

REPAIR QUAN	TIT	Y T	ABL	_E				
TOP OF DEC								
		IMATE	AC	:TUAL				
FINE MILLING *	209	17 SY						
HYDRO-DEMOLITION OF BRIDGE DECK	96	3 SY						
CLASS II SURFACE PREPARATION	3.	3 SY						
CLASS III SURFACE PREPARATION	0.	O SY						
LATEX MODIFIED CONCRETE - VERY EARLY STRENGTH	65	.1 CY						
BRIDGE JOINT DEMOLITION	18	37 SF						
EPOXY RESIN INJECTION	0.	O LF						
CONCRETE FOR DECK REPAIR	0.	O CF						
DIAMOND GRINDING	96	3 SY						
SILANE DECK TREATMENT	96	3 SY						
CONCRETE REPAIR	16.4 CF							
UNDERSIDE OF DECK REPAIR								
SHOTCRETE REPAIRS	ESTI AREA SF	MATE VOLUME CF	AC AREA SF	TUAL VOLUMI 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.

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

APPROX. CLASS III SURFACE PREPARATION

UNDERSIDE OF DECK/OVERHANG REPAIR

EPOXY RESIN INJECTION

TEST LOCATION

I-5997 PROJECT NO._ WAKE COUNTY 910260 BRIDGE NO.

SHEET 2 OF 4

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

> PLAN OF SPANS EAST BOUND

DOCUMENT FINAL SIGNATU

SEAL 020208 AGINEER. Ein BML / 1/12/2022

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		SHEET N					
T NOT CONSIDERED	NO.	BY:	DATE:	NO.	BY:	DATE:	S-20
L UNLESS ALL	1			3			TOTAL SHEETS
URES COMPLETED	2			4			82

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 $1\frac{1}{2}$ " PER THE EXISTING BRIDGE PLANS.

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

FOR DETAILS ON LONGITUDINAL DECK CONSTRUCTION JOINT, SEE "TYPICAL SECTION AND SURFACE PREPARATION DETAILS" SHEET.

REPAIR OF THE BARRIER RAIL WILL BE PAID FOR AS PART OF THE CONTRACT UNIT PRICE BID FOR CONCRETE REPAIR.

FOR REPAIR OF THE BARRIER RAIL, SEE "MISCELLANEOUS DETAILS" SHEET.

* THE QUANTITY OF FINE MILLING INCLUDES THE CONCRETE BRIDGE DECK, CONCRETE APPROACH SLABS, AND 150 FEET OF THE ASPHALT APPROACH PAVEMENT AT EACH END OF THE BRIDGE.

FOR FINE MILLING, SEE SPECIAL PROVISIONS.

IF THE SILANE DECK TREATMENT IS APPLIED WITHIN FIVE (5) DAYS AFTER DIAMOND GRINDING THE BRIDGE DECK AND APPROACH SLABS, SHOTBLASTING IS NOT REQUIRED. IF MORE THAN FIVE (5) DAYS HAVE ELAPSED SINCE DIAMOND GRINDING, THE CONTRACTOR SHALL SHOTBLAST THE BRIDGE DECK AND APPROACH SLABS AT NO ADDITIONAL COST TO THE DEPARTMENT.

FOR SILANE DECK TREATMENT, SEE SPECIAL PROVISIONS.

DATE: 08/2021 J. MYA DRAWN BY : __ DATE : <u>09/2021</u> J. YANNACCONE CHECKED BY: DESIGN ENGINEER OF RECORD: R. NELSON DATE: 09/2021

CONCRETE

STRENGTH (PSI)

2,850

4,000

2,800

4,450

INFORMATION IN CHART TAKEN FROM DECK EVALUATION DATED 8/29/2021.

LOCATION

#5

#6

#7

#8

PLANS PREPARED BY: Gannett Fleming Raleigh, NC 27603 (919) 420-7660

One Glenwood Avenue Excellence Delivered As Promised NC Lic. No. F-0270