

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
71	G-2	@ BENT 71	0.7' X 0.7'	BOTTOM FLANGE	2
71	G-2	@ BENT 71	0.7' X 0.7'	BOTTOM FLANGE	1
72	G-1	@ BENT 72	0.6' X 0.8'	BOTTOM FLANGE	1
72	G-1	@ BENT 72	1' X 0.8'	BOTTOM FLANGE	1
72	G-2	@ BENT 72	0.5' X 0.6'	BOTTOM FLANGE	RT EXT
72	G-2	@ BENT 72	0.8' X 0.8'	BOTTOM FLANGE	2
72	G-2	@ BENT 72	1' X 0.8'	BOTTOM FLANGE	3
72	G-4	@ BENT 72	0.5' X 1.5'	BOTTOM FLANGE & WEB	LT EXT
73	G-1	@ BENT 72	2.5' X 0.6'	BOTTOM FLANGE	1
73	G-2	@ BENT 72	0.5' X 0.8'	BOTTOM FLANGE	2
73	G-2	@ BENT 72	1' X 0.8'	BOTTOM FLANGE	1
73	G-2	@ BENT 72	0.8' X 0.8'	BOTTOM FLANGE	RT EXT
73	G-2	@ BENT 73	2' X 0.6'	BOTTOM FLANGE	2
73	G-2	@ BENT 73	0.7' X 0.7'	BOTTOM FLANGE	2
73	G-3	@ BENT 73	0.3' X 1'	BOTTOM FLANGE	3
74	G-1	@ BENT 74	0.7' X 0.6'	BOTTOM FLANGE	1
74	G-2	@ BENT 73	0.5' X 1.5'	BOTTOM FLANGE	2
74	G-2	@ BENT 73	0.5' X 0.6'	BOTTOM FLANGE	1
74	G-2	@ BENT 73	0.5' X 0.6'	BOTTOM FLANGE	1
74	G-2	@ BENT 74	0.5' X 0.8'	BOTTOM FLANGE	2
74	G-2	@ BENT 74	1' X 0.8'	BOTTOM FLANGE	2
75	G-1	@ BENT 75	0.7' X 0.7'	BOTTOM FLANGE	1
75	G-1	@ BENT 75	0.5' X 0.8'	BOTTOM FLANGE	1
75	G-1	5' FROM INTER. DIA.	0.5' X 0.5'	BOTTOM FLANGE	1
75	G-2	@ BENT 74	1' X 0.8'	BOTTOM FLANGE	2
75	G-2	@ BENT 74	0.8' X 1.5'	BOTTOM FLANGE	1
75	G-2	@ BENT 74	1.5' X 1.5'	BOTTOM FLANGE	1
75	G-2	@ BENT 75	0.5' X 0.7'	BOTTOM FLANGE	3
75	G-3	@ BENT 75	0.5' X 1.5'	BOTTOM FLANGE	RT EXT
76	G-1	7' FROM INTER. DIA.	2.5' X 0.3'	BOTTOM FLANGE	RT EXT
76	G-2	@ BENT 75	1.5' X 0.8'	BOTTOM FLANGE	1
76	G-2	@ BENT 75	1' X 0.8'	BOTTOM FLANGE	RT EXT
76	G-3	@ BENT 75	1.5' X 0.8'	BOTTOM FLANGE	2
76	G-4	@ BENT 76	0.8' X 0.8'	BOTTOM FLANGE	3
76	G-4	@ BENT 76	1' X 0.8'	BOTTOM FLANGE	3
77	DECK	4.5' FROM INTER. DIA.	0.7' X 0.7'	BOTTOM OF DECK	1
77	G-1	@ BENT 76	1.2' X 0.8'	BOTTOM FLANGE	LT EXT
77	G-1	@ BENT 77	0.5' X 0.5'	BOTTOM FLANGE	1
77	G-1	5' FROM INTER. DIA.	0.5' X 0.5'	BOTTOM FLANGE	1
77	G-2	@ BENT 77	0.7' X 0.5'	BOTTOM FLANGE	1
77	G-2	@ BENT 77	0.8' X 0.6'	BOTTOM FLANGE	2
77	G-3	@ BENT 76	1' X 0.6'	BOTTOM FLANGE	RT EXT
77	G-3	@ BENT 76	5.5' X 0.6'	BOTTOM FLANGE	3
78	G-1	@ BENT 78	3.8' X 0.9'	BOTTOM FLANGE	1
78	G-2	@ BENT 78	0.8' X 0.6'	BOTTOM FLANGE	1
78	G-3	@ BENT 78	0.9' X 0.6'	BOTTOM FLANGE	2
79	G-1	@ BENT 78	0.6' X 0.8'	BOTTOM FLANGE	1
79	G-1	@ BENT 78	1.3' X 0.6'	BOTTOM FLANGE	1
79	G-2	@ BENT 78	0.6' X 0.7'	BOTTOM FLANGE	2
79	G-2	@ BENT 79	1.5' X 0.2'	BOTTOM FLANGE	1

