

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

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

REPAIR QUANTITY TABLE						
SPAN	REPAIR TYPE	QUANTITIES				
		ESTIMATE		ACTUAL		
		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
164-180	SHOTCRETE					
	GIRDERS	1.00	0.29			
	DIAPHRAGMS	37.94	18.97			
	DECK	0.00	0.00			
164-180	PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL	AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
	GIRDERS	28.03	8.18			

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 PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL, SEE SPECIAL PROVISIONS.

CONTRACTOR MAY ELECT TO USE PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL IN LIEU OF SHOTCRETE.

\* ALL REPAIRS IN GIRDER FLANGE OR INCLUDING GIRDER FLANGE IN REPAIR SHALL BE PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL.

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

SHEET 15 OF 22

DocuSigned by:  
  
AD50B1977494CC...  
  
1/13/2017

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
GIRDER, DIAPHRAGM  
& UNDERDECK REPAIRS

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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