

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
85	G-1	@ BENT 84	0.5' X 0.8'	BOTTOM FLANGE	1
85	G-2	@ BENT 84	2.7' X 0.6'	BOTTOM FLANGE	1
85	G-2	@ BENT 85	0.8' X 1.1'	BOTTOM FLANGE	2
85	G-1	@ BENT 85	0.4' X 0.7'	BOTTOM FLANGE	1
85	G-4	6' FROM BENT 85	2.5' X 0.5'	BOTTOM FLANGE	3
86	G-2	@ BENT 85	0.6' X 0.8'	BOTTOM FLANGE	2
86	G-1	@ BENT 86	1.3' X 1.1'	BOTTOM FLANGE & WEB	1
87	G-2	@ BENT 87	0.7' X 0.5'	BOTTOM FLANGE	1
87	G-3	@ BENT 86	0.5' X 0.5'	BOTTOM FLANGE	3
87	G-2	@ BENT 86	0.7' X 0.6'	BOTTOM FLANGE	3
87	G-3	@ BENT 87	1.2' X 1.4'	WEB	3
87	G-3	@ BENT 87	0.7' X 0.4'	BOTTOM FLANGE	2
87	G-3	@ BENT 87	0.7' X 0.3'	BOTTOM FLANGE	2
88	G-1	@ BENT 88	2.7' X 0.9'	BOTTOM FLANGE	2
88	G-1	@ BENT 87	0.7' X 0.7'	BOTTOM FLANGE	1
88	END DIA.	@ BENT 88	6.4' X 0.8'	DIAPHRAGM	2
89	G-1	@ BENT 88	1' X 0.7'	BOTTOM FLANGE	1
89	G-2	@ BENT 88	1.3' X 0.4'	BOTTOM FLANGE	1
89	G-3	@ BENT 88	2.1' X 0.7'	BOTTOM FLANGE	1
89	G-2	@ BENT 89	0.6' X 0.8'	BOTTOM FLANGE	2
89	G-3	@ BENT 88	0.8' X 0.6'	BOTTOM FLANGE	2
89	G-4	@ BENT 89	0.6' X 0.5'	BOTTOM FLANGE	3
89	G-2	@ BENT 89	0.5' X 0.8'	BOTTOM FLANGE	3
90	END DIA.	@ BENT 89	3.2' X 0.5'	DIAPHRAGM	2
90	G-2	@ BENT 89	0.5' X 0.6'	BOTTOM FLANGE	1
90	G-1	@ BENT 89	0.7' X 1.1'	BOTTOM FLANGE	1
90	G-2	@ BENT 89	0.8' X 0.8'	BOTTOM FLANGE	2
90	G-2	@ BENT 90	0.8' X 0.8'	BOTTOM FLANGE	1
91	END DIA.	@ BENT 91	6.4' X 0.4'	DIAPHRAGM	3
91	END DIA.	@ BENT 91	4.3' X 0.4'	DIAPHRAGM	2
91	G-4	12' FROM BENT 90	2.7' X 0.3'	BOTTOM FLANGE	3
92	G-1	@ BENT 92	0.4' X 0.4'	BOTTOM FLANGE	LT EXT
92	G-1	@ BENT 92	0.7' X 0.6'	BOTTOM FLANGE	1
92	G-2	@ BENT 91	2.8' X 0.5'	BOTTOM FLANGE	1
92	G-1	@ BENT 92	2' X 0.6'	BOTTOM FLANGE	LT EXT
92	G-2	@ BENT 92	0.8' X 0.7'	BOTTOM FLANGE	2
92	G-3	@ BENT 92	0.9' X 0.8'	BOTTOM FLANGE	1
93	G-1	@ BENT 92	0.8' X 0.6'	BOTTOM FLANGE	1
93	G-1	@ BENT 93	0.5' X 0.5'	BOTTOM FLANGE	1
93	G-2	@ BENT 93	0.3' X 0.2'	WEB	2
93	G-2	@ BENT 93	0.5' X 1.3'	WEB	2
94	END DIA.	@ BENT 94	2.2' X 0.7'	DIAPHRAGM	2
94	G-3	@ BENT 93	1.1' X 0.8'	BOTTOM FLANGE	2
94	G-3	@ BENT 93	0.5' X 0.5'	BOTTOM FLANGE	2
94	G-3	@ BENT 94	1' X 0.8'	BOTTOM FLANGE	3
95	G-2	@ BENT 95	0.6' X 0.7'	BOTTOM FLANGE	1
95	G-1	@ BENT 95	0.8' X 0.7'	BOTTOM FLANGE	1
95	G-4	@ BENT 95	0.7' X 0.6'	BOTTOM FLANGE	3
96	G-1	@ BENT 95	0.7' X 0.7'	BOTTOM FLANGE	1
96	G-2	@ BENT 96	0.8' X 0.5'	BOTTOM FLANGE	1

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
96	G-3	@ BENT 96	0.9' X 0.7'	BOTTOM FLANGE	2
96	G-2	@ BENT 96	0.7' X 0.8'	BOTTOM FLANGE	2
97	G-3	30' FROM BENT 96	1.7' X 0.4'	BOTTOM FLANGE	2
97	G-2	@ BENT 96	0.8' X 0.6'	BOTTOM FLANGE	2
97	G-2	@ BENT 97	1.3' X 1.2'	BOTTOM FLANGE	1
97	G-3	@ BENT 97	0.6' X 0.7'	BOTTOM FLANGE	2
97	G-3	33' FROM BENT 96	2.3' X 0.5'	BOTTOM FLANGE	2
97	G-3	@ BENT 97	0.8' X 0.8'	BOTTOM FLANGE	3
98	G-3	@ BENT 97	0.6' X 0.6'	BOTTOM FLANGE	3
98	G-2	@ BENT 98	1.1' X 0.8'	BOTTOM FLANGE	1
98	G-2	@ BENT 97	0.6' X 1.5'	BOTTOM FLANGE	2
98	G-4	@ BENT 97	0.4' X 0.8'	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.

REPAIR QUANTITY TABLE

	SHOTCRETE	QUANTITIES				
		ESTIMATE		ACTUAL		
		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
SPAN 85	GIRDERS	4.36	1.82			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 86	GIRDERS	1.91	0.80			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 87	GIRDERS	3.26	1.36			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 88	GIRDERS	2.92	1.22			
	DIAPHRAGMS	5.12	2.13			
	DECK	0.00	0.00			
SPAN 89	GIRDERS	4.35	1.81			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 90	GIRDERS	2.35	0.98			
	DIAPHRAGMS	1.60	0.67			
	DECK	0.00	0.00			
SPAN 91	GIRDERS	0.81	0.34			
	DIAPHRAGMS	4.28	1.78			
	DECK	0.00	0.00			
SPAN 92	GIRDERS	4.46	1.86			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 93	GIRDERS	1.59	0.66			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 94	GIRDERS	1.93	0.80			
	DIAPHRAGMS	1.54	0.64			
	DECK	0.00	0.00			
SPAN 95	GIRDERS	1.40	0.58			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 96	GIRDERS	2.08	0.87			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 97	GIRDERS	4.93	2.05			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 98	GIRDERS	2.46	1.03			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			

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

SHEET 8 OF 22

DocuSigned by:
Trinity M. Spill
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-23
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