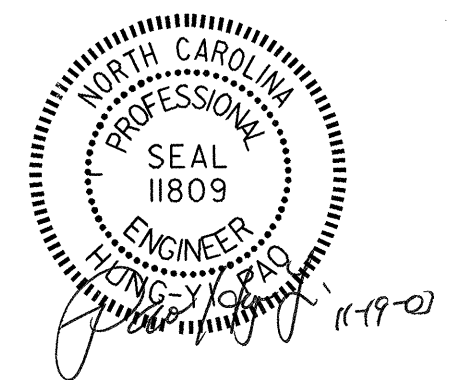


ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 ALL ELEVATIONS ARE IN METERS.
 ASSUMED LIVE LOAD = MS 18 OR ALTERNATE LOADING.
 FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SNSM.
 FOR EROSION CONTROL MEASURES SEE EROSION CONTROL PLANS.
 FOR METRIC REINFORCING STEEL, SEE SPECIAL PROVISIONS.
 THIS BRIDGE HAS BEEN DESIGNED BY THE STRENGTH DESIGN METHOD AS SPECIFIED IN AASHTO STANDARD SPECIFICATIONS.
 THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR SEISMIC DESIGN OF HIGHWAY BRIDGES FOR SEISMIC PERFORMANCE CATEGORY A.
 ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 345W STEEL AND PAINTED IN ACCORDANCE WITH SYSTEM 4 OF ARTICAL 442-7 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
 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 SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
 FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
 FOR MINIMIZING RAILROAD FLAGGING SERVICE, SEE SPECIAL PROVISIONS.

TOTAL BILL OF MATERIAL

	1066mm Ø DRILLED PIERS IN SOIL	1066mm Ø DRILLED PIERS NOT IN SOIL	SID INSPECTION	SPT TESTING	CROSSHOLE SONIC LOGGING	CSL TUBES	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	STRUCTURAL STEEL	HP 310 X 79 STEEL PILES	CONCRETE BARRIER RAIL	**100mm SLOPE PROTECTION	ELASTOMERIC BEARINGS	EVAZOTE JOINT SEALS	
	METERS	METERS	EACH	EACH	EACH	METERS	SQ. METERS	SQ. METERS	CU. METERS	LUMP SUM	kg.	kg.	APPROX. kg.	NO.	METERS	METERS	SQ. METERS	LUMP SUM	LUMP SUM
SUPERSTRUCTURE							760.8	620.9		LUMP SUM			103,500			129,600		LUMP SUM	LUMP SUM
END BENT 1									28.9		2,864			7	80.5		705.0		
BENT 1	7.1	10.6	1	2	1	81.0			39.0		6,843	1,199							
BENT 2	13.7	12.4	1	2		114.6			33.1		6,882	1,148							
END BENT 2									30.5		2,924			7	42.0		410.0		
TOTAL	20.8	23.0	2	4	1	195.6	760.8	620.9	131.5	LUMP SUM	19,513	2,347	103,500	14	122.5	129,600	1,115.0	LUMP SUM	LUMP SUM

* QUANTITY INCLUDES PROPOSED LEFT LANE BRIDGE AND EXISTING RIGHT LANE BRIDGE 100mm SLOPE PROTECTION



PROJECT NO. R-2610A
 CHATHAM COUNTY
 STATION: 27+85.488 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 FOR BRIDGE ON SBL US 421
 OVER NORFOLK SOUTHERN
 RAILROAD BETWEEN
 SR 1007 AND SR 1010
 (LEFT LANE BRIDGE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			5-43
2			4			TOTAL SHEETS 82

STR: #2

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 www.stantec.com

DRAWN BY: M. J. OSTRISHKO DATE: 8-8-03
 CHECKED BY: H. PAO DATE: 9-5-03