

GIRDER, DIAPHRAGM, & UNDERDECK REPAIR TABLES

SPAN	MEMBER	LENGTH FROM BENT (FT.)	REPAIR SIZE	LOCATION	BAY
28	G1	28' FROM BENT 27	36"x10"	BOTTOM FLANGE	---
28	G1	18.5' FROM BENT 28	6 @ 12"x11"	BOTTOM FLANGE	---
28	G1	30" FROM BENT 28	2 @ 12"x9"	BOTTOM FLANGE	---
28	G3	16' FROM BENT 27	7 @ 18"x10"	BOTTOM FLANGE	---
28	G3	24' FROM BENT 27	4 @ 11"x7"	BOTTOM FLANGE	---
28	G3	34' FROM BENT 27	4 @ 13"x7"	BOTTOM FLANGE	---
28	G3	22.5' FROM BENT 28	11"x10"	BOTTOM FLANGE	---
28	G5	22' FROM BENT 27	16"x12"	BOTTOM FLANGE	---
28	G5	2' FROM BENT 27	2 @ 11"x11"	BOTTOM FLANGE	---
28	G5	8.5' FROM BENT 27	196"x22"	BOTTOM FLANGE	---
28	G5	34' FROM BENT 27	3 @ 9"x5"	BOTTOM FLANGE	---
28	G5	22.5' FROM BENT 28	5 @ 10"x8"	BOTTOM FLANGE	---
28	G5	23.5' FROM BENT 28	16"x10"	BOTTOM FLANGE	---
28	G9	18' FROM BENT 27	5 @ 10"x8"	BOTTOM FLANGE	---
28	G9	21' FROM BENT 27	14"x8"	BOTTOM FLANGE	---
28	G9	27' FROM BENT 27	22"x11"	BOTTOM FLANGE	---
28	G9	34' FROM BENT 27	4 @ 20"x14"	BOTTOM FLANGE	---
28	G9	25' FROM BENT 28	17"x10"	BOTTOM FLANGE	---
28	G9	23' FROM BENT 28	12"x22"	BOTTOM FLANGE	---
28	G10	@ BENT 27	10"x8"	BOTTOM FLANGE	---
28	G10	12' FROM BENT 28	3 @ 9"x9"	BOTTOM FLANGE	---
28	G12	23' FROM BENT 27	2 @ 11"x6"	BOTTOM FLANGE	---
28	G14	2' FROM BENT 27	24"x7"	BOTTOM FLANGE	---
28	G15	15' FROM BENT 28	16"x10"	BOTTOM FLANGE	---
29	G1	@ BENT 29	7"x7"	BOTTOM FLANGE	---
29	G2	28' FROM BENT 29	12"x10"	BOTTOM FLANGE	---
29	G2	28' FROM BENT 29	7"x7"	BOTTOM FLANGE	---
29	G2	18' FROM BENT 29	11"x9"	BOTTOM FLANGE	---
29	G7	35.5' FROM BENT 28	13"x10"	BOTTOM FLANGE	---
29	G7	26' FROM BENT 29	4 @ 17"x11"	BOTTOM FLANGE	---
29	G7	23' FROM BENT 29	10"x9"	BOTTOM FLANGE	---
29	G7	17' FROM BENT 29	3 @ 9"x7"	BOTTOM FLANGE	---
30	G1	22' FROM BENT 30	13"x8"	BOTTOM FLANGE	---
30	G2	24' FROM BENT 29	16"x10"	BOTTOM FLANGE	---
30	G2	16' FROM BENT 29	11"x6"	BOTTOM FLANGE	---
30	G3	18' FROM BENT 29	14"x13"	BOTTOM FLANGE	---
30	G4	32' FROM BENT 29	14"x12"	BOTTOM FLANGE	---
30	G4	38' FROM BENT 29	3 @ 17"x10"	BOTTOM FLANGE	---
30	G7	24.5' FROM BENT 29	16"x13"	BOTTOM FLANGE	---
30	G7	23.5' FROM BENT 29	10"x10"	BOTTOM FLANGE	---
30	G7	25' FROM BENT 29	10"x10"	BOTTOM FLANGE	---
30	G8	28' FROM BENT 29	16"x8"	BOTTOM FLANGE	---
30	G9	30' FROM BENT 29	4 @ 17"x7"	BOTTOM FLANGE	---

