STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N–0235–01	2006	25	120

CURB & GUTTER NOTES

Combined curb and gutter or gutter adjoining concrete pavement may, at the con– tractor's option, be poured either monolithically or separately, using either the mix used in the concrete pavement or Class "A" Concrete (AE). The combined curb and gutter or gutter shall have the same section as shown on the plans. If poured monolithically, dowel bars may be omitted from the combined curb and gutter or gutter, but the wire mesh shall be extended to 6" or less from the back of the curb or gutter. Pavement joints shall be continued through curb or gutter and no other planes of weakness will be required. Joints in the combined curb and gutter or gutter are to be filled with the same material as used for the pavement joints.

Expansion joints in the combined curb and gutter are to be placed opposite expan– sion joints in the pavement.

Where combined curb and gutter or gutter does not abut concrete pavement or con– crete base course, omit tie bars and longitudinal construction joint and place a 1" pre– moulded Expansion Joint Filler (Nonextruding, Type B) cut to the dimensions of the combined curb and gutter or gutter, at a spacing not to exceed 250' and at the ends of curb returns.

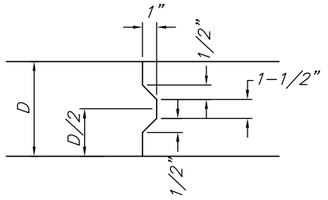
Where combined curb and gutter or gutter is adjacent to bituminous construction, planes of weakness shall be constructed at 20' intervals.

A 4' length of transition from normal gutter section to the tapered gutter section shall be used at the ends of each run of gutter except where the gutter abuts a curb, such as at the end of a bridge. Inlets shall be located so as not to fall within this transition section.

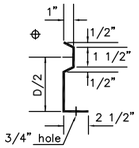
Where pressure relief joint (Urethane Foam) is placed across the pavement, and gutter or curb and gutter is continued on for more than 10', use Type B, nonextruding, joint filler through gutter section, shaped to fit gutter or curb and gutter. Material may be solid Type B, approximately 4" thick, or other thickness pieces (Type B), bonded together with cold mastic or other material, as approved by the Engineer.

For expansion joint treatment where combined curb and gutter or gutter abuts a bridge wing on a U type abutment see bridge drawings.

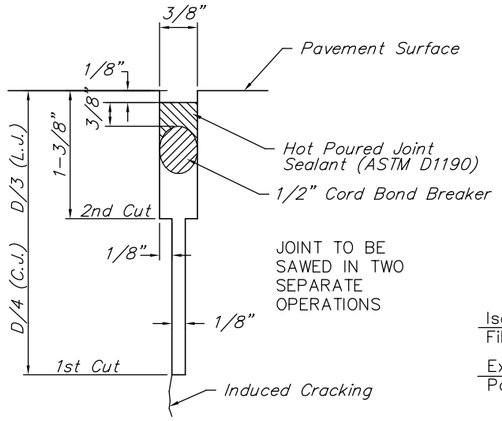
Longitudinal joints shall be sawed and sealed with joint sealant. See Special Provisions for type.



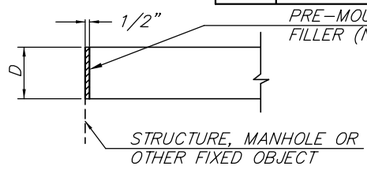
KEYWAY DETAIL



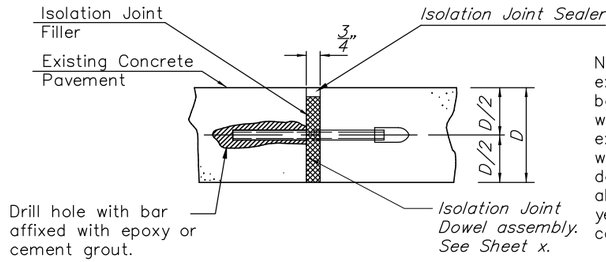
SECTION OF RECESSED FORM LEG



SAW JOINT DETAIL
D=9"

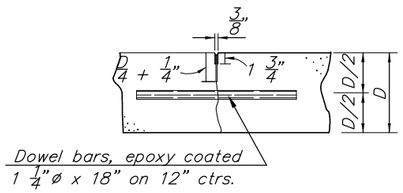


ISOLATION JOINT (I.J.)
(At Structures)

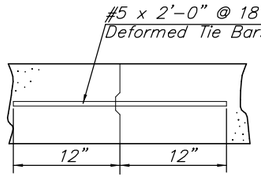


Note: Where expansion joint is being constructed with one end into existing concrete, the working end of the dowels shall be aligned on the side yet to be constructed.

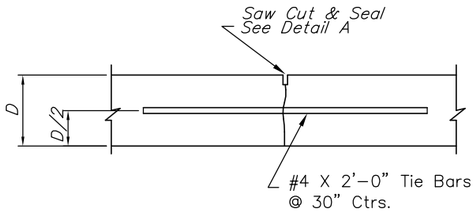
DOWELED ISOLATION EXPANSION JOINT DETAIL (D.E.J.)