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
79	G-2	@ BENT 79	1.2' X 1'	BOTTOM FLANGE	2
79	G-2	@ BENT 79	0.7' X 0.5'	BOTTOM FLANGE	2
79	G-3	33' FROM BENT 78	3.3' X 0.8'	BOTTOM FLANGE	2
79	G-4	@ BENT 78	0.7' X 0.6'	BOTTOM FLANGE	3
80	G-1	@ BENT 80	0.3' X 0.6'	BOTTOM FLANGE	1
80	G-1	@ BENT 80	0.8' X 0.5'	BOTTOM FLANGE	2
80	G-1	@ BENT 80	1.0' X 0.8'	BOTTOM FLANGE	1
80	G-1	@ BENT 80	1.5' X 1.3'	BOTTOM FLANGE	2
80	G-2	31' FROM BENT 79	3.4' X 0.5'	BOTTOM FLANGE	1
80	G-2	25' FROM BENT 79	10.5' X 0.5'	BOTTOM FLANGE	2
80	G-2	@ BENT 80	0.7' X 0.6'	BOTTOM FLANGE	3
80	G-3	26' FROM BENT 79	2.4' X 0.4'	BOTTOM FLANGE	3
81	G-1	@ BENT 80	1.8' X 0.8'	BOTTOM FLANGE	1
81	G-2	@ BENT 80	0.8' X 0.6'	BOTTOM FLANGE	1
81	G-1	@ BENT 81	0.3' X 0.8'	BOTTOM FLANGE	1
81	G-2	@ BENT 81	0.6' X 0.8'	BOTTOM FLANGE	2
81	G-1	@ BENT 80	2.2' X 0.9'	BOTTOM FLANGE	LT EXT
81	G-3	@ BENT 80	1.2' X 0.9'	BOTTOM FLANGE	2
81	G-4	@ BENT 80	0.4' X 0.8'	BOTTOM FLANGE	3
81	G-3	@ BENT 81	0.3' X 0.4'	BOTTOM FLANGE	3
81	G-4	29' FROM BENT 80	4.4' X 0.5'	BOTTOM FLANGE	3
82	G-2	@ BENT 81	1.6' X 1'	BOTTOM FLANGE	1
83	END DIA.	@ BENT 83	1.7' X 0.8'	DIAPHRAGM	3
83	G-3	@ BENT 82	2.1' X 0.9'	BOTTOM FLANGE	1
83	G-1	@ BENT 82	0.3' X 1.3'	BOTTOM FLANGE & WEB	1
83	G-3	@ BENT 83	0.8' X 0.7'	BOTTOM FLANGE	3
83	G-4	@ BENT 83	0.4' X 0.8'	WEB	RT EXT
84	G-1	@ BENT 83	0.3' X 0.8'	BOTTOM FLANGE	1
84	G-2	@ BENT 83	3' X 0.7'	BOTTOM FLANGE	1
84	G-3	@ BENT 83	1.8' X 0.4'	BOTTOM FLANGE	2
84	G-3	@ BENT 83	0.6' X 0.5'	BOTTOM FLANGE	3
84	G-3	1' FROM BENT 83	0.7' X 0.5'	BOTTOM FLANGE	3
84	G-3	@ BENT 84	1.8' X 0.6'	BOTTOM FLANGE	3
84	G-4	@ BENT 84	0.4' X 0.8'	BOTTOM FLANGE	3
84	G-4	8' FROM BENT 84	3.2' X 0.5'	BOTTOM FLANGE	3
84	G-1	@ BENT 84	0.6' X 0.6'	BOTTOM FLANGE	3
84	G-4	@ BENT 84	0.3' X 1.3'	BOTTOM FLANGE	RT EXT

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 71	GIRDERS	0.98	0.41			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 72	GIRDERS	3.77	1.57			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 73	GIRDERS	5.33	2.22			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 74	GIRDERS	2.97	1.24			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 75	GIRDERS	6.49	2.70			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 76	GIRDERS	5.39	2.25			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 77	GIRDERS	6.19	2.58			
	DIAPHRAGMS	0.49	0.20			
	DECK	0.00	0.00			
SPAN 78	GIRDERS	4.44	1.85			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 79	GIRDERS	7.19	3.00			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 80	GIRDERS	11.66	4.86			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 81	GIRDERS	8.87	3.70			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 82	GIRDERS	1.60	0.67			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 83	GIRDERS	3.16	1.32			
	DIAPHRAGMS	1.36	0.57			
	DECK	0.00	0.00			
SPAN 84	GIRDERS	7.46	3.11			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			

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

SHEET 7 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:	S-22
1			3			TOTAL SHEETS
2			4			394

DRAWN BY : M.ALEE DATE : 6/2016
CHECKED BY : T.SHERRILL DATE : 6/2016
DESIGN ENGINEER OF RECORD: T.SHERRILL DATE : 6/2016