

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures

Date September 4, 2007

Attention All Employees

Ref No. 521.1

From Gary Novey

Office Bridges and Structures

Subject Method's Memo No. 174 (Bridge Plan Deck Dimension Table)

The Office of Bridges and Structures will begin to include a Bridge Deck Dimensions table on the Notes and Quantities sheet of all bridge plans starting with the November 2007 letting. This table provides information to the Office of Contracts for entry into the BAMS/DSS database. The information will then be available in order to analyze costs for a particular bridge and to make cost comparisons between bridges. The format of the tables for English and metric plans are as shown below:

E110

| BRIDGE DECK DIMENSIONS TABLE | | | |
|------------------------------|--------------------|-------|----------|
| ITEM | | UNITS | QUANTITY |
| 1 | DECK LENGTH | L.F. | |
| 2 | MINIMUM DECK WIDTH | L.F. | |
| 3 | MAXIMUM DECK WIDTH | L.F. | |
| 4 | DECK AREA | S.F. | |

1. Deck length is measured from face-to-face of paving notches along the centerline of the roadway.
- 2,3. Deck widths are measured from out-to-out of deck perpendicular to the centerline of roadway.
4. Deck area is to be based on the face-to-face paving notch distance and out-to-out deck dimensions.

M110

| BRIDGE DECK DIMENSIONS TABLE | | | |
|------------------------------|--------------------|----------------|----------|
| ITEM | | UNITS | QUANTITY |
| 1 | DECK LENGTH | M | |
| 2 | MINIMUM DECK WIDTH | M | |
| 3 | MAXIMUM DECK WIDTH | M | |
| 4 | DECK AREA | M ² | |

1. Deck length is measured from face-to-face of paving notches along the centerline of the roadway.
- 2,3. Deck widths are measured from out-to-out of deck perpendicular to the centerline of roadway.
4. Deck area is to be based on the face-to-face paving notch distance and out-to-out deck dimensions.

Note: Lengths should be to the nearest 0.1 of a foot (0.01m) and areas should be to the nearest 1 ft² (0.1m²)

GAN:dgb:bj