TOTAL BILL OF MATERIAL													
	CONSTRUCTION MAINTENANCE & REMOVAL OF TEMPORARY ACCESS	REMOVAL OF EXISTING STRUCTURE	ASBESTOS ASSESSMENT	4'-0" DRILLED PIER IN SOIL	4'-0" DRILLED PIER NOT IN SOIL	PDA TESTING	SID INSPECTIONS	CSL TESTING	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL
	LUMP SUM	LUMP SUM	LUMP SUM	LF	LF	EACH	EACH	EACH	SF	SF	СҮ	LUMP SUM	LBS
SUPERSTRUCTURE									11,199	11,002		LUMP SUM	
END BENT 1											67.1		9,182
BENT 1				102.0	36.0						45.4		13,875
BENT 2				60.0	45.0						45.5		12,466
END BENT 2											66.7		9,115
TOTAL	LUMP SUM	LUMP SUM	LUMP SUM	162.0	81.0	2	2	2	11,199	11,002	224.7	LUMP SUM	44,638

LOCATION SKETCH

	TOT	AL BILL			MATER	RIAL	(CON)				
	SPIRAL COLUMN REINFORCING STEEL	PILE DRIVING EQUIPMENT SETUP FOR HP 12×53 STEEL PILES	ST	.2×53 EEL LES	CONCRETE BARRIER RAIL	RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS	STRIP SEAL EXPANSION JOINT	CC	RESTRESSED ONCRETE LORIDA -BEAMS
	LBS	EACH	No.	LF	LF	TON	SY	LUMP SUM	LUMP SUM	No.	LF
SUPERSTRUCTURE					612.34			LUMP SUM	LUMP SUM	12	1,126.50
END BENT 1		9	9	450		447	497				
BENT 1	4,465										
BENT 2	3,663										
END BENT 2		9	9	360		346	384				
TOTAL	8,128	18	18	810	612.34	793	881	LUMP SUM	LUMP SUM	12	1,126.50

THE CLASS AA CONCRETE IN THE BRIDGE DECK SHALL CONTAIN FLY ASH OR GROUND GRANULATED BLAST FURNACE SLAG AT THE SUBSTITUTION RATE SPECIFIED IN ARTICLE 1024-1 AND IN ACCORDANCE WITH ARTICLES 1024-5 AND 1024-6 OF THE STANDARD SPECIFICATIONS. NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION AS IT IS CONSIDERED INCIDENTAL TO THE COST OF THE REINFORCED CONCRETE DECK SLAB.

SPECIAL PROVISIONS.

## 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.

AT THE CONTRACTORS 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. MAINTENANCE AND REMOVAL OF TEMPORARY ACCESS AT STATION 30+57.00 -L-.

NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER.

THE EXISTING STRUCTURE CONSISTING OF REINFORCED CONCRETE DECK GIRDER SPANS OF 7 @ 40'-0" WITH 28'-0" CLEAR ROADWAY WITH REINFORCED CONCRETE DECK ON PRESTRESSED CONCRETE PILE BENTS AND LOCATED WEST OF THE PROPOSED BRIDGE LOCATION 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.

THE SUBSTRUCTURE OF THE EXISTING BRIDGE INDICATED ON THE PLANS IS FROM THE BEST INFORMATION AVAILABLE. THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCE BETWEEN THE EXISTING BRIDGE SUBSTRUCTURE SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

REMOVAL OF THE EXISTING BRIDGE SHALL BE PERFORMED IN A MANNER THAT PREVENTS DEBRIS FROM FALLING INTO THE WATER. THE CONTRACTOR SHALL SUBMIT DEMOLITION PLANS FOR REVIEW AND REMOVE THE BRIDGE IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.

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

THE SCOUR CRITICAL ELEVATION FOR BENT 1 IS ELEVATION 384' AND FOR BENT 2 IS ELEVATION 383'. SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

THE LOCATION OF THE CONSTRUCTION JOINT IN THE DRILLED PIERS 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 ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND RENOVATION ACTIVITIES. SEE SPECIAL PROVISIONS.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



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	SHEET NO.				
BY:	DATE:	NO.	BY:	DATE:	S-4
		X			TOTAL SHEETS
		<u> </u>			39

PROJECT NO. <u>BR-0070</u>

CASWELL

SHEET 4 OF 4

STATION: \_\_30+57.00 -L-

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

GENERAL DRAWING

FOR BRIDGE OVER

BETWEEN SR 1300

AND SR 1500

COUNTY

## NOTES (CONT'D)

FOR 63" PRESTRESSED CONCRETE FLORIDA I-BEAMS, SEE

STEWART

DRAWN BY:

D. RUGGLES DATE : <u>| 11/22</u> DESIGN ENGINEER OF RECORD: \_\_J.WILSON\_\_ DATE : \_\_ II/22\_

DATE : <u>| ||/22</u>

J. WILSON