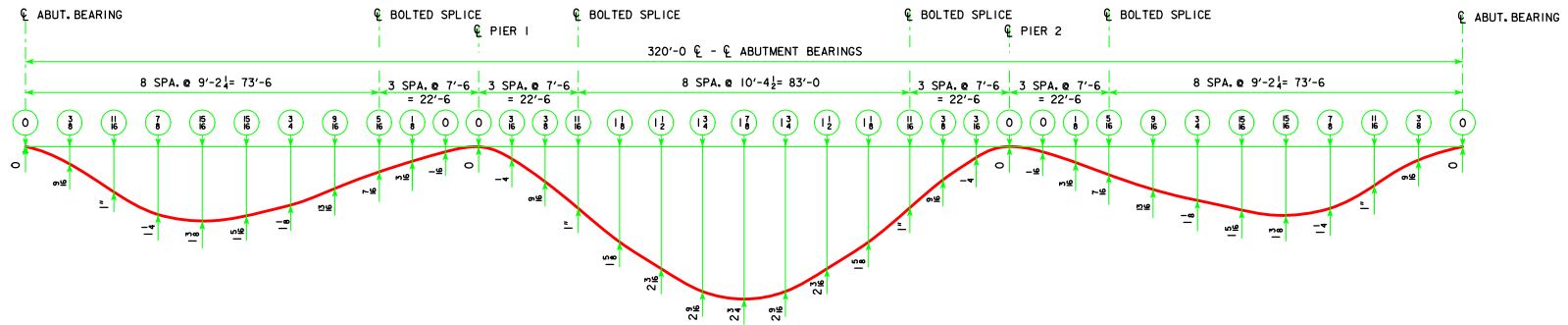


REVISED 04-2014 - MOVED THE REACTION LIVE LOAD IMPACT COLUMN NUMBERS IN THE MOMENT ROW TO THE REACTION ROW.



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		PIER			
		INTERIOR	EXTERIOR	INTERIOR	EXTERIOR	INTERIOR	EXTERIOR	INTERIOR	EXTERIOR	INTERIOR	EXTERIOR		
DC1	0.74*	0.72*		565	531	680	639	1406	1321	35	33	132	124
DC2	0.14	0.14		87	86	115	114	175	176	5	5	18	18
DW	0.15	0.15		91	90	120	119	183	184	5	5	18	18
LIVE LOAD + IMPACT HL-93	DISTRIBUTION FACTOR	MOMENT	MOMENT										
		0.591	0.681	1302	1500	1511	1869	1260	1488	-	-	-	-
		REACTION	REACTION							87	77	163	143
		0.772	0.681										
TOTAL				-	-	-	-	3024	3169	132	120	331	303

* 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 ROLLED STEEL BEAM BRIDGES JUNE, 2010
		<div style="text-align: center;"> BEAM DEFLECTIONS 320'-0 BRIDGE </div> <div style="text-align: center;"> RS40-069-10 </div>