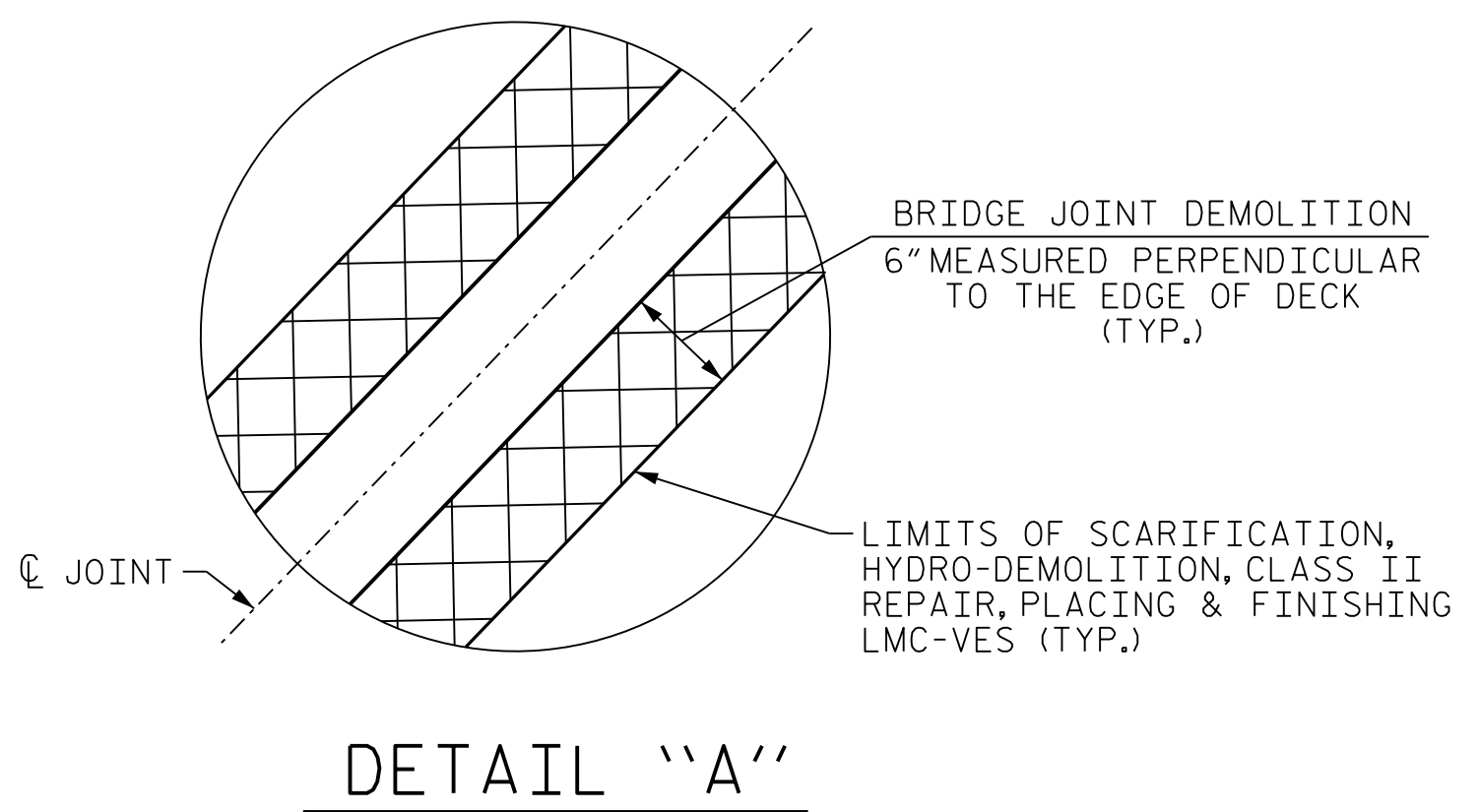


PLAN OF SPANS

AS-BUILT REPAIR QUANTITY TABLE SPANS C AND D				
TOP OF DECK REPAIRS				
	ESTIMATE	ACTUAL		
SCARIFYING BRIDGE DECK	376.1 SY			
HYDRO-DEMOLITION OF BRIDGE DECK	376.1 SY			
CLASS II SURFACE PREPARATION	7.0 SY			
LATEX MODIFIED CONCRETE OVERLAY- VERY EARLY STRENGTH	18.3 CY			
PLACING & FINISHING LMC-VES OVERLAY	376.1 SY			
BRIDGE JOINT DEMOLITION	53.1 SF			
GROOVING BRIDGE FLOORS	2917 SF			
REMOVE AND REPLACE CURB AND GUTTER	30 LF			
UNDERSIDE OF DECK REPAIRS				
SHOTCRETE REPAIRS	QUANTITIES			
	ESTIMATE		ACTUAL	
	AREA SF	VOLUME CF	AREA SF	VOLUME CF
UNDERSIDE OF DECK	0.0	0.0		
OVERHANG DIAPHRAGMS	0.0	0.0		
UNDERSIDE OF OVERHANG	0.0	0.0		
INTERIOR DIAPHRAGMS	0.0	0.0		
	ESTIMATE		ACTUAL	
UNDERSIDE EPOXY RESIN INJECTION	0.0 LF			

VALUES IN CHART REPRESENT ESTIMATED UNDERSIDE OF DECK REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MINIMUM OF 1" BEHIND REBAR AND MINIMUM 2" CLEAR TO SAW CUT. SEE REPAIR DETAILS.

- BRIDGE JOINT DEMOLITION
- CLASS II SURFACE PREPARATION
- DECK SCARIFICATION, HYDRO-DEMOLITION AND LATEX MODIFIED CONCRETE OVERLAY-VES
- #X TEST HOLE LOCATION



DETAIL "A"

TEST LOCATION	*CONCRETE COVER (INCH)	ESTIMATED CONCRETE STRENGTH (PSI)
#5	1 3/4"	4300
#6	1 5/8"	4700
#7	2"	4300
#8	2"	4500

INFORMATION IN CHART TAKEN FROM DECK EVALUATION DATED 08/29/22.

\* CONCRETE COVER FOR TOP BARS IN THE DECK ARE BASED ON DECK EVALUATION DATED 08/29/22. EXISTING BRIDGE PLANS INDICATE 1 1/2" CONCRETE COVER.

NOTES:

