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| GIRDER 1 DEFLECTION AND CAMBER TABLE (SEE NOTE 3) |            |         |         |         |         |         |         |            |              |         |         |         |         |         |              |         |         |         |         |         |         |         |         |
|---|------------|---------|---------|---------|---------|---------|---------|------------|--------------|---------|---------|---------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| DESCRIPTION                                       | SPAN NO. 1 |         |         |         |         |         |         | SPAN NO. 2 |              |         |         |         |         |         | SPAN NO. 3   |         |         |         |         |         |         |         |         |
|   | 1/8 PT.    | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | 7/8 PT. | 1/8 PT.    | SPLICE NO. 1 | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | SPLICE NO. 2 | 7/8 PT. | 1/8 PT. | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | 7/8 PT. |
| DEFLECTION DUE TO WEIGHT OF STEEL                 | 1/16"      | 1/16"   | 1/8"    | 1/8"    | 1/16"   | 1/16"   | 0       | 0          | 1/16"        | 1/16"   | 1/8"    | 1/8"    | 1/8"    | 1/16"   | 1/16"        | 0       | 0       | 1/16"   | 1/16"   | 1/8"    | 1/8"    | 1/16"   | 1/16"   |
| DEFLECTION DUE TO REMAINING DEAD LOAD             | 3/16"      | 5/16"   | 3/8"    | 3/8"    | 5/16"   | 1/8"    | 1/16"   | 3/16"      | 5/16"        | 7/16"   | 5/8"    | 11/16"  | 5/8"    | 7/16"   | 5/16"        | 3/16"   | 0       | 1/8"    | 1/4"    | 5/16"   | 5/16"   | 5/16"   | 3/16"   |
| REQUIRED SHOP CAMBER                              | 1/4"       | 7/16"   | 1/2"    | 1/2"    | 3/8"    | 3/16"   | 1/16"   | 3/16"      | 5/16"        | 1/2"    | 3/4"    | 13/16"  | 3/4"    | 1/2"    | 3/8"         | 3/16"   | 0       | 3/16"   | 5/16"   | 7/16"   | 7/16"   | 3/8"    | 3/16"   |

| GIRDERS 2 AND 3 DEFLECTION AND CAMBER TABLE (SEE NOTE 3) |            |         |         |         |         |         |         |            |              |         |         |         |         |         |              |         |         |         |         |         |         |         |         |
|--|------------|---------|---------|---------|---------|---------|---------|------------|--------------|---------|---------|---------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| DESCRIPTION  | SPAN NO. 1 |         |         |         |         |         |         | SPAN NO. 2 |              |         |         |         |         |         | SPAN NO. 3   |         |         |         |         |         |         |         |         |
|  | 1/8 PT.    | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | 7/8 PT. | 1/8 PT.    | SPLICE NO. 1 | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | SPLICE NO. 2 | 7/8 PT. | 1/8 PT. | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | 7/8 PT. |
| DEFLECTION DUE TO WEIGHT OF STEEL                        | 1/16"      | 1/16"   | 1/8"    | 1/8"    | 1/16"   | 1/16"   | 0       | 0          | 1/16"        | 1/16"   | 1/8"    | 1/8"    | 1/8"    | 1/16"   | 1/16"        | 0       | 0       | 1/16"   | 1/16"   | 1/8"    | 1/8"    | 1/16"   | 1/16"   |
| DEFLECTION DUE TO REMAINING DEAD LOAD                    | 3/16"      | 3/8"    | 7/16"   | 7/16"   | 5/16"   | 3/16"   | 1/16"   | 1/8"       | 1/4"         | 3/8"    | 9/16"   | 5/8"    | 9/16"   | 3/8"    | 5/16"        | 1/8"    | 1/16"   | 3/16"   | 5/16"   | 7/16"   | 7/16"   | 3/8"    | 3/16"   |
| REQUIRED SHOP CAMBER                                     | 1/4"       | 7/16"   | 9/16"   | 9/16"   | 7/16"   | 1/4"    | 1/16"   | 3/16"      | 5/16"        | 7/16"   | 11/16"  | 3/4"    | 11/16"  | 7/16"   | 3/8"         | 3/16"   | 1/16"   | 1/4"    | 7/16"   | 9/16"   | 9/16"   | 7/16"   | 1/4"    |

