

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
99	G-2	@ BENT 98	0.9' X 0.8'	BOTTOM FLANGE	1
99	G-1	@ BENT 98	0.5' X 0.7'	BOTTOM FLANGE	1
100	G-3	@ BENT 100	0.7' X 0.6'	BOTTOM FLANGE	2
100	G-1	@ BENT 100	0.6' X 0.8'	BOTTOM FLANGE	1
100	G-4	@ BENT 100	0.7' X 0.8'	BOTTOM FLANGE	3
101	G-2	@ BENT 101	0.6' X 0.6'	BOTTOM FLANGE	2
101	G-3	@ BENT 101	0.8' X 0.9'	BOTTOM FLANGE	2
101	G-3	@ BENT 100	0.8' X 1'	BOTTOM FLANGE	2
101	G-3	@ BENT 100	0.4' X 0.5'	BOTTOM FLANGE	3
101	G-2	@ BENT 100	0.8' X 0.8'	BOTTOM FLANGE	2
101	G-4	@ BENT 101	0.8' X 0.7'	BOTTOM FLANGE	3
102	G-1	@ BENT 102	0.7' X 0.7'	BOTTOM FLANGE	1
102	G-2	@ BENT 102	0.5' X 0.7'	BOTTOM FLANGE	1
102	G-3	@ BENT 101	0.5' X 1'	BOTTOM FLANGE	2
102	G-3	@ BENT 102	1' X 1.4'	BOTTOM FLANGE	2
103	G-1	@ BENT 103	0.5' X 0.5'	BOTTOM FLANGE	1
103	G-2	@ BENT 102	0.7' X 0.7'	BOTTOM FLANGE	1
103	G-3	@ BENT 102	0.7' X 0.7'	BOTTOM FLANGE	2
103	G-3	12' FROM BENT 102	3' X 0.5'	BOTTOM FLANGE	2
104	G-2	@ BENT 104	0.5' X 0.5'	BOTTOM FLANGE	1
104	G-3	@ BENT 103	0.5' X 0.5'	BOTTOM FLANGE	2
105	G-2	@ BENT 104	0.5' X 0.5'	BOTTOM FLANGE	1
105	G-2	@ BENT 105	0.5' X 0.5'	BOTTOM FLANGE	1
105	G-4	@ BENT 105	0.5' X 0.5'	BOTTOM FLANGE	3
106	G-2	@ BENT 105	2' X 0.5'	BOTTOM FLANGE	1
106	G-2	@ BENT 106	0.5' X 0.5'	BOTTOM FLANGE	1
106	G-3	@ BENT 106	0.5' X 0.5'	BOTTOM FLANGE	2
107	END DIA.	@ BENT 106	1' X 0.5'	DIAPHRAGM	3
107	END DIA.	@ BENT 107	3' X 0.7'	DIAPHRAGM	2
107	G-1	@ BENT 106	0.5' X 0.5'	BOTTOM FLANGE	1
107	G-2	@ BENT 107	1.2' X 1.2'	BOTTOM FLANGE & WEB	1
107	G-2	@ BENT 107	0.5' X 0.5'	BOTTOM FLANGE	2
107	G-3	@ BENT 107	0.7' X 1'	BOTTOM FLANGE	2
107	G-4	30' FROM BENT 106	0.5' X 0.5'	BOTTOM FLANGE	3
107	G-4	@ BENT 107	0.7' X 1'	BOTTOM FLANGE	3
108	G-2	@ BENT 107	0.5' X 0.5'	BOTTOM FLANGE	2
108	G-2	@ BENT 108	0.5' X 0.5'	BOTTOM FLANGE	2
109	G-1	@ BENT 108	0.5' X 0.5'	BOTTOM FLANGE	1
109	G-2	@ BENT 109	0.6' X 0.2'	BOTTOM FLANGE	1
109	G-2	@ BENT 109	0.5' X 0.3'	BOTTOM FLANGE	3
109	G-2	2' FROM BENT 108	0.4' X 0.5'	BOTTOM FLANGE	2
109	G-2	@ BENT 108	0.3' X 0.6'	BOTTOM FLANGE	2
109	G-3	@ BENT 109	0.8' X 0.7'	BOTTOM FLANGE	RT EXT
109	G-3	@ BENT 108	0.4' X 1.3'	BOTTOM FLANGE	3
109	G-3	@ BENT 108	0.7' X 0.8'	BOTTOM FLANGE	3
109	G-4	@ BENT 108	0.3' X 0.8'	BOTTOM FLANGE	LT EXT
110	END DIA.	@ BENT 109	1.7' X 0.8'	DIAPHRAGM	2
110	END DIA.	@ BENT 109	2.3' X 0.6'	DIAPHRAGM	2
110	G-1	@ BENT 109	0.3' X 0.7'	WEB	1
110	G-1	@ BENT 109	1' X 0.8'	BOTTOM FLANGE	1

