



DEAD LOAD DEFLECTION DIAGRAM

NOTES:
 1. ENCIRCLED NUMBERS INDICATE ANTICIPATED DEFLECTION DUE TO CONCRETE ONLY.
 2. DEFLECTIONS ARE IN INCHES.

LOAD NAME	MOMENT - k/ft		MOMENT AND REACTION TABLE						REACTION - kips			
	LOAD - k/ft		POSITIVE MOMENT				NEGATIVE MOMENT		REACTION			
	INTERIOR	EXTERIOR	0.4 PT. END SPAN	0.5 PT. CENTER SPAN	PIER INTERIOR	PIER EXTERIOR	ABUTMENT INTERIOR	ABUTMENT EXTERIOR	PIER INTERIOR	PIER EXTERIOR		
D.L. NO. 1	0.74	0.72	360	352	411	402	810	792	26	26	94	92
D.L. NO. 2	0.29	0.29	121	117	166	155	226	237	8	8	29	29
LIVE LOAD + IMPACT HS20-44 LANE TRUCK	MOMENT	MOMENT	810	756	907	827	-	-	59	50	-	-
	REACTION	REACTION	-	-	-	-	611	605	-	-	77	73
TOTAL	-	-	-	-	-	-	1647	1634	93	84	200	194

* LOAD VALUES DO NOT INCLUDE GIRDER WEIGHT.
 MOMENT AND REACTION VALUES DO INCLUDE GIRDER WEIGHT.
 MOMENTS AND REACTIONS SHOWN ARE UNFACTORED.

LATEST REVISION DATE	<i>Thomas E. Mc Donnell</i> APPROVED BY BRIDGE ENGINEER		
		STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES FEBRUARY, 2004	
		BEAM DEFLECTIONS 260'-0 BRIDGE	RS40-BD6-04