

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
134	END DIA.	@ BENT 133	1' X 0.7'		DIAPHRAGM	RT EXT
134	END DIA.	@ BENT 133	1' X 1.5'		DIAPHRAGM	2
134	END DIA.	@ BENT 133	0.5' X 2'		DIAPHRAGM	2
134	END DIA.	@ BENT 134	2' X 0.7'		DIAPHRAGM	1
134	G-1	@ BENT 133	0.5' X 0.7'		* BOTTOM FLANGE	LT EXT
134	G-3	2.5' FROM BENT 134	0.5' X 0.5'		WEB	2
134	G-3	3' FROM BENT 134	0.5' X 0.5'		WEB	3
134	G-3	@ BENT 134	0.8' X 0.7'		* BOTTOM FLANGE	3
135	END DIA.	@ BENT 135	3' X 0.7'		DIAPHRAGM	3
135	G-2	@ BENT 135	1' X 0.8'		* BOTTOM FLANGE	1
135	G-3	@ BENT 135	0.7' X 0.8'		* BOTTOM FLANGE	2
136	G-1	3' FROM BENT 135	1' X 0.5'		WEB	1
136	G-1	@ BENT 135	0.8' X 0.8'		* BOTTOM FLANGE	1
136	G-2	@ BENT 135	0.8' X 0.8'		* BOTTOM FLANGE	2
136	G-3	1' FROM BENT 136	1' X 4'		* BOTTOM FLANGE	2
136	G-3	@ BENT 136	1' X 1.5'		* BOTTOM FLANGE	2
136	G-4	3' FROM BENT 136	0.5' X 0.5'		WEB	3
136	G-4	@ BENT 136	1' X 0.8'		* BOTTOM FLANGE	3
137	G-1	@ BENT 136	0.8' X 0.8'		* BOTTOM FLANGE	1
137	G-2	@ BENT 136	1' X 0.7'		* BOTTOM FLANGE	1
137	G-4	@ BENT 137	0.5' X 0.6'		* BOTTOM FLANGE	3
138	END DIA.	@ BENT 138	0.5' X 1.5'		DIAPHRAGM	1
138	END DIA.	@ BENT 138	2.5' X 1'		DIAPHRAGM	2
138	END DIA.	@ BENT 138	0.5' X 1.5'		DIAPHRAGM	2
138	G-1	@ BENT 137	0.3' X 0.7'		* BOTTOM FLANGE	1
138	G-1	@ BENT 138	1' X 0.7'		* BOTTOM FLANGE	1
138	G-3	@ BENT 137	0.7' X 0.7'		* BOTTOM FLANGE	2
138	G-3	@ BENT 138	0.7' X 0.7'		* BOTTOM FLANGE	2
139	G-1	@ BENT 139	0.5' X 0.6'		* BOTTOM FLANGE	LT EXT
139	G-2	@ BENT 139	0.5' X 0.6'		* BOTTOM FLANGE	1
139	G-2	@ BENT 139	1.3' X 1.2'		* BOTTOM FLANGE	2
140	END DIA.	@ BENT 139	2.5' X 0.8'		DIAPHRAGM	2
140	G-2	5' FROM BENT 139	2.7' X 0.5'		* BOTTOM FLANGE	2
140	G-2	3' FROM BENT 140	0.5' X 0.5'		WEB	1
141	END DIA.	@ BENT 140	5' X 0.7'		DIAPHRAGM	2
141	END DIA.	@ BENT 140	2.5' X 0.5'		DIAPHRAGM	1
141	END DIA.	@ BENT 140	1.5' X 1'		DIAPHRAGM	3
141	END DIA.	@ BENT 141	1.5' X 0.5'		DIAPHRAGM	2
141	END DIA.	@ BENT 141	2' X 2.5'		DIAPHRAGM	2
141	G-4	@ BENT 140	0.3' X 0.7'		* BOTTOM FLANGE	RT EXT
141	G-4	@ BENT 141	0.3' X 0.7'		* BOTTOM FLANGE	RT EXT
141	G-4	@ BENT 141	1.2' X 1'		* BOTTOM FLANGE	3
142	END DIA.	@ BENT 141	3' X 0.3'		DIAPHRAGM	1
142	END DIA.	@ BENT 141	4' X 0.7'		DIAPHRAGM	3
142	END DIA.	@ BENT 142	0.5' X 0.7'		DIAPHRAGM	2
142	G-1	6' FROM BENT 142	0.8' X 0.5'		* BOTTOM FLANGE	LT EXT
142	G-1	@ BENT 141	0.8' X 0.8'		* BOTTOM FLANGE	LT EXT
142	G-2	@ BENT 141	3' X 0.3'		* BOTTOM FLANGE	1

