



LOCATION SKETCH

TOTAL BILL OF MATERIAL

	4'-0" DRILLED PIER IN SOIL	4'-0" DRILLED PIER IN NOT SOIL	CSL TESTING	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS, STATION 26+65.52 -Y3-	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL
	LIN. FT.	LIN. FT.	EACH	SQ. FT.	SQ. FT.	CU. YD.	LUMP SUM	LBS.	LBS.
SUPERSTRUCTURE				20,818	22,578		LUMP SUM		
END BENT 1						78.4		9,410	
BENT 1	50.0	50.0	1			117.9		35,874	5,848
END BENT 2						78.3		9,313	
TOTAL	50.0	50.0	1	20,818	22,578	274.6	LUMP SUM	54,597	5,848

	MODIFIED 72" PRESTRESSED CONCRETE GIRDERS	PILE DRIVING EQUIPMENT SET UP FOR HP 14x73 STEEL PILES	HP 14x73 STEEL PILES	TWO BAR METAL RAIL	VERTICAL CONCRETE BARRIER RAIL	1'-2" x 2'-6" CONCRETE PARAPET	4" SLOPE PROTECTION	ELASTOMERIC BEARINGS
	NO. LIN. FT.	EACH	NO. LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	SQ. YD.	LUMP SUM
SUPERSTRUCTURE	20 2,254.90			496.77	277.14	504.55		LUMP SUM
END BENT 1		15	15	375			954	
BENT 1								
END BENT 2		15	15	565			479	
TOTAL	20 2,254.90	30	30	940	496.77	277.14	1,433	LUMP SUM

NOTES:

- ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.
- THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
- THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.
- 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.
- PRESTRESSED CONCRETE DECK PANELS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.
- 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.
- THE CLASS AA CONCRETE IN THE BRIDGE DECK SHALL CONTAIN FLY ASH OR GROUND GRANULATED BLAST FURNACE SLAG AT THE SUBSTITUTION RATE SPECIFIED IN ARTICLE 1024-1 AND IN ACCORDANCE WITH ARTICLES 1024-5 AND 1024-6 OF THE STANDARD SPECIFICATIONS. NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION AS IT IS CONSIDERED INCIDENTAL TO THE COST OF THE REINFORCED CONCRETE DECK SLAB.
- FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.
- FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.
- WORK SHALL NOT BE STARTED ON END BENT 1 OR BENT 1 UNTIL ROADWAY SECTION HAS BEEN EXCAVATED.

PROJECT NO. R-2233BB
RUTHERFORD COUNTY
 STATION: 26+65.52 -Y3-

SHEET 4 OF 4

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 FOR BRIDGE ON US 64
 OVER US 221 RUTHERFORDTON BYPASS
 BETWEEN US 221 AND US 74 ALT.

333 FAYETTEVILLE STREET, SUITE 500
 RALEIGH, NC 27601
 NC LICENSE NO. C-2979

DocuSigned by:
Jason R Doughty
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S4-4
1			3			TOTAL SHEETS 45
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DESIGNED BY: J. BORUTA DATE: JULY 2019
 DRAWN BY: K. WHITE DATE: MAY 2019
 CHECKED BY: B. LOFLIN DATE: SEPT 2019
 DESIGN ENGINEER OF RECORD: J. DOUGHTY DATE: NOV 2019

4/22/2020
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