

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
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
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

REPAIR QUANTITY TABLE						
		QUANTITIES				
		ESTIMATE		ACTUAL		
		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
SPAN 181-195	SHOTCRETE					
	GIRDERS	2.71	0.79			
	DIAPHRAGMS	28.30	14.15			
	DECK	0.00	0.00			
EPOXY MORTAR		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
GIRDERS		6.40	1.87			

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MIN. OF 1" BEHIND REBAR AND MIN. 1" CL TO SAWCUT. SEE REPAIR DETAILS.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR EPOXY MORTAR REPAIRS, SEE SPECIAL PROVISIONS.

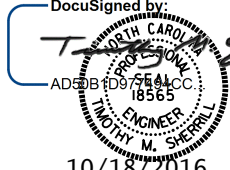
CONTRACTOR MAY ELECT TO USE EPOXY MORTAR IN LIEU OF SHOTCRETE.

\* ALL REPAIRS IN GIRDER FLANGE OR INCLUDING GIRDER FLANGE IN REPAIR SHALL BE EPOXY MORTAR.

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

SHEET 16 OF 22

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					S-31
					394

DocuSigned by:  
  
10/18/2016

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