

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
238	G-1	@ BENT 238	1' x 1'		END OF GIRDER	1
238	G-2	0.5' FROM BENT 238	0.5' x 1.5'		*BOTTOM FLANGE	1
238	G-3	@ BENT 237	0.7' x 0.7'		END OF GIRDER	2
238	G-4	@ BENT 238	1' x 0.8'		END OF GIRDER	3
238	G-1	@ BENT 237	0.7' x 0.8'		END OF GIRDER	LT EXT
238	G-4	@ BENT 237	0.7' x 0.7'		END OF GIRDER	3
238	G-4	4' FROM BENT 238	0.4' x 0.4'		WEB	3
239	END DIA.	@ BENT 238	1.5' X 2'		DIAPHRAGM	LT EXT
239	G-3	4' FROM BENT 239	0.5' X 0.5'		WEB	2
240	END DIA.	@ BENT 240	2' X 1.5'		DIAPHRAGM	2
240	G-2	1' FROM BENT 239	1' X 0.5'		*BOTTOM FLANGE	1
241	G-2	@ BENT 240	3' X 1'		*BOTTOM FLANGE	1
241	G-3	@ BENT 240	1' X 1'		END OF GIRDER	2
241	G-4	@ BENT 241	1' X 0.5'		END OF GIRDER	3
244	G-3	@ BENT 244	1' X 1'		END OF GIRDER	2
245	G-3	@ BENT 244	0.5' X 1'		END OF GIRDER	2
245	G-2	1.5' FROM BENT 244	0.4' X 0.4'		WEB	2
245	G-4	5' FROM BENT 244	0.4' X 0.4'		WEB	3
245	G-3	@ BENT 244	2' X 1'		END OF GIRDER	2
245	G-4	@ BENT 244	0.5' X 1'		END OF GIRDER	3
245	G-2	@ BENT 244	0.5' X 1.5'		*BOTTOM FLANGE	2
245	G-4	@ BENT 244	1' X 2'		END OF GIRDER	3
246	G-1	@ BENT 246	1' X 1.5'		END OF GIRDER	1
246	G-1	@ INTER. DIA.	4' X 1.5'		*BOTTOM FLANGE	1
247	G-4	0.5' FROM BENT 246	4' X 1'		*BOTTOM FLANGE	1
247	G-2	@ BENT 246	2' X 1'		*BOTTOM FLANGE	1
247	G-2	3' FROM BENT 246	0.4' X 0.4'		WEB	2
248	END DIA.	@ BENT 248	3' X 1'		DIAPHRAGM	2
248	G-2	2' FROM BENT 247	0.4' X 0.4'		TOP FLANGE	2
249	G-1	@ BENT 249	1' X 1'		END OF GIRDER	1
249	G-2	@ BENT 248	1' X 1'		*BOTTOM FLANGE	1
250	G-1	@ BENT 250	1' X 1'		*BOTTOM FLANGE	LT EXT
251	G-2	5' FROM BENT 251	0.4' X 1.3'		*BOTTOM FLANGE	1
251	G-3	4' FROM BENT 250	0.3' X 0.3'		*BOTTOM FLANGE	2
252	END DIA.	@ BENT 252	1' X 1'		DIAPHRAGM	3
252	G-1	@ BENT 251	1.5' X 1.5'		END OF GIRDER	LT EXT
252	G-1	@ BENT 252	1' X 1'		END OF GIRDER	LT EXT
252	G-1	4' FROM BENT 251	0.4' X 0.4'		WEB	1
252	G-2	@ BENT 251	1' X 1.5'		*BOTTOM FLANGE	1
252	G-3	@ BENT 251	1.5' X 1'		*BOTTOM FLANGE	2
253	G-1	@ BENT 253	1' X 0.8'		*BOTTOM FLANGE	1
255	G-1	@ BENT 254	2' X 0.8'		*BOTTOM FLANGE	1
255	G-2	@ BENT 255	0.7' X 0.8'		*BOTTOM FLANGE	2
255	G-3	@ BENT 254	0.9' X 0.3'		*BOTTOM FLANGE	2
255	G-4	@ BENT 255	0.6' X 0.7'		WEB	RT EXT
255	G-4	3' FROM BENT 256	0.4' X 0.4'		WEB	3

REPAIR QUANTITY TABLE						
		QUANTITIES				
		ESTIMATE		ACTUAL		
		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
SPAN 238-256	SHOTCRETE					
	GIRDERS	18.38	5.36			
	DIAPHRAGMS	10.00	5.00			
	DECK	0.00	0.00			
EPOXY MORTAR		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
GIRDERS		25.84	7.54			

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.

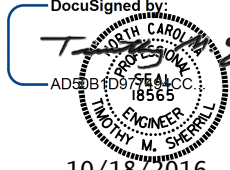
PROJECT NO. B-5936
TYRRELL COUNTY
BRIDGE NO. 7

SHEET 20 OF 22

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**GIRDER, DIAPHRAGM
& UNDERDECK REPAIRS**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			S-35
2			4			394

DocuSigned by:

10/18/2016

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