

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
116	END DIA.	@ BENT 116	2' X 0.7'		DIAPHRAGM	LT EXT
117	DECK	@ BENT 116	1' X 2'		BOTTOM OF DECK	RT EXT
117	END DIA.	@ BENT 116	1.5' X 1.5'		DIAPHRAGM	2
117	END DIA.	@ BENT 116	1.5' X 1'		DIAPHRAGM	2
117	G-1	@ BENT 117	0.7' X 1'		*BOTTOM FLANGE	1
117	G-1	@ BENT 117	0.7' X 1'		*BOTTOM FLANGE	2
117	G-2	@ BENT 117	0.7' X 1'		*BOTTOM FLANGE	3
118	G-1	@ BENT 118	0.5' X 0.5'		*BOTTOM FLANGE	1
118	G-1	@ BENT 118	0.5' X 0.5'		*BOTTOM FLANGE	2
118	G-1	@ BENT 118	0.5' X 0.5'		*BOTTOM FLANGE	2
118	G-3	3' FROM BENT 117	0.7' X 0.7'		WEB	2
119	END DIA.	@ BENT 119	1' X 3'		DIAPHRAGM	3
119	G-1	@ BENT 119	0.5' X 0.5'		*BOTTOM FLANGE	1
119	G-2	@ BENT 119	0.5' X 0.5'		*BOTTOM FLANGE	1
119	G-2	@ BENT 119	0.7' X 0.7'		*BOTTOM FLANGE	2
119	G-3	@ BENT 119	0.7' X 0.7'		*BOTTOM FLANGE	3
120	END DIA.	@ BENT 119	2' X 0.5'		DIAPHRAGM	3
120	END DIA.	@ BENT 119	4' X 0.7'		DIAPHRAGM	2
120	G-1	@ BENT 119	0.5' X 0.5'		*BOTTOM FLANGE	LT EXT
120	G-2	@ BENT 119	1' X 0.7'		*BOTTOM FLANGE	3
120	G-2	@ BENT 120	0.5' X 1'		*BOTTOM FLANGE	2
120	G-4	12' FROM BENT 119	4' X 0.5'		*BOTTOM FLANGE	3
120	G-4	@ BENT 119	0.7' X 0.7'		*BOTTOM FLANGE	3
121	END DIA.	@ BENT 121	1' X 0.8'		DIAPHRAGM	3
121	G-1	@ BENT 121	0.7' X 0.7'		*BOTTOM FLANGE	1
121	G-2	@ BENT 121	1.5' X 0.5'		*BOTTOM FLANGE	1
121	G-3	@ BENT 120	2.5' X 0.5'		*BOTTOM FLANGE	2
121	G-3	@ BENT 121	0.7' X 0.7'		*BOTTOM FLANGE	3
121	G-4	@ BENT 121	0.5' X 0.6'		*BOTTOM FLANGE	3
122	END DIA.	@ BENT 121	2.5' X 0.5'		DIAPHRAGM	1
122	END DIA.	@ BENT 122	4' X 0.3'		DIAPHRAGM	1
122	END DIA.	@ BENT 122	2.5' X 1'		DIAPHRAGM	2
122	G-1	@ BENT 121	1' X 1'		*BOTTOM FLANGE	LT EXT
123	END DIA.	@ BENT 122	1' X 4'		DIAPHRAGM	1
123	END DIA.	@ BENT 123	1.5' X 0.8'		DIAPHRAGM	3
123	G-2	3' FROM BENT 123	0.5' X 0.5'		WEB	1
123	G-3	3' FROM BENT 123	0.5' X 0.5'		WEB	2
123	G-3	@ BENT 123	0.5' X 0.5'		*BOTTOM FLANGE	3
124	G-2	@ BENT 124	0.7' X 0.7'		*BOTTOM FLANGE	1
124	G-2	@ BENT 124	0.7' X 0.7'		*BOTTOM FLANGE	2
124	G-3	@ BENT 123	0.5' X 0.5'		*BOTTOM FLANGE	3
125	DECK	20' FROM BENT 124	1' X 1'		BOTTOM OF DECK	RT EXT
125	G-2	@ BENT 124	0.7' X 0.7'		*BOTTOM FLANGE	2
125	G-4	@ BENT 125	0.7' 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
127	G-1	@ BENT 126	0.7' X 1'		*BOTTOM FLANGE	RT EXT
127	G-2	3' FROM BENT 127	0.3' X 0.3'		WEB	1
127	G-2	@ BENT 126	0.7' X 1.5'		*BOTTOM FLANGE	1
127	G-3	@ BENT 126	0.7' X 0.8'		*BOTTOM FLANGE	2
127	G-4	@ BENT 126	0.8' X 0.8'		*BOTTOM FLANGE	3
127	G-4	@ BENT 127	0.8' X 1'		*BOTTOM FLANGE	3
127	G-4	@ BENT 127	1' X 1'		*BOTTOM FLANGE	2
127	G-4	@ BENT 127	0.7' X 1.5'		*BOTTOM FLANGE	3
