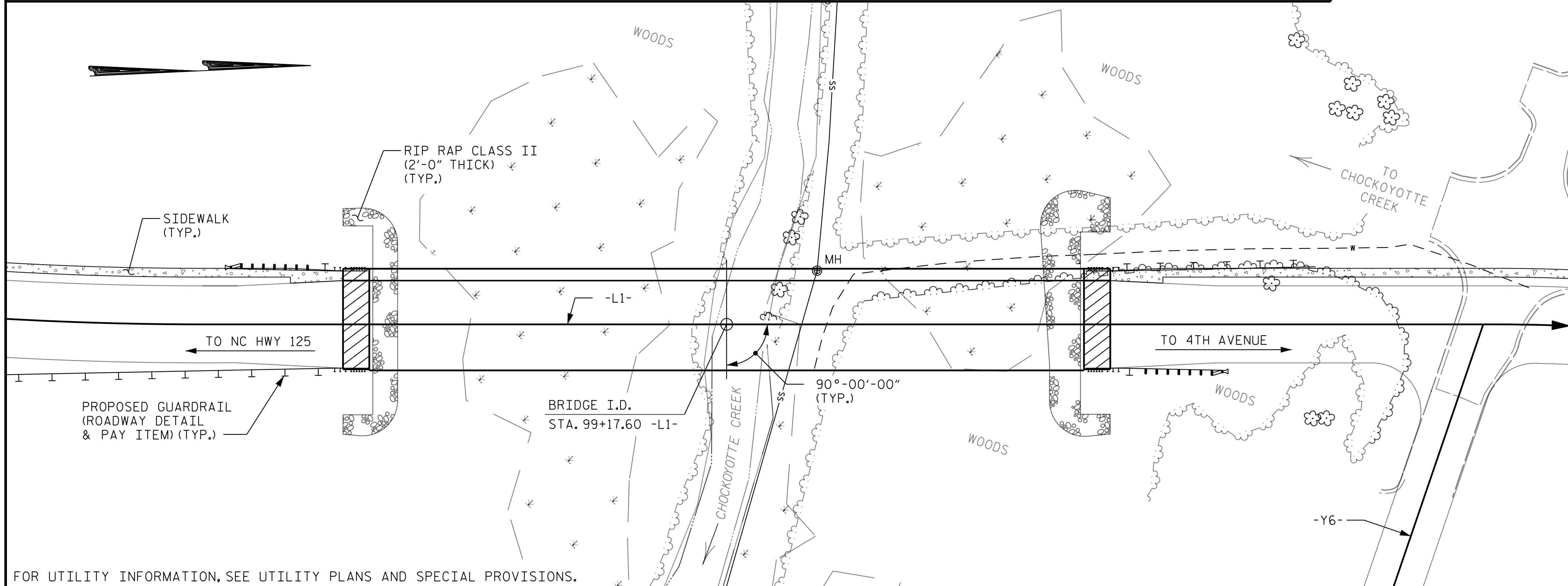


BM #5: BENCH TIE IN 6" PINE, 407' LT. OF STA. 96+20.92 -L1-, EL. 93.85'



FOR UTILITY INFORMATION, SEE UTILITY PLANS AND SPECIAL PROVISIONS.

LOCATION SKETCH

TOTAL BILL OF MATERIAL

	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA. 99+17.60 -L1-	4'-0" Ø DRILLED PIERS IN SOIL	4'-0" Ø DRILLED PIERS NOT IN SOIL	PERMANENT STEEL CASING FOR 4'-0" Ø DRILLED PIER	PDA TESTING	CSL TESTING	UNCLASSIFIED STRUCTURE EXCAVATION AT STA. 99+17.60 -L1-	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	54" PRESTRESSED CONCRETE GIRDERS
	LUMP SUM	LIN. FT.	LIN. FT.	LIN. FT.	EA.	EA.	LUMP SUM	SO. FT.	SO. FT.	CU. YDS.	LUMP SUM	LBS.	LBS.	NO. LIN. FT.
SUPERSTRUCTURE								23,682	20,458		LUMP SUM			30 2,423.5
END BENT 1										59.3		7,493		
BENT 1		21.8	28.0	22.8		1				48.0		12,272	1,822	
BENT 2		38.1	34.0	32.1		1				49.3		13,423	2,469	
BENT 3		62.0	29.0	33.0		1				50.5		14,404	3,017	
BENT 4		64.1	25.0	38.1		1				47.9		14,004	2,784	
END BENT 2										59.4		7,493		
TOTAL	LUMP SUM	186.0	116.0	126.0	1	4	LUMP SUM	23,682	20,458	314.4	LUMP SUM	69,089	10,092	30 2,423.5

TOTAL BILL OF MATERIAL (CONT'D.)

