

ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING. NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER. THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 50W AND PAINTED IN ACCORDANCE WITH SYSTEM 4 OF ARTICLE 442-8 OF THE STANDARD THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1. SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS. THE CLASS AA CONCRETE IN THE BRIDGE DECK SHALL CONTAIN FLY ASH OR GROUND GRANULATED BLAST FURNACE SLAG AT THE SUBSTITUTION RATE SPECIFIED FOR OTHER DATA AND GENERAL NOTES, SEE SHEET SN. IN ARTICLE 1024-1 AND IN ACCORDANCE WITH ARTICLES 1024-5 AND 1024-6 OF FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS. THE STANDARD SPECIFICATIONS. NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION AS IT IS CONSIDERED INCIDENTAL TO THE COST OF THE FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS. REINFORCED CONCRETE DECK SLAB. FOR CRANE SAFETY, SEE SPECIAL PROVISIONS. FOR LIMITS OF TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC. SEE TRAFFIC CONTROL PLANS. FOR PAY ITEM FOR TEMPORARY SHORING FOR FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS. MAINTENANCE OF TRAFFIC, SEE ROADWAY PLANS. THE CONTRACTOR SHALL PROVIDE INDEPENDENT ASSURANCE SAMPLES OF REINFORCING STEEL AS FOLLOWS: FOR PROJECTS REQUIRING UP TO 400 TONS OF REINFORCING THE EXISTING STRUCTURE CONSISTING OF 6 SPANS: 1 @ 49', 1 @ 47'-6", 1 @ STEEL, ONE 30 INCH SAMPLE OF EACH SIZE BAR USED, AND FOR PROJECTS 45'-6",1 @ 36',1 @ 42', & 1 @ 40'-6", WITH A CLEAR ROADWAY OF 34.2' AND REQUIRING OVER 400 TONS OF REINFORCING STEEL, TWO 30 INCH SAMPLES OF EACH SIZE BAR USED. THE BARS FROM WHICH THE SAMPLES ARE TAKEN MUST REINFORCED CONCRETE DECK GIRDERS ON REINFORCED CONCRETE CAPS ON H-PILE END BENTS AND REINFORCED CONCRETE CAPS ON CONCRETE ENCASED H-PILE BENTS AND REINFORCED CONCRETE POST AND BEAM BENTS AND LOCATED SOUTH OF THE THEN BE SPLICED WITH REPLACEMENT BARS OF THE SIZE AND LENGTH OF THE EXISTING BRIDGE SHALL BE REMOVED. THE EXISTING BRIDGE IS POSTED FOR LOAD SAMPLE PLUS A MINIMUM LAP SPLICE OF THIRTY BAR DIAMETERS. PAYMENT FOR THE SAMPLES OF REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO LIMIT. SHOULD THE STRUCTURAL INTEGRITY OF THE BRIDGE DETERIORATE DURING CONSTRUCTION, THE LOAD LIMIT MAY BE REDUCED AS FOUND NECESSARY VARIOUS PAY ITEMS. DURING THE LIFE OF THE PROJECT. THE ELEVATIONS AND CLEARANCES SHOWN ON THE PLANS AT THE POINTS OF MINIMUM VERTICAL CLEARANCE ARE FROM THE BEST INFORMATION AVAILABLE. THE SUBSTRUCTURE OF THE EXISTING BRIDGE IN THE PLANS IS FROM THE BEST INFORMATION AVAILABLE. SINCE THIS INFORMATION IS SHOWN FOR THE PRIOR TO BEGINNING BRIDGE CONSTRUCTION, VERIFY THE ELEVATIONS ON THE CONVENIENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL HAVE NO CLAIM EXISTING PAVEMENT AND CHECK THE CLEARANCE. REPORT ANY VARIATIONS TO THE WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS ENGINEER. ANY PLAN REVISIONS NECESSARY TO ACHIEVE THE REQUIRED MINIMUM VERTICAL CLEARANCE WILL BE PROVIDED BY THE DEPARTMENT. OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THE EXISTING BRIDGE SUBSTRUCTURE SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE FOR MAINTENANCE AND PROTECTION OF TRAFFIC BENEATH THE PROPOSED STRUCTURE. PROJECT SITE. SEE SPECIAL PROVISIONS. REMOVAL OF THE EXISTING BRIDGE SHALL BE PERFORMED IN A MANNER THAT PREVENTS DEBRIS FROM FALLING INTO THE WATER. THE CONTRACTOR SHALL REMOVABLE FORMS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS. SUBMIT DEMOLITION PLANS FOR REVIEW AND REMOVE THE BRIDGE IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.

DRAWN BY :	K.W. ALFORD	DATE	: .	2/2016
CHECKED BY :	T.L. AVERETTE	DATE	:	2/2016

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LONG CHORD LAYOUT

NOTES

REMOVAL OF THE EXISTING SUBSTRUCTURE SHALL BE AS FOLLOWS: BENT 1 SHALL BE REMOVED TO 2'-3' BELOW THE FINISHED GRADE, BENT 4 SHALL BE REMOVED TO FLUSH WITH THE EXISTING CONCRETE LINED CHANNEL, AND BENT 5 SHALL BE REMOVED TO FLUSH WITH THE NATURAL GROUND. PILES AT ALL REMAINING BENTS SHALL BE PULLED AND REMOVED IN THEIR ENTIRETY. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH "HEC 18 -EVALUATING SCOUR AT BRIDGES". THE LOCATION OF THE CONSTRUCTION JOINT IN THE DRILLED PIERS IS BASED ON AN APPROXIMATE GROUND LINE ELEVATION. IF THE CONSTRUCTION JOINT IS ABOVE THE ACTUAL GROUND ELEVATION, THE CONTRACTOR SHALL PUT THE CONSTRUCTION JOINT 1 FT. BELOW THE GROUND LINE. FOR PLACING LOAD ON STRUCTURE MEMBERS. SEE SPECIAL PROVISIONS. PROJECT NO. <u>B-5121/B-5317</u> FOR ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND RENOVATION ACTIVITIES, SEE SPECIAL PROVISIONS. WAKE COUNTY FOR DECORATIVE CONCRETE PARAPET, SEE SPECIAL PROVISIONS. STATION: 20+19.94 -FLYOVER-FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS. FOR PRECAST PANELS, SEE SPECIAL PROVISIONS. SHEET 3 OF 4 FOR ARCHITECTURAL METAL FASCIA, SEE SPECIAL PROVISIONS. STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SESSION GENERAL DRAWING SEAL 29441 TA ACINEE FOR BRIDGE ON WADE AVE. (US 70 / NC 50) OVER CAPITAL BLVD.& ocuSigned b PIGEON HOUSE BRANCH tut 3. W. alford 6/3/2016 SHEET NO. REVISIONS S-46 DATE: DATE: IO. BY: BY: DOCUMENT NOT CONSIDERED TOTAL SHEETS FINAL UNLESS ALL SIGNATURES COMPLETED 110 STR. #2



P.I. STA. 20+93.23 -FLYOVER-△ = 49°-47'-19.3"(LT) D = 13°-28'-52.9" L = 369.32' T = 197.23' R = 425.00'

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