

REPAIR QUANTITY TABLE

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
113	END DIA.	@ BENT 113	1.3' X 1.4'	DIAPHRAGM	LT EXT
113	END DIA.	@ BENT 113	1.4' X 2.2'	DIAPHRAGM	1
113	END DIA.	@ BENT 113	1.4' X 1.7'	DIAPHRAGM	1
113	END DIA.	@ BENT 113	1' X 1.5'	DIAPHRAGM	2
113	END DIA.	@ BENT 113	1.3' X 2'	DIAPHRAGM	RT EXT
113	END DIA.	@ BENT 113	1.2' X 2'	DIAPHRAGM	3
113	END DIA.	@ BENT 113	1.2' X 1.2'	DIAPHRAGM	3
113	END DIA.	@ BENT 113	0.8' X 0.8'	DIAPHRAGM	RT EXT
113	END DIA.	@ BENT 112	3' X 1'	DIAPHRAGM	1
113	END DIA.	@ BENT 112	3' X 1'	DIAPHRAGM	2
113	END DIA.	@ BENT 112	0.8' X 1.5'	DIAPHRAGM	3
113	G-1	@ BENT 113	0.8' X 0.7'	BOTTOM FLANGE	1
113	G-1	@ BENT 112	0.6' X 0.5'	BOTTOM FLANGE & WEB	1
113	G-2	@ BENT 112	0.7' X 0.5'	BOTTOM FLANGE	2
113	G-3	@ BENT 112	0.7' X 0.7'	BOTTOM FLANGE & WEB	3
113	G-4	@ BENT 112	0.8' X 0.7'	BOTTOM FLANGE & WEB	3
114	END DIA.	@ BENT 114	1.2' X 0.7'	DIAPHRAGM	1
114	END DIA.	@ BENT 113	0.8' X 1'	DIAPHRAGM	LT EXT
114	END DIA.	@ BENT 113	1' X 3.1'	DIAPHRAGM	1
114	END DIA.	@ BENT 113	1.7' X 1.5'	DIAPHRAGM	1
114	END DIA.	@ BENT 113	1.4' X 1.4'	DIAPHRAGM	2
114	END DIA.	@ BENT 113	1.3' X 2'	DIAPHRAGM	2
114	END DIA.	@ BENT 113	1.3' X 2'	DIAPHRAGM	3
114	END DIA.	@ BENT 113	1.7' X 1.8'	DIAPHRAGM	2
114	END DIA.	@ BENT 113	0.5' X 0.7'	DIAPHRAGM	RT EXT
114	G-2	@ BENT 113	1.4' X 0.3'	BOTTOM FLANGE	2
114	G-4	@ BENT 114	1.8' X 0.9'	BOTTOM FLANGE	LT EXT
115A	END DIA.	@ REST PIER 1	1.5' X 1.1'	DIAPHRAGM	1
115A	END DIA.	@ BENT 114	1.5' X 1.1'	DIAPHRAGM	LT EXT
115A	END DIA.	@ BENT 114	0.5' X 0.5'	DIAPHRAGM	1
115A	END DIA.	@ BENT 114	2.8' X 0.5'	DIAPHRAGM	1
115A	END DIA.	@ BENT 114	2.5' X 0.5'	DIAPHRAGM	2
115A	END DIA.	@ BENT 114	0.8' X 0.4'	DIAPHRAGM	2
115A	END DIA.	@ BENT 114	3' X 1'	DIAPHRAGM	3
115A	G-1	@ REST PIER 2	1.7' X 0.7'	BOTTOM FLANGE	1
115A	G-1	@ BENT 115	0.5' X 0.5'	BOTTOM FLANGE	1
115A	G-2	@ REST PIER 2	1.3' X .7'	BOTTOM FLANGE	2
115A	G-2	@ REST PIER 2	1.7' X 0.7'	BOTTOM FLANGE	3
115A	G-2	@ REST PIER 1	1' X 0.8'	BOTTOM FLANGE	1
115A	G-2	@ BENT 114	0.7' X 0.7'	WEB	1
115A	G-3	@ REST PIER 2	2.4' X 1.3'	BOTTOM FLANGE	2
115A	G-3	2' FROM BENT 114	0.3' X 0.3'	WEB	3
115A	G-4	@ REST PIER 1	0.3' X 0.3'	WEB	3
115A	G-4	16' FROM BENT 115	4' X 0.3'	BOTTOM FLANGE	3
115A	G-4	8' FROM BENT 115	3' X 0.3'	BOTTOM FLANGE	3
115B	END DIA.	@ REST PIER 2	1' X 4'	DIAPHRAGM	2
115B	G-2	@ REST PIER 1	0.8' X 0.8'	BOTTOM FLANGE	2
115B	G-2	@ REST PIER 1	1.4' X 0.8'	BOTTOM FLANGE	3
115B	G-3	@ REST PIER 1	1.4' X 0.8'	BOTTOM FLANGE	3
116	DECK	12' FROM BENT 115	2' X 0.7'	BOTTOM OF DECK	RT EXT

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	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

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MIN. OF 1" BEHIND REBAR AND MIN. 2" CL TO SAWCUT. SEE REPAIR DETAILS.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

SPAN	SHOTCRETE	QUANTITIES				
		ESTIMATE		ACTUAL		
		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
SPAN 113	GIRDERS	2.26	0.94			
	DIAPHRAGMS	23.06	9.61			
	DECK	0.00	0.00			
SPAN 114	GIRDERS	2.04	0.85			
	DIAPHRAGMS	16.16	6.73			
	DECK	0.00	0.00			
SPAN 115A	GIRDERS	10.23	4.26			
	DIAPHRAGMS	9.52	3.97			
	DECK	0.00	0.00			
SPAN 115B	GIRDERS	2.88	1.20			
	DIAPHRAGMS	4.00	1.67			
	DECK	0.00	0.00			
SPAN 116	GIRDERS	0.00	0.00			
	DIAPHRAGMS	1.40	0.58			
	DECK	1.40	0.58			
SPAN 117	GIRDERS	2.10	0.88			
	DIAPHRAGMS	3.75	1.56			
	DECK	2.00	0.83			
SPAN 118	GIRDERS	1.24	0.52			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 119	GIRDERS	1.48	0.62			
	DIAPHRAGMS	3.00	1.25			
	DECK	0.00	0.00			
SPAN 120	GIRDERS	3.94	1.64			
	DIAPHRAGMS	3.80	1.58			
	DECK	0.00	0.00			
SPAN 121	GIRDERS	3.28	1.37			
	DIAPHRAGMS	0.80	0.33			
	DECK	0.00	0.00			
SPAN 122	GIRDERS	1.00	0.42			
	DIAPHRAGMS	4.95	2.06			
	DECK	0.00	0.00			
SPAN 123	GIRDERS	0.75	0.31			
	DIAPHRAGMS	5.20	2.17			
	DECK	0.00	0.00			
SPAN 124	GIRDERS	1.23	0.51			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 125	GIRDERS	0.98	0.41			
	DIAPHRAGMS	1.00	0.42			
	DECK	0.00	0.00			

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

SHEET 10 OF 22

DocuSigned by:
Timothy M. Shearill
 AD50B1D977494CC...
 8/10/2016



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GIRDER, DIAPHRAGM & UNDERDECK REPAIRS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-25
2			4			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