

| GIRDER 2, 3 | | GIRDER ORDINATE | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| DEFLEC. DUE TO WEIGHT OF STEEL | 0.000 | 0.003 | 0.006 | 0.009 | 0.011 | 0.013 | 0.014 | 0.015 | 0.015 | 0.015 | 0.014 | 0.013 | 0.011 | 0.010 | 0.008 | 0.006 | 0.004 | 0.002 | 0.001 | 0.000 | 0.000 |
| DEFLEC. DUE TO WEIGHT OF SLAB ** | 0.000 | 0.013 | 0.026 | 0.037 | 0.047 | 0.055 | 0.060 | 0.064 | 0.065 | 0.064 | 0.060 | 0.055 | 0.048 | 0.040 | 0.032 | 0.023 | 0.015 | 0.009 | 0.004 | 0.001 | 0.000 |
| DEFLEC. DUE TO WT. OF BARRIER RAIL | 0.000 | 0.003 | 0.004 | 0.006 | 0.008 | 0.009 | 0.010 | 0.010 | 0.011 | 0.011 | 0.010 | 0.010 | 0.009 | 0.007 | 0.006 | 0.005 | 0.003 | 0.002 | 0.001 | 0.000 | 0.000 |
| TOTAL DEAD LOAD DEFLECTION | 0.000 | 0.019 | 0.036 | 0.052 | 0.066 | 0.077 | 0.089 | 0.089 | 0.091 | 0.090 | 0.084 | 0.078 | 0.068 | 0.057 | 0.046 | 0.034 | 0.022 | 0.013 | 0.006 | 0.001 | 0.000 |
| VERTICAL CURVE ORDINATE | 0.000 | 0.019 | 0.009 | 0.013 | 0.017 | 0.019 | 0.022 | 0.023 | 0.025 | 0.026 | 0.026 | 0.026 | 0.025 | 0.023 | 0.022 | 0.019 | 0.017 | 0.013 | 0.009 | 0.005 | 0.000 |
| REQUIRED CAMBER | 0 | 24 | 45 | 65 | 83 | 96 | 106 | 112 | 116 | 116 | 110 | 104 | 93 | 80 | 68 | 53 | 39 | 26 | 15 | 6 | 0 |

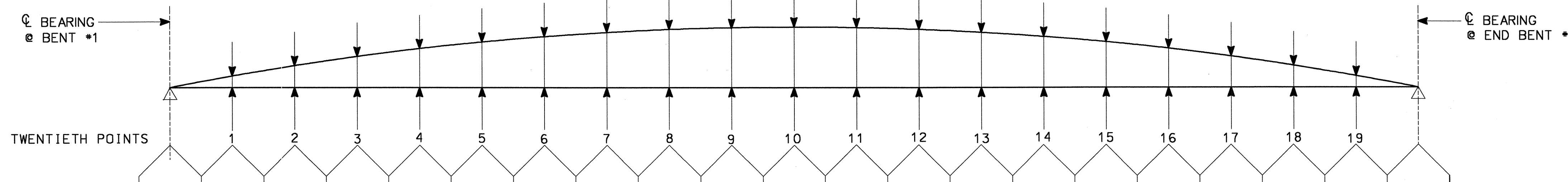
**INCLUDES SLAB, BUILDUP & STAY-IN-PLACE FORMS

