620'-0" ± REMOVE AND REPLACE 20" TUBULAR STEEL BEAM GUARDRAIL & OFFSET TUBES 72′-0″ (SPAN D) -3"Ø DECK DRAIN (TYP.) -20"TUBULAR STEEL BEAM GUARDRAIL (TYP.) GUTTER LINE © BEAM (TYP.)—\ 3'-0" ROADWAY) 33'-3" (OUT TO OUT) © BRIDGE— TO US 25 © JOINT @ BENT 3— © JOINT @ BENT 4-620'-0" ± REMOVE AND REPLACE 20"TUBULAR STEEL BEAM GUARDRAIL & OFFSET TUBES SPAN D

## 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 REPAIR QUANTITY TABLE.

CONCRETE COVER FOR TOP BARS IN THE DECK SLAB IS  $1\frac{7}{16}$ " PER THE EXISTING BRIDGE PLANS.

FOR SECTION B-B, SEE "JOINT DETAILS" SHEET.

FOR FINE MILLING, SEE SPECIAL PROVISIONS.

THE CONTRACTOR SHALL REMOVE AND REPLACE THE 20"TUBULAR STEEL BEAM GUARDRAIL. THE ENGINEER WILL SELECT THOSE SECTIONS OF THE EXISTING GUARDRAIL SUITABLE FOR FUTURE USE AND TRANSPORT THEM TO A STOCKPILE FOR THE USE OF THE DEPARTMENT. THE REMAINING GUARDRAIL SECTIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROJECT.

FOR DIMENSIONS OF TUBULAR BEAM GUARDRAIL, POSTS AND TUBES, SEE "TUBULAR BEAM GUARDRAIL DETAILS" SHEET.

\_ DATE : <u>6/2022</u> J. HARRIS DRAWN BY : \_ DATE : <u>6/2022</u> J. YANNACCONE CHECKED BY : \_



One Glenwood Avenue Suite 900 Raleigh,NC 27603 919-420-7660 NC L1c.No. F-0270

Eir BML / 7/25/2022 ACB8082119D74CD... DOCUMENT NOT CONSIDERED

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REPAIR QUANTITY TABLE				
TOP OF DECK REPAIR				
	ESTIMATE		AC	TUAL
FINE MILLING	22	224 SY		
HYDRO-DEMOLITION OF BRIDGE DECK	22	224 SY		
CLASS II SURFACE PREPARATION	0.0 SY			
CLASS III SURFACE PREPARATION	0.0 SY			
LATEX MODIFIED CONCRETE - VES OVERLAY	16.3 CY			
PLACING & FINISHING LMC - VES OVERLAY	224 SY			
BRIDGE JOINT DEMOLITION	37 SF			
GROOVING BRIDGE FLOORS	1754 SF			
UNDERSIDE OF DECK REPAIR				
SHOTCRETE REPAIRS		MATE VOLUME CF		TUAL VOLUME CF
UNDERSTDE OF DECK	0,0	0.0		

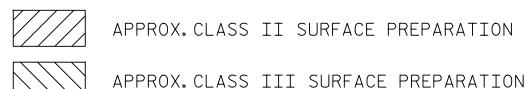
UNDERSIDE OF DECK OVERHANG DIAPHRAGMS 0.0 0.0 UNDERSIDE OF OVERHANG 0.0 0.0 INTERIOR DIAPHRAGMS 0.0 0.0 ESTIMATE ACTUAL UNDERSIDE EPOXY RESIN 0.0 LF INJECTION

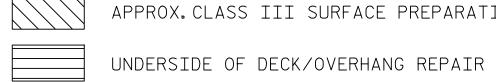
VALUES IN CHART REPRESENT ESTIMATED UNDERSIDE OF DECK REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MINIMUM OF 1"BEHIND REBAR AND MINIMUM 2"CLEAR TO SAWCUT. FOR REPAIR DETAILS, SEE "OVERHANG UNDERSIDE REPAIR DETAILS" SHEET.

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



BRIDGE JOINT DEMOLITION





ERI EPOXY RESIN INJECTION

PROJECT NO. I-5889B BUNCOMBE COUNTY 100352 BRIDGE NO. \_\_\_

SHEET 4 OF 8

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

> PLAN OF SPANS SPAN D

SHEET NO REVISIONS S5-7 DATE: BY: DATE: FINAL UNLESS ALL SIGNATURES COMPLETED