

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date December 1, 2007
Attention All Employees Ref No. 521.1
From Gary Novey
Office Bridges and Structures
Subject Revision to J24-06, J30-06, J40-06, J44-06 Continuous Concrete Slab Bridge Standards.
CADD M0091

Electronic copies are available in the following Office of Bridges and Structures standard directory **W:\Highway\Bridge\Standards\Bridges** and on the Internet:

<http://www.dot.state.ia.us/bridge/standard.htm>

The following changes were made to the J24-06, J30-06, J40-06, and J44-06:

1. J24-01-06, J30-01-06, J40-01-06, J44-01-06

The following “Designer Notes and Design Considerations” was changed for allowable depth to rock. The updated note reads as follows:

IF ROCK IS ENCOUNTERED LESS THAN 5 FOOT BELOW THE PREBORED HOLES, A SPECIAL ANALYSIS WILL BE REQUIRED. WHEN PREBORING IS NOT REQUIRED FOR THE ABUTMENT FOOTING AND ROCK IS ENCOUNTERED LESS THAN 10 FOOT BELOW THE BOTTOM OF ABUTMENT FOOTING A SPECIAL ANALYSIS WILL BE REQUIRED.

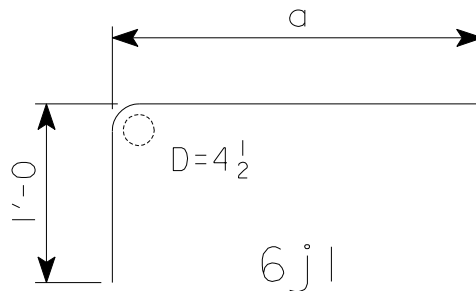
2. J24-40-06, J30-43-06, J40-48-06, J44-48-06

Part Section B-B was revised to show a “variable” dimension for the slab depth.

3. J24-41-06, J30-44-06, J40-49-06, J44-49-06

The 6j1 bar for the open rail detail sheets were revised to a variable bar as shown in the table below. In addition the bar lengths and weights for the 6j1 bar were revised in the reinforcing steel tables.

Bridge Length	“a” dimension	Total length	Total number	Revised bar weight
70	3'-6	4'-6	152	1027
80	3'-7	4'-7	184	1267
90	3'-8	4'-8	200	1402
100	3'-9	4'-9	216	1541
110	3'-10	4'-10	232	1684
120	3'-11	4'-11	264	1950
130	4'-1	5'-1	280	2138
140	4'-2	5'-2	296	2297
150	4'-3	5'-3	312	2460



4. J24-03-06, J24-05-06, J24-07-06, J24-09-06, J24-11-06, J24-13-06, J24-15-06, J24-17-06, and J24-19-06

J30-03B-06, J30-05B-06, J30-07B-06, J30-09B-06, J30-11B-06, J30-13B-06, J30-15B-06, J30-17B-06, and J30-19B-06,

J30-03E-06, J30-05E-06, J30-07E-06, J30-09E-06, J30-11E-06, J30-13E-06, J30-15E-06, J30-17E-06, and J30-19E-06,

J40-03-06, J40-05-06, J40-07-06, J40-09-06, J40-11-06, J40-13-06, J40-15-06, J40-17-06, and J40-19-06

J44-03-06, J44-05-06, J44-07-06, J44-09-06, J44-11-06, J44-13-06, J44-15-06, J44-17-06, and J44-19-06

The reinforcing bar weight was revised for the open rail in the “Bill of Reinforcing Steel for Superstructure” for each bridge span and in the “Estimated Quantities for Superstructure”.

If you have any questions on the updated sheets, please check with Thayne Sorenson or Dean Bierwagen.

GAN/dgb/bj