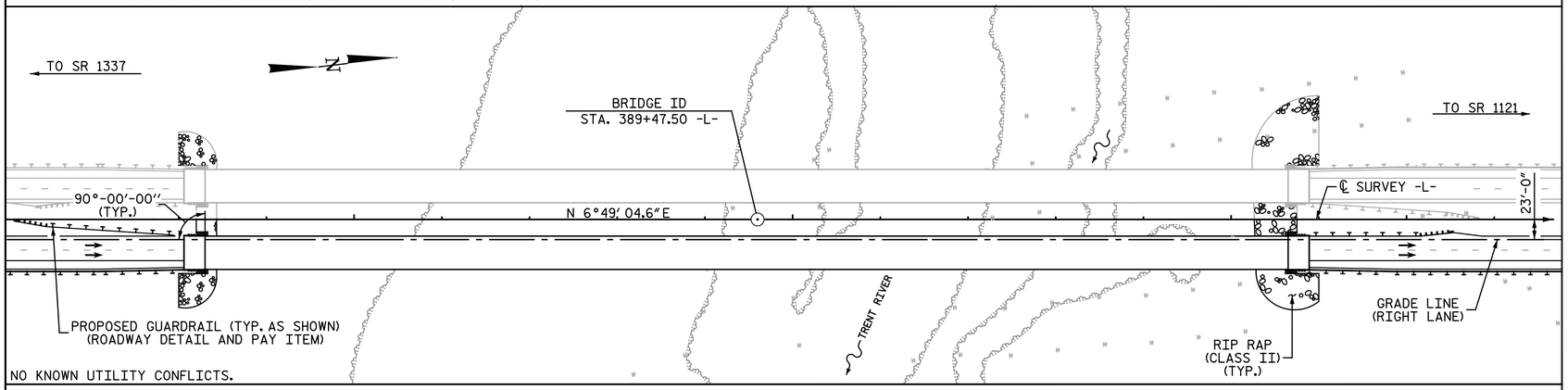
DocuSign Envelope ID: CFDBA962-5E03-4F8B-98B4-7FD1CCAD25D1

BM #20 - RR SPIKE SET IN 16"HARDWOOD, -L- STA. 394+12.00, 243.00' RT., ELEV. 3.92



NO KNOWN UTILITY CONFLICTS.

LOCATION SKETCH

TOTAL BILL OF MATERIAL

	PDA TESTING	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS STA. 389+47.50	REINFORCING STEEL	54" PRESTRESSED CONCRETE GIRDERS		12" PRESTRESSED CONCRETE PILES		PP 24 x 0.50 GALVANIZED STEEL PILES		PP 30 x 0.50 GALVANIZED STEEL PILES		PIPE PILE PLATES	PREDRILLING FOR PILES	PILE REDRIVES	CONCRETE BARRIER RAIL	RIP RAP CLASS II (2'-0"THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS	EXPANSION JOINT SEALS
	EA.	SQ. FT.	SQ. FT.	CU. YDS.	LUMP SUM	LBS.	NO.	LIN. FT.	NO.	LIN. FT.	NO.	LIN. FT.	NO.	LIN. FT.	EA.	LIN. FT.	EA.	LIN. FT.	TONS	SQ. YDS.	LUMP SUM	LUMP SUM
SUPERSTRUCTURE		50,857	44,691				65	6112.1										2,505.8				
END BENT 1				48.2		7,311			9	360							4		331	367		
BENT 1				26.6		4,839					7	315			7		4					
BENT 2				26.6		4,839					7	315			7		4					
BENT 3				26.6		4,839					7	315			7		4					
BENT 4				26.6		4,839					7	315			7		4					
BENT 5				26.6		4,839					7	315			7		4					
BENT 6				26.6		4,839					7	350			7		4					
BENT 7				26.6		4,839					7	420			7		4					
BENT 8				31.9		4,836							6	390	6		4					
BENT 9				31.9		4,836							6	390	6		4					
BENT 10				26.6		4,839					7	455			7		4					
BENT 11				26.6		4,839					7	455			7		4					
BENT 12				26.6		4,839					7	455			7		4					
END BENT 2				48.2		7,311			9	450							4		620	688		
CONTINGENCY																2580						
TOTAL	5	50,857	44,691	426.2	LUMP SUM	72,684	65	6112.1	18	810	70	3,710	12	780	82	2580	56	2,505.8	951	1055	LUMP SUM	LUMP SUM

NOTES:

ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING

FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.

THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

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

FOR INTERIOR BENTS 1 THRU 12, ONLY PARTIAL GALVANIZING OF THE PILES IS REQUIRED. SEE INTERIOR BENT SHEETS FOR REQUIRED GALVANIZED LENGTHS. PAYMENT FOR PARTIALLY GALVANIZED PILES WILL BE MADE UNDER THE CONTRACT UNIT PRICE FOR GALVANIZED STEEL PILES.

FOR SECURING OF VESSELS, 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.

FOR PLACING LOAD ON STRUCTURE MEMBERS, SEE SPECIAL PROVISIONS.

THE CONTRACTOR WILL BE REQUIRED TO CONSTRUCT, MAINTAIN AND AFTERWARDS REMOVE A TEMPORARY STRUCTURE AT STATION 389+47.50 -L- FOR USE DURING CONSTRUCTION OF THE PROPOSED STRUCTURE. FOR CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY STRUCTURE, SEE SPECIAL PROVISIONS. TEMPORARY STRUCTURE SHALL BE PAID FOR WITH THE LEFT LANE BRIDGE PAY ITEMS.

PROJECT NO. R-2514D

JONES COUNTY

STATION: 389+47.50 -L-

SHEET 5 OF 5

DRAWN BY : N. B. SPEAKS DATE : 7-12-13

CHECKED BY : A. M. HOUSTON DATE : 7-18-13

DWG. 5 OF 68

NORTH CAROLINA PROFESSIONAL SEAL 040769 ENGINEER ANDREW L. PHILLIPS

DocuSigned by: Andrew Phillips 5752848F5064459... 3/13/2015

NORTH CAROLINA PROFESSIONAL SEAL 25911 ENGINEER DWAIN G. HATHAWAY

DocuSigned by: Dwain Hathaway 283786071DA0460... 3/13/2015

Baker

Michael Baker Engineering
8000 Regency Parkway, Suite 600
Cary, North Carolina 27518
NC License No. : F-1084

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

BRIDGE OVER TRENT RIVER ON US17 BETWEEN SR 1337 & SR 1121 RIGHT LANE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S08-5
1			3			TOTAL SHEETS
2			4			68

SITE 4

nbspeaks
3/5/2015 4:14:24 PM
Filename: Y:\Projects\NCDOT\R-2514D\Site 4\Dwgs\Right\Final\408_005_R2514D_SMJ_LS01.dgn