

1. DRILL AND EPOXY #5 "V" BARS INTO THE EXISTING CAP. #5 "V" BARS MAY BE SHIFTED TO CLEAR EXISTING REINFORCEMENT IN CAP.
2. LEVEL TWO FIELD TESTING IS REQUIRED, AND THE YIELD LOAD FOR EACH #5 "V" BAR IS 8 KIPS. FOR ADHESIVELY ANCHORED DOWELS, SEE THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR REINFORCED CONCRETE PEDESTALS.
3. "V" BARS IN PEDESTAL MAY BE ROTATED AS NECESSARY TO CLEAR ANCHOR BOLTS.
4. EMBEDMENT DEPTH OF CAST-IN-PLACE ANCHORS SHALL BE AT LEAST 8 INCHES. VERIFY EXACT PLACEMENT OF ANCHORS WITH BRIDGE MANUFACTURER BEFORE POURING CONCRETE.
5. FOR DIMENSIONS MARKED WITH AN ASTERISK, SEE NOTE 2 ON SHEET S-3.
6. **TRUSS MANUFACTURER TO PROVIDE REQUIRED OPENING BETWEEN BRIDGE DECK/TRUSS AND BACKWALL TO ALLOW FOR THERMAL EXPANSION OF THE BRIDGE.

BILL OF MATERIAL					
FOR ONE END BENT					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
V1	12	#5	1	2'-5"	30
V2	12	#5	1	2'-8"	33
S1	16	#4	2	6'-1"	65
REINFORCING STEEL					128 LBS.
TOTAL CLASS AA CONCRETE					0.5 CY

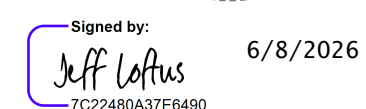
PROJECT NO. BN-0003

JACKSON COUNTY

STATION: 14+74.28 -TRL-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
END BENT 1

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McADAMS

DRAWN BY : J. WEIGER DATE : 7/2025
 CHECKED BY : J. LOFTUS DATE : 12/2025
 DESIGN ENGINEER OF RECORD: J. LOFTUS DATE : 2/2026

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-4 TOTAL SHEETS 8
1			3			
2			4			