

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
257	G-1	@ BENT 257	0.5' X 0.6'		*BOTTOM FLANGE	1
257	G-3	@ BENT 257	0.5' X 0.8'		*BOTTOM FLANGE	2
257	G-4	@ BENT 256	1.7' X 0.3'		*BOTTOM FLANGE	3
257	G-4	3' FROM BENT 256	1.3' X 0.3'		*BOTTOM FLANGE	3
258	G-2	@ BENT 258	0.3' X 1.3'		*BOTTOM FLANGE & WEB	1
258	G-3	1' FROM BENT 258	0.5' X 0.4'		WEB	3
258	G-4	@ BENT 258	0.6' X 0.6'		*BOTTOM FLANGE	3
259	G-1	@ BENT 259	0.4' X 0.7'		*BOTTOM FLANGE	LT EXT
259	G-3	@ BENT 259	0.5' X 0.7'		*BOTTOM FLANGE	2
259	G-3	@ BENT 259	1.3' X 1'		*BOTTOM FLANGE	3
259	G-4	@ BENT 259	0.6' X 0.7'		*BOTTOM FLANGE	3
260	G-1	@ BENT 259	0.5' X 0.7'		*BOTTOM FLANGE	1
260	G-1	@ BENT 260	0.6' X 0.6'		*BOTTOM FLANGE	1
260	G-2	@ BENT 260	1' X 0.8'		*BOTTOM FLANGE	1
261	G-3	@ BENT 261	0.6' X 0.7'		*BOTTOM FLANGE	3
261	G-4	@ BENT 261	0.8' X 0.8'		*BOTTOM FLANGE	3
264	G-2	@ BENT 264	0.4' X 0.6'		*BOTTOM FLANGE	1
264	G-4	@ BENT 264	1.1' X 0.3'		*BOTTOM FLANGE	3
265	G-1	@ BENT 265	0.8' X 0.8'		*BOTTOM FLANGE	1
265	G-2	@ BENT 265	0.7' X 0.7'		*BOTTOM FLANGE	1
265	G-2	@ BENT 265	1.2' X 0.8'		*BOTTOM FLANGE	2
265	G-3	@ BENT 264	1' X 1.5'		*BOTTOM FLANGE	2
265	G-3	@ BENT 265	0.3' X 0.5'		*BOTTOM FLANGE	2
265	G-3	@ BENT 265	0.8' X 1.5'		*BOTTOM FLANGE	2
265	G-3	@ BENT 265	0.6' X 0.6'		*BOTTOM FLANGE	3
266	G-1	@ BENT 265	0.6' X 0.8'		*BOTTOM FLANGE	1
266	G-2	@ BENT 265	0.6' X 0.6'		*BOTTOM FLANGE	1
266	G-2	@ BENT 266	0.6' X 0.8'		*BOTTOM FLANGE	2
266	G-3	@ BENT 265	0.8' X 0.7'		*BOTTOM FLANGE	3
266	G-3	@ BENT 266	0.8' X 0.3'		*BOTTOM FLANGE	2
267	G-2	@ BENT 266	0.8' X 0.8'		*BOTTOM FLANGE	2
268	G-2	@ BENT 267	1.8' X 0.3'		*BOTTOM FLANGE	2
268	G-3	26' FROM BENT 267	4.3' X 0.4'		*BOTTOM FLANGE	2
268	G-3	26' FROM BENT 267	2.5' X 0.5'		*BOTTOM FLANGE	3
269	G-1	@ BENT 268	0.4' X 0.7'		*BOTTOM FLANGE	LT EXT
269	G-2	@ BENT 269	0.4' X 0.7'		*BOTTOM FLANGE	2
269	G-3	@ BENT 269	3.6' X 0.8'		*BOTTOM FLANGE	3
271	DECK	@ BENT 270	2' X 1.7'		BOTTOM OF DECK	3
271	G-1	@ BENT 271	1.5' X 1.3'		*BOTTOM FLANGE & WEB	LT EXT
271	G-1	@ BENT 271	0.7' X 0.7'		WEB	1
271	G-2	@ BENT 270	0.7' X 0.7'		*BOTTOM FLANGE	1

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
272	END DIA.	@ BENT 272	1.3' X 1.5'		DIAPHRAGM	LT EXT
272	G-1	@ BENT 271	0.8' X 0.6'		*BOTTOM FLANGE	LT EXT
272	G-1	@ BENT 272	0.8' X 0.6'		*BOTTOM FLANGE	1
272	G-1	@ BENT 272	0.7' X 0.7'		WEB	1
272	G-3	@ BENT 271	0.8' X 0.7'		*BOTTOM FLANGE	2
272	G-4	@ BENT 272	1.2' X 0.8'		*BOTTOM FLANGE	3
273	G-1	@ BENT 272	0.7' X 0.6'		*BOTTOM FLANGE	LT EXT
273	G-1	@ BENT 272	0.3' X 0.7'		WEB	LT EXT
273	G-1	@ BENT 272	0.8' X 0.8'		*BOTTOM FLANGE	1
273	G-1	2' FROM BENT 272	1.2' X 1.2'		WEB	1
273	G-2	1' FROM BENT 272	1.1' X 1'		WEB	2
273	G-2	2' FROM BENT 273	1' X 0.8'		WEB	2
273	G-3	@ BENT 273	1.1' X 1.4'		WEB	2
273	G-4	@ BENT 273	0.5' X 0.7'		WEB	3
274	DECK	10' FROM BENT 273	1.8' X 0.8'		BOTTOM OF DECK	1
274	G-1	@ BENT 273	0.8' X 0.8'		WEB	LT EXT
274	G-1	@ BENT 274	2.2' X 1.2'		*BOTTOM FLANGE	LT EXT
274	G-1	@ BENT 274	2' X 0.3'		*BOTTOM FLANGE	1
274	G-2	2' FROM BENT 273	2.2' X 1.2'		WEB	1
274	G-3	@ BENT 274	6' X 1'		*BOTTOM FLANGE	2
274	G-3	@ BENT 274	1.9' X 1'		*BOTTOM FLANGE	2
274	G-3	@ BENT 274	1.8' X 1'		*BOTTOM FLANGE	2
274	G-4	@ BENT 274	2' X 0.8'		*BOTTOM FLANGE	3
274	G-4	@ BENT 274	1' X 0.8'		*BOTTOM FLANGE	RT EXT
274	G-4	4' FROM BENT 273	0.3' X 1.2'		WEB	3

REPAIR QUANTITY TABLE						
SPAN	MEMBER	LENGTH FROM BENT (FT)	QUANTITIES			
			ESTIMATE		ACTUAL	
			AREA SF	VOLUME CF	AREA SF	DEPTH FT
257-274	SHOTCRETE					
	GIRDERS		10.26	2.99		
	DIAPHRAGMS		1.95	0.98		
	DECK		4.84	2.42		
	PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL					
	GIRDERS		44.17	12.88		

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.

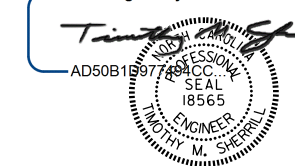
CONTRACTOR MAY ELECT TO USE PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL IN LIEU OF SHOTCRETE.

* 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 21 OF 22

DocuSigned by:



1/13/2017

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		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED					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