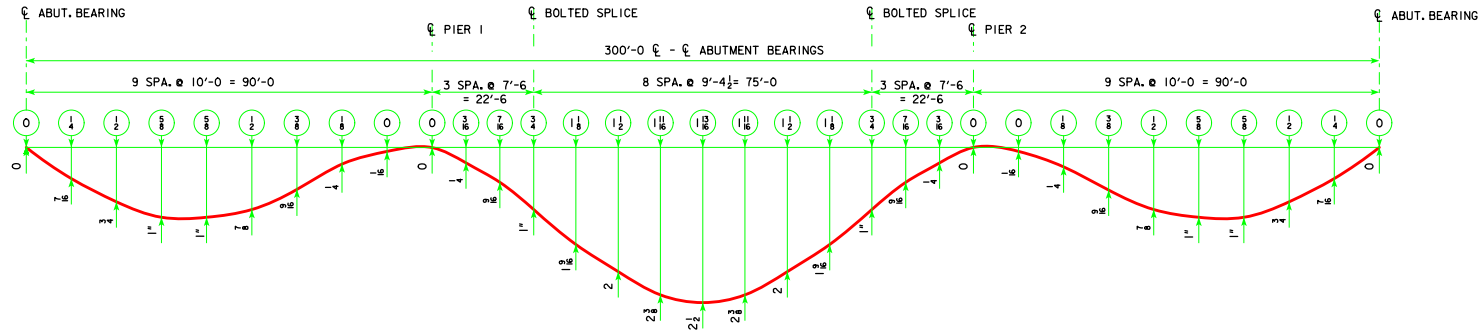


REVISED 04-2014 - MOVED THE REACTION LIVE LOAD IMPACT COLUMN NUMBERS IN THE MOMENT ROW TO THE REACTION ROW.



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*	542	511	606	567	1189	1117	35	33	121	114	
DC2	0.14	0.14	79	78	107	106	148	149	5	5	17	17	
DW	0.15	0.15	82	82	112	111	155	156	5	5	17	17	
LIVE LOAD + IMPACT HL-93	DISTRIBUTION FACTOR	MOMENT	MOMENT										
		0.609	0.681	1272	1420	1370	1669	1083	1269	-	-	-	-
		REACTION	REACTION							86	76	154	135
TOTAL													

* 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
		BEAM DEFLECTIONS 300'-0 BRIDGE
		RS40-068-10