

Design Standards Letter

Letter Number: G-1961-75

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Effective Date: 10/23/1961

Section/Plan No.: None

Subject: Revised Standard Drawings 53.13, 53.24, 53.30 and 53.31 Box Culverts and 55.01 - Steel Bar Dams

Body

TO ALL DIVISION, DISTRICT AND URBAN ENGINEERS

We are mailing under separate cover several 8 1/2" x 11" copies of the following revised standard drawings.

Standard 53.13 - Skewed Box Culverts

Revised reference to Standard 53.10, 11, and 12 in note under the table for wing beams to read Standard 53.10 and 53.31. Added Note to omit J2 bars in boxes covered by Std. 53.31.

Standard 53.24 - Skewed Box Culverts

Revised reference to Standard 53.20, 21, and 22 in note under the table for wing beams to read Standards 53.15, 53.20 and 53.30. Added note to omit J2 bars in boxes covered by Standard 53.30.

Standard 53.30 - Box Culverts

Revised reference to Standard 53.19 in general notes to read Standard 53.24.

Standard 53.31 - Box Culverts

Revised Standard C-31 to Standard 53.13 in note under section for Longitudinal Elevation (Square Box).

Standard 55.01 - Steel Dams for Bridge Resurfacing

A new steel dam designed for finger plate expansion joints has been added, and called Type A steel bar dams. The dam used for plate type expansion joints is now called Type B.

Your attention is directed to the following note on **Standard** 55.01 for the Type "A" dam.

"Based on 60° temperature, space "A" to be 2" for expansion joints designed for 200 feet or less of bridge expansion and this space increased 1/4" for each 50 feet of additional expansion length up to maximum of 2 1/2". Space "A" is measured parallel to centerline of roadway."

The revisions in the Box Culvert Standards will eliminate the use of Standard 53.19 in future plans.

Additional copies of these standards will be furnished upon request.

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