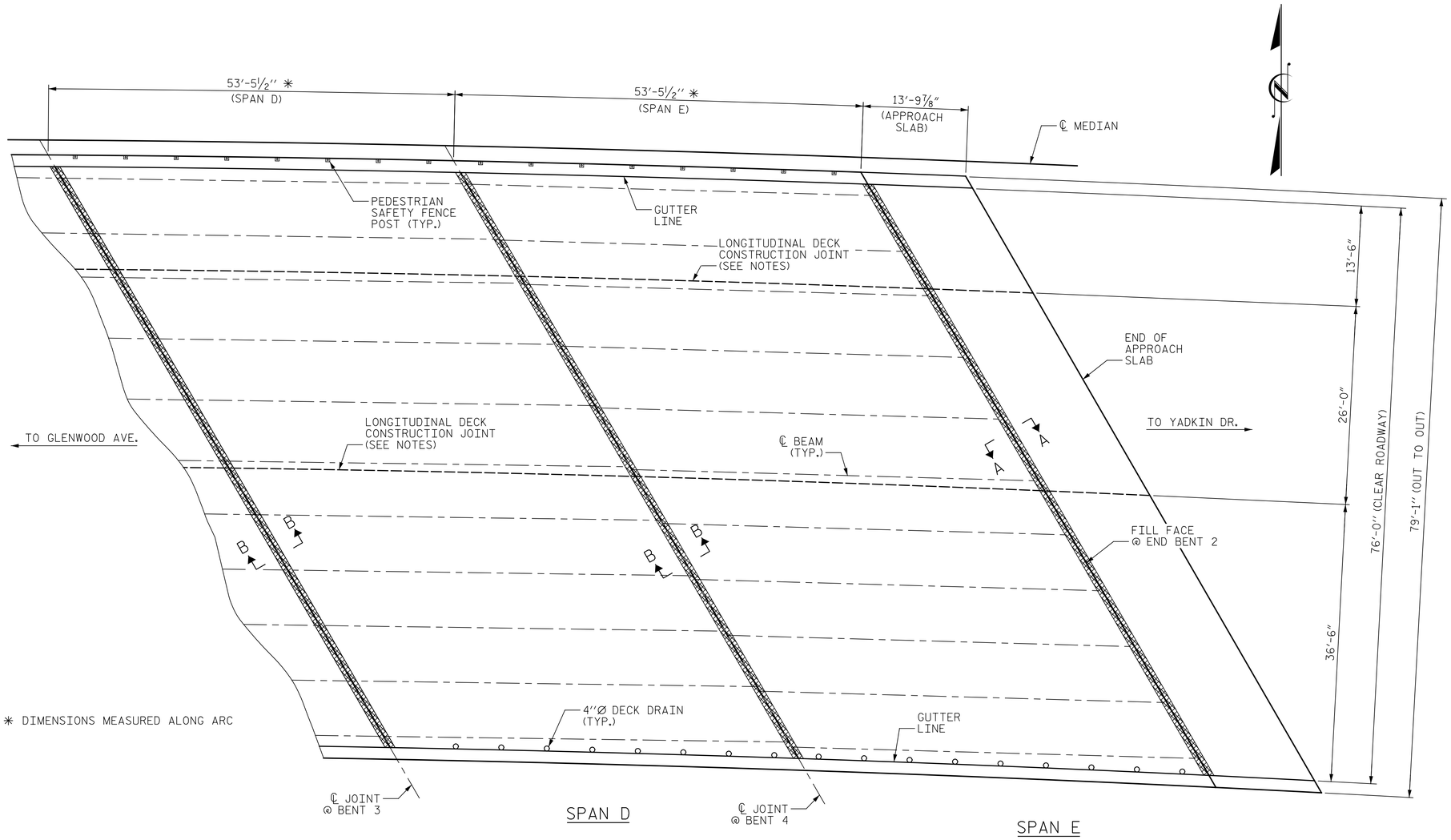

✳ DIMENSIONS MEASURED ALONG ARC

PLAN

REPAIR QUANTITY TABLE

TOP OF DECK REPAIR

	ESTIMATE	ACTUAL
FINE MILLING ✳✳	2292 SY	
HYDRO-DEMOLITION OF BRIDGE DECK	1028 SY	
CLASS II SURFACE PREPARATION	0.0 SY	
CLASS III SURFACE PREPARATION	0.0 SY	
LATEX MODIFIED CONCRETE - VERY EARLY STRENGTH	55.5 CY	
BRIDGE JOINT DEMOLITION	224 SF	
EPOXY RESIN INJECTION	0.0 LF	
CONCRETE FOR DECK REPAIR	0.0 CF	
DIAMOND GRINDING	1028 SY	
SILANE DECK TREATMENT	1028 SY	

UNDERSIDE OF DECK REPAIR

SHOTCRETE REPAIRS	ESTIMATE AREA SF	ESTIMATE VOLUME CF	ACTUAL AREA SF	ACTUAL 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.

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.

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

WHERE DECK DRAINS DISCHARGE DIRECTLY ONTO A BENT CAP, REMOVE DECK DRAIN PIPE AND FILL DRAIN OPENING IN THE DECK WITH GROUT. FOR REPAIRS OF EXISTING DECK DRAINS, SEE SPECIAL PROVISIONS.

BRIDGE JOINT DEMOLITION

APPROX. CLASS II SURFACE PREPARATION

APPROX. CLASS III SURFACE PREPARATION

ERI EPOXY RESIN INJECTION

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 1½" PER THE EXISTING BRIDGE PLANS.

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

WHERE DECK DRAINS DISCHARGE DIRECTLY ONTO A BENT CAP, REMOVE DECK DRAIN PIPE AND FILL DRAIN OPENING IN THE DECK WITH GROUT. SEE "MISCELLANEOUS DETAILS" SHEET.

FOR REPAIRS OF EXISTING DECK DRAINS, SEE SPECIAL PROVISIONS.

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

PROJECT NO. I-5997

WAKE COUNTY

BRIDGE NO. 910263 & 910264

SHEET 2 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

PLAN OF SPANS
EAST BOUND

NORTH CAROLINA PROFESSIONAL SEAL 020208 ENGINEER ERIC B. NELSON

DocuSigned by: Eric B Nelson Jr. 1/12/2022
ACB80821197D74CD...

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-37
1			3			TOTAL SHEETS
2			4			82

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

PLANS PREPARED BY:
Gannett Fleming
Excellence Delivered As Promised
One Glenwood Avenue
Suite 900
Raleigh, NC 27603
(919) 420-7660
NC Lic. No. F-0270

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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