

SUMMARY OF PILE INFORMATION/INSTALLATION

(BLANK ENTRIES INDICATE ITEM IS NOT APPLICABLE TO STRUCTURE)

[illegible]
$$* \text{ RDR} = \frac{\text{FACTORED RESISTANCE} + \text{FACTORED DRAG LOAD} + \text{FACTORED DEAD LOAD}}{\text{DYNAMIC RESISTANCE FACTOR}} + \text{NOMINAL DRAG LOAD RESISTANCE} + \text{NOMINAL RESISTANCE FROM SCOURABLE MATERIAL}$$

* * PREDRILLING FOR PILES IS REQUIRED FOR END BENTS/BENTS WITH A PREDRILLING LENGTH AND AT THE CONTRACTOR'S OPTION FOR END BENTS/BENTS WITH PREDRILLING INFORMATION BUT NO PREDRILLING LENGTH.

P I F DESIGN INFORMATION

(BLANK ENTRIES INDICATE ITEM IS NOT APPLICABLE TO STRUCTURE)

END BENT/BENT NO. PILE(S) #(-#) (E.G., "BENT 1, PILES 1-5")	FACTORED AXIAL LOAD PER PILE	FACTORED DRAG LOAD PER PILE	FACTORED DEAD LOAD * PER PILE	DYNAMIC RESISTANCE FACTOR	NOMINAL DRAG RESISTANCE PER PILE	NOMINAL SCOUR RESISTANCE PER PILE
	KIPS	KIPS	KIPS		KIPS	KIPS
END BENT 1, PILES 1-3	70			0.60		
END BENT 1, PILES 4-5	70			0.60		
BENT 1, PILES 1-3	110			0.60		38
BENT 1, PILES 4-5	110			0.60		50
END BENT 2, PILES 1-3	70			0.60		
END BENT 2, PILES 4-5	70			0.60		

* FACTORED DEAD LOAD IS FACTORED WEIGHT OF PILE ABOVE THE GROUND LINE.

— SUMMARY OF PILE ACCESSORIES —

(BLANK ENTRIES INDICATE ITEM IS NOT APPLICABLE TO STRUCTURE)

END BENT/BENT NO. PILE(S) #(-#) (E.G., "BENT 1, PILES 1-5")	PIPE PILE PLATES	STEEL PILE POINTS		
		PIPE PILE CUTTING SHOES	PIPE PILE CONICAL POINTS	H-PILE POINTS
	EA.	EA.	EA.	EA.
END BENT 1, PILES 1-5				5
BENT 1, PILES 1-5				5
END BENT 2, PILES 1-5				5
TOTAL QUANTITY:				15

NOTES:

1. THE PILE FOUNDATION TABLES ARE BASED ON THE BRIDGE SUBSTRUCTURE DESIGN AND FOUNDATION RECOMMENDATIONS SEALED BY A NORTH CAROLINA PROFESSIONAL ENGINEER(ATEFEH ASOUDEH, PE#043747) ON 08/14/2025.
2. TOTAL PILE DRIVING EQUIPMENT SETUP QUANTITY (NOT SHOWN IN PILE FOUNDATION TABLES)EQUALS THE NUMBER OF DRIVEN PILES, I.E., THE NUMBER OF PILES WITH A REQUIRED DRIVING RESISTANCE.

PROJECT NO.: 18314.1044073

HAYWOOD COUNTY

STATION: 12+13.00 -L-

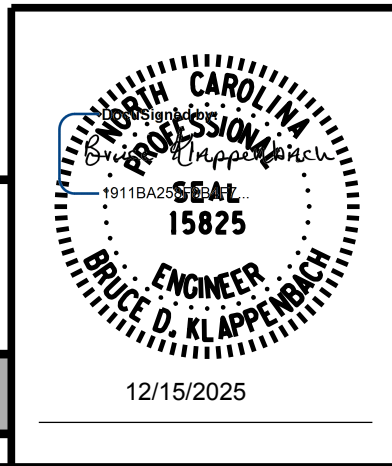
SHEET 3 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

PILE FOUNDATION TABLES

REVISIONS						SHEET NO. S-3
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 21
2			4			

DRAWN BY :	B. H. GONFA	DATE :	JUL 2025
CHECKED BY :	B. D. KLAPPENBACH	DATE :	JUL 2025
DESIGN ENGINEER OF RECORD:	B. D. KLAPPENBACH	DATE :	JUL 2025



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED