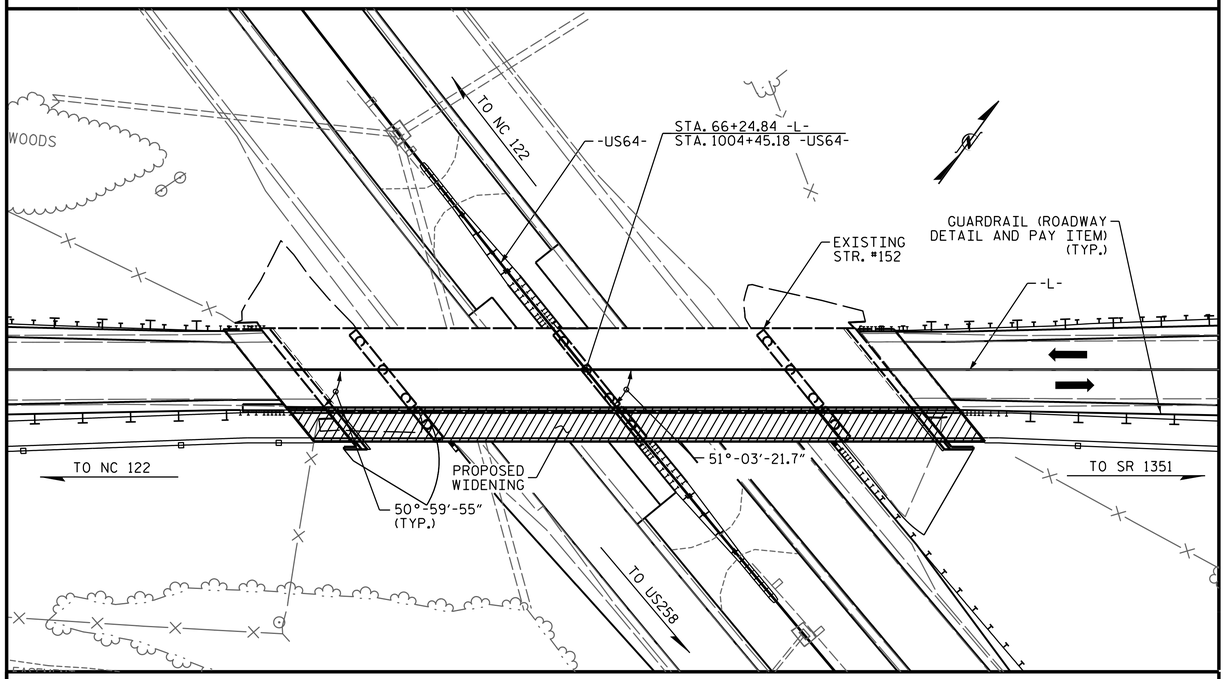
BM #4: EL. 91.11 STA. 61+53.25 -L- 112.47' RT, BENCHTIE IN 14" PINE



LOCATION SKETCH

FOR UTILITY INFORMATION, SEE UTILITY PLANS AND SPECIAL PROVISIONS.

NOTES

ASSUMED PEDESTRIAN LIVE LOAD (WIDENING) = 90 PSF

THIS BRIDGE WIDENING HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.

FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE "STANDARD NOTES" SHEET.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

THE ELEVATIONS AND CLEARANCES SHOWN ON THE PLANS AT THE POINT OF MINIMUM VERTICAL CLEARANCE ARE FROM THE BEST INFORMATION AVAILABLE. PRIOR TO BEGINNING BRIDGE CONSTRUCTION, VERIFY THE ELEVATIONS ON THE EXISTING PAVEMENT AND CHECK THE CLEARANCE. REPORT ANY VARIATIONS TO THE ENGINEER. ANY PLAN REVISIONS NECESSARY TO ACHIEVE THE REQUIRED MINIMUM VERTICAL CLEARANCE WILL BE PROVIDED BY THE DEPARTMENT.

FOR MAINTENANCE AND PROTECTION OF TRAFFIC BENEATH PROPOSED STRUCTURE, SEE SPECIAL PROVISIONS.

REMOVABLE FORMS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.

NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER.

STEEL SHEET PILING REQUIRED FOR SHORING SHALL BE HOT ROLLED.

FOR LIMITS OF TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE TRAFFIC CONTROL PLANS.

FOR PAYMENT OF TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE ROADWAY PLANS.

