

FOR UTILITY INFORMATION,SEE UTILITY PLANS & SPECIAL PROVISIONS.

GENERAL NOTES:

ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.

THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF 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 EROSION CONTROL MEASURES,SEE EROSION CONTROL PLANS.

THE EXISTING STRUCTURE CONSISTING OF 3 SPANS AT 25'-7",62'-1",AND 43'-6"WITH TIMBER DECK ON STEEL I-BEAMS ON REINFORCED CONCRETE END BENTS AND INTERIOR BENTS SHALL BE REMOVED.THE EXISTING BRIDGE IS PRESENTLY POSTED FOR LOAD LIMIT.

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.

INASMUCH AS THE PAINT SYSTEM ON THE EXISTING STRUCTURAL STEEL CONTAINS LEAD,THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLE 107-1 OF THE STANDARD SPECIFICATIONS.ANY COSTS RESULTING FROM COMPLIANCE WITH APPLICABLE STATE OR FEDERAL REGULATIONS PERTAINING TO HANDLING OF MATERIALS CONTAINING LEAD BASED PAINT SHALL BE INCLUDED IN THE BID PRICE FOR "REMOVAL OF EXISTING STRUCTURE"AT STATION 16+10.49.

THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA SHALL BE EXCAVATED FOR A DISTANCE OF 20FT EACH 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.

THE SUBSTRUCTURE OF THE EXISTING BRIDGE INDICATED ON THE PLANS IS FROM THE BEST INFORMATION AVAILABLE.SINCE 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 DIFFERENCES BETWEEN THE EXISTING BRIDGE SUBSTRUCTURE SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

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

THE SCOUR CRITICAL ELEVATIONS FOR BENT NO.1 AND BENT NO.2 ARE EL.2120 AND EL.2126,RESPECTIVELY.SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.

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.

ASPHALT WEARING SURFACE IS INCLUDED IN ROADWAY QUANTITY ON ROADWAY PLANS.

FOR CORED SLAB AND BOX BEAM POST-TENSIONING,SEE SPECIAL PROVISIONS.

FOR ASBESTOS ASSESSMENT,SEE SPECIAL PROVISIONS.

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,MAINTENANCE AND REMOVAL OF TEMPORARY ACCESS AT STA.16+10.49.

TOTAL BILL OF MATERIAL

	CONSTRUCTION, MAINTENANCE & REMOVAL OF TEMPORARY ACCESS @ STA.16+10.49 -L-	REMOVAL OF EXISTING STRUCTURE @ STA.16+10.49 -L-	ASBESTOS ASSESSMENT	3'-0"Ø DRILLED PIERS IN SOIL	3'-0"Ø DRILLED PIERS NOT IN SOIL	PERMANENT STEEL CASING FOR 3'-0"Ø DRILLED PIER	SID INSPECTIONS	SPT TESTING	CSL TESTING	UNCLASSIFIED STRUCTURE EXCAVATION	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	PILE DRIVING EQUIPMENT SETUP FOR HP 12x53 STEEL PILES	HP 12x53 STEEL PILES		VERTICAL CONCRETE BARRIER RAIL	RIP RAP CLASS II (2'-0" THICK)
	LUMP SUM	LUMP SUM	LUMP SUM	LIN. FT.	LIN. FT.	LIN. FT.	EA.	EA.	EA.	LUMP SUM	CU. YD.	LUMP SUM	LBS.	LBS.	EA.	NO.	LIN. FT.	LIN. FT.	TONS
SUPERSTRUCTURE																		300.87	
END BENT 1											24.1		2,923		7	7	165		95
BENT 1				78.0	69.0	51.0	1	3	1		20.4		14,953	3,696					
BENT 2				90.0	57.0	33.0	1	3	1		20.0		14,848	3,634					
END BENT 2											24.1		2,923		7	7	105		87
TOTAL	LUMP SUM	LUMP SUM	LUMP SUM	168.0	126.0	84.0	2	6	2	LUMP SUM	88.6	LUMP SUM	35,647	7,330	14	14	270	300.87	182

TOTAL BILL OF MATERIAL

	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS	3'-0" X 1'-9" PRESTRESSED CONCRETE CORED SLABS		3'-0" X 2'-0" PRESTRESSED CONCRETE CORED SLABS		SONIC CALIPER TESTING
	SQ. YDS.	LUMP SUM	NO.	LIN. FT.	NO.	LIN. FT.	EA.
SUPERSTRUCTURE			22	935.00	11	715.00	
END BENT 1	106						
BENT 1							3
BENT 2							3
END BENT 2	97						
TOTAL	203	LUMP SUM	22	935.00	11	715.00	6

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE: 11,500 CFS  
FREQUENCY OF OVERTOPPING FLOOD: 500+ YRS.  
OVERTOPPING FLOOD ELEVATION: 2150.0' \*  
\* OVERTOPPING ON ROADWAY EAST OF BRIDGE (ROADWAY @ STA.18+50.0 -L-)  
WS EL. TAKEN @ RIVER STATION 54728.71

HYDRAULIC DATA

DESIGN DISCHARGE: 5,800 CFS  
FREQUENCY OF DESIGN FLOOD: 25 YRS.  
DESIGN HIGH WATER ELEVATION: 2,144.7'  
DRAINAGE AREA: 47.2 SQ. MI.  
BASE DISCHARGE (Q100): 8,260 CFS  
BASE HIGH WATER ELEVATION: 2,147.5'

PROJECT NO. HB-0030

MACON COUNTY

STATION: 16+10.49 -L-

SHEET 4 OF 7

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

GENERAL DRAWING  
FOR BRIDGE ON SR 1679 (PEEKS CREEK RD.) BETWEEN SR 1672 AND US 64 OVER CULLASAJA RIVER

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.
1			3			S-04
2			4			TOTAL SHEETS 26

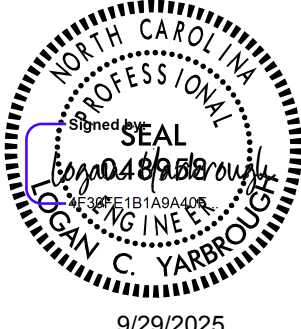
DRAWN BY : G.DWIGHT LOFLIN DATE : 07-2025  
CHECKED BY : LOGAN C. YARBROUGH DATE : 07-2025  
DESIGN ENGINEER OF RECORD: LOGAN C. YARBROUGH DATE : 08-2025

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**DRMP**

8210 UNIVERSITY EXECUTIVE  
PARK DRIVE SUITE 220,  
CHARLOTTE, NC 28262  
(704) 549-4260

NC LICENSE NO. F-1524



DRMP JOB NUMBER: 20-0464.031