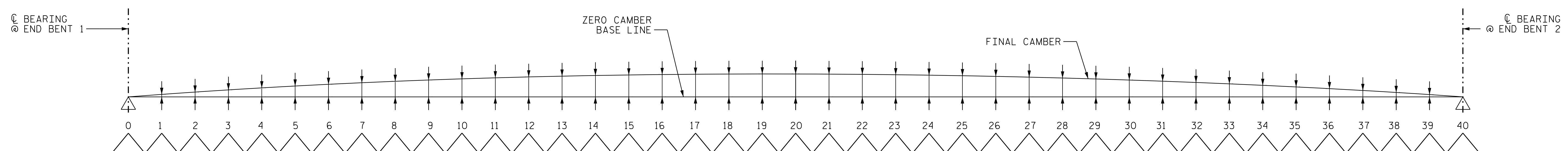


GIRDERS 1 & 4

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---------|--------|--------|----------|--------|----------|---------|---------|----------|---------|----------|---------|---------|-----------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|-----------|---------|---------|----------|----------|---------|----------|----------|---------|---------|----------|---------|----------|---------|----------|-------|
| FORTIETH PTS. BTWN BRGS. | 0.000 | 0.025 | 0.050 | 0.075 | 0.100 | 0.125 | 0.150 | 0.175 | 0.200 | 0.225 | 0.250 | 0.275 | 0.300 | 0.325 | 0.350 | 0.375 | 0.400 | 0.425 | 0.450 | 0.475 | 0.500 | 0.525 | 0.550 | 0.575 | 0.600 | 0.625 | 0.650 | 0.675 | 0.700 | 0.725 | 0.750 | 0.775 | 0.800 | 0.825 | 0.850 | 0.875 | 0.900 | 0.925 | 0.950 | 0.975 | 1.000 |
| CAMBER (GIRDER ALONE IN PLACE) | ↑ 0.000 | 0.013 | 0.026 | 0.039 | 0.051 | 0.063 | 0.075 | 0.086 | 0.096 | 0.107 | 0.116 | 0.124 | 0.132 | 0.139 | 0.145 | 0.151 | 0.155 | 0.158 | 0.161 | 0.162 | 0.163 | 0.162 | 0.161 | 0.158 | 0.155 | 0.151 | 0.145 | 0.139 | 0.132 | 0.124 | 0.116 | 0.107 | 0.097 | 0.086 | 0.075 | 0.063 | 0.051 | 0.039 | 0.026 | 0.013 | 0.000 |
| DEFL. DUE TO SUPERIMPOSED DL ** | ↓ 0.000 | -0.008 | -0.016 | -0.024 | -0.030 | -0.039 | -0.046 | -0.053 | -0.059 | -0.066 | -0.071 | -0.077 | -0.081 | -0.086 | -0.090 | -0.093 | -0.095 | -0.098 | -0.099 | -0.100 | -0.100 | -0.100 | -0.099 | -0.098 | -0.095 | -0.093 | -0.090 | -0.086 | -0.081 | -0.077 | -0.071 | -0.066 | -0.059 | -0.053 | -0.046 | -0.039 | -0.030 | -0.024 | -0.016 | -0.008 | 0.000 |
| FINAL CAMBER | ↑ +0" | +0/16" | +0/8" | +0 3/16" | +0/4" | +0 5/16" | +0 3/8" | +0 3/8" | +0 7/16" | +0 1/2" | +0 9/16" | +0 5/8" | +0 5/8" | +0 11/16" | +0 11/16" | +0 3/4" | +0 3/4" | +0 3/4" | +0 3/4" | +0 3/4" | +0 3/4" | +0 3/4" | +0 3/4" | +0 3/4" | +0 11/16" | +0 11/16" | +0 5/8" | +0 5/8" | +0 9/16" | +0 9/16" | +0 1/2" | +0 7/16" | +0 7/16" | +0 3/8" | +0 3/8" | +0 5/16" | +0 1/4" | +0 3/16" | +0 1/8" | +0 1/16" | +0" |