| GIRDERS A - F DEFLECTION TABLE (SEE NOTE 3) |            |         |         |         |         |         |         |            |         |         |         |         |         |         |            |         |         |         |         |         |         |  |
|---|------------|---------|---------|---------|---------|---------|---------|------------|---------|---------|---------|---------|---------|---------|------------|---------|---------|---------|---------|---------|---------|--|
| DESCRIPTION                                 | SPAN NO. 1 |         |         |         |         |         |         | SPAN NO. 2 |         |         |         |         |         |         | SPAN NO. 3 |         |         |         |         |         |         |  |
|   | 1/8 PT.    | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | 7/8 PT. | 1/8 PT.    | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | 7/8 PT. | 1/8 PT.    | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | 7/8 PT. |  |
| DEFLECTION DUE TO SLAB                      | 3/16"      | 5/16"   | 3/8"    | 3/8"    | 1/4"    | 1/8"    | 1/16"   | 1/16"      | 1/4"    | 3/8"    | 7/16"   | 3/8"    | 1/4"    | 1/16"   | 1/16"      | 1/8"    | 1/4"    | 3/8"    | 3/8"    | 5/16"   | 3/16"   |  |
| DEFLECTION DUE TO COMPOSITE DEAD LOAD       | 0          | 1/16"   | 1/16"   | 1/16"   | 1/16"   | 0       | 0       | 0          | 1/16"   | 1/16"   | 1/16"   | 1/16"   | 1/16"   | 0       | 0          | 0       | 1/16"   | 1/16"   | 1/16"   | 1/16"   | 0       |  |
| TOTAL DEFLECTION                            | 3/16"      | 3/8"    | 7/16"   | 3/8"    | 5/16"   | 3/16"   | 1/16"   | 1/16"      | 1/4"    | 7/16"   | 1/2"    | 7/16"   | 1/4"    | 1/16"   | 1/16"      | 3/16"   | 5/16"   | 3/8"    | 7/16"   | 3/8"    | 3/16"   |  |

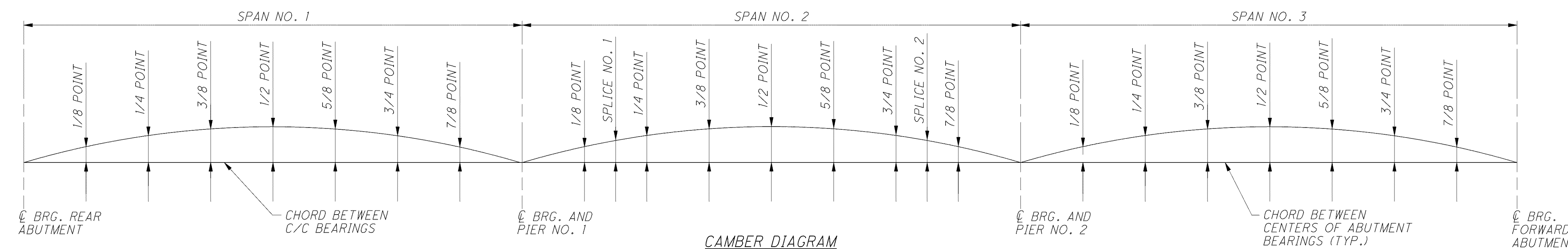
| GIRDER G DEFLECTION TABLE (SEE NOTE 3) |            |         |         |         |         |         |         |            |         |         |         |         |         |         |            |         |         |         |         |         |         |  |
|--|------------|---------|---------|---------|---------|---------|---------|------------|---------|---------|---------|---------|---------|---------|------------|---------|---------|---------|---------|---------|---------|--|
| DESCRIPTION                            | SPAN NO. 1 |         |         |         |         |         |         | SPAN NO. 2 |         |         |         |         |         |         | SPAN NO. 3 |         |         |         |         |         |         |  |
|  | 1/8 PT.    | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | 7/8 PT. | 1/8 PT.    | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | 7/8 PT. | 1/8 PT.    | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | 7/8 PT. |  |
| DEFLECTION DUE TO SLAB                 | 1/8"       | 1/4"    | 5/16"   | 5/16"   | 1/4"    | 1/8"    | 1/16"   | 1/16"      | 3/16"   | 5/16"   | 5/16"   | 5/16"   | 3/16"   | 1/16"   | 1/16"      | 1/8"    | 1/4"    | 5/16"   | 5/16"   | 1/4"    | 1/8"    |  |
| DEFLECTION DUE TO COMPOSITE DEAD LOAD  | 0          | 1/16"   | 1/16"   | 1/16"   | 1/16"   | 0       | 0       | 0          | 1/16"   | 1/16"   | 1/16"   | 1/16"   | 1/16"   | 0       | 0          | 0       | 1/16"   | 1/16"   | 1/16"   | 1/16"   | 0       |  |
| TOTAL DEFLECTION                       | 3/16"      | 5/16"   | 3/8"    | 5/16"   | 1/4"    | 1/8"    | 1/16"   | 1/16"      | 3/16"   | 3/8"    | 3/8"    | 3/8"    | 3/16"   | 1/16"   | 1/16"      | 1/8"    | 1/4"    | 5/16"   | 3/8"    | 5/16"   | 3/16"   |  |

