

Designer Note: Insert into contracts with precast concrete or cast-in-place concrete box culverts with skew ≤ 30 degrees regardless of the design fill **and** also skews > 30 degrees with design fill > 5 feet. Also, read All Bridge Designer Memo for LRFD Design Requirements for Precast and CIP Concrete Box Culverts to ensure the proper information is shown on the plans.

CONCRETE BOX CULVERTS WITH SKEWS ≤ 30 DEGREES REGARDLESS OF DESIGN FILL AND SKEWS > 30 DEGREES WITH DESIGN FILLS > 5 FEET (BDE)

Effective: April 1, 2012

Revised: April 1, 2014

Revise the second paragraph of Article 540.04 of the Standard Specifications to read:

"Unless otherwise noted on the plans, the Contractor shall have the option, when a cast-in-place concrete box culvert is specified, of constructing the box culvert using precast box culvert sections when the design cover is 6 in. (150 mm) minimum. The precast box culvert sections shall be designed for the same design cover shown on the plans for cast-in-place box culvert; shall be of equal or larger size opening, and shall satisfy the design requirements of ASTM C 1577."