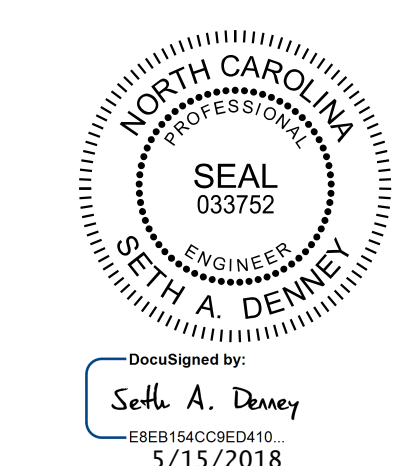
	PILE DRIVING EQUIPMENT SETUP FOR HP 14 X 73 STEEL PILES	HP 14 X 73 STEEL PILES	STEEL PILE POINTS	TWO BAR METAL RAIL	1'-2" X 2'-6" CONCRETE PARAPET	1'-2" X 3'-3" CONCRETE PARAPET	RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS	EXPANSION JOINT SEALS
	EA.	NO. LIN. FT.	NO.	LIN. FT.	LIN. FT.	LIN. FT.	TONS	SO. YDS.	LUMP SUM	LUMP SUM
SUPERSTRUCTURE					840.7	427.9	427.9		LUMP SUM	LUMP SUM
END BENT 1	8	8	180	8			260	289		
BENT 1										
BENT 2										
BENT 3										
BENT 4										
END BENT 2	8	8	220	8			337	374		
TOTAL	16	16	400	16	840.7	427.9	427.9	597	663	LUMP SUM

**HYDRAULIC DATA**

DESIGN DISCHARGE ----- 1600 C.F.S.  
 FREQUENCY OF DESIGN FLOOD ----- 50 YRS.  
 DESIGN HIGH WATER ELEVATION ----- 83.7 FT.  
 DRAINAGE AREA ----- 15.3 SQ. MI.  
 BASE DISCHARGE (Q100) ----- 1900 C.F.S.  
 BASE HIGH WATER ELEVATION ----- 84.0 FT.

**OVERTOPPING FLOOD DATA**

OVERTOPPING DISCHARGE ----- 47800 C.F.S.  
 FREQUENCY OF OVERTOPPING FLOOD --- >500 YRS.  
 OVERTOPPING FLOOD ELEVATION ----- 97.7 FT.  
 @ APPROX. STA. 96+14 -L1- @ SHOULDER POINT



**Kimley»Horn**

421 Fayetteville Street, Suite 600  
 Raleigh, NC 27601-1772  
 Phone (919) 677-2000 NC LICENSE # F-0102

PROJECT NO. R-3822  
HALIFAX COUNTY  
 STATION: 99+17.60 -L1-

SHEET 3 OF 3

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**GENERAL DRAWING**  
 FOR BRIDGE ON PREMIER BLVD.  
 EXTENSION OVER CHOCKOYOTTE CREEK  
 BETWEEN NC HWY 125 AND  
 4TH AVENUE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-3
1			3			TOTAL SHEETS
2			4			58

**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.

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.

THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA SHALL BE EXCAVATED FOR A DISTANCE OF 50 FT. LEFT AND 115 FT. RIGHT 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.

THE CONTRACTOR WILL BE REQUIRED TO CONSTRUCT, MAINTAIN AND AFTERWARDS REMOVE A TEMPORARY STRUCTURE AT STATION 99+17.60 -L1- FOR USE DURING CONSTRUCTION OF THE PROPOSED STRUCTURE. FOR CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY STRUCTURE, SEE SPECIAL PROVISIONS.

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH "HEC 18-EVALUATING SCOUR AT BRIDGES."

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

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 PLACE THE CONSTRUCTION JOINT 1 FT. BELOW THE GROUND LINE.

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.

5/14/2018 K:\BID Structures\Bridges\NC\01035352 - R-3822\cadd\Drawings\3822-SMU-G02\_410208.dgn

DRAWN BY: D. D. LOWERY DATE: 03/18  
 CHECKED BY: A. L. PHILLIPS DATE: 03/18  
 DESIGN ENGINEER OF RECORD: S. A. DENNEY DATE: 03/18

**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

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