

ERIAL									
SIFIED TURE ATION	REINF. CONC.DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINF. STEEL	SPIRAL COLUMN REINF. STEEL			
	SF	SF	CY	LS	LB	LB			
	21,981	20,865		LS					
			185.8		21,505				
			183.1		51,631	13,759			
			202.6		54,451	15,190			
			180.8		22,054				
	21,981	20,865	752.3	LS	149,641	28,949			

RIAL ———								
'-3" TE T	90″CHAIN LINK FENCE	4″SLOPE PROTECTION	ELASTOMERIC BEARINGS	STRIP SEAL EXP. JOINT	ARCHITECTURAL CONCRETE SURFACE TREATMENT	APPLICATION OF BRIDGE COATING		
	LF	SY	LS	LS	SF	SF		
	524.92		LS	LS	3450	3450		
		955						
		1075						
	524.92	2030	LS	LS	3450	3450		

SAMPLE BAR REPLACEMENT				
SIZE	LENGTH			
#3	6'-2″			
#4	7'-4″			
#5	8'-6"			
#6	9′-8″			
#7	10'-10″			
#8	12'-0″			
#9	13'-2″			
#10	14'-6″			
#11	15′-10″			

NOTES:

B-5869 PROJECT NO. _ BURKE COUNTY STATION: 21+62.39 -L-REPLACES BRIDGE #99 SHEET 3 OF 4 MILE POST 80.1 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH GENERAL DRAWING FOR BRIDGE ON US64/US 70 (W. FLEMING DR.) OVER NORFOLK SOUTHERN RR SEAL 023908 BETWEEN ASHEVILLE ST. TO NGINEER AND BURKEMONT AVE. 5640 Dillard Drive, Suite 200 Cary, NC 27518 A. AVERE SHEET NO. REVISIONS 3/23/2023 | 5:11 AM

ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING. ALL PAVEMENT MARKING WILL BE IN ACCORDANCE WITH THE PAVEMENT MARKING PLANS. THE CLASS AA CONCRETE IN THE BRIDGE DECK SHALL CONTAIN FLY ASH OR GROUND GRANULATED BLAST FURNACE SLAG AT STATION 21+62.39." STRUCTURE IS PRESENTLY NOT POSTED FOR LOAD LIMIT. SHOULD THE STRUCTURAL INTEGRITY OF THE BRIDGE DETERIORATE DURING CONSTRUCTION OF THE PROPOSED BRIDGE, A LOAD LIMIT MAY BE POSTED AND MAY BE REDUCED WORK SHALL NOT BE STARTED ON THIS BRIDGE (OR SPECIFIC PARTS OF BRIDGE) UNTIL ROADWAY SECTION

THIS BRIDGE 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 SHEET SN. 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. 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 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. THE SUBSTRUCTURE OF THE EXISTING BRIDGE INDICATED ON THE PLANS IS FROM THE BEST INFORMATION AVAILABLE. 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. THE CONTRACTOR SHALL PROVIDE INDEPENDENT ASSURANCE SAMPLES OF REINFORCING STEEL AS FOLLOWS: FOR PROJECTS REQUIRING UP TO 400 TONS OF REINFORCING STEEL, ONE 30 INCH SAMPLE OF EACH SIZE BAR USED, AND FOR PROJECTS REQUIRING OVER 400 TONS OF REINFORCING STEEL, TWO 30 INCH SAMPLES OF EACH SIZE BAR USED. THE SAMPLE BARS SHOULD COME FROM STEEL ACTUALLY USED IN THE PROJECT AND THE SAMPLE BARS SHOULD BE REPLACED BY SPLICED BARS AS SPECIFIED IN THE SAMPLE BAR REPLACEMENT CHART. PAYMENT FOR THE SAMPLE BARS AND REPLACEMENT REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS. INASMUCH AS THE PAINT SYSTEM ON THE EXISTING STRUCTURAL STEEL CONTAINS LEAD, THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLE 107-1 OF THE STANDARD SPECIFICATIONS. ANY COSTS RESULTING FROM COMPLIANCE WITH APPLICABLE STATE OR FEDERAL REGULATIONS PERTAINING TO HANDLING OF MATERIALS CONTAINING LEAD BASED PAINT SHALL BE INCLUDED IN THE BID PRICE FOR "REMOVAL OF EXISTING STRUCTURE THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA ON SHEET S-1 SHALL BE EXCAVATED FOR A DISTANCE OF 42 FT LEFT AND 48 FT RIGHT EACH SIDE OF CENTERLINE ROADWAY AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR UNCLASSIFIED STRUCTURE EXCAVATION. SEE SECTION 412 OF THE STANDARD SPECIFICATIONS. AFTER SERVING AS A TEMPORARY STRUCTURE, THE EXISTING STRUCTURE CONSISTING OF 2 SPANS AT 32'-6" AND 3 SPANS AT 42'-6" SHALL BE REMOVED. THE SUPERSTRUCTURE HAS A CLEAR ROADWAY WIDTH OF 64'-0" WITH REINFORCED CONCRETE DECK ON I BEAMS. END BENT 1, BENT 2, BENT 3, AND END BENT 2 CONSIST OF REINFORCED CONCRETE CAPS ON H-PILES. BENT 1 AND BENT 4 CONSIST OF REINFORCED CONCRETE CAPS ON H-PILES WITH FULL CONCRETE ENCASEMENT. THE EXISTING BRIDGE IS LOCATED EAST OF THE PROPOSED STRUCTURE. THE EXISTING AS FOUND NECESSARY DURING THE LIFE OF THE PROJECT. EXISTING PILES AT BENT 4 SHALL BE REMOVED IN ENTIRETY AS DIRECTED BY THE ENGINEER TO AVOID INTERFERENCE WITH PROPOSED DRILLED PIERS AT BENT 2. FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS. FOR ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND RENOVATION ACTIVITIES, SEE SPECIAL PROVISIONS. THE RAILROAD TRACK TOP OF RAIL ELEVATIONS ON THE PLANS ARE FROM THE BEST INFORMATION AVAILABLE. PRIOR TO BEGINNING BRIDGE CONSTRUCTION, VERIFY THE TOP OF RAIL ELEVATIONS AND REPORT ANY VARIATIONS TO THE ENGINEER. ANY PLAN REVISIONS NECESSARY TO ACHIEVE THE REQUIRED MINIMUM CLEARANCE WILL BE PROVIDED BY THE DEPARTMENT. HAS BEEN EXCAVATED. THE CONTRACTOR WILL BE REQUIRED TO CONSTRUCT, MAINTAIN AND AFTERWARD REMOVE A TEMPORARY STRUCTURE AT STATION 21+62.39 -L- FOR USE DURING CONSTRUCTION OF THE PROPOSED STRUCTURE, FOR CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY STRUCTURE, SEE SPECIAL PROVISIONS. FOR ARCHITECTURAL CONCRETE SURFACE TREATMENT SEE SPECIAL PROVISIONS. FOR APPLICATION OF BRIDGE COATING, SEE SPECIAL PROVISIONS.



LICENSURE NO. C-4434 NO. BY: S-4 BY: DATE: DATE:

SHEETS

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