THE SUBSTRUCTURE OF THE EXISTING BRIDGE INDICATED ON THE PLANS IS FROM THE BEST INFORMATION AVAILABLE. SINCE THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THE EXISTING BRIDGE SUBSTRUCTURE SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

FOR VOLUMETRIC MIXER, SEE SPECIAL PROVISIONS.

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

FOR ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND RENOVATION ACTIVITIES, SEE SPECIAL PROVISIONS.

FOR LATEX MODIFIED CONCRETE (LMC) OVERLAY, SEE SPECIAL PROVISIONS.

FOR LMC OVERLAY SURFACE PREPARATION, SEE SPECIAL PROVISIONS.

WORK POINT STATIONS ARE BASED ON PROPOSED -L- LINE AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
LONGITUDINAL CONSTRUCTION JOINTS OF OVERLAYS SHALL BE LOCATED ALONG THE CENTERLINE OR EDGE OF TRAVEL LANES.

EXISTING JOINTS SHALL BE SEALED PRIOR TO BEGINNING SURFACE PREPARATION OF BRIDGE DECK.

THE CONTRACTOR SHALL PROVIDE A METHOD OF HANDLING UNEXPECTED BLOW THROUGH OF THE DECK.

FOR SCARIFYING BRIDGE DECK, HYDRO-DEMOLITION OF BRIDGE DECK AND CLASS II SURFACE PREPARATION SEE OVERLAY SURFACE PREPARATION SPECIAL PROVISIONS.

THE CONTRACTOR MUST COLLECT, TREAT AND DISPOSE OF RUN-OFF WATER AND CONCRETE GRINDING RESIDUALS FROM THE HYDRO-DEMOLITION PROCESS.

DURING CONSTRUCTION, BERMS OR APPROPRIATE MEASURES SHALL BE USED TO ENSURE HYDRO-DEMOLITION WATER DOES NOT FLOW OR MIGRATE INTO ACTIVE TRAVEL LANES.

CARE SHALL BE TAKEN DURING THE PARTIAL REMOVAL OF THE EXISTING STRUCTURE. DAMAGE TO THE REMAINING STRUCTURE SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT. THE METHOD OF REPAIR SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.

FOR ADHESIVELY ANCHOR DOWELS, SEE STANDARD SPECIFICATIONS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL STATE AND FEDERAL SAFETY REQUIREMENTS FOR CONTROL OF TRAFFIC AND LIMITS ON PHASING OF CONSTRUCTION. SEE TRAFFIC CONTROL PLANS.

FOR BRIDGE JOINT DEMOLITION, SEE SPECIAL PROVISIONS.

FOR FOAM JOINT SEALS FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR ELASTOMERIC CONCRETE FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR CONCRETE FOR DECK REPAIR, SEE SPECIAL PROVISIONS.

FOR SILANE BARRIER RAIL TREATMENT, SEE SPECIAL PROVISIONS.

IT MAY BE DETERMINED IN THE FIELD THAT THE FOLLOWING ITEM(S) WILL BE NECESSARY TO COMPLETE THE BRIDGE PRESERVATION/ REHABILITATION WORK. SUCH WORK SHALL BE CONSIDERED EXTRA WORK AND SHALL BE ADDRESSED AS PER ARTICLE 104-7 OF THE STANDARD SPECIFICATIONS. PROJECT SPECIAL PROVISIONS THAT OUTLINE REQUIREMENTS FOR THE FOLLOWING ITEMS HAVE BEEN PROVIDED, BUT NO QUANTITIES HAVE BEEN LISTED. ACTUAL PAY ITEMS, QUANTITIES, AND COSTS WILL BE ESTABLISHED, AS REQUIRED, IF EXTRA WORK IS ENCOUNTERED. UNANTICIPATED ITEMS:

CLASS III SURFACE PREPARATION
.CONCRETE FOR DECK REPAIR
.VOLUMETRIC MIXER

ALL EXISTING AND PROPOSED DIMENSIONS AND ELEVATIONS SHOWN ON THE PLANS ARE FROM THE BEST INFORMATION AVAILABLE. PRIOR TO BEGINNING BRIDGE CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS, INCLUDING EXISTING SEAT ELEVATIONS. IF ANY DIMENSIONS OR ELEVATIONS VARY FROM THE PLANS, REPORT ANY VARIATIONS TO THE ENGINEER.

