

| DEAD LOAD DEFLECTION TABLE FOR GIRDERS | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|-------|-------|-------|-------|--------|--------|---------|--------|----------|----------|----------|----------|--------|----------|--------|---------|---------|--------|---------|-------|-------|
| 0.6" Ø LOW RELAXATION STRANDS | SPAN D | | | | | | | | | | | | | | | | | | | | | |
| | GIRDER DG2 | | | | | | | | | | | | | | | | | | | | | |
| | TWENTIETH POINTS | 0 | 0.05 | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.45 | 0.50 | 0.55 | 0.60 | 0.65 | 0.70 | 0.75 | 0.80 | 0.85 | 0.90 | 0.95 | 1.00 |
| CAMBER (GIRDER ALONE IN PLACE) | ↑ | 0.000 | 0.051 | 0.100 | 0.147 | 0.190 | 0.228 | 0.260 | 0.286 | 0.304 | 0.316 | 0.320 | 0.316 | 0.304 | 0.286 | 0.260 | 0.228 | 0.190 | 0.147 | 0.100 | 0.051 | 0.000 |
| * DEFLECTION DUE TO SUPERIMPOSED D.L. | ↓ | 0.000 | 0.025 | 0.049 | 0.072 | 0.095 | 0.112 | 0.130 | 0.141 | 0.152 | 0.155 | 0.158 | 0.154 | 0.149 | 0.137 | 0.125 | 0.107 | 0.089 | 0.067 | 0.045 | 0.023 | 0.000 |
| FINAL CAMBER | ↑ | 0 | 5/16" | 5/8" | 7/8" | 1 1/8" | 1 3/8" | 1 9/16" | 1 3/4" | 1 13/16" | 1 15/16" | 1 15/16" | 1 15/16" | 1 7/8" | 1 13/16" | 1 5/8" | 1 7/16" | 1 3/16" | 15/16" | 1 1/16" | 5/16" | 0 |

* INCLUDES SLAB, BUILDUPS, FUTURE WEARING SURFACE & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT " FINAL CAMBER ", WHICH IS GIVEN IN INCHES (FRACTION FORM).

| DEAD LOAD DEFLECTION TABLE FOR GIRDERS | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------|-------|-------|-------|--------|--------|--------|----------|--------|----------|---------|---------|---------|-------|--------|--------|---------|---------|-------|---------|-------|-------|
| 0.6" Ø LOW RELAXATION STRANDS | SPAN D | | | | | | | | | | | | | | | | | | | | | |
| | GIRDERS DG3 & DG4 | | | | | | | | | | | | | | | | | | | | | |
| | TWENTIETH POINTS | 0 | 0.05 | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.45 | 0.50 | 0.55 | 0.60 | 0.65 | 0.70 | 0.75 | 0.80 | 0.85 | 0.90 | 0.95 | 1.00 |
| CAMBER (GIRDER ALONE IN PLACE) | ↑ | 0.000 | 0.051 | 0.100 | 0.147 | 0.190 | 0.228 | 0.260 | 0.286 | 0.304 | 0.316 | 0.320 | 0.316 | 0.304 | 0.286 | 0.260 | 0.228 | 0.190 | 0.147 | 0.100 | 0.051 | 0.000 |
| * DEFLECTION DUE TO SUPERIMPOSED D.L. | ↓ | 0.000 | 0.023 | 0.046 | 0.067 | 0.088 | 0.105 | 0.121 | 0.131 | 0.141 | 0.144 | 0.147 | 0.143 | 0.139 | 0.128 | 0.117 | 0.100 | 0.083 | 0.062 | 0.042 | 0.021 | 0.000 |
| FINAL CAMBER | ↑ | 0 | 5/16" | 5/8" | 15/16" | 1 1/4" | 1 1/2" | 1 11/16" | 1 7/8" | 1 15/16" | 2 1/16" | 2 1/16" | 2 1/16" | 2" | 1 7/8" | 1 3/4" | 1 9/16" | 1 5/16" | 1" | 1 1/16" | 3/8" | 0 |

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| DEAD LOAD DEFLECTION TABLE FOR GIRDERS | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------|-------|-------|-------|-------|--------|---------|---------|--------|---------|--------|--------|--------|---------|--------|--------|--------|---------|--------|-------|-------|-------|
| 0.6" Ø LOW RELAXATION STRANDS | SPAN D | | | | | | | | | | | | | | | | | | | | | |
| | GIRDERS DG5 THRU DG8 | | | | | | | | | | | | | | | | | | | | | |
| | TWENTIETH POINTS | 0 | 0.05 | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.45 | 0.50 | 0.55 | 0.60 | 0.65 | 0.70 | 0.75 | 0.80 | 0.85 | 0.90 | 0.95 | 1.00 |
| CAMBER (GIRDER ALONE IN PLACE) | ↑ | 0.000 | 0.051 | 0.100 | 0.147 | 0.190 | 0.228 | 0.260 | 0.286 | 0.304 | 0.316 | 0.320 | 0.316 | 0.304 | 0.286 | 0.260 | 0.228 | 0.190 | 0.147 | 0.100 | 0.051 | 0.000 |
| * DEFLECTION DUE TO SUPERIMPOSED D.L. | ↓ | 0.000 | 0.029 | 0.057 | 0.083 | 0.110 | 0.130 | 0.151 | 0.163 | 0.176 | 0.180 | 0.184 | 0.178 | 0.173 | 0.159 | 0.145 | 0.125 | 0.104 | 0.078 | 0.053 | 0.026 | 0.000 |
| FINAL CAMBER | ↑ | 0 | 1/4" | 1/2" | 3/4" | 15/16" | 1 3/16" | 1 5/16" | 1 1/2" | 1 9/16" | 1 5/8" | 1 5/8" | 1 5/8" | 1 9/16" | 1 1/2" | 1 3/8" | 1 1/4" | 1 1/16" | 13/16" | 9/16" | 5/16" | 0 |

