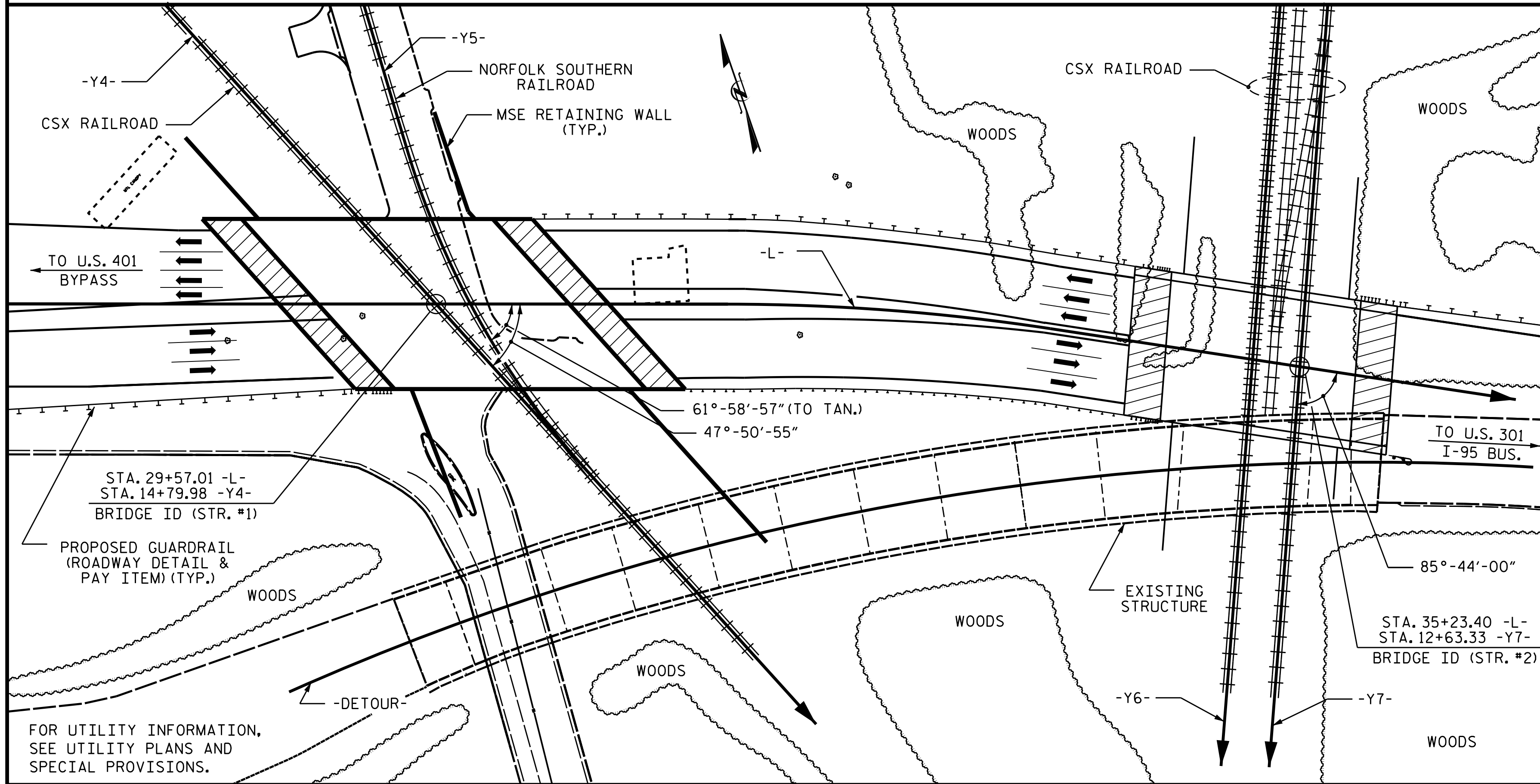
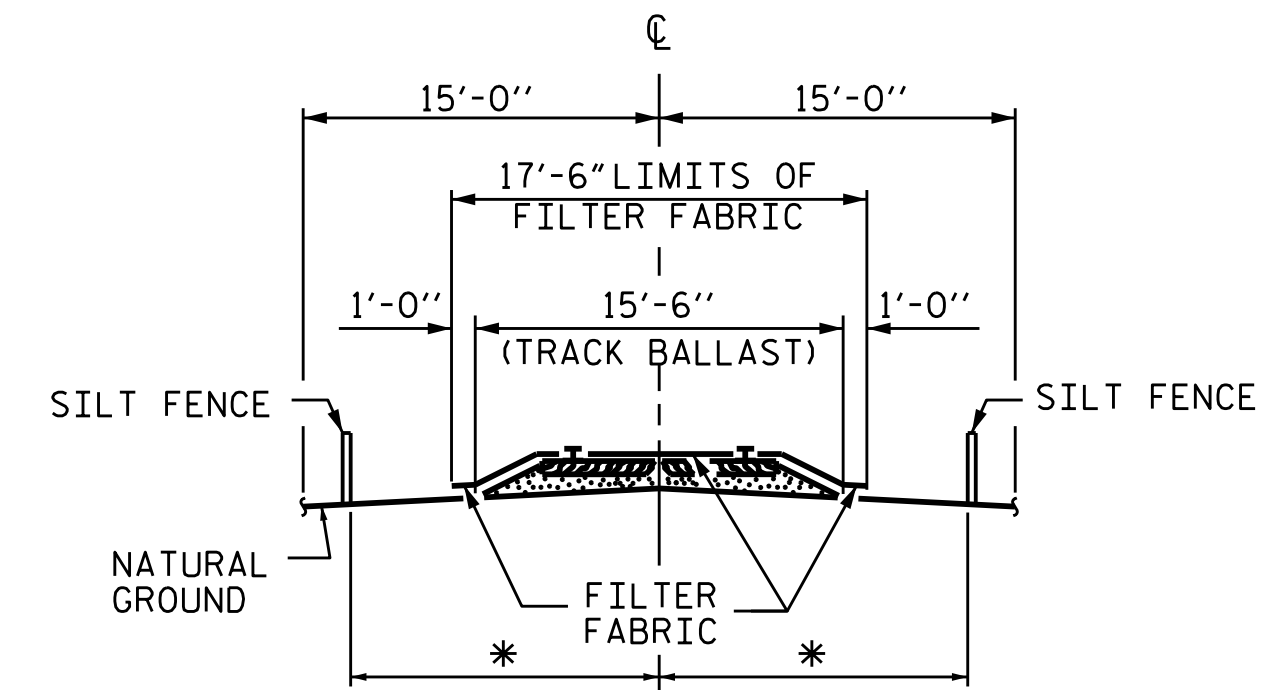


