370'-0" ± \* REMOVE AND REPLACE 20"TUBULAR STEEL BEAM GUARDRAIL & OFFSET TUBES © JOINT — @ BENT 2 € JOINT -@ BENT 3 −3″Ø DECK DRAIN -20"TUBULAR STEEL BEAM — GUTTER (TYP.) GUARDRAIL LINE (TYP.) L BEAM (TYP.) © BRIDGE-I-40 EBL \_TO US 23 — GUTTER LINE 68′-9<sup>5</sup>/<sub>16</sub>″ \* (SPAN C) 380′-0″ ± <del>\*</del> REMOVE AND REPLACE 20"TUBULAR STEEL BEAM GUARDRAIL & OFFSET TUBES SPAN C

\* DIMENSIONS MEASURED ALONG ARC

## 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%6'' 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.

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



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

REPAIR QUAN	1TI1	Y T	ABI	_E		
TOP OF DE						
FINE MILLING		<u>IMATE</u> 5 SY	AC	ACTUAL		
HYDRO-DEMOLITION OF BRIDGE DECK		5 SY				
CLASS II SURFACE PREPARATION	0.	O SY				
CLASS III SURFACE PREPARATION	0.	O SY				
LATEX MODIFIED CONCRETE - VES OVERLAY	22	.3 CY				
PLACING & FINISHING LMC - VES OVERLAY	30	)5 SY				
BRIDGE JOINT DEMOLITION		41 SF				
GROOVING BRIDGE FLOORS	249	0 SF				
UNDERSIDE OF	DEC	< REP	AIR			
SHOTCRETE REPAIRS	-	MATE VOLUME CF		TUAL 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				
	ESTI	I MATE	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 SAWCUT. FOR REPAIR DETAILS, SEE "OVERHANG UNDERSIDE REPAIR DETAILS" SHEET.

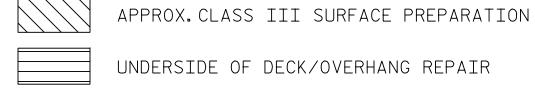
PAYMENT FOR CLASS II AND CLASS III SURFACE PREPARATION IS BASED ON THE SQUARE YARDS OF ADDITIONAL DEMOLITION REQUIRED FOLLOWING HYDRO-DEMOLITION OF THE BRIDGE DECK. SEE "OVERLAY SURFACE PREPARATION" SPECIAL PROVISION.



BRIDGE JOINT DEMOLITION



APPROX. CLASS II SURFACE PREPARATION



ERI EPOXY RESIN INJECTION

PROJECT NO. I-5889B BUNCOMBE COUNTY 100347 BRIDGE NO. \_\_\_\_

SHEET 3 OF 5

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

PLAN OF SPANS SPAN C

DOCUMENT FINAL SIGNATUR

Ein BML On 7/25/2022

020208

	REVISIONS						SHEET
NOT CONSIDERED	ΝΟ.	BY:	DATE:	NO.	BY:	DATE:	S4-6
UNLESS ALL RES COMPLETED	1			3			TOTAL SHEETS
1120 001111 22125	2			<u>a</u>			133