127	G-4	@ BENT 127	1' X 0.8'		*BOTTOM FLANGE	3
127	G-4	@ BENT 127	2.5' X 0.6'		*BOTTOM FLANGE	2
127	G-4	@ BENT 127	1.5' X 0.6'		*BOTTOM FLANGE	1
127	G-4	@ BENT 127	1.5' X 0.6'		*BOTTOM FLANGE	1
127	G-4	@ BENT 127	0.6' X 1.5'		*BOTTOM FLANGE	1
127	G-4	@ BENT 127	1' X 1'		*BOTTOM FLANGE	RT EXT
128	END DIA.	@ BENT 128	1.5' X 0.7'		DIAPHRAGM	2
128	G-1	@ BENT 128	0.5' X 0.3'		WEB	RT EXT
128	G-2	@ BENT 128	0.7' X 0.6'		*BOTTOM FLANGE	2
128	G-2	@ BENT 128	0.7' X 1'		*BOTTOM FLANGE	1
128	G-3	3' FROM BENT 128	0.5' X 0.5'		WEB	2
128	G-3	@ BENT 128	0.7' X 0.7'		*BOTTOM FLANGE	3
128	G-4	@ BENT 128	1.5' X 0.8'		*BOTTOM FLANGE	3
129	G-2	@ BENT 129	1' X 1'		*BOTTOM FLANGE & WEB	1
129	G-3	@ BENT 128	0.7' X 0.8'		*BOTTOM FLANGE	3
129	G-3	@ BENT 129	1' X 1.5'		*BOTTOM FLANGE	2
129	G-4	@ BENT 128	0.7' X 0.6'		*BOTTOM FLANGE	3
129	G-4	@ BENT 129	0.5' X 0.8'		*BOTTOM FLANGE	LT EXT
130	END DIA.	@ BENT 129	0.7' X 1.5'		DIAPHRAGM	1
130	END DIA.	@ BENT 130	3.5' X 0.5'		DIAPHRAGM	2
130	END DIA.	@ BENT 130	1' X 0.8'		DIAPHRAGM	1
130	END DIA.	@ BENT 131	4' X 1'		DIAPHRAGM	1
130	G-1	@ BENT 131	1' X 0.8'		*BOTTOM FLANGE	1
130	G-2	@ BENT 129	0.6' X 1'		*BOTTOM FLANGE	2
130	G-2	@ BENT 129	1' X 1.5'		*BOTTOM FLANGE	1
130	G-2	@ BENT 131	0.8' X 0.8'		*BOTTOM FLANGE	1
130	G-2	@ BENT 131	0.5' X 0.6'		*BOTTOM FLANGE	2
130	G-3	@ BENT 129	0.3' X 3'		*BOTTOM FLANGE	2
130	G-3	@ BENT 131	0.6' X 0.8'		*BOTTOM FLANGE	2
130	G-3	@ BENT 131	1' X 0.8'		*BOTTOM FLANGE	3
130	G-4	@ BENT 129	0.3' X 1'		*BOTTOM FLANGE	3
130	G-4	@ BENT 130	1' X 0.8'		*BOTTOM FLANGE	3
132	G-1	@ BENT 132	1.5' X 0.8'		*BOTTOM FLANGE	1
132	G-3	@ BENT 131	0.5' X 0.8'		*BOTTOM FLANGE	3
133	END DIA.	@ BENT 132	2.5' X 0.7'		DIAPHRAGM	2
133	G-1	5' FROM BENT 132	4' X 0.5'		*BOTTOM FLANGE	1
133	G-2	@ BENT 132	0.7' X 0.8'		*BOTTOM FLANGE	1
133	G-3	3' FROM BENT 133	0.5' X 0.5'		WEB	2

REPAIR QUANTITY TABLE						
SPAN	MEMBER	LENGTH FROM BENT (FT)	QUANTITIES			
			ESTIMATE		ACTUAL	
			AREA SF	VOLUME CF	AREA SF	DEPTH FT
SPAN 116-133	SHOTCRETE					
	GIRDERS		1.73	0.50		
	DIAPHRAGMS		33.30	16.65		
	DECK		4.40	2.20		
	PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL					
	GIRDERS		45.27	13.20		

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.


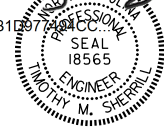
FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

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

DocuSigned by:

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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.SHERILL DATE : 6/2016
DESIGN ENGINEER OF RECORD: T.SHERILL DATE : 6/2016

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			5-27
2			4			TOTAL SHEETS 394