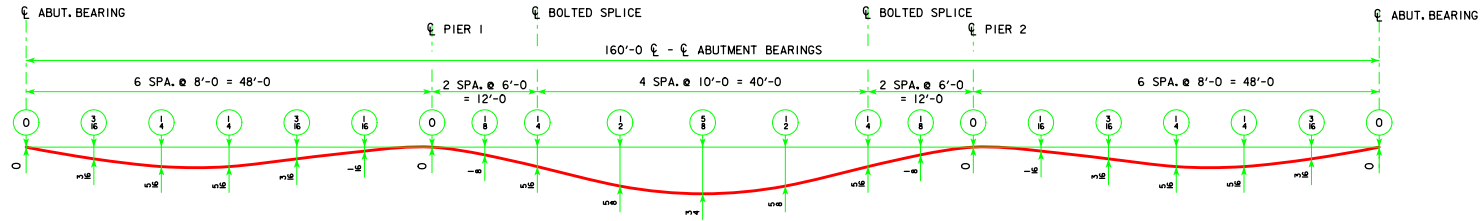


REVISED 04-2014 - MOVED THE REACTION LIVE LOAD IMPACT COLUMN NUMBERS IN THE MOMENT ROW TO THE REACTION ROW.



### DEAD LOAD DEFLECTION DIAGRAM

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

		MOMENT - foot-kips						REACTION - kips					
LOAD NAME	LOAD - k/ft	POSITIVE MOMENT				NEGATIVE MOMENT		REACTION					
		0.4 PT. END SPAN		0.5 PT. CENTER SPAN		PIER	PIER	ABUTMENT	ABUTMENT	PIER	PIER		
		INTERIOR	EXTERIOR	INTERIOR	EXTERIOR	INTERIOR	EXTERIOR	INTERIOR	EXTERIOR	INTERIOR	EXTERIOR		
DC1	0.74*	0.72*	129	120	167	155	279	259	16	15	55	51	
DC2	0.14	0.14	24	24	35	35	38	38	3	3	9	9	
DW	0.15	0.15	25	25	37	36	39	39	3	3	9	9	
LIVE LOAD + IMPACT HL-93	DISTRIBUTION FACTOR	MOMENT	MOMENT										
		0.635	0.681	538	577	606	699	339	380	-	-	-	-
		REACTION	REACTION							69	61	101	89
TOTAL									91	82	174	158	

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

04-2014 LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES <b>ROLLED STEEL BEAM BRIDGES</b> JUNE, 2010	
		<b>BEAM DEFLECTIONS</b> 160'-0 BRIDGE	<b>RS40-061-10</b>