

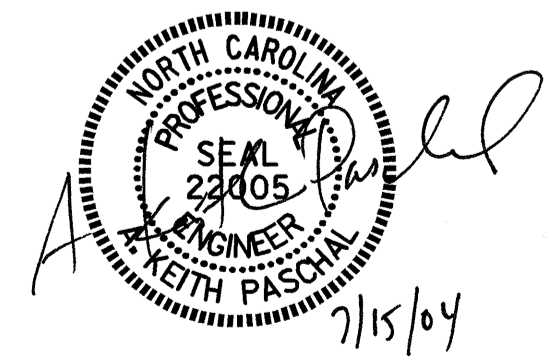
| DEAD LOAD DEFLECTION FOR GIRDERS | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| GIRDERS 1 & 6 | | | | | | | | | | | | | | | | | | | | | |
| TWENTIETH POINTS | 0 | .05 | .10 | .15 | .20 | .25 | .30 | .35 | .40 | .45 | .50 | .55 | .60 | .65 | .70 | .75 | .80 | .85 | .90 | .95 | 0 |
| DEFLECTION DUE TO WEIGHT OF GIRDER | 0.000 | 0.004 | 0.008 | 0.012 | 0.016 | 0.019 | 0.021 | 0.023 | 0.024 | 0.025 | 0.026 | 0.025 | 0.024 | 0.023 | 0.021 | 0.019 | 0.016 | 0.012 | 0.008 | 0.004 | 0.000 |
| DEFLECTION DUE TO WEIGHT OF SLAB * | 0.000 | 0.018 | 0.035 | 0.051 | 0.066 | 0.078 | 0.089 | 0.097 | 0.103 | 0.107 | 0.108 | 0.107 | 0.103 | 0.097 | 0.089 | 0.078 | 0.066 | 0.051 | 0.035 | 0.018 | 0.000 |
| DEFLECTION DUE TO WEIGHT OF SIDEWALK | 0.000 | 0.002 | 0.004 | 0.006 | 0.008 | 0.009 | 0.010 | 0.011 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.011 | 0.010 | 0.009 | 0.008 | 0.006 | 0.004 | 0.002 | 0.000 |
| TOTAL DEAD LOAD DEFLECTION | 0.000 | 0.024 | 0.047 | 0.069 | 0.090 | 0.106 | 0.120 | 0.131 | 0.139 | 0.144 | 0.146 | 0.144 | 0.139 | 0.131 | 0.120 | 0.106 | 0.090 | 0.069 | 0.047 | 0.024 | 0.000 |
| VERTICAL CURVE ORDINATE | 0.000 | 0.025 | 0.048 | 0.068 | 0.086 | 0.100 | 0.112 | 0.122 | 0.128 | 0.132 | 0.134 | 0.132 | 0.128 | 0.122 | 0.112 | 0.100 | 0.086 | 0.068 | 0.048 | 0.025 | 0.000 |
| ORDINATE DUE TO SUPERELEVATION | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| REQUIRED CAMBER | 0 | 49 | 95 | 137 | 176 | 206 | 232 | 253 | 267 | 276 | 280 | 276 | 267 | 253 | 232 | 206 | 176 | 137 | 95 | 49 | 0 |

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN METERS, EXCEPT "FINAL CAMBER" WHICH IS SHOWN IN MILLIMETERS.

| DEAD LOAD DEFLECTION FOR GIRDERS | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| GIRDERS 2 THRU 5 | | | | | | | | | | | | | | | | | | | | | |
| TWENTIETH POINTS | 0 | .05 | .10 | .15 | .20 | .25 | .30 | .35 | .40 | .45 | .50 | .55 | .60 | .65 | .70 | .75 | .80 | .85 | .90 | .95 | 0 |
| DEFLECTION DUE TO WEIGHT OF GIRDER | 0.000 | 0.004 | 0.008 | 0.012 | 0.016 | 0.019 | 0.021 | 0.023 | 0.025 | 0.025 | 0.026 | 0.025 | 0.025 | 0.023 | 0.021 | 0.019 | 0.016 | 0.012 | 0.008 | 0.004 | 0.000 |
| DEFLECTION DUE TO WEIGHT OF SLAB * | 0.000 | 0.020 | 0.040 | 0.058 | 0.075 | 0.089 | 0.101 | 0.110 | 0.117 | 0.121 | 0.123 | 0.121 | 0.117 | 0.110 | 0.101 | 0.089 | 0.075 | 0.058 | 0.040 | 0.020 | 0.000 |
| DEFLECTION DUE TO WEIGHT OF SIDEWALK | 0.000 | 0.002 | 0.004 | 0.006 | 0.007 | 0.009 | 0.010 | 0.011 | 0.012 | 0.012 | 0.012 | 0.012 | 0.012 | 0.011 | 0.010 | 0.009 | 0.007 | 0.006 | 0.004 | 0.002 | 0.000 |
| TOTAL DEAD LOAD DEFLECTION | 0.000 | 0.026 | 0.052 | 0.076 | 0.098 | 0.117 | 0.132 | 0.144 | 0.154 | 0.158 | 0.161 | 0.158 | 0.154 | 0.144 | 0.132 | 0.117 | 0.098 | 0.076 | 0.052 | 0.026 | 0.000 |
| VERTICAL CURVE ORDINATE | 0.000 | 0.025 | 0.048 | 0.068 | 0.086 | 0.100 | 0.112 | 0.122 | 0.128 | 0.132 | 0.134 | 0.132 | 0.128 | 0.122 | 0.112 | 0.100 | 0.086 | 0.068 | 0.048 | 0.025 | 0.000 |
| ORDINATE DUE TO SUPERELEVATION | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| REQUIRED CAMBER | 0 | 51 | 100 | 144 | 184 | 217 | 244 | 266 | 282 | 290 | 295 | 290 | 282 | 266 | 244 | 217 | 184 | 144 | 100 | 51 | 0 |

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN METERS, EXCEPT "FINAL CAMBER" WHICH IS SHOWN IN MILLIMETERS.

PROJECT NO. B-3256
WAKE COUNTY
STATION: 12+92.508 -L-



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
DEAD LOAD
DEFLECTION
TABLES

| REVISIONS | | | | SHEET NO. |
|-----------|-----|-------|-----|-----------|
| NO. | BY: | DATE: | NO. | DATE: |
| 1 | | | 3 | |
| 2 | | | 4 | |

TOTAL SHEETS: 26

DRAWN BY : K. McCAULEY DATE : 10/30/03
CHECKED BY : F. B. POOLE DATE : 1/08/04