

G:\Project\CV000048A001\Drawing\LAK\13486\bridge\LAK002\_0530L\_sheets\002\_0530CSD01.2.dgn 6/24/2008 5:14:25 PM mbcenter

GIRDER 6 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"	3/16"	1/8"	0	1/8"	3/16"	3/8"	1/2"	9/16"	1/2"	3/8"	1/4"	1/8"	0	1/8"	3/16"	1/4"	5/16"	1/4"	1/8"
REQUIRED SHOP CAMBER	3/16"	5/16"	3/8"	3/8"	5/16"	1/8"	1/16"	3/16"	1/4"	7/16"	5/8"	11/16"	5/8"	7/16"	5/16"	3/16"	0	1/8"	1/4"	3/8"	3/8"	5/16"	3/16"

GIRDER 7 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"	1/4"	5/16"	5/16"	1/4"	1/8"	1/16"	1/8"	3/16"	5/16"	7/16"	1/2"	7/16"	5/16"	1/4"	1/8"	1/16"	1/8"	1/4"	5/16"	5/16"	1/4"	3/16"
REQUIRED SHOP CAMBER	3/16"	3/8"	7/16"	7/16"	5/16"	3/16"	1/16"	1/8"	3/16"	3/8"	9/16"	5/8"	9/16"	3/8"	1/4"	1/8"	1/16"	3/16"	5/16"	7/16"	7/16"	3/8"	3/16"

GIRDER H 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"	3/8"	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	1/16"	0	1/16"	1/16"	1/16"	1/16"	0
TOTAL DEFLECTION	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"	1/8"	1/8"	1/4"	3/8"	3/8"	5/16"	3/16"

GIRDERS J - N 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"	3/16"	3/8"	7/16"	3/8"	3/16"	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"	0	0	0	0	0	1/16"	1/16"	1/16"	0	0	0	0	0	1/16"	1/16"	1/16"	0
TOTAL DEFLECTION	3/16"	5/16"	7/16"	3/8"	5/16"	3/16"	1/16"	1/16"	1/4"	3/8"	7/16"	3/8"	1/4"	1/16"	1/16"	3/16"	5/16"	3/8"	3/8"	5/16"	3/16"

GIRDERS 8 - 10 DEFLECTION AND CAMBER TABLE (SEE NOTE 3)

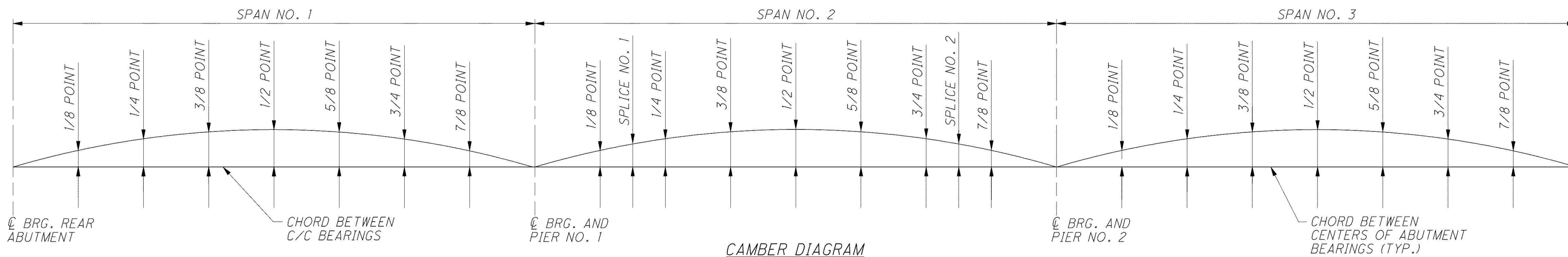
DESCRIPTION	SPAN NO. 1							SPAN NO. 2							SPAN NO. 3								
	1/8 PT.	1/4 PT.	3/8 PT.	1/2 PT.	5/8 PT.	3/4 PT.	7/8 PT.	1/8 PT.	SPLICE NO. 1	1/4 PT.	3/8 PT.	1/2 PT.	5/8 PT.	3/4 PT.	SPLICE NO. 2	7/8 PT.	1/8 PT.	1/4 PT.	3/8 PT.	1/2 PT.	5/8 PT.	3/4 PT.	7/8 PT.
DEFLECTION DUE TO WEIGHT OF STEEL	1/16"	1/16"	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"	3/16"	1/16"	1/8"	3/16"	5/16"	1/2"	9/16"	1/2"	5/16"	1/4"	1/8"	1/16"	3/16"	5/16"	3/8"	3/8"	5/16"	3/16"
REQUIRED SHOP CAMBER	1/4"	7/16"	1/2"	1/2"	3/8"	3/16"	1/16"	1/8"	1/4"	3/8"	5/8"	11/16"	5/8"	3/8"	5/16"	1/8"	1/16"	3/16"	3/8"	1/2"	1/2"	7/16"	1/4"

GIRDER 11 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"	3/16"	1/16"	1/8"	3/16"	5/16"	1/2"	9/16"	1/2"	5/16"	1/4"	1/8"	1/16"	1/8"	1/4"	5/16"	3/8"	5/16"	3/16"
REQUIRED SHOP CAMBER	1/4"	7/16"	1/2"	1/2"	3/8"	1/4"	1/16"	1/8"	1/4"	3/8"	9/16"	11/16"	5/8"	3/8"	5/16"	1/8"	1/16"	3/16"	5/16"	7/16"	7/16"	3/8"	3/16"

GIRDER 12 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"	1/16"	1/8"	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	1/4"	7/16"	1/2"	1/2"	7/16"	1/4"	1/16"	1/8"	3/16"	5/16"	1/2"	9/16"	1/2"	5/16"	1/4"	1/8"	1/16"	3/16"	5/16"	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.

DESIGN AGENCY: **ARCADIS**  
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 DATE: 12/07  
 REVIEWED: RBB  
 STRUCTURE FILE NUMBER: 4300750 (R)  
 DRAWN: CAF  
 CHECKED: MVD  
 DESIGNED: FJC  
 DEFLECTION AND CAMBER TABLES  
 BRIDGE NO. LAK-2-0530 L&R  
 STATE ROUTE 2 OVER CHAGRIN RIVER  
**LAK-2-3.32**  
**PID 13486**  
 34/56  
 1496  
 1679