TOTAL BILL OF MATERIAL

	REMOVAL OF EXISTING STRUCTURE @ STA. 66+24.84 -L-	ASBESTOS ASSESSMENT	FOUNDATION EXCAVATION FOR BENTS @ STA. 66+24.84 -L-	PDA TESTING	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	36" PRE-STRESSED CONCRETE GIRDERS		54" PRE-STRESSED CONCRETE GIRDERS		PILE DRIVING EQUIPMENT SETUP FOR HP 12X53 STEEL PILES	HP 12X53 STEEL PILES		PILE REDRIVES
	LUMP SUM	LUMP SUM	LUMP SUM	EACH	SQ. FT.	SQ. FT.	CU. YDS.	LUMP SUM	LBS.	LBS.	NO.	LIN. FT.	NO.	LIN. FT.	EACH	NO.	LIN. FT.	EACH
SUPERSTRUCTURE	LUMP SUM	LUMP SUM			3,171	7,419		LUMP SUM			4	143.6	4	321.7				
END BENT 1							7.4		1,740						3	3	195	2
BENT 1			LUMP SUM				18.0		3,189	392					5	5	400	3
BENT 2			LUMP SUM				17.4		3,090	392					5	5	400	3
BENT 3			LUMP SUM				18.0		3,189	392					5	5	400	3
END BENT 2							8.8		2,012						3	3	195	2
TOTAL	LUMP SUM	LUMP SUM	LUMP SUM	1	3,171	7,419	69.6	LUMP SUM	13,220	1,176	4	143.6	4	321.7	21	21	1,590	13

TOTAL BILL OF MAT'L. CONT.

	2-BAR METAL RAIL	VERTICAL CONCRETE BARRIER RAIL	1'-2"x2'-6" CONCRETE PARAPET	4" SLOPE PROTECTION	CLASS II SURFACE PREPARATION	LATEX MODIFIED CONCRETE OVERLAY	PLACING & FINISHING OF LATEX MODIFIED CONCRETE OVERLAY	ELASTOMERIC BEARINGS	FOAM JOINT SEALS FOR PRESERVATION	ELASTOMERIC CONCRETE FOR PRESERVATION	BRIDGE JOINT DEMOLITION	SCARIFYING BRIDGE DECK	HYDRO-DEMOLITION BRIDGE DECK	SURFACE PREPARATION FOR CONCRETE BARRIER RAIL	SILANE BARRIER RAIL TREATMENT
	LIN. FT.	LIN. FT.	LIN. FT.	SQ. YDS.	SQ. YDS.	CU. YDS.	SQ. YDS.	LUMP SUM	LIN. FT.	CU. FT.	SQ. FT.	SQ. YDS.	SQ. YDS.	SQ. FT.	SQ. FT.
SUPERSTRUCTURE	257.1	265.6	265.6		35	32.2	896	LUMP SUM	271.3	39.0	155.8	896	896	1,475	1,475
END BENT 1				155											
BENT 1															
BENT 2															
BENT 3															
END BENT 2				212											
TOTAL	257.1	265.6	265.6	367	35	32.2	896	LUMP SUM	271.3	39.0	155.8	896	896	1,475	1,475

PAY ITEM INCLUDES CONCRETE FOR STAGED LMC.

DESIGNED BY: J. WHEATLEY DATE: MAR 2023
DRAWN BY: J. WHEATLEY DATE: MAR 2023
CHECKED BY: T. KIRSCHBAUM DATE: MAR 2023
DESIGN ENGINEER OF RECORD: T HARRIS DATE: MAR 2023

WSP USA Inc.
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SUITE 1500
RALEIGH, NC 27601
TEL: 1.919.836.4040
LICENSE NO. F-0165

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NORTH CAROLINA PROFESSIONAL SEAL 19299 ENGINEER THOMAS W. HARRIS
3/28/2023
DocuSigned by: Thomas Harris F9EBC057AC1A4EF...

PROJECT NO. U-4424
EDGECOMBE COUNTY
STATION: 66+24.84 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE WIDENING OVER US 64 (-US64-) ON NC 111 (-L-) BETWEEN NC 122 AND SR 1351

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

3/28/2023
J:\188771-06 NCDOT NC 111\U-4424\Structures\Drafting\DGNs\401_007_U4424_SMU_GD3_003.dgn