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
110	G-1	@ BENT 109	0.4' X 0.4'	BOTTOM FLANGE	1
110	G-2	@ BENT 110	0.6' X 0.5'	BOTTOM FLANGE	1
110	G-2	@ BENT 110	0.6' X 0.7'	BOTTOM FLANGE	RT EXT
110	G-3	@ BENT 109	1' X 1.3'	BOTTOM FLANGE & WEB	2
110	G-3	@ BENT 109	2.1' X 0.8'	BOTTOM FLANGE	3
110	G-4	@ BENT 109	0.5' X 1.3'	BOTTOM FLANGE & WEB	LT EXT
111	END DIA.	@ BENT 110	2.5' X 0.5'	DIAPHRAGM	2
111	END DIA.	@ BENT 110	3' X 1'	DIAPHRAGM	3
111	END DIA.	@ BENT 110	0.8' X 1.3'	DIAPHRAGM	RT EXT
111	G-1	@ BENT 110	0.6' X 0.7	BOTTOM FLANGE	1
111	G-3	@ BENT 110	0.5' X 1.4'	BOTTOM FLANGE & WEB	2
111	G-3	@ BENT 110	0.6' X 1.5'	BOTTOM FLANGE	2
111	G-3	@ BENT 110	0.6' X 1.4'	BOTTOM FLANGE & WEB	3
111	G-4	@ BENT 110	0.9' X 0.8'	BOTTOM FLANGE & WEB	LT EXT
111	G-4	@ BENT 110	0.4' X 1.4'	BOTTOM FLANGE & WEB	3
111	G-4	@ BENT 110	0.4' X 0.3'	BOTTOM FLANGE	RT EXT
112	DECK	2' FROM BENT 112	0.5' X 0.7'	BOTTOM OF DECK	3
112	END DIA.	@ BENT 111	2' X 0.6'	DIAPHRAGM	1
112	END DIA.	@ BENT 111	3' X 1'	DIAPHRAGM	2
112	END DIA.	@ BENT 111	1.5' X 0.8'	DIAPHRAGM	3
112	END DIA.	@ BENT 111	1.3' X 1.5'	DIAPHRAGM	RT EXT
112	END DIA.	@ BENT 112	1.7' X 0.5'	DIAPHRAGM	1
112	END DIA.	@ BENT 112	0.8' X 0.3'	DIAPHRAGM	3
112	END DIA.	@ BENT 112	1.4' X 1.3'	DIAPHRAGM	RT EXT
112	END DIA.	@ BENT 111	1.5' X 1.3'	DIAPHRAGM	LT EXT
112	G-1	@ BENT 111	0.3' X 0.8'	BOTTOM FLANGE	LT EXT
112	G-1	@ BENT 111	0.8' X 0.7'	BOTTOM FLANGE	1
112	G-2	@ BENT 111	1.2' X 0.8'	BOTTOM FLANGE	1
112	G-2	@ BENT 111	0.8' X 1.5'	BOTTOM FLANGE	2
112	G-2	@ BENT 111	0.6' X 0.6'	BOTTOM FLANGE	2
112	G-2	@ BENT 111	0.6' X 1.4'	BOTTOM FLANGE	2
112	G-2	2' FROM BENT 111	0.6' X 0.6'	WEB	3
112	G-3	@ BENT 111	0.4' X 1.4'	BOTTOM FLANGE & WEB	3
112	G-3	@ BENT 112	0.4' X 0.8'	BOTTOM FLANGE	2
112	G-3	@ BENT 112	0.8' X 0.6'	BOTTOM FLANGE	3
112	G-4	@ BENT 111	0.5' X 0.7'	BOTTOM FLANGE	3
112	G-4	@ BENT 112	0.4' X 0.7'	BOTTOM FLANGE	LT EXT
112	G-4	@ BENT 112	0.7' X 0.6'	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 99	GIRDERS	1.07	0.45			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 100	GIRDERS	1.46	0.61			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 101	GIRDERS	3.28	1.37			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 102	GIRDERS	2.74	1.14			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 103	GIRDERS	2.73	1.14			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 104	GIRDERS	0.50	0.21			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 105	GIRDERS	0.75	0.31			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 106	GIRDERS	1.50	0.63			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 107	GIRDERS	3.59	1.50			
	DIAPHRAGMS	2.60	1.08			
	DECK	0.00	0.00			
SPAN 108	GIRDERS	0.50	0.21			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 109	GIRDERS	2.78	1.16			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 110	GIRDERS	5.52	2.30			
	DIAPHRAGMS	2.74	1.14			
	DECK	0.00	0.00			
SPAN 111	GIRDERS	4.26	1.78			
	DIAPHRAGMS	5.29	2.20			
	DECK	0.00	0.00			
SPAN 112	GIRDERS	6.93	2.89			
	DIAPHRAGMS	12.21	5.09			
	DECK	0.35	0.15			

PROJECT NO. B-5936

TYRRELL COUNTY

BRIDGE NO. 7

SHEET 9 OF 22

DocuSigned by:
Timothy M. Sheppard
AD50B1D977494CC...

8/10/2016



STATE OF NORTH CAROLINA					
DEPARTMENT OF TRANSPORTATION					
RALEIGH					
GIRDER, DIAPHRAGM & UNDERDECK REPAIRS					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
SHEET NO.					S-24
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