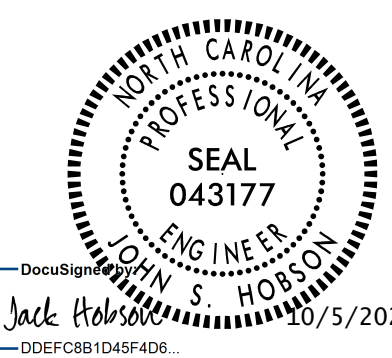


| DEAD LOAD DEFLECTION TABLE FOR GIRDERS - SPAN C |  |                   |       |       |       |       |       |       |       |        |        |        |        |        |        |        |       |       |       |       |       |       |       |
|---|--|-------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0.6" Ø LOW RELAXATION                           |  | GIRDER 1          |       |       |       |       |       |       |       |        |        |        |        |        |        |        |       |       |       |       |       |       |       |
| 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  | 1.0   |       |
| CAMBER ( GIRDER ALONE IN PLACE )                |  | ↑                 | 0.000 | 0.022 | 0.043 | 0.063 | 0.081 | 0.097 | 0.111 | 0.122  | 0.130  | 0.135  | 0.136  | 0.135  | 0.130  | 0.122  | 0.111 | 0.097 | 0.081 | 0.063 | 0.043 | 0.022 | 0.000 |
| * DEFLECTION DUE TO SUPERIMPOSED D.L.           |  | ↓                 | 0.000 | 0.011 | 0.021 | 0.032 | 0.042 | 0.051 | 0.059 | 0.065  | 0.070  | 0.072  | 0.075  | 0.073  | 0.071  | 0.066  | 0.061 | 0.052 | 0.044 | 0.033 | 0.022 | 0.011 | 0.000 |
| FINAL CAMBER                                    |  | ↑                 | 0"    | 1/8"  | 1/4"  | 3/8"  | 7/16" | 9/16" | 5/8"  | 11/16" | 11/16" | 3/4"   | 3/4"   | 3/4"   | 11/16" | 11/16" | 5/8"  | 9/16" | 7/16" | 3/8"  | 1/4"  | 1/8"  | 0"    |
| 0.6" Ø LOW RELAXATION                           |  | GIRDER 2          |       |       |       |       |       |       |       |        |        |        |        |        |        |        |       |       |       |       |       |       |       |
| 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  | 1.0   |       |
| CAMBER ( GIRDER ALONE IN PLACE )                |  | ↑                 | 0.000 | 0.022 | 0.043 | 0.063 | 0.081 | 0.097 | 0.111 | 0.122  | 0.130  | 0.135  | 0.136  | 0.135  | 0.130  | 0.122  | 0.111 | 0.097 | 0.081 | 0.063 | 0.043 | 0.022 | 0.000 |
| * DEFLECTION DUE TO SUPERIMPOSED D.L.           |  | ↓                 | 0.000 | 0.012 | 0.024 | 0.036 | 0.048 | 0.058 | 0.067 | 0.074  | 0.080  | 0.082  | 0.084  | 0.082  | 0.080  | 0.074  | 0.069 | 0.059 | 0.050 | 0.037 | 0.025 | 0.013 | 0.000 |
| FINAL CAMBER                                    |  | ↑                 | 0"    | 1/8"  | 1/4"  | 5/16" | 3/8"  | 1/2"  | 1/2"  | 9/16"  | 5/8"   | 5/8"   | 5/8"   | 5/8"   | 5/8"   | 9/16"  | 1/2"  | 7/16" | 3/8"  | 5/16" | 3/16" | 1/8"  | 0"    |
| 0.6" Ø LOW RELAXATION                           |  | GIRDER 3          |       |       |       |       |       |       |       |        |        |        |        |        |        |        |       |       |       |       |       |       |       |
| 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  | 1.0   |       |
| CAMBER ( GIRDER ALONE IN PLACE )                |  | ↑                 | 0.000 | 0.022 | 0.043 | 0.063 | 0.081 | 0.097 | 0.111 | 0.122  | 0.130  | 0.135  | 0.136  | 0.135  | 0.130  | 0.122  | 0.111 | 0.097 | 0.081 | 0.063 | 0.043 | 0.022 | 0.000 |
| * DEFLECTION DUE TO SUPERIMPOSED D.L.           |  | ↓                 | 0.000 | 0.012 | 0.024 | 0.036 | 0.048 | 0.057 | 0.067 | 0.073  | 0.079  | 0.081  | 0.083  | 0.081  | 0.080  | 0.074  | 0.068 | 0.058 | 0.049 | 0.037 | 0.025 | 0.012 | 0.000 |
| FINAL CAMBER                                    |  | ↑                 | 0"    | 1/8"  | 1/4"  | 5/16" | 3/8"  | 1/2"  | 9/16" | 9/16"  | 5/8"   | 5/8"   | 5/8"   | 5/8"   | 5/8"   | 9/16"  | 1/2"  | 7/16" | 3/8"  | 5/16" | 3/16" | 1/8"  | 0"    |
| 0.6" Ø LOW RELAXATION                           |  | GIRDERS 4, 5, & 6 |       |       |       |       |       |       |       |        |        |        |        |        |        |        |       |       |       |       |       |       |       |
| 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  | 1.0   |       |
| CAMBER ( GIRDER ALONE IN PLACE )                |  | ↑                 | 0.000 | 0.022 | 0.043 | 0.063 | 0.081 | 0.097 | 0.111 | 0.122  | 0.130  | 0.135  | 0.136  | 0.135  | 0.130  | 0.122  | 0.111 | 0.097 | 0.081 | 0.063 | 0.043 | 0.022 | 0.000 |
| * DEFLECTION DUE TO SUPERIMPOSED D.L.           |  | ↓                 | 0.000 | 0.012 | 0.024 | 0.036 | 0.047 | 0.057 | 0.066 | 0.072  | 0.078  | 0.080  | 0.082  | 0.080  | 0.079  | 0.073  | 0.067 | 0.058 | 0.048 | 0.036 | 0.025 | 0.012 | 0.000 |
| FINAL CAMBER                                    |  | ↑                 | 0"    | 1/8"  | 1/4"  | 5/16" | 3/8"  | 1/2"  | 9/16" | 5/8"   | 5/8"   | 5/8"   | 5/8"   | 5/8"   | 5/8"   | 9/16"  | 1/2"  | 1/2"  | 3/8"  | 5/16" | 1/4"  | 1/8"  | 0"    |
| 0.6" Ø LOW RELAXATION                           |  | GIRDER 7          |       |       |       |       |       |       |       |        |        |        |        |        |        |        |       |       |       |       |       |       |       |
| 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  | 1.0   |       |
| CAMBER ( GIRDER ALONE IN PLACE )                |  | ↑                 | 0.000 | 0.022 | 0.043 | 0.063 | 0.081 | 0.097 | 0.111 | 0.122  | 0.130  | 0.135  | 0.136  | 0.135  | 0.130  | 0.122  | 0.111 | 0.097 | 0.081 | 0.063 | 0.043 | 0.022 | 0.000 |
| * DEFLECTION DUE TO SUPERIMPOSED D.L.           |  | ↓                 | 0.000 | 0.010 | 0.020 | 0.030 | 0.040 | 0.048 | 0.056 | 0.062  | 0.067  | 0.069  | 0.071  | 0.069  | 0.067  | 0.062  | 0.057 | 0.049 | 0.041 | 0.031 | 0.021 | 0.011 | 0.000 |
| FINAL CAMBER                                    |  | ↑                 | 0"    | 1/8"  | 1/4"  | 3/8"  | 1/2"  | 9/16" | 5/8"  | 3/4"   | 3/4"   | 13/16" | 13/16" | 13/16" | 3/4"   | 11/16" | 5/8"  | 9/16" | 1/2"  | 3/8"  | 1/4"  | 1/8"  | 0"    |

