0.00	0.00			
SPAN 147	GIRDERS	0.00	0.00			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 148	GIRDERS	0.72	0.30			
	DIAPHRAGMS	3.85	1.60			
	DECK	0.00	0.00			
SPAN 149	GIRDERS	0.25	0.10			
	DIAPHRAGMS	2.00	0.83			
	DECK	0.00	0.00			
SPAN 150	GIRDERS	0.49	0.20			
	DIAPHRAGMS	5.25	2.19			
	DECK	0.00	0.00			
SPAN 151	GIRDERS	2.42	1.01			
	DIAPHRAGMS	1.00	0.42			
	DECK	0.00	0.00			
SPAN 152	GIRDERS	1.15	0.58			
	DIAPHRAGMS	2.40	1.00			
	DECK	0.00	0.00			
SPAN 153	GIRDERS	6.50	2.71			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			

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

SHEET 12 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					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
TOTAL SHEETS					5-27 394

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