

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
196	G-1	@ BENT 195	0.5' X 0.5'		* BOTTOM FLANGE	LT EXT
196	G-1	@ BENT 196	0.7' X 0.7'		* BOTTOM FLANGE	1
196	G-4	@ BENT 196	1.5' X 0.7'		* BOTTOM FLANGE	3
196	G-4	@ BENT 196	0.7' X 0.7'		* BOTTOM FLANGE	LT EXT
197	END DIA.	@ BENT 197	2' X 0.3'		DIAPHRAGM	2
197	G-1	@ BENT 197	1' X 0.5'		* BOTTOM FLANGE	1
197	G-1	@ BENT 197	1' X 0.5'		* BOTTOM FLANGE	1
197	G-2	@ BENT 196	0.5' X 0.5'		* BOTTOM FLANGE	1
197	G-2	@ BENT 197	0.5' X 0.5'		* BOTTOM FLANGE	3
197	G-3	@ BENT 197	0.5' X 0.5'		* BOTTOM FLANGE	2
197	G-4	@ BENT 197	0.7' X 0.7'		* BOTTOM FLANGE	3
198	G-2	5' FROM BENT 197	2.5' X 0.5'		* BOTTOM FLANGE	2
199	END DIA.	@ BENT 198	2' X 0.5'		DIAPHRAGM	2
199	END DIA.	@ BENT 199	1.5' X 0.5'		DIAPHRAGM	1
199	G-3	@ BENT 199	1.5' X 1'		* BOTTOM FLANGE	LT EXT
199	G-3	8' FROM BENT 198	2.5' X 0.3'		* BOTTOM FLANGE	2
200	G-2	@ BENT 200	0.5' X 0.5'		* BOTTOM FLANGE	1
201	G-1	@ BENT 201	1' X 0.7'		* BOTTOM FLANGE	1
201	G-2	8' FROM BENT 198	0.7' X 0.7'		WEB	1
201	G-2	8' FROM BENT 198	1' X 1'		WEB	1
202	G-2	@ BENT 202	0.7' X 0.8'		* BOTTOM FLANGE	2
203	END DIA.	@ BENT 203	6.5' X 0.8'		DIAPHRAGM	2
203	G-2	@ BENT 203	0.5' X 0.5'		* BOTTOM FLANGE	2
203	G-2	3' FROM BENT 203	0.7' X 0.7'		WEB	2
204	END DIA.	@ BENT 204	1' X 1.5'		DIAPHRAGM	1
204	G-2	4' FROM BENT 204	0.8' X 0.8'		WEB	1
205	END DIA.	@ BENT 204	1.5' X 1'		DIAPHRAGM	3
205	END DIA.	@ BENT 205	3' X 1'		DIAPHRAGM	2
206	END DIA.	@ BENT 205	1.5' X 0.7'		DIAPHRAGM	RT EXT
206	END DIA.	@ BENT 205	6.5' X 0.7'		DIAPHRAGM	2
206	G-1	@ BENT 205	0.8' X 0.8'		* BOTTOM FLANGE	LT EXT
206	G-1	@ BENT 205	0.8' X 0.8'		* BOTTOM FLANGE	1
206	G-1	@ BENT 206	0.8' X 0.8'		* BOTTOM FLANGE	1
206	G-2	@ BENT 205	1' X 0.8'		* BOTTOM FLANGE	2
206	G-2	20' FROM BENT 206	3' X 0.3'		* BOTTOM FLANGE	1
206	G-2	@ BENT 206	0.7' X 0.7'		* BOTTOM FLANGE	3
206	G-4	4' FROM BENT 205	1.5' X 0.3'		* BOTTOM FLANGE	1
207	END DIA.	@ BENT 206	2.5' X 0.5'		DIAPHRAGM	3
207	G-1	@ BENT 206	0.7' X 0.7'		* BOTTOM FLANGE	2
207	G-1	4' FROM BENT 206	1' X 1'		WEB	1
207	G-1	4' FROM BENT 207	0.8' X 0.8'		WEB	1
207	G-2	@ BENT 207	1' X 0.7'		* BOTTOM FLANGE	2
208	G-2	@ BENT 208	0.8' X 0.8'		* BOTTOM FLANGE	1
209	END DIA.	@ BENT 208	3.5' X 1'		DIAPHRAGM	2
209	END DIA.	@ BENT 208	2' X 0.5'		DIAPHRAGM	1
209	G-2	4' FROM BENT 208	0.5' X 0.5'		WEB	2
209	G-2	10' FROM BENT 208	4' X 0.3'		* BOTTOM FLANGE	3
209	G-2	3' FROM BENT 209	0.5' X 0.5'		WEB	1

REPAIR QUANTITY TABLE						
SPAN	REPAIR TYPE	QUANTITIES				
		ESTIMATE		ACTUAL		
		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
196-209	SHOTCRETE					
	GIRDERS	4.76	1.39			
	DIAPHRAGMS	26.15	13.08			
	DECK	0.00	0.00			
EPOXY MORTAR						
	GIRDERS	17.37	5.07			

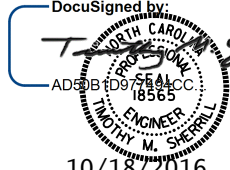
VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MIN. OF 1" BEHIND REBAR AND MIN. 1" CL TO SAWCUT. SEE REPAIR DETAILS.

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 17 OF 22

DocuSigned by:

10/18/2016

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					S-32
					394

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