DOWELED CONTRACTION JOINT DETAIL (C.J.)

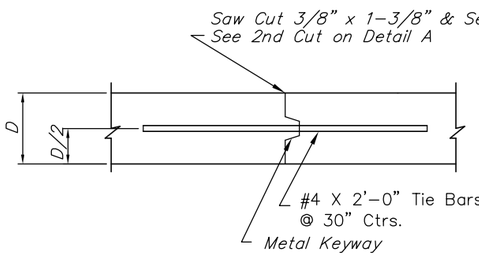


TIED CONSTRUCTION JOINT DETAIL (T.J.)

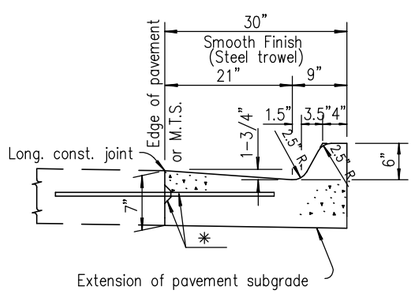


LONGITUDINAL JOINT DETAIL (L.J.)

Note: Contraction joints will be constructed at the planned location or as directed by the Engineer. When necessary to interrupt continuous placement for a substantial length of time or at the end of a day's pour, the Contractor has the option of ending placement at a contraction joint or with a construction joint located a minimum of five (5) feet from a contraction joint. Either joint type may be constructed by placing a header at the end of the pour or by paving past the joint location, sawing the joint after the concrete has hardened, and drilling holes for the tie bars and securing into the concrete with epoxy or cement grout.

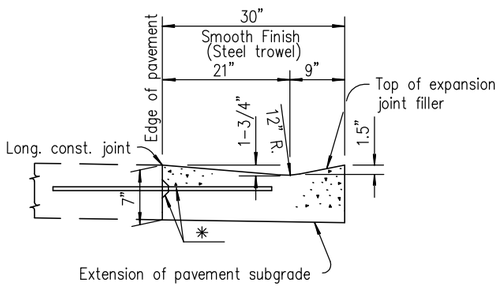


OPTIONAL LONGITUDINAL JOINT DETAIL (L.J.)



TYPICAL SECTION

COMBINED CURB & GUTTER – TYPE I (30" WIDTH)

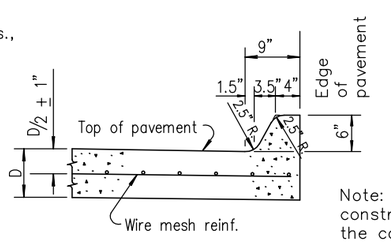


TYPICAL SECTION

COMBINED CURB & GUTTER – TYPE II (30" WIDTH)

* Longitudinal construction joint and #5 x 36" bars @ 30" ctrs., where concrete pavement is constructed.

"D"= Pavement thickness



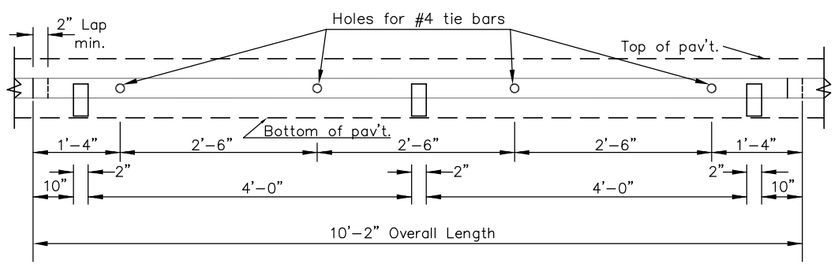
TYPICAL SECTION

6" EDGE CURB (MONOLITHIC)

Note: Planes of weakness are to be constructed over the contraction joints in the concrete pavement.

A 1" premoulded Expansion Joint Filler (Nonextruding, Type B) cut to the dimensions of the Edge Curb shall be used over the expansion joints in the concrete pavement.

⊕ Snap–in leg or other approved designs may be used inlieu of welded leg.



METAL STRIP FOR LONGITUDINAL CONSTRUCTION JOINT

TO BE USED ONLY AGAINST FORMS. SHALL NOT EXTEND THROUGH CONTRACTION OR EXPANSION JOINTS.
OTHER TYPES OF CONSTRUCTION SHALL BE PERMITTED WITH THE APPROVAL OF THE ENGINEER.

KANSAS DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT DETAILS

PROJECT NO. 87 N–0235–01 SEDGWICK CO.

M K E C ENGINEERING CONSULTANTS, INC.
WICHITA, KANSAS

DESIGNED BY:	JRA	CHECKED BY:	JRA	
DRAWN BY:	WNJ	DATE: JULY 2004	SHEET	25 OF 120

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