DocuSign Envelope ID: 78071197-3E53-4A6F-BE8F-CA331253E0AC

QUANTITIES IN TABLE REPRESENT ESTIMATED VALUES OF CLASS II SURFACE PREPARATION AND CONCRETE DECK REPAIR FOR POLYMER OVERLAY AFTER REMOVAL OF UNSOUND CONCRETE (MIN. 2" CLEAR TO SAW CUT). SEE OVERLAY SURFACE PREPARATION FOR POLYMER CONCRETE SPECIAL PROVISION.

CLASS II SURFACE PREPARATION

UNDERSIDE REPAIR

TEST LOCATION

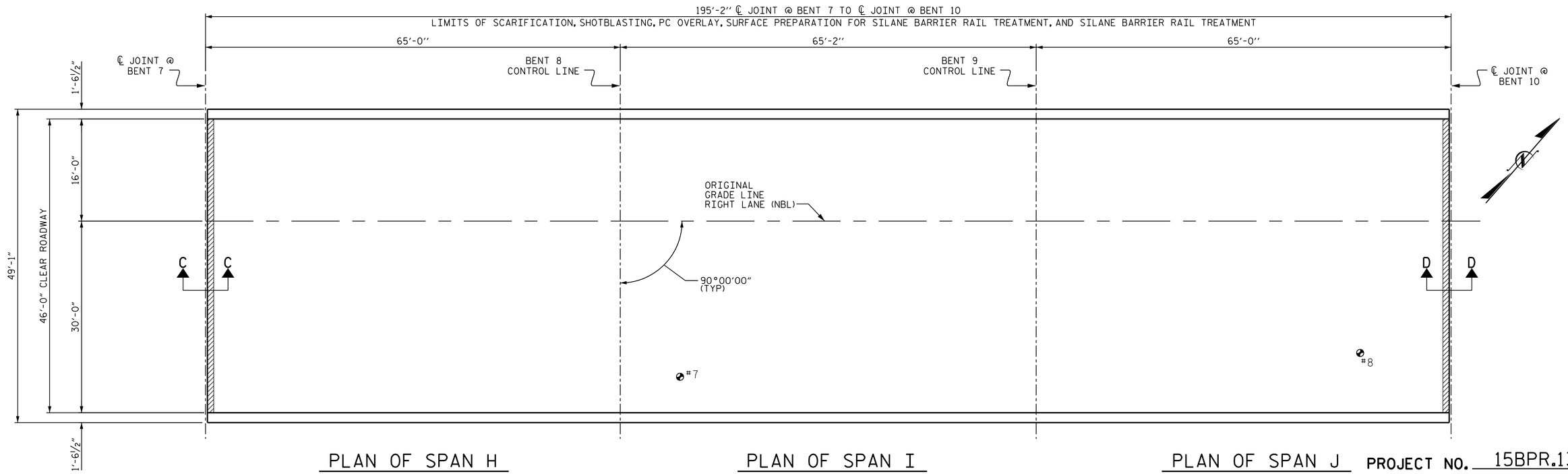
AS-BUILT REPAIR QUANTITY TABLE

TOP OF DECK REPAIRS

	SPAN H-J	
	ESTIMATE	ACTUAL
SCARIFYING BRIDGE DECK	997.5 SY	
SHOTBLASTING OF BRIDGE DECK	997.5 SY	
CLASS II SURFACE PREPARATION	6.0 SY	
EPOXY RESIN INJECTION	0.0 LF	
GROOVING BRIDGE FLOORS	8377.8 SF	
CONCRETE DECK REPAIR FOR PC OVERLAY	6.0 SY	
POLYMER CONCRETE MATERIALS	27.7 CY	
PLACING AND FINISHING POLYMER CONCRETE OVERLAY	997.5 SY	
SURFACE PREPARATION FOR SILANE BARRIER RAIL TREATMENT	1366.2 SF	
SILANE BARRIER RAIL TREATMENT	1366.2 SF	

UNDERSIDE OF DECK REPAIRS

	SPAN H				SPAN I				SPAN J			
SHOTCRETE REPAIRS	ESTIMATE		ACTUAL		ESTIMATE		ACTUAL		ESTIMATE		ACTUAL	
	AREA SF	VOLUME CF	AREA SF	VOLUME CF	AREA SF	VOLUME CF	AREA SF	VOLUME CF	AREA SF	VOLUME CF	AREA SF	VOLUME CF
UNDERSIDE OF DECK	0.0	0.0			0.0	0.0			0.0	0.0		
OVERHANG DIAPHRAGMS	0.0	0.0			0.0	0.0			0.0	0.0		
UNDERSIDE OF OVERHANG	0.0	0.0			0.0	0.0			0.0	0.0		
INTERIOR DIAPHRAGMS	0.0	0.0			0.0	0.0			0.0	0.0		
	ESTIMATE		ACTUAL		ESTIMATE		ACTUAL		ESTIMATE		ACTUAL	
UNDERSIDE EPOXY RESIN INJECTION	0.0 LF				0.0 LF				0.0 LF			



PLAN OF SPAN H

PLAN OF SPAN I

PLAN OF SPAN J

PROJECT NO. 15BPR.130

CHATHAM COUNTY

BRIDGE NO. 180477

SHEET 4 OF 6

TEST LOCATION	* CONCRETE COVER (INCH)	CONCRETE STRENGTH (PSI)
7	2 3/8"	5930
8	2 1/4"	6520

INFORMATION IN CHART TAKEN FROM DECK EVALUATION DATED 6/01/2022.

NOTES

REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE AS-BUILT REPAIR QUANTITY TABLE.

FOR SECTIONS C-C AND D-D, SEE "JOINT REPAIR DETAILS" SHEET.

NORTH CAROLINA PROFESSIONAL SEAL 025516 ENGINEER EMILY E. MURRAY

Docusigned by: Emily E. Murray A689F83FD9D74F8...

4/24/2024

VOLKERT
5430 Wade Park Blvd., Suite 410
Raleigh, NC 27607
Tel. 919-854-0344 Fax. 919-854-0355
NC License No. F-0765

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE PLAN OF SPAN H, SPAN I AND SPAN J

RIGHT LANE (NBL)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-52
1			3			TOTAL SHEETS
2			4			156

DRAWN BY : T.MAZARURA DATE : 8/2022

CHECKED BY : D.GLADDEN DATE : 9/2022

23-APR-2024 18:18

brent.barnhill AT C-1001568