

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges & Structures, Local Systems, Research & Technology Date July 30, 2009
Attention All Bridge Employees, LeRoy Bergmann, and Mark Dunn Ref No. 521.1
From Gary Novey
Office Bridges and Structures
Subject Revision of J24-06, J30-06, J40-06 and J44-06 Continuous Concrete Slab Standards.
(CADD M0154)

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

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

The J24-06, J30-06, J40-06 and J44-06 continuous concrete slab standards have been revised as follows:

- 1) J24-01-06, J30-01-06, J40-01-06, and J44-01-06
 - a) Revised references to the specifications for the new 2009 Standard Specifications.
 - b) Updated Index
 - c) Updated table note for reinforcing bar labeling
- 2) 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, J30-02B-06 to J30-19E-06, J40-02-06 to J40-19-06, and J44-02-06 to J44-19-06
 - a) Updated the reinforcing weights for the open rail option on the “Bill of Reinforcing Steel for Superstructure” and on the “Estimated Quantities for Superstructure” for each bridge length.
 - b) Updated the reinforcing weights for the barrier rail option on the “Bill of Reinforcing Steel for Superstructure” and on the “Estimated Quantities for Superstructure” for each bridge length.
 - c) Updated the “Concrete Sealer Limits for Open Rails” detail and related notes to seal the top, front, and bottom of the rails as well as all sides of the rail posts.
 - d) Added asterisk (*) and note “*NOTE: DOUBLE DRIP GROOVE FOR OPEN RAIL OPTION ONLY” to clarify the use of the double drip groove detail.

3) J24-20-06

a) Revised 6c1 Bar locations in Part Plan Views for all skews

4) J30-20-06, J40-20-06, and J44-20-06

Revised the 6c1 and 6c11 bar placement in the “Part Plan“ view for all skews to 6c4 bars.

5) J30-21-06, J30-22-06, J30-23-06, J30-24-06, J40-21-06, J40-22-06, J40-23-06, J40-24-06, J44-21-06, J44-22-06, J44-23-06, and J44-24-06

Corrected the deck drain details.

6) J24-33-06, J24-39-06, J30-33-06, J30-39-06, J40-38-06, J40-44-06, J44-38-06, and J44-44-06

Corrected “Structural Concrete (Bridge) quantity.

7) J30-40-06, J40-45-06, & J44-45-06

Revised the specification reference numbers.

8) J24-41-06, J30-44-06, J40-49-06, and J44-49-06

Corrected reinforcing bar number for 6d1 to 24 and 6d2 to 28 and updated reinforcing weight for each bridge length for the open rail option.

9) J30-42-06, J40-47-06, and J44-47-06

Eliminated reinforcing bar number 6d11 and added these bars to the 6d4 bar quantities and updated reinforcing weight for the barrier rail end sections.

10) J30-41-06, J40-46-06, and J44-46-06

Revised weight for barrier rail end sections and reinforcing weight for each bridge length.

11) J24-43-06, J30-46-06, J40-51-06, and J44-51-06

Revised references to the specifications for the new 2009 Standard Specifications.

12) J24-44-06, J30-47-06, J40-52-06, and J44-52-06

Updated the “Abutment Backfill Details” and Note to show the floodable backfill.

13) J24-45-06, J30-48-06, J40-53-06, and J44-53-06

Added an additional “Abutment Backfill Details” sheet for skewed bridge options.

These revised standards should be used on all new projects with continuous concrete slab bridge for projects let after October 1, 2009. If you have any questions on the issued standards, please check with Thayne Sorenson or Dean Bierwagen.

GAN/dgb/bj