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
143	G-1	@ BENT 142	1' X 0.8'		* BOTTOM FLANGE	LT EXT
143	G-3	@ BENT 142	1' X 0.8'		* BOTTOM FLANGE	2
143	G-3	@ BENT 142	0.5' X 2'		WEB	3
144	END DIA.	@ BENT 143	2.5' X 0.7'		DIAPHRAGM	2
144	END DIA.	@ BENT 143	1' X 0.5'		DIAPHRAGM	2
144	G-1	@ BENT 143	1' X 0.4'		* BOTTOM FLANGE	1
144	G-2	@ BENT 144	0.7' X 0.7'		* BOTTOM FLANGE	2
144	G-3	@ BENT 144	0.7' X 0.6'		* BOTTOM FLANGE	3
144	G-3	@ BENT 144	1' X 0.7'		* BOTTOM FLANGE	2
144	G-4	4' FROM BENT 144	4' X 0.5'		* BOTTOM FLANGE	3
145	END DIA.	@ BENT 144	0.5' X 0.5'		DIAPHRAGM	3
145	END DIA.	@ BENT 145	1' X 0.7'		DIAPHRAGM	1
145	END DIA.	@ BENT 145	0.5' X 0.7'		DIAPHRAGM	3
145	G-1	2.5' FROM BENT 144	0.3' X 0.3'		* BOTTOM FLANGE	1
145	G-3	@ BENT 144	0.7' X 0.6'		* BOTTOM FLANGE	2
145	G-3	@ BENT 145	0.5' X 0.8'		* BOTTOM FLANGE	2
145	G-4	@ BENT 145	0.5' X 0.7'		* BOTTOM FLANGE	3
146	END DIA.	@ BENT 145	2' X 1.5'		DIAPHRAGM	3
146	G-2	5' FROM BENT 145	1.5' X 0.6'		* BOTTOM FLANGE	2
146	G-3	11' FROM BENT 145	0.5' X 0.6'		* BOTTOM FLANGE	3
146	G-3	13' FROM BENT 145	1.5' X 0.6'		* BOTTOM FLANGE	3
146	G-3	@ BENT 145	0.3' X 0.3'		WEB	2
146	G-3	@ BENT 146	2.5' X 0.6'		* BOTTOM FLANGE	2
146	G-4	11' FROM BENT 145	1' X 0.8'		* BOTTOM FLANGE	RT EXT
146	G-4	@ BENT 145	0.5' X 0.8'		* BOTTOM FLANGE	3
146	G-4	@ BENT 146	1.5' X 0.8'		* BOTTOM FLANGE	3
148	END DIA.	@ BENT 147	1.5' X 0.7'		DIAPHRAGM	2
148	END DIA.	@ BENT 148	3.5' X 0.8'		DIAPHRAGM	2
148	G-3	@ BENT 147	0.9' X 0.8'		* BOTTOM FLANGE	3

REPAIR QUANTITY TABLE						
SPAN	REPAIR TYPE	QUANTITIES				
		ESTIMATE		ACTUAL		
		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
134-148	SHOTCRETE					
	GIRDERS	2.59	0.76			
	DIAPHRAGMS	39.15	19.58			
	DECK	0.00	0.00			
EPOXY MORTAR	AREA SF					
	VOLUME CF					
GIRDERS	AREA SF	34.04	9.93			
	VOLUME CF					

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.

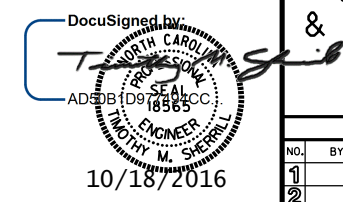
FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

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 13 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		
					S-28
					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