** INCLUDES FUTURE WEARING SURFACE IN SUPERIMPOSED DEAD LOAD.



GIRDERS 2 & 3

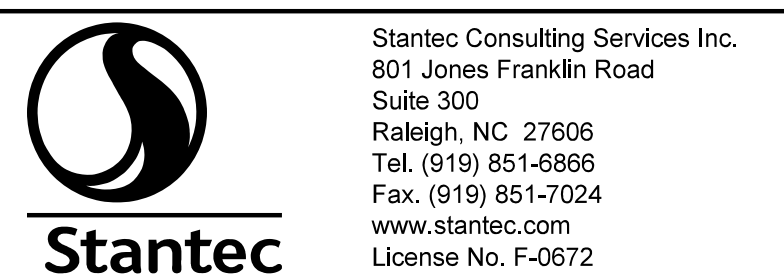
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---------|--------|--------|--------|--------|--------|----------|---------|---------|----------|---------|---------|----------|----------|---------|---------|---------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|----------|----------|---------|---------|----------|----------|----------|---------|----------|---------|---------|---------|---------|----------|-------|
| FORTIETH PTS. BTWN BRGS. | 0.000 | 0.025 | 0.050 | 0.075 | 0.100 | 0.125 | 0.150 | 0.175 | 0.200 | 0.225 | 0.250 | 0.275 | 0.300 | 0.325 | 0.350 | 0.375 | 0.400 | 0.425 | 0.450 | 0.475 | 0.500 | 0.525 | 0.550 | 0.575 | 0.600 | 0.625 | 0.650 | 0.675 | 0.700 | 0.725 | 0.750 | 0.775 | 0.800 | 0.825 | 0.850 | 0.875 | 0.900 | 0.925 | 0.950 | 0.975 | 1.000 |
| CAMBER (GIRDER ALONE IN PLACE) | ↑ 0.000 | 0.013 | 0.026 | 0.039 | 0.051 | 0.063 | 0.075 | 0.086 | 0.096 | 0.107 | 0.116 | 0.124 | 0.132 | 0.139 | 0.145 | 0.151 | 0.155 | 0.158 | 0.161 | 0.162 | 0.163 | 0.162 | 0.161 | 0.158 | 0.155 | 0.151 | 0.145 | 0.139 | 0.132 | 0.124 | 0.116 | 0.107 | 0.097 | 0.086 | 0.075 | 0.063 | 0.051 | 0.039 | 0.026 | 0.013 | 0.000 |
| DEFL. DUE TO SUPERIMPOSED DL ** | ↓ 0.000 | -0.009 | -0.017 | -0.026 | -0.032 | -0.042 | -0.050 | -0.057 | -0.063 | -0.071 | -0.077 | -0.083 | -0.088 | -0.093 | -0.097 | -0.100 | -0.103 | -0.105 | -0.107 | -0.108 | -0.108 | -0.107 | -0.105 | -0.103 | -0.100 | -0.097 | -0.093 | -0.088 | -0.083 | -0.077 | -0.071 | -0.063 | -0.057 | -0.050 | -0.042 | -0.032 | -0.026 | -0.017 | -0.009 | 0.000 | |
| FINAL CAMBER | ↑ +0" | +0/16" | +0/8" | +0/8" | +0/4" | +0/4" | +0 5/16" | +0 3/8" | +0 3/8" | +0 7/16" | +0 1/2" | +0 1/2" | +0 9/16" | +0 9/16" | +0 5/8" | +0 5/8" | +0 5/8" | +0 5/8" | +0 5/8" | +0 5/8" | +0 11/16" | +0 5/8" | +0 5/8" | +0 5/8" | +0 5/8" | +0 5/8" | +0 9/16" | +0 9/16" | +0 1/2" | +0 1/2" | +0 7/16" | +0 7/16" | +0 7/16" | +0 3/8" | +0 5/16" | +0 1/4" | +0 1/4" | +0 1/8" | +0 1/8" | +0 1/16" | +0" |

** INCLUDES FUTURE WEARING SURFACE IN SUPERIMPOSED DEAD LOAD.

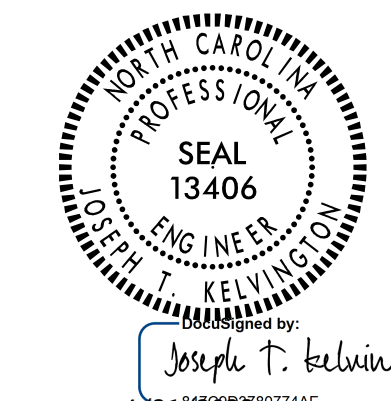
SCHEMATIC CAMBER ORDINATES (SPAN A)

ALL VALUES ARE SHOWN IN DECIMALS OF A FOOT EXCEPT 'FINAL CAMBER (OR DEFLECTION)' WHICH IS SHOWN IN INCHES.
 (+) FINAL CAMBER INDICATES NET UPWARD DISPLACEMENT.
 (-) FINAL CAMBER INDICATES NET DOWNWARD DISPLACEMENT.

PROJECT NO. R-2707D
CLEVELAND COUNTY
 STATION: 810+00.00 -L-



DRAWN BY : N. D'AIUTO DATE : 04/23/18
 CHECKED BY : J.T. KELVINGTON DATE : 12/09/22
 DESIGN ENGINEER OF RECORD : J.T. KELVINGTON DATE : 04/21/23



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 DEAD LOAD DEFLECTIONS
 (RL)

| REVISIONS | | | | | | SHEET NO. | |
|-----------|-----|-------|-----|-----|-------|--------------|--|
| NO. | BY: | DATE: | NO. | BY: | DATE: | S9-16 | |
| 1 | | | 3 | | | TOTAL SHEETS | |
| 2 | | | 4 | | | 30 | |

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

4/21/2023 4:21/2023 J:\Hogenbush\dmis7003\A\2707D-SMU-DL01220089.dgn