BENCHMARK 81: RAILROAD SPIKE IN BASE OF 18" HARDWOOD, 55.59' LEFT STATION 39+80.50 -L-, EL. 106.57



LOCATION SKETCH



RAILROAD EROSION CONTROL DETAIL

* TO BE DETERMINED BY THE RESIDENT ENGINEER IN CONSULTATION WITH THE RAILROAD ENGINEER.

NOTES:

- RAILROAD EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO PERFORMING ANY WORK IN THE RAILROAD RIGHT-OF-WAY.
- ADDITIONAL EROSION CONTROL MEASURES FOR PROTECTION OF RAILROAD DITCHES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
- NO SEPARATE PAYMENT WILL BE MADE FOR RAILROAD EROSION CONTROL MEASURES.
- LIMITS OF SILT FENCE AND FILTER FABRIC PARALLEL TO RAILROAD SHALL EXTEND A MINIMUM OF 25'-0" OUTSIDE EDGE OF SUPERSTRUCTURE OR TOE OF SLOPE ON CONSTRUCTION. A GREATER LENGTH OF SILT FENCE OR FILTER FABRIC MAY BE REQUIRED IF SO DIRECTED BY THE ENGINEER.
- FILTER FABRIC TO BE NAILED TO TIMBER RAIL TIES WITH PRIME SOURCE "GRIP CAP" OR EQUIVALENT. FILTER FABRIC ON SHOULDER TO BE SECURED AS DIRECTED BY THE ENGINEER AND RAILROAD.

TOTAL BILL OF MATERIAL

	REMOVAL OF EXISTING STRUCTURE	PDA TESTING	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	STRUCTURAL STEEL APPROX. 762500 LBS.	PAINTING OF STRUCTURAL STEEL	HP 12 X 53 STEEL PILES	PILE REDRIVES	TWO BAR METAL RAIL	1'-4" X 3'-0 1/2" CONCRETE PARAPET	1'-4" X 3'-3" CONCRETE PARAPET	
	LUMP SUM	EACH	SQ. FT.	SQ. FT.	CU. YDS.	LUMP SUM	LBS.	LUMP SUM	LUMP SUM	No.	LIN. FT.	EACH	LIN. FT.	LIN. FT.	LIN. FT.
SUPERSTRUCTURE	LUMP SUM		17502	15284		LUMP SUM		LUMP SUM	LUMP SUM			289.54	153.48	153.48	
END BENT 1					181.8		21965			24	1320	11			
END BENT 2					182.2		22330			24	1440	11			
TOTAL	LUMP SUM	2	17502	15284	364.0	LUMP SUM	44295	LUMP SUM	LUMP SUM	48	2760	22	289.54	153.48	153.48

TOTAL BILL OF MATERIAL

	4 INCH SLOPE PROTECTION	ELASTOMERIC BEARINGS	EXPANSION JOINT SEALS	APPLICATION OF BRIDGE COATING	ORNAMENTAL FENCE	ARCHITECTURAL CONCRETE SURFACE TREATMENT	ASBESTOS ASSESSMENT	AESTHETICALLY TREATED CONCRETE MEDIAN
	SQ. YDS.	LUMP SUM	LUMP SUM	LUMP SUM	LIN. FT.	SQ. FT.	LUMP SUM	SQ. FT.
SUPERSTRUCTURE		LUMP SUM	LUMP SUM	LUMP SUM	287.96	987.7		3452.4
END BENT 1	83							
END BENT 2	83							
TOTAL	166	LUMP SUM	LUMP SUM	LUMP SUM	287.96	987.7	LUMP SUM	3452.4

PROJECT NO. B-4490
CUMBERLAND COUNTY
 STATION: 29+57.01 -L-

SHEET 4 OF 4



DocuSigned by:
 Kristy W. Alford
 F24583906FA0E
 3/29/2016

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 GENERAL DRAWING
 FOR BRIDGE ON NC 24-210
 OVER CSX RAILROAD,
 NORFOLK SOUTHERN RAILROAD

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-4
1			3			TOTAL SHEETS 84
2			4			

DRAWN BY : J.P. ADAMS DATE : 8/2015
 CHECKED BY : T.L. AVERETTE DATE : 8/2015

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED