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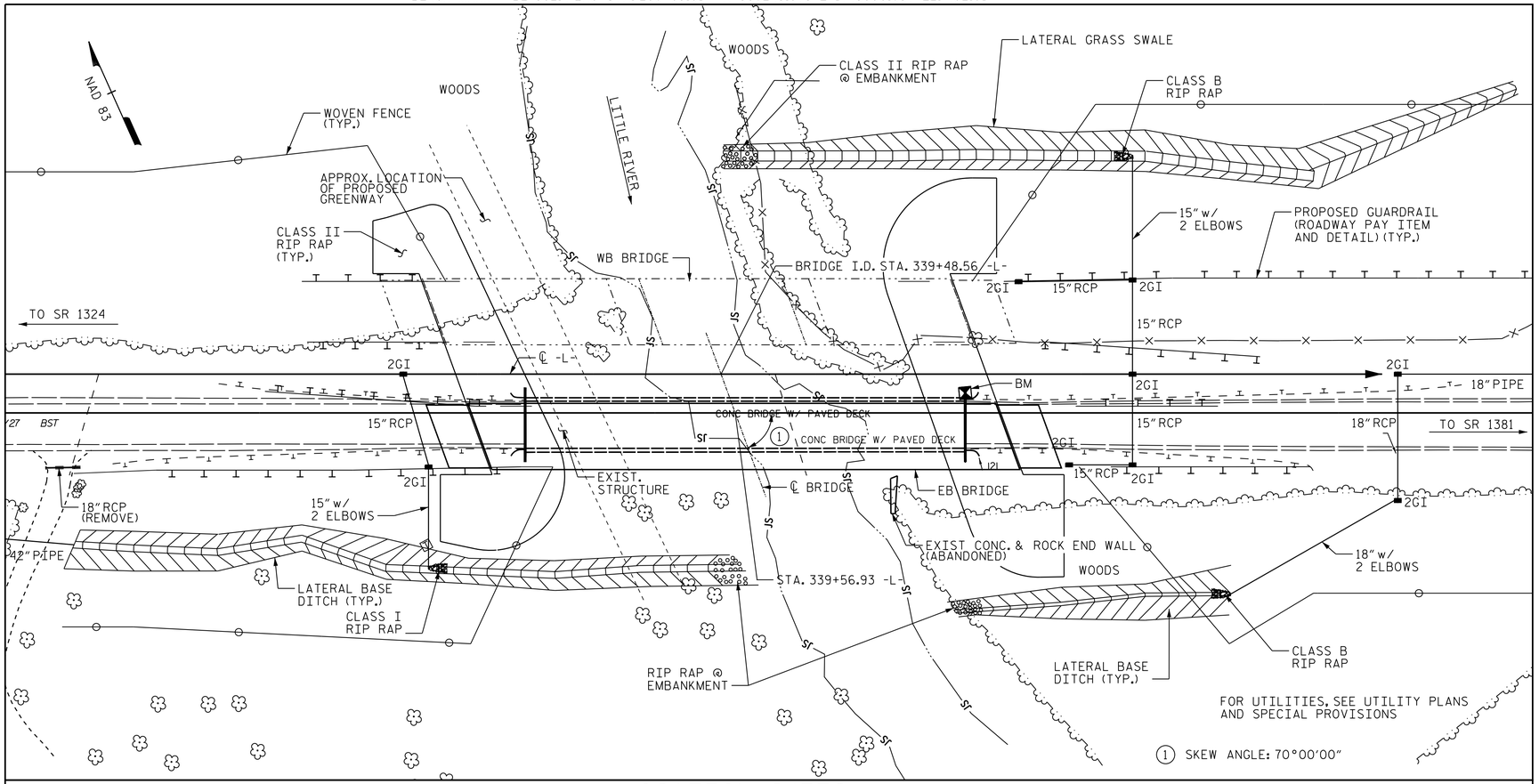
TOTAL BILL OF MATERIAL

	CONSTRUCTION, MAINTENANCE & REMOVAL OF TEMP. ACCESS @ STATION 339+48.56 -L-	REMOVAL OF EXIST. STRUCTURE AT STATION 339+48.56 -L-	3'-6" Ø DRILLED PIERS IN SOIL	3'-6" DIA. DRILLED PIERS NOT IN SOIL	PERMANENT STEEL CASING FOR 3'-6" DIA. DRILLED PIER	SID INSPECTIONS	CSL TESTING	UNCLASSIFIED STRUCTURE EXCAVATION	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	MODIFIED 72" PRESTRESSED CONC. GIRDERS		HP 14 X 73 STEEL PILES		STEEL PILE POINTS	CONCRETE BARRIER RAIL	RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS
	LUMP SUM	LUMP SUM	LIN. FT.	LIN.FT.	LIN.FT.	EA.	EA.	LUMP SUM	SQ.FT.	SQ.FT.	CU.YDS.	LUMP SUM	LBS.	LBS.	NO.	LIN.FT.	NO.	LIN.FT.	EA.	LIN.FT.	TONS	SQ.YDS.	LUMP SUM
SUPERSTRUCTURE									12,364	11,899		LUMP SUM			12	1,236				630			LUMP SUM
END BENT No. 1								LUMP SUM			43.1		6,186				9	270	9		682	757	
BENT No. 1	LUMP SUM		9	69	12	1	1				46.5		22,677	3,583									
BENT No. 2	LUMP SUM		18	57	12	1	1				46.9		22,806	3,763									
END BENT No. 2								LUMP SUM			43.1		6,215				9	405	9		565	628	
TOTAL	LUMP SUM	LUMP SUM	27	126	24	2	2	LUMP SUM	12,364	11,899	179.6	LUMP SUM	57,884	7,346	12	1,236	18	675	18	630	1247	1385	LUMP SUM

BENCH MARK - BL-582: PINC STA. 296+95.01 - N 586243.973 E 1745900.657 EL. 402.01



LOCATION SKETCH

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.

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

THE LOCATION OF THE CONSTRUCTION JOINT IN THE DRILLED PIERS @ BENT 1 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.

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

FOR PLACING LOAD ON STRUCTURE MEMBERS, SEE SPECIAL PROVISIONS.

THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA SHALL BE EXCAVATED FOR A DISTANCE OF 70 FT ON THE LEFT SIDE 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.

AT THE CONTRACTOR'S OPTION, AND UPON REMOVAL OF THE CAUSEWAY, THE CLASS II RIP RAP USED IN THE CAUSEWAY MAY BE PLACED AS RIP RAP SLOPE PROTECTION. SEE SPECIAL PROVISIONS FOR CONSTRUCTION, MAINTANANCE AND REMOVAL OF TEMPORARY ACCESS AT STATION 339+48.56 -L-.

NOTES (CONT.):

AFTER SERVING AS A TEMPORARY STRUCTURE THE EXISTING STRUCTURE CONSISTING OF FIVE SPANS, 2 @ 52'-4½", 1 @ 52'-5", 1 @ 52'-5½" AND 1 @ 52'-4½", COMPOSED OF A REINFORCED CONCRETE DECK GIRDER STRUCTURE (5 LINES @ 1'-6" WIDE x 3'-11" DEEP) W/ ASPHALT CONC. WEARING SURFACE PLACED ON REINFORCED CONCRETE DECK W/ 28'-2" CLEAR ROADWAY SUPPORTED ON REINFORCED CONCRETE END BENTS AND SOLID WEB PIERS ON SPREAD FOUNDATIONS AND LOCATED AT THE SAME SITE AS THE PROPOSED BRIDGE STRUCTURE SHALL BE REMOVED. THE EXISTING BRIDGE IS PRESENTLY NOT POSTED FOR LOAD LIMIT. SHOULD THE STRUCTURAL INTEGRITY OF THE BRIDGE DETERIORATE DURING CONSTRUCTION OF THE PROPOSED BRIDGE, A LOAD LIMIT MAY BE POSTED AND MAY BE REDUCED AS FOUND NECESSARY DURING THE LIFE OF THE PROJECT.

PROJECT NO. R-0623

MONTGOMERY COUNTY

STATION: 339+48.56 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON NC 24/27 BYPASS EBL OVER LITTLE RIVER BETWEEN SR 1324 AND SR 1381

(EBL)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-125
1			3			TOTAL SHEETS
2			4			162

NORTH CAROLINA PROFESSIONAL SEAL 13406 ENGINEER JOSEPH T. KELVINGTON

DocuSigned by: Joseph T. Kelvington 847C9D378074AF... 8/18/2014

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DRAWN BY: J. L. HENNEKES DATE: 05-28-13
CHECKED BY: J. T. KELVINGTON DATE: 03-21-14
DESIGN ENGINEER OF RECORD: J. T. KELVINGTON DATE: 04-01-14

U:\Structures\Little River\Drawing\EBL - Bridge 32\Final\R-0623_SD_GD_2.dgn 8/13/2014 2:37:55 PM jhennekes

STR. #4