

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
1	DECK	20' FROM END BENT 1	5' X 20'	BOTTOM OF DECK	1
1	DECK	27' FROM END BENT 1	2.7' X 2.7'	BOTTOM OF DECK	2
1	DECK	32.5' FROM END BENT 1	3' X 2.8'	BOTTOM OF DECK	2
1	DECK	11' FROM END BENT 1	1.2' X 0.6'	BOTTOM OF DECK	2
1	DECK	9' FROM END BENT 1	1' X 0.5'	BOTTOM OF DECK	2
1	DECK	8' FROM END BENT 1	8' X 4'	BOTTOM OF DECK	2
1	DECK	11' FROM BENT 1	2' X 0.6'	BOTTOM OF DECK	3
1	DECK	15' FROM BENT 1	1' X 1.5'	BOTTOM OF DECK	3
1	END DIA.	@ BENT 1	5.5' X 0.7'	DIAPHRAGM	3
1	END DIA.	@ BENT 1	2.2' X 0.3'	DIAPHRAGM	2
1	END DIA.	@ BENT 1	5' X 1'	DIAPHRAGM	1
1	G-1	@ BENT 1	1' X 0.8'	BOTTOM FLANGE & WEB	1
1	G-1	2' FROM BENT 1	1.7' X 1.7'	WEB	1
1	G-1	5' FROM BENT 1	2' X 1.2'	WEB	1
1	G-1	@ BENT 1	0.6' X 0.5'	BOTTOM FLANGE & WEB	LT EXT
1	G-1	8' FROM BENT 1	2' X 1.3'	WEB	1
1	G-1	5' FROM END BENT 1	1.8' X 1.3'	WEB	LT EXT
1	G-1	13' FROM BENT 1	1.3' X 1.6'	WEB	1
1	G-1	17' FROM BENT 1	1.5' X 0.5'	WEB	1
1	G-1	1' FROM INTER. DIA.	1.3' X 1.3'	WEB	1
1	G-1	3.5' FROM INTER. DIA.	1.3' X 0.7'	WEB	1
1	G-1	3.5' FROM INTER. DIA.	0.8' X 0.8'	WEB	1
1	G-1	9' FROM INTER. DIA.	1.4' X 0.9'	WEB	1
1	G-1	@ END BENT 1	7' X 0.8'	BOTTOM FLANGE	1
1	G-1	9' FROM INTER. DIA.	3' X 1.2'	WEB	1
1	G-2	@ BENT 1	0.6' X 0.5'	BOTTOM FLANGE	2
1	G-2	@ BENT 1	2.5' X 0.8'	BOTTOM FLANGE	1
1	G-2	2' FROM BENT 1	6.5' X 1.2'	WEB	1
1	G-2	17' FROM BENT 1	1' X 0.6'	WEB	1
1	G-2	@ END BENT 1	2.5' X 0.8'	BOTTOM FLANGE	1
1	G-2	10' FROM END BENT 1	2.7' X 1.2'	WEB	1
1	G-2	@ BENT 1	1.8' X 1.2'	WEB	2
1	G-2	7' FROM INTER. DIA.	1.5' X 1.2'	WEB	2
1	G-2	11' FROM INTER. DIA.	1.2' X 0.7'	WEB	2
1	G-2	11' FROM END BENT 1	0.7' X 0.4'	WEB	2
1	G-2	2' FROM END BENT 1	0.9' X 0.7'	WEB	2
1	G-3	@ BENT 1	0.8' X 1.3'	BOTTOM FLANGE & WEB	3
1	G-3	@ BENT 1	0.8' X 0.8'	WEB	2
1	G-3	2' FROM BENT 1	7.5' X 1.5'	WEB	3
1	G-3	2' FROM BENT 1	0.8' X 1.2'	WEB	2
1	G-3	2' FROM INTER. DIA.	1.2' X 1.2'	WEB	2
1	G-3	7' FROM INTER. DIA.	1.2' X 0.9'	WEB	2
1	G-3	10' FROM INTER. DIA.	1' X 1'	WEB	3
1	G-3	2' FROM INTER. DIA.	0.3' X 0.8'	BOTTOM FLANGE	3
1	G-3	6' FROM INTER. DIA.	1.5' X 1'	WEB	3
1	G-3	8' FROM INTER. DIA.	1.5' X 1.2'	WEB	3
1	G-3	13' FROM END BENT 1	0.4' X 0.6'	BOTTOM FLANGE	3
1	G-3	6.5' FROM END BENT 1	6.5' X 0.5'	BOTTOM FLANGE	3
1	G-3	9' FROM END BENT 1	1' X 1.2'	WEB	2
1	G-4	@ BENT 1	0.8' X 0.7'	BOTTOM FLANGE	RT EXT

GIRDER, DIAPHRAGM, & DECK REPAIR TABLES					
SPAN	MEMBER	LENGTH FROM BENT (FT)	REPAIR SIZE	LOCATION	BAY
1	G-4	@ BENT 1	0.4' X 0.7'	BOTTOM FLANGE	3
1	G-4	2' FROM BENT 1	3' X 0.8'	WEB	2
1	G-4	8' FROM BENT 1	1.2' X 0.9'	WEB	3
1	G-4	@ BENT 1	1.5' X 1.2'	WEB	3
1	G-4	@ BENT 1	2' X 0.7'	WEB	RT EXT
1	G-4	@ END BENT 1	1' X 0.6'	WEB	RT EXT
1	G-4	10' FROM END BENT 1	2.5' X 1'	WEB	RT EXT
1	G-4	@ END BENT 1	10' X 1'	BOTTOM FLANGE	RT EXT
1	G-4	3.5' FROM INTER. DIA.	0.4' X 1.2'	WEB	3
1	G-4	11' FROM END BENT 1	0.9' X 0.6'	BOTTOM FLANGE	3
1	G-4	23' FROM BENT 1	0.6' X 0.8'	BOTTOM FLANGE	3
1	G-4	3' FROM END BENT 1	1.3' X 1.2'	WEB	3
1	G-4	8' FROM END BENT 1	1.2' X 1'	WEB	RT EXT
1	G-4	9' FROM END BENT 1	1.8' X 1.2'	WEB	3
2	END DIA.	@ BENT 1	2.2' X 0.6'	DIAPHRAGM	3
2	G-1	@ BENT 2	2.2' X 1'	BOTTOM FLANGE	2
2	G-1	@ BENT 2	1.5' X 1.2'	WEB	1
2	G-1	@ BENT 2	0.9' X 1'	BOTTOM FLANGE	1
2	G-1	@ BENT 2	0.4' X 1.3'	BOTTOM FLANGE & WEB	1
2	G-1	@ BENT 1	3.7' X 1.3'	BOTTOM FLANGE	LT EXT
2	G-1	10' FROM BENT 2	3' X 0.4'	BOTTOM FLANGE	1
2	G-1	2' FROM BENT 1	0.3' X 1.2'	WEB	1
2	G-1	2' FROM BENT 2	0.6' X 1.2'	WEB	1
2	G-2	@ BENT 2	0.9' X 1.3'	BOTTOM FLANGE & WEB	2
2	G-2	@ BENT 2	1' X 1.8'	BOTTOM FLANGE & WEB	2
2	G-2	2' FROM INTER. DIA.	0.8' X 0.7'	WEB	2
2	G-2	@ BENT 2	2' X 2'	WEB	2
2	G-2	@ BENT 2	2' X 2'	BOTTOM FLANGE	1
2	G-2	@ BENT 2	10.5' X 1.2'	WEB	2
2	G-2	@ BENT 2	1.3' X 0.7'	BOTTOM FLANGE	1
2	G-2	@ BENT 2	0.8' X 1.2'	WEB	1
2	G-2	10.5' FROM BENT 2	1.2' X 1.2'	WEB	1
2	G-2	7' FROM BENT 2	0.6' X 0.6'	BOTTOM FLANGE	2
2	G-3	@ BENT 2	1.1' X 1'	BOTTOM FLANGE	3
2	G-3	@ BENT 2	2' X 2'	WEB	3
2	G-3	@ BENT 1	2' X 2'	WEB	2
2	G-3	@ BENT 2	1.8' X 2'	BOTTOM FLANGE	2
2	G-3	3' FROM INTER. DIA.	1.5' X 1.2'	WEB	2
2	G-3	@ BENT 2	1.6' X 1'	BOTTOM FLANGE	2
2	G-3	@ BENT 2	1.1' X 1.3'	WEB	2
2	G-3	13' FROM BENT 1	13' X 3'	WEB	3
2	G-4	@ BENT 1	1.5' X 1'	WEB	RT EXT
2	G-4	@ BENT 2	0.8' X 1.2'	WEB	RT EXT
2	G-4	@ BENT 2	1' X 0.6'	WEB	3
2	G-4	@ BENT 1	50' X 2'	WEB	3
2	G-4	@ BENT 2	1.1' X 1.5'	BOTTOM FLANGE	3
2	G-4	@ BENT 2	3' X 2'	WEB	3
2	G-4	2' FROM BENT 1	0.8' X 1.5'	WEB	RT EXT
2	G-4	6' FROM END BENT 1	0.5' X 1'	BOTTOM FLANGE	RT EXT
2	G-4	8' FROM BENT 1	0.7' X 0.7'	BOTTOM FLANGE	3
2	INTER. DIA.	25' FROM BENT 1	0.2' X 1.1'	DIAPHRAGM	3
2	INTER. DIA.	25' FROM BENT 1	1' X 0.4'	DIAPHRAGM	2

REPAIR QUANTITY TABLE						
		QUANTITIES				
		ESTIMATE		ACTUAL		
SHOTCRETE		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
SPAN 1	GIRDERS	153.94	64.14			
	DIAPHRAGMS	9.51	3.96			
	DECK	143.97	59.99			
SPAN 2	GIRDERS	209.74	87.39			
	DIAPHRAGMS	1.94	0.81			
	DECK	0.00	0.00			

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.

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

23-JUN-2016 18:09
 R:\Structures\Tyrrell 7 Girders, Dia, Deck Table.dgn
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PROJECT NO. B-5936
TYRRELL COUNTY
 BRIDGE NO. 7
 SHEET 1 OF 22

DocuSigned by:
Timothy M. Shepell
 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:	TOTAL SHEETS
1			3			5-16
2			4			394