

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
57	G-1	4' FROM BENT 56	0.5' X 0.5'	BOTTOM FLANGE	1
57	G-1	@ BENT 57	0.7' X 0.7'	BOTTOM FLANGE	1
57	G-1	@ BENT 57	0.7' X 0.8'	BOTTOM FLANGE	LT EXT
57	G-2	@ BENT 56	2.3' X 0.5'	BOTTOM FLANGE	2
57	G-2	@ BENT 56	0.7' X 0.7'	BOTTOM FLANGE	1
57	G-3	@ BENT 56	0.2' X 0.8'	BOTTOM FLANGE	2
57	G-3	@ BENT 57	2.5' X 0.7'	BOTTOM FLANGE	3
57	G-4	@ BENT 56	0.2' X 0.8'	BOTTOM FLANGE	3
58	G-1	15' FROM INTER. DIA.	4' X 0.6'	BOTTOM FLANGE	RT EXT
58	G-1	@ BENT 58	2' X 0.6'	BOTTOM FLANGE	1
58	G-2	15' FROM BENT 57	0.5' X 0.5'	BOTTOM FLANGE & WEB	1
58	G-3	@ BENT 57	3' X 0.8'	BOTTOM FLANGE	2
58	G-4	@ BENT 57	3' X 0.5'	BOTTOM FLANGE	3
58	G-4	@ BENT 58	1' X 0.8'	BOTTOM FLANGE	3
59	G-1	@ BENT 59	0.7' X 0.7'	BOTTOM FLANGE	1
59	G-2	3' FROM INTER. DIA.	0.3' X 0.3'	BOTTOM FLANGE	2
59	G-2	@ BENT 59	1.5' X 1'	BOTTOM FLANGE	1
59	G-3	@ BENT 59	0.5' X 0.5'	BOTTOM FLANGE	2
59	G-3	@ BENT 59	0.7' X 0.7'	BOTTOM FLANGE	3
59	G-4	2.5' FROM INTER. DIA.	1' X 1'	BOTTOM FLANGE	3
59	G-4	@ BENT 58	0.5' X 0.8'	BOTTOM FLANGE	3
59	G-4	@ BENT 59	2' X 0.8'	BOTTOM FLANGE	3
60	END DIA.	@ BENT 59	4' X 1'	DIAPHRAGM	2
60	G-1	@ BENT 60	0.7' X 0.7'	BOTTOM FLANGE	1
60	G-2	@ BENT 59	0.5' X 1.5'	BOTTOM FLANGE & WEB	1
60	G-2	@ BENT 59	5' X 0.6'	BOTTOM FLANGE	1
60	G-2	@ BENT 60	1' X 0.8'	BOTTOM FLANGE	2
60	G-2	@ BENT 60	3.5' X 0.6'	BOTTOM FLANGE	1
60	G-3	@ BENT 59	1.3' X 0.5'	BOTTOM FLANGE	2
60	G-3	@ BENT 60	0.6' X 0.6'	BOTTOM FLANGE	3
60	G-3	@ BENT 60	1' X 1'	BOTTOM FLANGE	2
60	G-4	@ BENT 59	3.5' X 0.6'	BOTTOM FLANGE	3
60	G-4	@ BENT 60	8' X 1.3'	BOTTOM FLANGE	RT EXT
60	G-4	@ BENT 60	3' X 1'	BOTTOM FLANGE	3
60	G-4	5' FROM INTER. DIA.	2' X 0.5'	BOTTOM FLANGE	3
61	G-1	@ BENT 60	1' X 0.8'	BOTTOM FLANGE	1
61	G-2	@ BENT 60	0.5' X 1.5'	BOTTOM FLANGE	1
61	G-2	@ BENT 60	1' X 0.3'	BOTTOM FLANGE	1
61	G-3	2.5' FROM INTER. DIA.	0.5' X 1.2'	WEB	3
61	G-3	@ BENT 60	1' X 0.8'	BOTTOM FLANGE	3
61	G-3	@ BENT 61	0.5' X 0.6'	BOTTOM FLANGE	2
61	G-4	15' FROM INTER. DIA.	3.5' X 0.6'	BOTTOM FLANGE	3
61	G-4	@ BENT 60	1.3' X 0.8'	BOTTOM FLANGE	3
62	G-1	@ BENT 61	0.3' X 0.7'	BOTTOM FLANGE	LT EXT
62	G-1	@ BENT 62	1.3' X 0.6'	BOTTOM FLANGE	1
62	G-1	@ BENT 62	1.5' X 0.8'	BOTTOM FLANGE	LT EXT
62	G-2	@ BENT 61	0.7' X 0.7'	BOTTOM FLANGE	1
62	G-2	@ BENT 62	1' X 0.8'	BOTTOM FLANGE	2
62	G-3	@ BENT 62	0.8' X 0.7'	BOTTOM FLANGE	2
62	G-4	@ BENT 61	3' X 0.6'	BOTTOM FLANGE	3