REPAIR LOCATIONS AND ESTIMATE OF QUANTITIES ARE BASED ON 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 ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE.

PAYMENT FOR CLASS II SURFACE PREPARATION IS BASED ON THE SQUARE YARDS OF ADDITIONAL DEMOLITION REQUIRED FOLLOWING HYDRO-DEMOLITION OF THE BRIDGE DECK. SEE "LMC OVERLAY SURFACE PREPARATION" SPECIAL PROVISIONS.

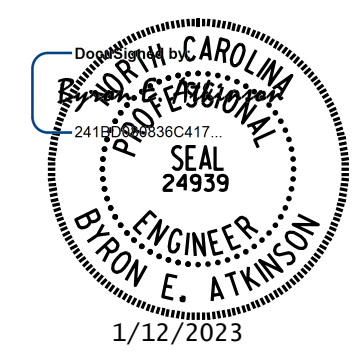
FOR SECTIONS A-A AND B-B, SEE "JOINT DETAILS" SHEET.

QUANTITIES SHOWN IN THE BILL OF MATERIAL ARE BASED ON ESTIMATED CURB AND GUTTER REMOVAL AND REPLACEMENT. REMOVE AND REPLACE DIMENSIONS SHOWN ON PLANS. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS WITH THE ENGINEER AND SHALL ADJUST QUANTITIES AS NECESSARY.

EXISTING DAMAGED CURB AND GUTTER SHALL BE REMOVED AND REPLACED WITH CURB AND GUTTER IN ACCORDANCE WITH SECTION 846 OF THE STANDARD SPECIFICATIONS AND 2018 ROADWAY STANDARD DRAWING 846.01.

PROJECT NO. I-6052  
MECKLENBURG COUNTY  
 BRIDGE NO. 590283

SHEET 2 OF 2



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTURE  
 SURFACE PREPARATION  
 SPANS C AND D

**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

MI ENGINEERING  
 1011 SCHAUB DRIVE, SUITE 100  
 RALEIGH, NC 27606  
 (919) 851-6606  
 FIRM PE NUMBER: P-0671

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S3-5 TOTAL SHEETS 108
2			4			

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DRAWN BY : B.E. LANNING DATE : 10/2022  
 CHECKED BY : B.E. ATKINSON DATE : 10/2022  
 DESIGN ENGINEER OF RECORD : B.E. ATKINSON DATE : 10/2022