| GIRDER 1, 4 | | GIRDER ORDINATE | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| DEFLEC. DUE TO WEIGHT OF STEEL | 0.000 | 0.003 | 0.006 | 0.009 | 0.011 | 0.013 | 0.014 | 0.015 | 0.015 | 0.015 | 0.014 | 0.013 | 0.011 | 0.010 | 0.008 | 0.006 | 0.004 | 0.002 | 0.001 | 0.000 | 0.000 |
| DEFLEC. DUE TO WEIGHT OF SLAB ** | 0.000 | 0.013 | 0.026 | 0.037 | 0.047 | 0.055 | 0.060 | 0.064 | 0.065 | 0.064 | 0.060 | 0.055 | 0.048 | 0.040 | 0.032 | 0.023 | 0.015 | 0.009 | 0.004 | 0.001 | 0.000 |
| DEFLEC. DUE TO WT. OF BARRIER RAIL | 0.000 | 0.002 | 0.004 | 0.006 | 0.008 | 0.009 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 | 0.010 | 0.009 | 0.008 | 0.006 | 0.005 | 0.003 | 0.002 | 0.001 | 0.000 | 0.000 |
| TOTAL DEAD LOAD DEFLECTION | 0.000 | 0.018 | 0.036 | 0.052 | 0.066 | 0.077 | 0.084 | 0.090 | 0.091 | 0.090 | 0.085 | 0.078 | 0.068 | 0.058 | 0.046 | 0.034 | 0.022 | 0.013 | 0.006 | 0.001 | 0.000 |
| VERTICAL CURVE ORDINATE | 0.000 | 0.018 | 0.009 | 0.013 | 0.017 | 0.019 | 0.022 | 0.024 | 0.025 | 0.026 | 0.026 | 0.026 | 0.025 | 0.024 | 0.022 | 0.019 | 0.017 | 0.013 | 0.009 | 0.005 | 0.000 |
| REQUIRED CAMBER | 0 | 23 | 45 | 65 | 83 | 96 | 106 | 114 | 116 | 116 | 111 | 104 | 93 | 82 | 68 | 53 | 39 | 26 | 15 | 6 | 0 |

**INCLUDES SLAB, BUILDUP & STAY-IN-PLACE FORMS

SCHEMATIC CAMBER ORDINATES SPAN A

ALL VALUES ARE SHOWN IN DECIMALS OF A METER EXCEPT "REQUIRED CAMBER" WHICH IS GIVEN IN MILLIMETERS



| GIRDER 2, 3 | | GIRDER ORDINATE | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| DEFLEC. DUE TO WEIGHT OF STEEL | 0.000 | 0.000 | 0.001 | 0.002 | 0.004 | 0.006 | 0.008 | 0.010 | 0.012 | 0.014 | 0.015 | 0.016 | 0.016 | 0.016 | 0.015 | 0.014 | 0.012 | 0.009 | 0.006 | 0.003 | 0.000 |
| DEFLEC. DUE TO WEIGHT OF SLAB ** | 0.000 | 0.001 | 0.005 | 0.010 | 0.018 | 0.026 | 0.035 | 0.044 | 0.052 | 0.059 | 0.065 | 0.068 | 0.069 | 0.068 | 0.064 | 0.058 | 0.050 | 0.039 | 0.027 | 0.014 | 0.000 |
| DEFLEC. DUE TO WT. OF BARRIER RAIL | 0.000 | 0.000 | 0.001 | 0.002 | 0.003 | 0.005 | 0.007 | 0.008 | 0.009 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.009 | 0.008 | 0.006 | 0.004 | 0.002 | 0.000 |
| TOTAL DEAD LOAD DEFLECTION | 0.000 | 0.001 | 0.007 | 0.014 | 0.025 | 0.037 | 0.050 | 0.062 | 0.073 | 0.083 | 0.091 | 0.095 | 0.096 | 0.096 | 0.089 | 0.081 | 0.070 | 0.054 | 0.037 | 0.019 | 0.000 |
| VERTICAL CURVE ORDINATE | 0.000 | 0.005 | 0.010 | 0.013 | 0.017 | 0.020 | 0.022 | 0.024 | 0.025 | 0.026 | 0.026 | 0.026 | 0.025 | 0.024 | 0.022 | 0.020 | 0.017 | 0.014 | 0.010 | 0.005 | 0.000 |
| REQUIRED CAMBER | 0 | 6 | 17 | 27 | 42 | 57 | 72 | 86 | 98 | 109 | 117 | 121 | 121 | 119 | 111 | 101 | 87 | 68 | 47 | 24 | 0 |

