

	TOTAL BILL OF MATERIAL											
	CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY ACCESS AT STATION 390+15.00 -L-	PDA TESTING	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION 390+15.00 -L-	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS AA CONCRETE	BRIDGE APPROACH SLABS, STATION 390+15.00 -L-	EPOXY COATED REINFORCING STEEL	СО	54″ STRESSED NCRETE IRDERS	PILE DRIVINO SETUP FOR 24" PRESTRESSED CONCRETE PILES	
	LUMP SUM	EACH	LUMP SUM	SQ.FT.	SQ.FT.	CU.YDS.	LUMP SUM	LBS.	NO.	L.F.	EACH	
SUPERSTRUCTURE	—	—	—	10,091	9,711	—	LUMP SUM	—	12	1,227.50	—	
END BENT 1						40.6		6,423	_	—		
BENT 1						18.4		3,254	_	—	6	
BENT 2						18.4		3,254	_	—	6	
END BENT 2	—		—			40.3	—	6,394	—	—		
TOTAL	LUMP SUM	2	LUMP SUM	10,091	9,711	117.7	LUMP SUM	19,325	12	1,227.50	12	

	TOTAL BILL OF MATERIAL												
		PILE DRIVING EQUIPMENT SETUP FOR HP 12×53 STEEL PILES	24" PRESTRESSED CONCRETE PTLES		HP 12×53 STEEL PILES		PILE REDRIVES	TWO BAR METAL RAIL	1'-2" x 2'-6" CONCRETE PARAPET	RIPRAP CLASS II (2'-O" THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STATION 390+15.00 -L-
		EACH	NO.	L.F.	NO.	L.F.	EACH	L.F.	L.F.	TONS	SQ.YD.	LUMP SUM	LUMP SUM
SUPERST	FRUCTURE	—	-		—	_		604.38	619.38			LUMP SUM	
END BEN	NT 1	7	_		7	525	7			415	460		
BENT 1		—	6	630	_	_	6						
BENT 2		—	6	630	_	_	6			_			
END BEN	NT 2	7	_	_	7	560	7	—		405	450		—
TOTAL		14	12	1,260	14	1,085	26	604.38	619.38	820	910	LUMP SUM	LUMP SUM

## <u>GENERAL NOTES</u>

ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.

THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AAS 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 PROVISION

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

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

PRESTRESSED CONCRETE DECK PANELS SHALL BE USED FOR THE D METAL STAY-IN-PLACE FORMS SHALL NOT BE PERMITTED IN THIS PROJECT.

ALL METALLIZED SURFACES SHALL RECEIVE A SEAL COATING AS SPECIFIED IN TABLE 2 OF THE DEPARTMENTS THERMAL SPRAYED (METALLIZATION) PROGRAM. FOR THERMAL SPRAYED COATINGS, SEE PROVISIONS.

CLASS AA CONCRETE SHALL BE USED IN ALL CAST-IN-PLACE BEN AND PILE CAPS AND SHALL CONTAIN CALCIUM NITRITE CORROST INHIBITOR.

THE CONTRACTOR SHALL PROVIDE INDEPENDENT ASSURANCE SAMPLE REINFORCING STEEL AS FOLLOWS: FOR PROJECTS REQUIRING UP TONS OF REINFORCING STEEL, ONE 30 INCH SAMPLE OF EACH SIZ USED, AND FOR PROJECTS REQUIRING OVER 400 TONS OF REINFO STEEL, TWO 30 INCH SAMPLES OF EACH SIZE BAR USED. THE SAMPLE SHOULD COME FROM STEEL ACTUALLY USED IN THE PROJECT AND SAMPLE BARS SHOULD BE REPLACED BY SPLICED BARS AS SPECIF THE SAMPLE BAR REPLACEMENT CHART. PAYMENT FOR THE SAMPLE AND REPLACEMENT REINFORCING STEEL SHALL BE CONSIDERED IN TO VARIOUS PAY ITEMS.

PRESTRESSED CONCRETE GIRDERS ARE DESIGNED FOR O PSI TENS THE PRECOMPRESSED TENSILE ZONE UNDER ALL LOADING CONDITI

PRECAST PANELS SHALL BE DESIGNED FOR AN ALLOWABLE TENSIL OF O PSI IN THE PRECOMPRESSED TENSILE ZONE UNDER ALL LO. CONDITIONS.

THE WATER/CEMENT RATIO FOR CONCRETE PILES SHALL NOT EXC

ALL BAR SUPPORTS USED IN THE PARAPET, DECK, BENT CAPS, PIL FOOTINGS AND ALL INCIDENTAL REINFORCING STEEL SHALL BE E COATED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

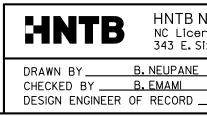
PRESTRESSED CONCRETE GIRDERS, PRECAST DECK PANELS, AND PIL CONTAIN CALCIUM NITRITE CORROSION INHIBITOR.

THE CONCRETE IN THE PILES OF BENT NO.1 AND 2 SHALL CONTA FUME.SILICA FUME SHALL BE SUBSTITUTED FOR 5% OF THE POR CEMENT BY WEIGHT. IF THE OPTION OF ARTICLE 1024-1 OF THE SPECIFICATIONS TO PARTIALLY SUBSTITUTE CLASS F FLY ASH PORTLAND CEMENT IS EXERCISED, THEN THE RATE OF FLY ASH SUBSTITUTION SHALL BE REDUCED TO 1.0 LB OF FLY ASH PER 1. CEMENT. NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION AS CONSIDERED INCIDENTAL TO THE VARIOUS PAY ITEMS.

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"						

NOTE:

SAMPLE BAR REPLACEMENT LENGTHS BASED ON 30"(SAMPLE LENGTH)PLUS TWO SPLICE LENGTHS AND fy = 60ksi.



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