



October 15, 2003

DESIGN MEMORANDUM No. 03-17
TECHNICAL ADVISORY

TO: All Design, Operations, and District Personnel, and Consultants

FROM: /s/ Anthony L. Uremovich
Anthony L. Uremovich
Design Policy Engineer
Contracts and Construction Division

SUBJECT: Reinforced Concrete Bridge Approaches (RCBA)

COMPLEMENTS: *Indiana Design Manual Section 17-4.09*

EFFECTIVE: Immediately

The design procedure for the subject work has been revised as described in *Manual* Section 17-4.09, which shows the revision date of June 2003. The designer should review this new procedure when setting out to design and determine pay quantities for an RCBA.

REINFORCEMENT. A top mat of reinforcing steel has been incorporated into the RCBA. Both mats are to be epoxy coated. Quantities for both mats should be determined, included in the total epoxy coated reinforcing steel quantity, and shown on the plans in the Structure Quantities table on the Bridge Summary sheet.

SKEWED STRUCTURE. For an RCBA to a skewed structure, RCBA details, reinforcement bending diagrams and cutting diagrams, and a bill of materials should be shown on the plans.

SPECIFICATIONS, DETAILS, AND PAY ITEMS. Recurring Special Provision 609-R-443, and Recurring Plan Details 609-BRJT-01 and 609-RCBA-01 through -07, metric- or english-units versions as required, should be called for as contract documents through the February 17, 2004, letting. These documents are attached hereto. Beginning with the March 23, 2004, letting, these documents become *INDOT Standard Specifications* and *Standard Drawings*, respectively, so they then should not be called for specifically.

The pay item name has been changed as shown below. The pay unit is unchanged. New code numbers and pay item names are shown below.

609-06257	Reinforced Concrete Bridge Approach, 250 mm Reinforced Concrete Bridge Approach, 10 in.
609-06259	Reinforced Concrete Bridge Approach, 300 mm Reinforced Concrete Bridge Approach, 12 in.
609-06260	Reinforced Concrete Bridge Approach, 325 mm Reinforced Concrete Bridge Approach, 13 in.
609-06262	Reinforced Concrete Bridge Approach, 350 mm Reinforced Concrete Bridge Approach, 14 in.
609-06263	Reinforced Concrete Bridge Approach, 375 mm Reinforced Concrete Bridge Approach, 15 in.

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Attachments

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