**INCLUDES SLAB, BUILDUP & STAY-IN-PLACE FORMS

| GIRDER 1, 4 | | GIRDER ORDINATE | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| DEFLEC. DUE TO WEIGHT OF STEEL | 0.000 | 0.000 | 0.001 | 0.002 | 0.004 | 0.006 | 0.008 | 0.010 | 0.012 | 0.014 | 0.015 | 0.016 | 0.016 | 0.016 | 0.015 | 0.014 | 0.012 | 0.009 | 0.006 | 0.003 | 0.000 |
| DEFLEC. DUE TO WEIGHT OF SLAB ** | 0.000 | 0.001 | 0.005 | 0.010 | 0.018 | 0.026 | 0.035 | 0.044 | 0.052 | 0.059 | 0.065 | 0.068 | 0.069 | 0.068 | 0.064 | 0.058 | 0.050 | 0.039 | 0.027 | 0.014 | 0.000 |
| DEFLEC. DUE TO WT. OF BARRIER RAIL | 0.000 | 0.000 | 0.001 | 0.002 | 0.004 | 0.005 | 0.007 | 0.008 | 0.009 | 0.010 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.010 | 0.008 | 0.006 | 0.004 | 0.002 | 0.000 |
| TOTAL DEAD LOAD DEFLECTION | 0.000 | 0.001 | 0.007 | 0.014 | 0.026 | 0.037 | 0.050 | 0.062 | 0.073 | 0.083 | 0.091 | 0.096 | 0.097 | 0.096 | 0.090 | 0.082 | 0.070 | 0.054 | 0.037 | 0.019 | 0.000 |
| VERTICAL CURVE ORDINATE | 0.000 | 0.005 | 0.009 | 0.013 | 0.017 | 0.020 | 0.022 | 0.024 | 0.025 | 0.026 | 0.026 | 0.026 | 0.025 | 0.024 | 0.022 | 0.020 | 0.017 | 0.013 | 0.009 | 0.005 | 0.000 |
| REQUIRED CAMBER | 0 | 6 | 16 | 27 | 43 | 57 | 72 | 86 | 98 | 109 | 122 | 122 | 122 | 119 | 112 | 102 | 87 | 67 | 46 | 24 | 0 |

**INCLUDES SLAB, BUILDUP & STAY-IN-PLACE FORMS

SCHEMATIC CAMBER ORDINATES SPAN B

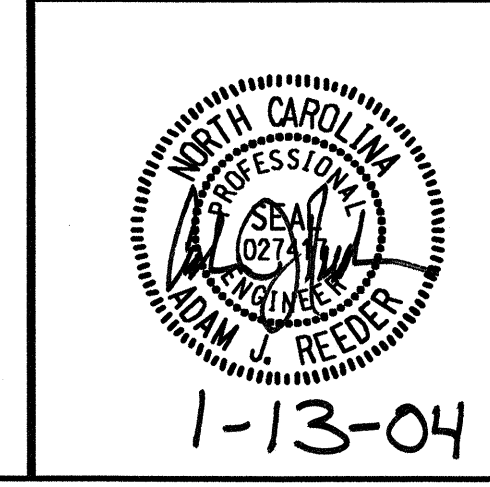
ALL VALUES ARE SHOWN IN DECIMALS OF A METER EXCEPT "REQUIRED CAMBER" WHICH IS GIVEN IN MILLIMETERS

PROJECT NO. R-2552B
JOHNSTON COUNTY
 STATION: 65+51.880 -L-
14+25.318 -Y7-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SUPERSTRUCTURE
 CAMBER DETAILS**

| REVISIONS | | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|-------|------------------|
| NO. | BY: | DATE: | NO. | BY: | DATE: | |
| 1 | | | 3 | | | 5-14 |
| 2 | | | 4 | | | TOTAL SHEETS 431 |



PBS&

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 PHONE (919) 876-8888
 FAX (919) 876-8848

DRAWN BY: AR DATE: 8/03
 CHECKED BY: JL DATE: 8/03