GIRDER, DIAPHRAGM, & UNDERDECK REPAIR TABLES

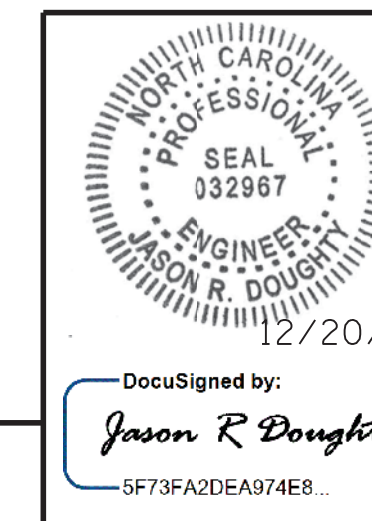
SPAN	MEMBER	LENGTH FROM BENT (FT.)	REPAIR SIZE	LOCATION	BAY
30	G9	34' FROM BENT 29	15"x9"	BOTTOM FLANGE	---
30	G9	7' FROM BENT 30	10"x10"	BOTTOM FLANGE	---
30	G10	1' FROM BENT 30	12"x7"	BOTTOM FLANGE	---
30	G10	20' FROM BENT 30	14"x7"	BOTTOM FLANGE	---
30	G11	24' FROM BENT 30	10"x5"	BOTTOM FLANGE	---
30	G11	22' FROM BENT 30	16"x10"	BOTTOM FLANGE	---
30	G11	6' FROM BENT 30	10"x10"	BOTTOM FLANGE	---
31	DECK	2' FROM BENT 30	22"x9"	BOTTOM OF DECK	7
31	G2	30' FROM BENT 30	12"x9"	BOTTOM FLANGE	---
31	G2	47.5' FROM BENT 30	300"x26"	BOTTOM FLANGE	---
31	G2	14' FROM BENT 31	14"x8"	BOTTOM FLANGE	---
31	G2	21' FROM BENT 31	14"x8"	BOTTOM FLANGE	---
31	G3	47.5' FROM BENT 30	10"x7"	BOTTOM FLANGE	---
31	G4	47.5' FROM BENT 30	10"x5"	BOTTOM FLANGE	---
31	G5	16' FROM BENT 30	9"x8"	BOTTOM FLANGE	---
31	G7	1.5' FROM BENT 30	11"x7"	BOTTOM FLANGE	---
31	G8	1' FROM BENT 30	18"x12"	BOTTOM FLANGE	---
31	G9	47.5' FROM BENT 30	4 @ 11"x8"	BOTTOM FLANGE	---
31	G11	4' FROM BENT 30	8"x8"	BOTTOM FLANGE	---
31	G12	6' FROM BENT 30	19"x10"	BOTTOM FLANGE	---
32	G9	@ BENT 31	9"x6"	BOTTOM FLANGE	---
32	G10	@ END BENT 2	10"x8"	BOTTOM FLANGE	---
32	G10	3' FROM BENT 31	7"x7"	TOP RT. CHAMFER	---
32	G11	@ END BENT 2	9"x7"	BOTTOM FLANGE	---
33	G1	VARIOUS LOCATIONS	48"x9"	BOTTOM FLANGE	---
33	G1	30' FROM BENT 33	12"x9"	BOTTOM FLANGE	---
34	G1	16' FROM BENT 32	49"x11"	BOTTOM FLANGE	---
34	G1	30' FROM BENT 32	9 @ 20"x10"	BOTTOM FLANGE	---
34	G1	14' FROM BENT 32	10"x10"	BOTTOM FLANGE	---
34	G1	18' FROM BENT 32	10"x10"	BOTTOM FLANGE	---
34	G2	@ BENT 32	10"x9"	BOTTOM FLANGE	---
35	G1	9" FROM END BENT 2 RAMP	10"x6"	TOP LT. CHAMFER	---
35	G2	9" FROM END BENT 2 RAMP	10"x6"	TOP LT. FLANGE	---
35	G4	12" FROM BENT 33	11"x10"	BOTTOM FLANGE	---
35	G4	19' FROM BENT 33	14"x11"	BOTTOM FLANGE	---
35	G5	5" FROM END BENT 2 RAMP	14"x11"	BOTTOM FLANGE	---
35	G5	5" FROM END BENT 2 RAMP	13"x10"	BOTTOM FLANGE	---
35	G5	19" FROM END BENT 2 RAMP	17"x5"	TOP LT. FLANGE	---

REPAIR QUANTITY TABLE

SPAN	SHOTCRETE	ESTIMATE		ACTUAL		
		AREA SF	VOLUME CF	AREA SF	DEPTH FT	VOLUME CF
SPAN 28	GIRDERS	82.89	10.48			
	DIAPHRAGMS	---	---			
	DECK	---	---			
SPAN 29	GIRDERS	10.24	1.28			
	DIAPHRAGMS	---	---			
	DECK	---	---			
SPAN 30	GIRDERS	20.34	2.89			
	DIAPHRAGMS	---	---			
	DECK	---	---			
SPAN 31	GIRDERS	63.30	8.13			
	DIAPHRAGMS	---	---			
	DECK	1.38	0.23			
SPAN 32	GIRDERS	1.71	0.21			
	DIAPHRAGMS	---	---			
	DECK	---	---			
SPAN 33	GIRDERS	3.75	0.47			
	DIAPHRAGMS	---	---			
	DECK	---	---			
SPAN 34	GIRDERS	18.26	2.91			
	DIAPHRAGMS	---	---			
	DECK	---	---			
SPAN 35	GIRDERS	5.23	0.65			
	DIAPHRAGMS	---	---			
	DECK	---	---			

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DESIGNED BY: J. BORUTA DATE: OCT 2017
 DRAWN BY: C. CORMAN DATE: OCT 2017
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 DESIGN ENGINEER OF RECORD: J. DOUGHTY DATE: DEC 2017



PROJECT NO. 15BPR.15
NEW HANOVER COUNTY
 STATION: _____

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GIRDER, DIAPHRAGM
 AND UNDERDECK
 REPAIRS

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 UNLESS ALL SIGNATURES COMPLETED**

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S-40
 TOTAL SHEETS 66