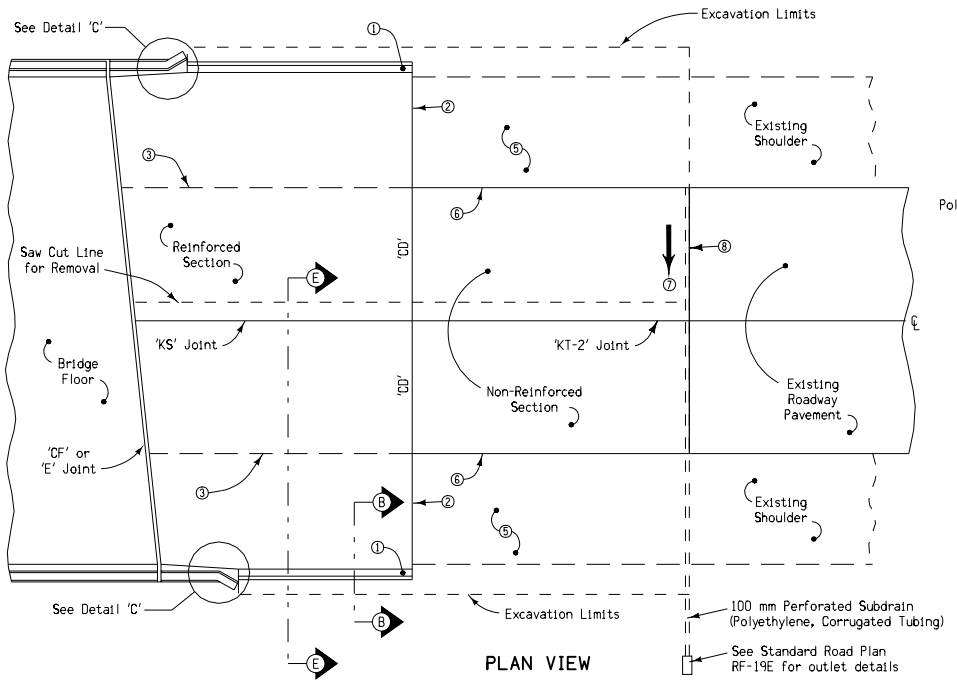
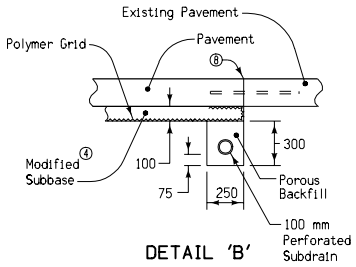


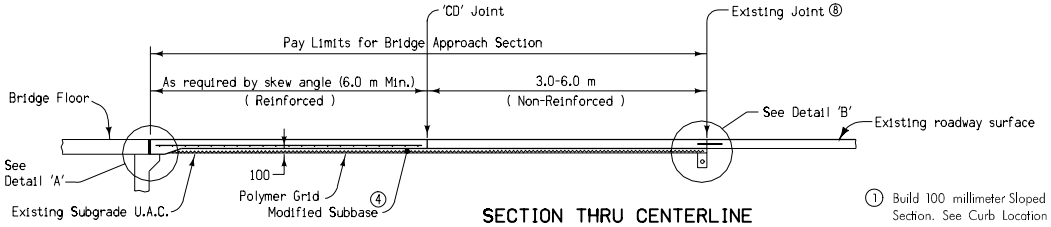
PLAN VIEW



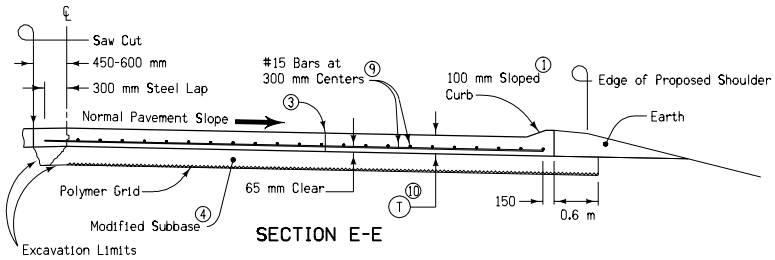
DETAIL 'B'

For Section B-B, Detail 'A', and Detail 'C', see Standard Road Plan RK-19A.

For additional information, see Standard Road Plans RH-50, RH-51, RH-52, and RK-19A.



