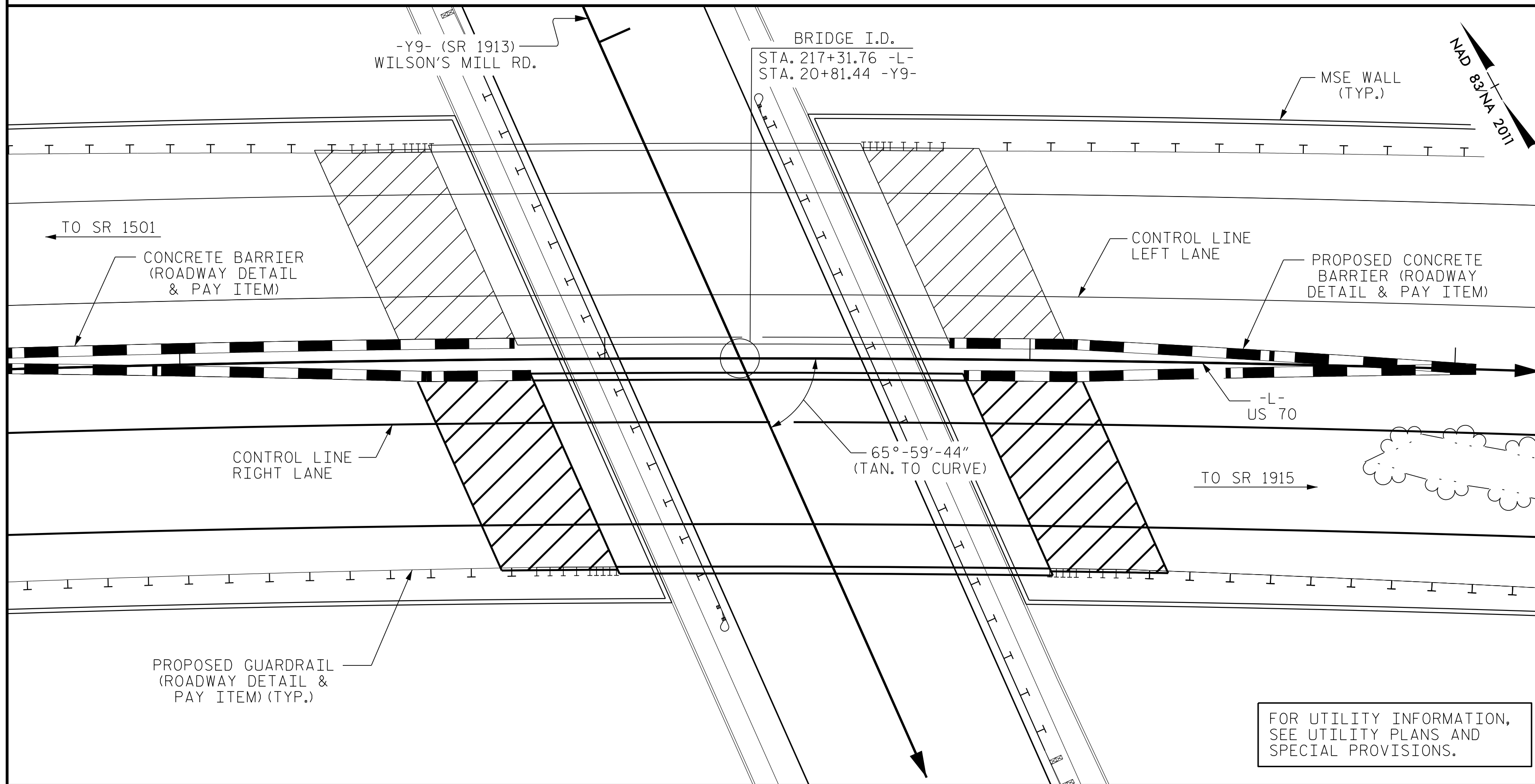


BM #14 - BENCH TIE NAIL SET IN 16" PINE, 205.18' LT OF -L- STA. 236+54.97, ELEV 196.34



LOCATION SKETCH

NOTES:

- ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.
- THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF 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 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.
- FOR MAINTENANCE AND PROTECTION OF TRAFFIC BENEATH PROPOSED STRUCTURE, SEE SPECIAL PROVISIONS.
- FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.
- FOR FOUNDATION LAYOUT SKETCH, SEE LEFT LANE STRUCTURE PLANS.

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 $f_y = 60\text{ksi}$.

TOTAL BILL OF MATERIAL									
	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	BRIDGE APPROACH SLABS	54" PRESTRESSED CONCRETE GIRDERS		CONCRETE BARRIER RAIL	4" SLOPE PROTECTION	ELASTOMERIC BEARINGS	FOAM JOINT SEALS
	SQ. FT.	SQ. FT.	LUMP SUM	No.	LIN. FT.	LIN. FT.	SQ. YDS.	LUMP SUM	LUMP SUM
SUPERSTRUCTURE	4,502	5,857	LUMP SUM	5	468.13	* 240.62		LUMP SUM	LUMP SUM
END BENT No. 1							15		
END BENT No. 2							15		
TOTAL	4,502	5,857	LUMP SUM	5	468.13	* 240.62	30	LUMP SUM	LUMP SUM

* CONTAINS THE ADDITIONAL LINEAR FEET OF CONCRETE BARRIER RAIL ON APPROACH SLABS

END BENT PAY ITEMS: PDA TESTING, CLASS A CONCRETE, REINFORCING STEEL, PILE DRIVING EQUIPMENT SET UP FOR HP 12 x 53 STEEL PILES AND HP 12 x 53 STEEL PILES, SEE GENERAL DRAWING (LEFT LANE) TOTAL BILL OF MATERIAL.

PROJECT NO. W-5600
JOHNSTON COUNTY
 STATION: 217+31.76 -L-

SHEET 3 OF 3

P:\2017\1712101\W-5600\USTO\Structures\DGN\L-over -Y9-DGN (RIGHT LANE)_WE I.dgn
 3/20/2019 8:52:22 AM

DRAWN BY : D. HODGE DATE : 1/18
 CHECKED BY : B.C. HUNT DATE : 6/18

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

ENGINEER OF RECORD:
 3/25/2019

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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 FOR RIGHT LANE BRIDGE
 ON US 70 OVER WILSON'S
 MILL RD. (SR 1913) BETWEEN
 SR 1501 AND SR 1915

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-3
1			3			TOTAL SHEETS
2			4			18