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SUMMARY OF MICROPILE INFORMATION/INSTALLATION

(Blank entries indicate item is not applicable to structure)

End Bent / Bent No, Pile(s) #(-#) (e.g., "Bent 1, Piles 1-5")	Factored Resistance per Pile KIPS	Minimum Reinforcing CasingTip (Tip No Higher Than) Elevation FT	Minimum Reinforcing Casing Penetration Into Rock per Pile LIN FT	Scour Critical Elevation FT	No Reinforcing Casing Joints Between Elevations FT - FT	Galvanizing Exposed Reinforcing Casing EACH
End Bent No. 1, Piles 1-5	255		10.0	1948.00		5
End Bent No. 2, Piles 1-5	255		10.0	1949.00		5

SUMMARY OF MICROPILE TESTING

(Blank entries indicate item is not applicable to structure)

End Bent / Bent No, Pile(s) #(-#) (e.g., "Bent 1, Piles 1-5")	Demonstration Micropile(s) EACH	Load Testing			
		Proof Load Test(s) EACH	Verification Load Test(s) EACH	Factored Design Load (FDL) KIPS	Permissible Total Vertical Movement at Top of Pile INCHES
End Bent No. 1, Piles 1-5		1		254	1.00
End Bent No. 2, Piles 1-5		1		254	1.00
TOTAL QTY:		2			

PROJECT NO. BP14.R014

SWAIN COUNTY

STATION: 12+45.82 -L-

NOTES:

1. The Micropile and Spread Footing Foundation Tables are based on the bridge substructure design and foundation recommendations sealed by a North Carolina Professional Engineer (Stephen C. Crockett, #048207) on 05-13-2026.

2 Exposed reinforcing casing is considered as the reinforcing casing above the geotechnically adjusted scour elevations of 1935.2 ft at End Bent No. 1 and 1939.6 ft at End Bent No. 2.

NORTH CAROLINA PROFESSIONAL SEAL 044167 ENGINEER ELIZABETH F LAWES

Signed by: Elizabeth F. Lawes 10/5/2026

SIGNATURE DATE

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

MICROPILE AND SPREAD FOOTING FOUNDATION TABLES

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	REVISIONS						SHEET NO. S-3
	NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS 25
	1			3			
	2			4			