

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
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
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

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES						
SPAN	MEMBER	LENGTH FROM BENT (FT)	APPROX. REPAIR SIZE	ACTUAL REPAIR SIZE	LOCATION	BAY
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-2	@ BENT 70	0.3' X 0.6'		* BOTTOM FLANGE	1
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-1	@ 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-4	@ 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-2	2' FROM 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-1	@ BENT 72	0.8' X 0.8'		* BOTTOM FLANGE	RT EXT
73	G-3	9.5' FROM BENT 73	2' X 0.6'		* BOTTOM FLANGE	2
73	G-2	@ BENT 73	0.7' X 0.7'		* BOTTOM FLANGE	2
73	G-4	@ BENT 73	0.3' X 1'		* BOTTOM FLANGE	3

REPAIR QUANTITY TABLE						
SPAN	REPAIR TYPE	QUANTITIES				
		ESTIMATE		ACTUAL		
		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
59-73	SHOTCRETE					
	GIRDERS	0.95	0.28			
	DIAPHRAGMS	5.80	2.90			
	DECK	0.00	0.00			
EPOXY MORTAR		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
	GIRDERS	79.62	23.22			

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

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

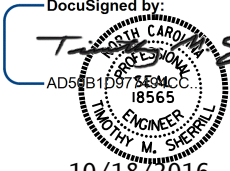
FOR EPOXY MORTAR REPAIRS, SEE SPECIAL PROVISIONS.

CONTRACTOR MAY ELECT TO USE EPOXY MORTAR IN LIEU OF SHOTCRETE.

* ALL REPAIRS IN GIRDER FLANGE OR INCLUDING GIRDER FLANGE IN REPAIR SHALL BE EPOXY MORTAR.

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

SHEET 7 OF 22

DocuSigned by:

10/18/2016

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
GIRDER, DIAPHRAGM & UNDERDECK REPAIRS					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					S-22
					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