\* INCLUDES FUTURE WEARING SURFACE  
 ALL VALUES ARE SHOWN IN FEET ( DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES ( FRACTION FORM).



111 E. Hargett Street  
 Suite 300  
 Raleigh, NC 27601  
 919-714-8670  
 meadhunt.com  
 NC License No. F-1235



DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

PROJECT NO. U-5808  
UNION COUNTY  
 STATION: 55+00.96 -L2-

SHEET 2 OF 2

|  |     |       |     |     |              |
|--|-----|-------|-----|-----|--------------|
| STATE OF NORTH CAROLINA                |     |       |     |     |              |
| DEPARTMENT OF TRANSPORTATION           |     |       |     |     |              |
| RALEIGH                                |     |       |     |     |              |
| SUPERSTRUCTURE                         |     |       |     |     |              |
| DEAD LOAD DEFLECTION AND CAMBER TABLES |     |       |     |     |              |
| REVISIONS                              |     |       |     |     | SHEET NO.    |
| NO.                                    | BY: | DATE: | NO. | BY: | DATE:        |
| 1                                      |     |       | 3   |     |              |
| 2                                      |     |       | 4   |     |              |
|  |     |       |     |     | TOTAL SHEETS |
|  |     |       |     |     | 56           |

DRAWN BY : J.S. HOBSON DATE : 05/17/23  
 CHECKED BY : C.C. CAMPBELL DATE : 06/19/23  
 DESIGN ENGINEER OF RECORD : J.S. HOBSON DATE : 08/30/23