

GENERAL 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 OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

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.

THE ELEVATIONS AND CLEARANCES SHOWN ON THE PLANS AT THE POINTS 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.

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.

INASMUCH 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 AT STATION 42+56.82 -Y1- AND STATION 17+07.50 -Y2-.

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

THE EXISTING STRUCTURE, CONSISTING OF 4 SPANS: 1 @ 42.5', 1 @ 66', 1 @ 60.5' & 1 @ 42.5'; 41.08' CLEAR ROADWAY WIDTH AND A $7\frac{1}{4}$ REINFORCED CONCRETE DECK WITH A 4" ASPHALT WEARING SURFACE ON I-BEAMS; AND END BENTS CONSISTING OF REINFORCED CONCRETE CAP WITH STEEL PILES AT END BENT 1, SPREAD FOOTINGS AT END BENT 2, AND INTERIOR BENTS CONSISTING OF REINFORCED CONCRETE POST AND BEAM COLUMNS ON PILE FOOTINGS AND LOCATED AT AND EAST OF THE PROPOSED BRIDGE SHALL BE REMOVED. THE EXISTING BRIDGE 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 AS FOUND NECESSARY DURING THE LIFE OF THE PROJECT.

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.

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

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

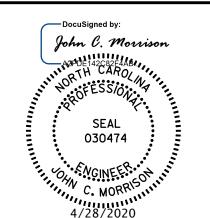
TOTAL BILL OF MATERIAL																						
	REMOVAL OF EXISTING STRUCTURE AT STA. 42+56.82 -Y1-	STRUCTURE		FOUNDATION EXCAVATION FOR BENT 1	PDA TESTING	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	63″ PF	DDIFIED RESTRESSED DNCRETE IRDERS	PILE DRIVING EQUIPMENT SETUP FOR HP12x53 STEEL PILES	HI STEE	P12X53 EL PILES	STEEL PILE POINTS	CONCRETE BARRIER RAIL	4"SLOPE PROTECTION	ELASTOMERIC BEARINGS	FIBER OPTIC CONDUIT SYSTEM WITH HANGERS	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	EACH	SQ.FT.	SQ.FT.	CU. YDS.	LUMP SUM	LBS.	LBS.	NO.	LIN.FT.	EA.	NO.	LIN.FT.	EACH	LIN.FT.	SQ. YDS.	LUMP SUM	LIN.FT.	EA.
SUPERSTRUCTURE						11,343	12,011					10	1143.33					461			284	
END BENT 1								47.2		7,418				9	9	495			206			
BENT 1								91.5		17,063	1,679			24	24	720	24					
END BENT 2								47.0		7,441				9	9	585			191			
TOTAL	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	2	11,343	12,011	185.7	LUMP SUM	31,922	1,679	10	1143.33	42	42	1800	24	461	397	LUMP SUM	284	2

SAMPLE BAR REPLACEMENT SIZE | LENGTH | SIZE | LENGTH #8 #9 #10 14'-6" 8′-6″ #11 15′-10′ 9′-8″ 10'-10'

30" (SAMPLE LENGTH) PLUS TWO SPLICE

SAMPLE BAR REPLACEMENT FOR FEDERAL AID PROJECTS

AECOM AECOM TECHNICAL SERVICES OF NC, INC. 01 CORPORATE CENTER DRIVE, SUITE 475 RALEIGH, NC 27607 (919) 854-6200 www.aecom.com AECOM License No. F-0342



DOCUMENT NOT CONSIDERE

FINAL UNLESS ALL

SIGNATURES COMPLETED

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
RALEIGH

NASH

PROJECT NO.

STATION:

SHEET 3 OF 3

B-5980

42+56.82 -Y1-

COUNTY

GENERAL DRAWING BÉTWEEN SR 15 & NC 4 / NC

		SHEET NO.				
0.	BY:	DATE:	NO.	BY:	DATE:	S-03
]			®			TOTAL SHEETS
2			4			34

NOTE: SAMPLE BAR REPLACEMENT LENGHTS BASED ON LENGTHS AND f = 60 ksi.

DRAWN BY : T.B. STUMP CHECKED BY : J.C. MORRISON DATE : 1/2019 DESIGNED BY : T.B. STUMP __ DATE : <u>|/2019</u> DESIGN CHECKED BY : J.C. MORRISON DATE : 1/2019