| GIRDER 4 DEFLECTION AND CAMBER TABLE (SEE NOTE 3) |            |         |         |         |         |         |         |            |              |         |         |         |         |         |              |         |         |         |         |         |         |         |         |
|---|------------|---------|---------|---------|---------|---------|---------|------------|--------------|---------|---------|---------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| DESCRIPTION                                       | SPAN NO. 1 |         |         |         |         |         |         | SPAN NO. 2 |              |         |         |         |         |         | SPAN NO. 3   |         |         |         |         |         |         |         |         |
|   | 1/8 PT.    | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | 7/8 PT. | 1/8 PT.    | SPLICE NO. 1 | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | SPLICE NO. 2 | 7/8 PT. | 1/8 PT. | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | 7/8 PT. |
| DEFLECTION DUE TO WEIGHT OF STEEL                 | 1/16"      | 1/16"   | 1/8"    | 1/8"    | 1/16"   | 1/16"   | 0       | 0          | 1/16"        | 1/16"   | 1/8"    | 1/8"    | 1/8"    | 1/16"   | 1/16"        | 0       | 0       | 1/16"   | 1/16"   | 1/8"    | 1/8"    | 1/16"   | 1/16"   |
| DEFLECTION DUE TO REMAINING DEAD LOAD             | 1/8"       | 1/4"    | 5/16"   | 5/16"   | 1/4"    | 1/8"    | 1/16"   | 1/8"       | 3/16"        | 1/4"    | 3/8"    | 7/16"   | 3/8"    | 1/4"    | 3/16"        | 1/8"    | 1/16"   | 1/8"    | 1/4"    | 5/16"   | 5/16"   | 1/4"    | 1/8"    |
| REQUIRED SHOP CAMBER                              | 3/16"      | 5/16"   | 7/16"   | 3/8"    | 5/16"   | 3/16"   | 1/16"   | 1/8"       | 1/4"         | 5/16"   | 1/2"    | 9/16"   | 1/2"    | 5/16"   | 1/4"         | 1/8"    | 1/16"   | 3/16"   | 5/16"   | 3/8"    | 7/16"   | 5/16"   | 3/16"   |

| GIRDER 5 DEFLECTION AND CAMBER TABLE (SEE NOTE 3) |            |         |         |         |         |         |         |            |              |         |         |         |         |         |              |         |         |         |         |         |         |         |         |
|---|------------|---------|---------|---------|---------|---------|---------|------------|--------------|---------|---------|---------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| DESCRIPTION                                       | SPAN NO. 1 |         |         |         |         |         |         | SPAN NO. 2 |              |         |         |         |         |         | SPAN NO. 3   |         |         |         |         |         |         |         |         |
|   | 1/8 PT.    | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | 7/8 PT. | 1/8 PT.    | SPLICE NO. 1 | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | SPLICE NO. 2 | 7/8 PT. | 1/8 PT. | 1/4 PT. | 3/8 PT. | 1/2 PT. | 5/8 PT. | 3/4 PT. | 7/8 PT. |
| DEFLECTION DUE TO WEIGHT OF STEEL                 | 1/16"      | 1/16"   | 1/8"    | 1/8"    | 1/16"   | 1/16"   | 0       | 0          | 1/16"        | 1/16"   | 1/8"    | 1/8"    | 1/8"    | 1/16"   | 1/16"        | 0       | 0       | 1/16"   | 1/16"   | 1/8"    | 1/8"    | 1/16"   | 1/16"   |
| DEFLECTION DUE TO REMAINING DEAD LOAD             | 1/8"       | 1/4"    | 5/16"   | 5/16"   | 1/4"    | 1/8"    | 1/16"   | 1/16"      | 1/8"         | 3/16"   | 1/4"    | 5/16"   | 1/4"    | 3/16"   | 1/8"         | 1/16"   | 1/16"   | 3/16"   | 1/4"    | 5/16"   | 5/16"   | 1/4"    | 1/8"    |
| REQUIRED SHOP CAMBER                              | 3/16"      | 3/8"    | 7/16"   | 7/16"   | 5/16"   | 3/16"   | 1/16"   | 1/16"      | 3/16"        | 1/4"    | 3/8"    | 7/16"   | 3/8"    | 1/4"    | 3/16"        | 1/16"   | 1/16"   | 3/16"   | 3/8"    | 7/16"   | 7/16"   | 3/8"    | 3/16"   |

**NOTES**

- FOR FRAMING PLANS FOR THE LEFT AND RIGHT STRUCTURES SEE SHEETS [29 | 56] AND [30 | 56].
- FOR BEAM ELEVATIONS AND SPLICE DETAILS SEE SHEETS [31 | 56] AND [32 | 56].
- DEFLECTION AND CAMBER AT ALL BEARING POINTS IS ZERO (0) INCHES.



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DATE: 12/07

REVIEWED: RBB

STRUCTURE FILE NUMBER: 4300750 (R)

DESIGNED: MVD

CHECKED: FJG

DRAWN: CAF

REVISED:

DEFLECTION AND CAMBER TABLE

BRIDGE NO. LAK-2-0530 L&R

STATE ROUTE 2 OVER CHAGRIN RIVER

LAK-2-3.32

PID 13486

33/56

1495  
1679