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
62	G-4	@ BENT 62	1.5' X 1'	BOTTOM FLANGE	3
63	G-3	5' FROM INTER. DIA.	0.5' X 0.5'	BOTTOM FLANGE & WEB	2
64	G-1	@ BENT 63	0.6' X 0.6'	BOTTOM FLANGE	RT EXT
64	G-2	@ BENT 64	0.6' X 0.7'	BOTTOM FLANGE	2
64	G-4	@ BENT 63	0.5' X 0.7'	WEB	LT EXT
65	G-1	@ BENT 65	0.7' X 0.6'	BOTTOM FLANGE	1
65	G-2	@ BENT 65	1' X 0.8'	BOTTOM FLANGE	1
65	G-2	@ BENT 65	0.7' X 0.6'	BOTTOM FLANGE	2
65	G-3	@ BENT 64	0.5' X 0.3'	BOTTOM FLANGE	2
65	G-4	@ BENT 64	0.5' X 0.3'	BOTTOM FLANGE	3
66	G-1	@ BENT 66	0.8' X 0.5'	BOTTOM FLANGE	1
66	G-1	5' FROM INTER. DIA.	3.5' X 0.7'	BOTTOM FLANGE	RT EXT
66	G-1	@ BENT 66	0.7' X 2'	BOTTOM FLANGE	RT EXT
66	G-3	@ BENT 65	2.7' X 0.8'	BOTTOM FLANGE	2
66	G-4	@ BENT 65	2' X 0.6'	BOTTOM FLANGE	3
67	G-2	5' FROM INTER. DIA.	3.5' X 0.6'	BOTTOM FLANGE	1
67	G-3	@ BENT 66	2' X 0.6'	BOTTOM FLANGE	3
67	G-3	@ BENT 67	0.5' X 0.8'	BOTTOM FLANGE	3
67	G-4	@ BENT 66	0.5' X 0.6'	BOTTOM FLANGE	3
67	G-4	@ BENT 67	0.8' X 0.8'	BOTTOM FLANGE	3
68	G-1	@ BENT 67	1' X 1'	BOTTOM FLANGE	RT EXT
68	G-1	@ BENT 68	0.7' X 0.7'	BOTTOM FLANGE	RT EXT
68	G-1	@ BENT 68	1.5' X 0.8'	BOTTOM FLANGE	1
68	G-2	@ BENT 68	1' X 0.8'	BOTTOM FLANGE	1
68	G-2	@ BENT 68	0.8' X 0.8'	BOTTOM FLANGE	2
68	G-4	@ BENT 67	0.3' X 0.6'	BOTTOM FLANGE	3
69	END DIA.	@ BENT 69	3' X 0.6'	DIAPHRAGM	3
69	G-1	@ BENT 69	0.7' X 0.6'	BOTTOM FLANGE	1
69	G-1	@ BENT 69	0.7' X 0.7'	BOTTOM FLANGE	RT EXT
69	G-3	@ BENT 69	1.3' X 0.8'	BOTTOM FLANGE	3
70	G-1	@ BENT 69	0.4' X 0.7'	BOTTOM FLANGE	1
70	G-1	@ BENT 70	1' X 1.5'	BOTTOM FLANGE & WEB	RT EXT
70	G-1	@ BENT 70	0.8' X 1.5'	BOTTOM FLANGE & WEB	1
70	G-1	@ BENT 70	0.3' X 0.6'	BOTTOM FLANGE	1

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 57	GIRDERS	5.01	2.09			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 58	GIRDERS	8.55	3.56			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 59	GIRDERS	5.82	2.43			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 60	GIRDERS	25.65	10.69			
	DIAPHRAGMS	4.00	1.67			
	DECK	0.00	0.00			
SPAN 61	GIRDERS	6.69	2.79			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 62	GIRDERS	7.34	3.06			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 63	GIRDERS	0.25	0.10			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 64	GIRDERS	1.13	0.47			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 65	GIRDERS	1.94	0.81			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 66	GIRDERS	27.05	11.27			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 67	GIRDERS	4.64	1.93			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 68	GIRDERS	4.31	1.80			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			
SPAN 69	GIRDERS	1.95	0.81			
	DIAPHRAGMS	1.80	0.75			
	DECK	0.00	0.00			
SPAN 70	GIRDERS	3.16	1.32			
	DIAPHRAGMS	0.00	0.00			
	DECK	0.00	0.00			

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

SHEET 6 OF 22

DocuSigned by:  
*Timothy M. Sheppard*  
AD50B1D977494CC...

8/10/2016



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
GIRDER, DIAPHRAGM  
& UNDERDECK REPAIRS

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

24-JUN-2016 09:03  
R:\Structures\Tyrrell 7 Girders, Dia, Deck Table.dgn  
malee7

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-21
2			4			TOTAL SHEETS 394