

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
168	G-1	@ BENT 168	0.6' X 0.6'	BOTTOM FLANGE	1
168	G-1	@ BENT 168	0.7' X 0.7'	BOTTOM FLANGE	2
168	G-3	@ BENT 168	0.6' X 0.7'	BOTTOM FLANGE	3
168	G-3	8' FROM INTER. DIA.	3' X 0.5'	BOTTOM FLANGE	RT EXT
168	G-4	@ BENT 167	0.5' X 0.8'	BOTTOM FLANGE	3
168	G-4	3.5' FROM INTER. DIA.	0.5' X 0.5'	WEB	3
169	END DIA.	@ BENT 168	1.5' X 0.7'	DIAPHRAGM	3
169	G-1	@ BENT 169	1' X 0.6'	BOTTOM FLANGE	1
169	G-1	@ BENT 169	1' X 0.6'	BOTTOM FLANGE	2
170	G-1	1.5' FROM INTER. DIA.	2.5' X 0.5'	BOTTOM FLANGE	1
170	G-1	@ BENT 170	0.7' X 0.8'	BOTTOM FLANGE	2
170	G-2	@ BENT 169	1.5' X 0.7'	BOTTOM FLANGE	2
170	G-2	@ BENT 169	0.5' X 0.8'	BOTTOM FLANGE	1
170	G-3	@ BENT 170	1.5' X 1.5'	BOTTOM FLANGE & WEB	3
170	G-4	@ BENT 170	1.5' X 1.5'	BOTTOM FLANGE & WEB	RT EXT
171	G-3	@ BENT 171	1' X 0.8'	BOTTOM FLANGE	3
172	END DIA.	@ BENT 171	0.3' X 0.7'	DIAPHRAGM	3
172	END DIA.	@ BENT 172	2' X 1'	DIAPHRAGM	2
172	END DIA.	@ BENT 172	2.5' X 0.3'	DIAPHRAGM	2
172	END DIA.	@ BENT 172	1.3' X 1.3'	DIAPHRAGM	RT EXT
172	G-1	@ BENT 171	1.5' X 0.8'	BOTTOM FLANGE	1
172	G-4	@ BENT 173	1' X 0.7'	BOTTOM FLANGE	3
173	END DIA.	@ BENT 174	3.5' X 1.5'	DIAPHRAGM	2
173	G-1	@ BENT 174	0.5' X 0.6'	BOTTOM FLANGE	1
173	G-2	3' FROM INTER. DIA.	0.3' X 0.3'	WEB	1
174	END DIA.	@ BENT 174	1.5' X 0.5'	DIAPHRAGM	2
174	END DIA.	@ BENT 174	1' X 1'	DIAPHRAGM	1
174	END DIA.	@ BENT 175	3' X 0.5'	DIAPHRAGM	2
174	G-3	@ BENT 175	1' X 0.7'	BOTTOM FLANGE	3
174	G-3	@ BENT 175	0.3' X 0.8'	BOTTOM FLANGE	LT EXT
175	G-2	@ BENT 176	1' X 0.8'	BOTTOM FLANGE	1
175	G-3	@ BENT 175	1.5' X 0.8'	BOTTOM FLANGE	2
175	G-3	3' FROM INTER. DIA.	1.5' X 0.5'	BOTTOM FLANGE	2
176	END DIA.	@ BENT 176	2' X 0.5'	DIAPHRAGM	2
176	G-3	@ BENT 177	1' X 0.7'	BOTTOM FLANGE	3
177	G-2	@ BENT 177	1.2' X 0.8'	BOTTOM FLANGE	1
178	G-1	@ BENT 178	0.5' X 0.5'	BOTTOM FLANGE	2
178	G-3	3' FROM INTER. DIA.	0.5' X 0.5'	WEB	2
179	END DIA.	@ BENT 180	4' X 1.5'	DIAPHRAGM	2
179	END DIA.	@ BENT 180	2' X 1'	DIAPHRAGM	2
179	END DIA.	@ BENT 180	2' X 1'	DIAPHRAGM	1
179	END DIA.	@ BENT 180	2' X 1'	DIAPHRAGM	1
179	G-1	6' FROM INTER. DIA.	0.5' X 0.5'	BOTTOM FLANGE	1
179	G-2	@ BENT 180	1' X 0.8'	BOTTOM FLANGE	1
179	G-2	3' FROM INTER. DIA.	0.5' X 0.5'	WEB	2
180	G-3	3.5' FROM INTER. DIA.	0.4' X 0.4'	WEB	3
181	END DIA.	@ BENT 181	1' X 1.5'	DIAPHRAGM	LT EXT
181	G-3	@ BENT 181	0.3' X 0.6'	BOTTOM FLANGE	LT EXT
181	G-3	3.5' FROM INTER. DIA.	0.4' X 0.4'	WEB	3

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	
			AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
SPAN 168	GIRDERS	3.42	1.43				
	DIAPHRAGMS	0.00	0.00				
	DECK	0.00	0.00				
SPAN 169	GIRDERS	1.20	0.50				
	DIAPHRAGMS	1.05	0.44				
	DECK	0.00	0.00				
SPAN 170	GIRDERS	7.76	3.23				
	DIAPHRAGMS	0.00	0.00				
	DECK	0.00	0.00				
SPAN 171	GIRDERS	0.80	0.33				
	DIAPHRAGMS	0.00	0.00				
	DECK	0.00	0.00				
SPAN 172	GIRDERS	1.90	0.79				
	DIAPHRAGMS	4.65	1.94				
	DECK	0.00	0.00				
SPAN 173	GIRDERS	0.39	0.16				
	DIAPHRAGMS	5.25	2.19				
	DECK	0.00	0.00				
SPAN 174	GIRDERS	0.94	0.39				
	DIAPHRAGMS	3.25	1.35				
	DECK	0.00	0.00				
SPAN 175	GIRDERS	2.75	1.15				
	DIAPHRAGMS	0.00	0.00				
	DECK	0.00	0.00				
SPAN 176	GIRDERS	0.70	0.29				
	DIAPHRAGMS	1.00	0.42				
	DECK	0.00	0.00				
SPAN 177	GIRDERS	0.96	0.40				
	DIAPHRAGMS	0.00	0.00				
	DECK	0.00	0.00				
SPAN 178	GIRDERS	0.50	0.21				
	DIAPHRAGMS	0.00	0.00				
	DECK	0.00	0.00				
SPAN 179	GIRDERS	1.30	0.54				
	DIAPHRAGMS	12.00	5.00				
	DECK	0.00	0.00				
SPAN 180	GIRDERS	0.16	0.07				
	DIAPHRAGMS	0.00	0.00				
	DECK	0.00	0.00				
SPAN 181	GIRDERS	0.34	0.14				
	DIAPHRAGMS	1.50	0.63				
	DECK	0.00	0.00				

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

SHEET 14 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					394

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