SUMMARY OF PILE INFORMATION/INSTALLATION

(Blank entries indicate item is not applicable to structure)

| End Dont/ | | | | | Driven Piles | | | Predrilling for Piles* | | | Drilled-In Piles | | |
|--|--|--|---|--------------------------------------|---|---|---|---|---|---|--|--|---|
| End Bent/ Bent No, Pile(s) #-# (e.g., "Bent 1, Piles 1-5") | Factored Resistance per Pile TONS | Pile Cut-Off (Top of Pile) Elevation FT | Estimated Pile Lenth per Pile FT | Scour Critical Elevation FT | Min Pile Tip (Tip No Higher Than) Elev FT | Required Driving Resistance (RDR)** per Pile TONS | Total Pile Redrives Quantity EACH | Predrilling Length per Pile Lin FT | Predrilling Elevation (Elev Not To Predrill Below) FT | Maximum Predrilling Dia INCHES | Pile Excavation (Bottom of Hole) Elev FT | Pile Exc Not In Soil per Pile Lin FT | Pile Exc In Soil per Pile Lin FT |
| EB1 (1-8) | 115 | 168.97 | 100 | | | 155 | 4 | | | | | | |
| B1 (1-12) | 143 | 149.47 | 70 | | | 190 | 6 | | | | | | |
| EB2 (1-8) | 115 | 168.97 | 85 | | _ | 155 | 4 | | | | | | |

*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.

Factored Resistance + Factored Downdrag Load + Factored Dead Load Nominal Scour Resistance 1 - + Nominal Downdrag Resistance + Scour Resistance Factor Dynamic Resistance Factor

PILE 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 TONS | Factored Downdrag Load per Pile TONS | Factored Dead Load* per Pile TONS | Dynamic Resistance Factor | Nominal Downdrag Resistance per Pile TONS | Nominal Scour Resistance per Pile TONS | Scour Resistance Factor (Default = 1.00) |
|--|---|--|---|---------------------------------|---|---|---|
| End Bent 1, Pile 1-8 | 115 | | | 0.75 | | | 1.00 |
| Bent 1, Pile 1-12 | 143 | | | 0.75 | | | 1.00 |
| End Bent 2, Pile 1-8 | 115 | | | 0.75 | | | 1.00 |

*Factored Dead Load is factored weight of pile above the ground line.

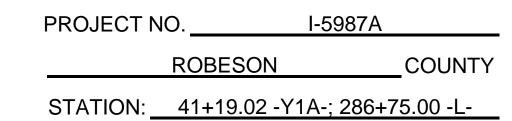
NOTES:

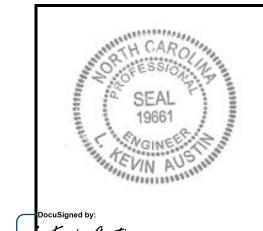
SUMMARY OF PDA/PILE ORDER LENGTHS

(Blank entries indicate item is not applicable to structure)

| Pi | le Driving Analyz | Pile Order Lengths | | | |
|----------------------|--|----------------------------------|---|-------------------------|--|
| End Bent/ Bent No | PDA Testing Required? YES or MAYBE | PDA Test Pile Length FT | Total PDA Testing Quantity EACH | End Bent/ Bent No(s) | Pile Order Length Basis* EST or PDA |
| End Bent 1, Pile 1-8 | YES | 105 | | | |
| Bent 1, Pile 1-12 | YES | 75 | 2 | | |
| End Bent 2, Pile 1-8 | MAYBE | 90 | | | |

*EST = Pile order lengths from estimated pile lengths; PDA = Pile order lengths based on PDA testing. For groups of end bents/bents with pile order lengths based on PDA testing, the first end bent/bent no. listed for each group is the representative end bent/bent with the PDA.





STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PILE FOUNDATION **TABLES**

| • | | 5/10/2022 | |
|---|-----------------|------------|---|
| | 72F7B3720FAA46B | | |
| | SIGNATURE | DATE | |
| | | | |
| | | | |
| | DOCUMENT NOT | CONGIDEDED | N |

| NATURE | DATE | | | SHEET NO. S2-3 | | | | |
|-------------------|------------|-----|-----|-------------------|-----|-----|-------|--------|
| UMENT NOT | CONSIDERED | NO. | BY: | DATE: | NO. | BY: | DATE: | TOTAL |
| FINAL UNLE | SS ALL | 1 | | | 3 | | | SHEETS |
| GNATURES C | OMPLETED | 2 | | | 4 | | | 31 |

^{1.} The Pile Foundation Tables are based on the bridge substructure design and foundation recommendations sealed by a North Carolina Professional Engineer (Abner F. Riggs 014155) on 11-04-2021.

^{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.