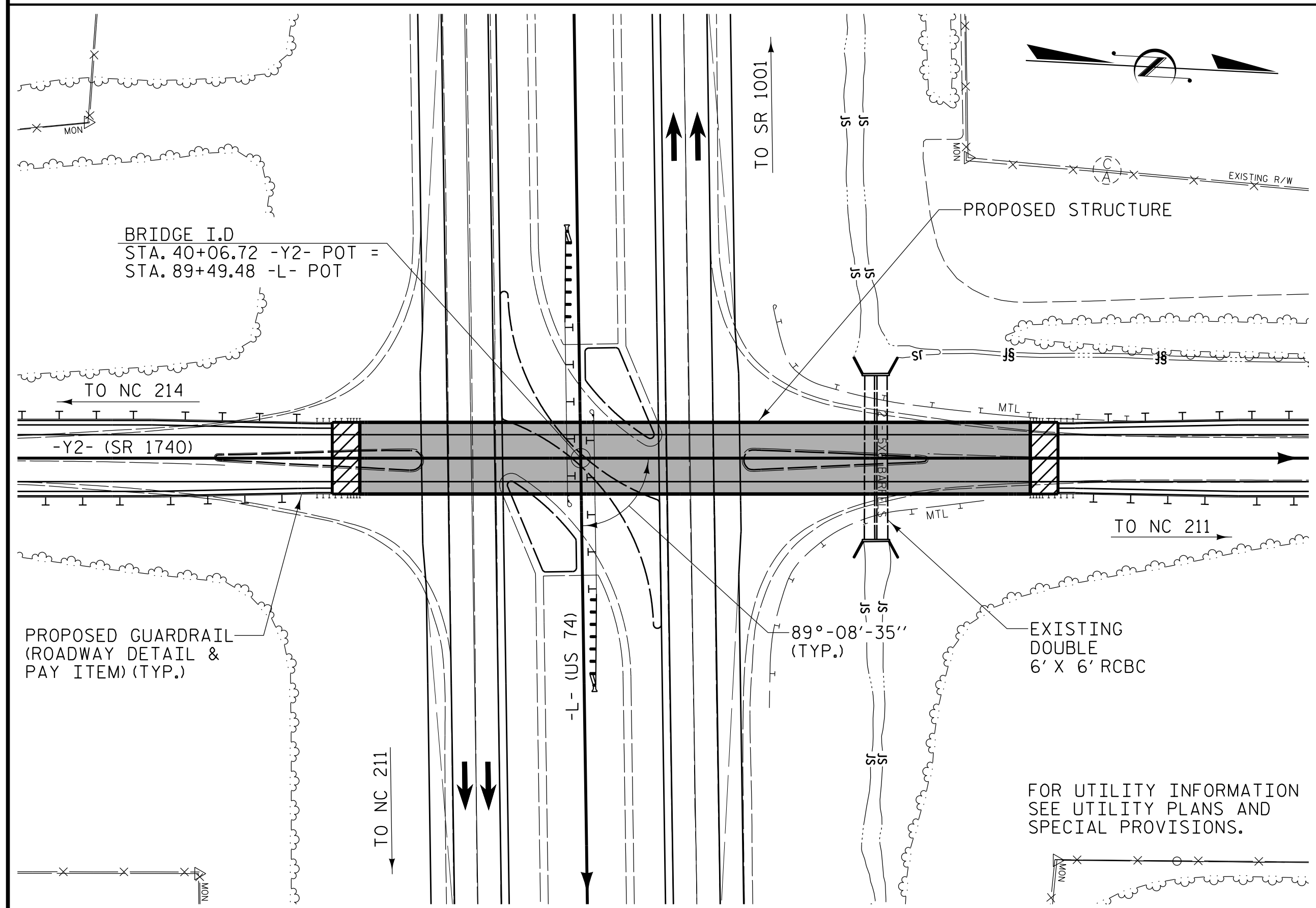


BM#9: NE CORNER OF LIGHT POLE BASE; 222.36' LT. STA. 59+92.36 -Y2- ELEV. 61.33



LOCATION SKETCH

NOTES

- ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.
 - THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENT OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
 - THIS BRIDGE IS LOCATED IN SEISMIC ZONE 2.
 - 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.
 - 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.
 - FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.
 - THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH 'HEC 18 - EVALUATING SCOUR AT BRIDGES.'
 - THE SCOUR CRITICAL ELEVATION FOR BENT NO. 2 IS ELEVATION 52.13. SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.
- | | |
|-----------------------------|---------|
| HYDRAULIC DATA: | |
| DESIGN DISCHARGE | 440 CFS |
| FREQUENCY OF DESIGN FLOOD | 25 YRS. |
| DESIGN HIGH WATER ELEVATION | 56.4 |
| BASE DISCHARGE | 768 CFS |
| BASE HIGH WATER ELEVATION | 57.7 |
-
- | | |
|--------------------------------|-----------|
| OVERTOPPING FLOOD DATA: | |
| OVERTOPPING DISCHARGE | 1344 CFS |
| FREQUENCY OF OVERTOPPING FLOOD | 500+ YRS. |
| OVERTOPPING FLOOD ELEVATION | * 59.0 |
- * OT AT SAG STA 51+54.60 -Y2-

TOTAL BILL OF MATERIAL

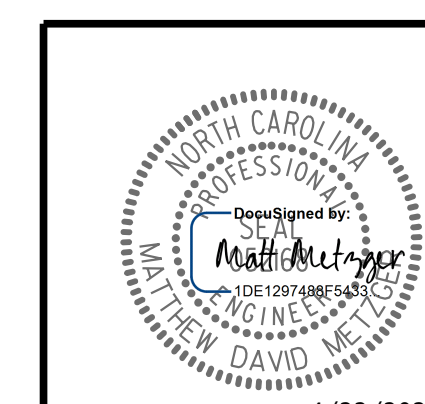
	REMOVAL OF EXISTING STRUCTURE	FOUNDATION EXCAVATION FOR BENT	PDA TESTING	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	MODIFIED 72" PRESTRESSED CONCRETE GIRDERS	PILE DRIVING EQUIPMENT SETUP FOR HP 14 X 73 STEEL PILES	HP 14 X 73 STEEL PILES		STEEL PILE POINTS	PILE REDRIVES	CONCRETE BARRIER RAIL	4" SLOPE PROTECTION	ELASTOMERIC BEARINGS
	LUMP SUM	LUMP SUM	EACH	SQ. FT.	SQ. FT.	CU. YDS.	LUMP SUM	LBS.	LBS.	NO. FEET	EACH	NO.	LIN. FT.	EACH	EACH	LIN. FT.	SQ. YDS.	LUMP SUM
SUPERSTRUCTURE				13658	12496		LUMP SUM			12 1362.33						684.33		LUMP SUM
END BENT 1						39.9		6141			8	8	696	8	4		337	
BENT 1		LUMP SUM				75.2		15259	2429		21	21	1596	21	8			
BENT 2		LUMP SUM				75.5		15294	2460		21	21	1596	21	8			
END BENT 2						39.9		6141			8	8	736	8	4		471	
TOTAL	LUMP SUM	LUMP SUM	2	13632	12475	230.5	LUMP SUM	42835	4889	12 1362.33	58	58	4624	58	24	684.33	808	LUMP SUM

PROJECT NO. R-5819
COLUMBUS COUNTY
 STATION: 40+06.72 -Y2- POT

SHEET 3 OF 4

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 FOR BRIDGE ON -Y2- (SR 1740)
 OVER -L- (US-74)
 BETWEEN NC 214 AND NC 211

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-3
1			3			TOTAL SHEETS
2			4			38



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY : W. B. ALLEN DATE : 4/21
 CHECKED BY : M. D. METZGER DATE : 1/22
 DESIGN ENGINEER OF RECORD: M. D. METZGER DATE : 1/22

4/22/2022 3:19:07 PM G:\Projects\2016\20160325\CLIENT\Structures\R-5819 -Y2-YR5819-SML\02-230422.dgn