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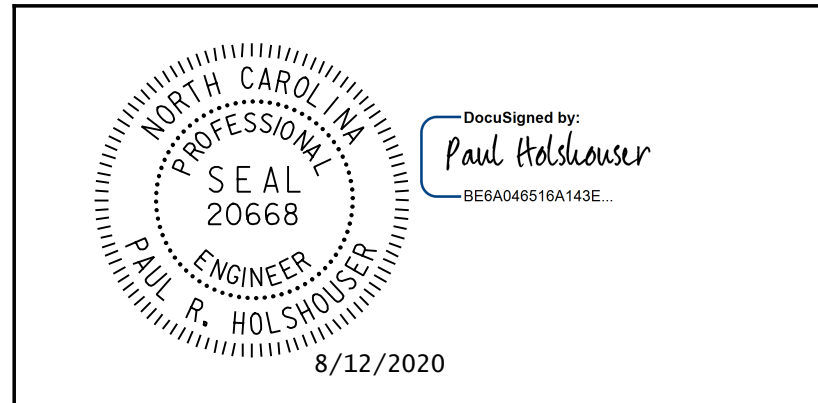
| DEAD LOAD DEFLECTION TABLE FOR GIRDERS | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|-------|-------|-------|--------|-------|--------|--------|---------|--------|--------|--------|--------|----------|--------|---------|---------|---------|-------|-------|-------|-------|
| 0.6" Ø LOW RELAXATION STRANDS | SPAN D | | | | | | | | | | | | | | | | | | | | | |
| | GIRDER DG9 | | | | | | | | | | | | | | | | | | | | | |
| | TWENTIETH POINTS | 0 | 0.05 | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.45 | 0.50 | 0.55 | 0.60 | 0.65 | 0.70 | 0.75 | 0.80 | 0.85 | 0.90 | 0.95 | 1.00 |
| CAMBER (GIRDER ALONE IN PLACE) | ↑ | 0.000 | 0.051 | 0.100 | 0.147 | 0.190 | 0.228 | 0.260 | 0.286 | 0.304 | 0.316 | 0.320 | 0.316 | 0.304 | 0.286 | 0.260 | 0.228 | 0.190 | 0.147 | 0.100 | 0.051 | 0.000 |
| * DEFLECTION DUE TO SUPERIMPOSED D.L. | ↓ | 0.000 | 0.027 | 0.054 | 0.080 | 0.105 | 0.124 | 0.144 | 0.156 | 0.168 | 0.171 | 0.175 | 0.170 | 0.165 | 0.152 | 0.139 | 0.119 | 0.099 | 0.074 | 0.050 | 0.025 | 0.000 |
| FINAL CAMBER | ↑ | 0 | 5/16" | 9/16" | 13/16" | 1" | 1 1/4" | 1 3/8" | 1 9/16" | 1 5/8" | 1 3/4" | 1 3/4" | 1 3/4" | 1 11/16" | 1 5/8" | 1 7/16" | 1 5/16" | 1 1/16" | 7/8" | 5/8" | 5/16" | 0 |

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PROJECT NO. 48793.3.1
BLADEN COUNTY
STATION: 118+81.78 -L-
SHEET 5 OF 10

Pen Table: \\192.168.64.12\ncerdur\RDUCAD\Plotting\Pen Tables\ICE_NC_Struct.tbl
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 Username: jim.austin
 File name: R:\Projects\19-77 Division 6 On Call\02 US 701 over Cape Fear River\NC00T\Structures\Dwg\Final\401_044_US_701_SWL_DL_05.dgn
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DRAWN BY : J. N. AUSTIN DATE : 7-20-20
 CHECKED BY : N. D'AIUTO DATE : 7-21-20
 DESIGN E.O.R. : P. R. HOLSHOUSER DATE : 7-23-20



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|--|-----|-------|-----|-----------|-------|
| STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUPERSTRUCTURE GIRDER DEFLECTIONS AND CAMBER | | | | | |
| REVISIONS | | | | SHEET NO. | |
| NO. | BY: | DATE: | NO. | BY: | DATE: |
| 1 | | | 3 | | |
| 2 | | | 4 | | |
| TOTAL SHEETS | | | | | S-44 |
| 107 | | | | | |

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