

**GENERAL DRAWING 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 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.

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.

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 OF 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.

WORK SHALL NOT BE STARTED ON THIS BRIDGE (OR SPECIFIC PARTS OF BRIDGE) UNTIL ROADWAY SECTION HAS BEEN EXCAVATED.

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

**TOTAL BILL OF MATERIAL**

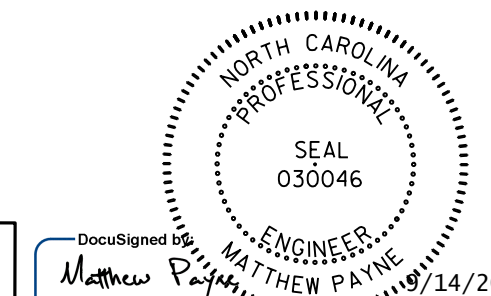
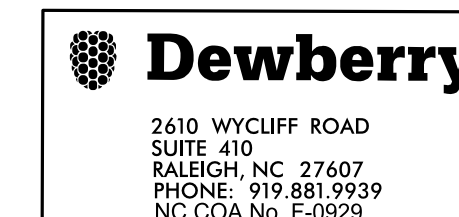
	PILE EXCAVATION NOT IN SOIL	3'-6" DIA. DRILLED PIER NOT IN SOIL	PDA TESTING	CSL TESTING	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL
	LIN. FT.	LIN. FT.	EA.	EA.	SQ. FT.	SQ. FT.	CU. YDS.	LUMP SUM	LBS.	LBS.
SUPERSTRUCTURE	-	-	-	-	9652	10,070	-	LUMP SUM		
END BENT NO. 1	48	-	-	-	-	-	32.9	-	4,353	
BENT NO. 1	-	33.8	-	-	-	-	39.8	-	11,025	1,643
END BENT NO. 2	-	-	-	-	-	-	32.9	-	4,353	
TOTAL	48	33.8	1	1	9652	10,070	105.6	LUMP SUM	19,731	1,643

**TOTAL BILL OF MATERIAL**

	MODIFIED 63" PRESTRESSED CONCRETE GIRDERS	PILE DRIVING EQUIPMENT SETUP FOR 14x73 STEEL PILES	HP 14 X 73 STEEL PILES	CONCRETE BARRIER RAIL	ARCHITECTURAL CONCRETE SURFACE TREATMENT	4" SLOPE PROTECTION	ELASTOMERIC BEARINGS		
	NO.	LIN. FT.	EA.	NO.	LIN. FT.	LIN. FT.	SQ. FT.	SQ. YDS.	LUMP SUM
SUPERSTRUCTURE	10	1097.71	-	-	-	641.2	623.2	-	LUMP SUM
END BENT NO. 1	-	-	9	9	234	-	-	17	-
BENT NO. 1	-	-	-	-	-	-	-	-	-
END BENT NO. 2	-	-	9	9	315	-	-	17	-
TOTAL	10	1097.71	18	18	549	641.2	623.2	34	LUMP SUM

DRAWN BY : JAE DATE : 8/21  
 CHECKED BY : ZHB DATE : 8/21  
 DESIGN ENGINEER OF RECORD: MTP DATE : 8/21

\*\*\*\*\*SYTIME\*\*\*\*\*  
 \*\*\*\*\*DGN\*\*\*\*\*  
 \*\*\*\*\*USER\*\*\*\*\*



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT NO. R-5737  
 DAVIDSON COUNTY  
 STATION: 61+02.86 -L-

SHEET 4 OF 5

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 GENERAL DRAWING  
 FOR BRIDGE ON US 29  
 OVER SR 1798 BETWEEN  
 SR 2123 AND SR 1874  
 (RIGHT BRIDGE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			25
2			4			