SECTION THRU CENTERLINE



SECTION E-E

1. Build 100 millimeter Sloped Curb to end of Reinforced Bridge Approach Section. See Curb Location Details (Section B–B).
2. Joint will be 'RD' if P.C. Shoulder; 'B' otherwise.
3. Optional 'KS' joint.
4. Granular Subbase may be substituted.
5. If existing shoulder is paved shoulder, see Standard Road Plan RH–41B.
6. Refer to appropriate Standard for Shoulder Jointing Detail.
7. Slope Subdrain to Drain.
8. Joint will be 'RT' if existing pavement is P.C., otherwise use 'B' joint.
9. Add one additional #15 bar parallel to skewed face when skew angle is 30 degrees or more.
10. T = 250 millimeters on all Primary Road System projects
    T = 300 millimeters on all Interstate Road System projects.

GENERAL NOTES:

The intent of this sheet is to detail the removal of the existing bridge approach pavement and the adjacent paved shoulders, and the construction of a reinforced Portland Cement Concrete bridge approach section, standard Portland Cement Concrete pavement and shoulders. All work is to be performed while carrying traffic in adjacent lanes; traffic control shall be as designated elsewhere in the contract documents.

Materials and methods of construction shall be in accordance with current Standard and Supplemental Specifications.

The subgrade shall be excavated to the limits shown. A transverse subdrain (as detailed on this sheet) shall be installed directly beneath the location of the proposed 'B' or 'RT' joint. The excavated area shall be backfilled with Modified Subbase material and an approved "Polymer Grid" as specified in Article 4196.01, Paragraph E of the current Standard Specifications and installed as shown.

A bridge approach pavement section shall be constructed of reinforced P.C. concrete with 100 millimeter sloped curb; concrete used for construction shall be the same as indicated for the remainder of the pavement. The skew angle of the bridge shall determine the shape of the reinforced bridge approach section as detailed hereon. The short edge of the section shall be a minimum of 3.0 meters and the length at centerline of the roadway shall be a minimum of 6.0 meters. The pavement between the reinforced Portland Cement Concrete bridge approach section and the existing pavement to be used as constructed shall be standard Portland Cement Concrete pavement of thickness designated in the contract documents.

If an existing 'CF' joint is located approximately 18 meters from the new 'B' or 'RT' joint, the joint is to be recut to a width of 100 millimeters and new form joint material installed. If no 'CF' exists, a new 'CF' joint shall be constructed approximately 18 meters from the new 'B' or 'RT' joint.

Paved shoulder panels will be paid for as "Portland Cement Concrete Paved Shoulders". All reinforcing steel, curbing and special shaping is considered incidental to "Portland Cement Concrete Paved Shoulders." Unless Modified Subbase is measured and paid for elsewhere on the project plans, Modified Subbase under paved shoulder panels adjacent to the bridge approach shall be incidental to "Portland Cement Concrete Paved Shoulders."

Paved shoulder panels will be constructed according to Section 2122.

The 100 millimeter Perforated Subdrain, Subdrain Outlet, Porous Backfill, Modified Subbase, Polymer Grid, and P.C.C. Pavement shall be placed as indicated hereon and elsewhere in the contract documents.

"Bridge Approach Section" shall be measured and paid for as specified in Articles 2301.34 F and 2301.35 F. The following items shall be considered incidental to and included in the price bid for "Bridge Approach Section":

- Furnishing and installing reinforcing steel, tie bars, and dowel assemblies.
- Placing, finishing, texturing, transverse grooving, curing, all joint construction and all other materials and labor to construct the "Bridge Approach Section" as detailed on this sheet.
- Cutting, furnishing, and installing 'CF' joint.

"Modified Subbase" shall be measured as specified in Article 2115.05, and paid for as specified in Article 2115.06. The following items shall be considered incidental to and included in the price bid for "Modified Subbase":

- Excavation for Modified Subbase
- Furnishing and installing Subdrain
- Furnishing and placing Porous Backfill
- Furnishing and installing Subdrain Outlet
- Furnishing and installing Polymer Grid
- Furnishing and backfilling with Modified Subbase

All dimensions given in millimeters unless noted.

M

METRIC VERSION

Iowa Department of Transportation
Project Development Division

STANDARD ROAD PLAN | **RK-16**

REVISION: Removed Panel Notch from Reinforced Approach Pavement.

REVISION NO.	REVISION DATE
15	10-03-00

APPROVED BY DESIGN METHODS ENGINEER 06-07-00

BRIDGE APPROACH DETAILS
(IN CONJUNCTION WITH
BRIDGE DECK OVERLAY)