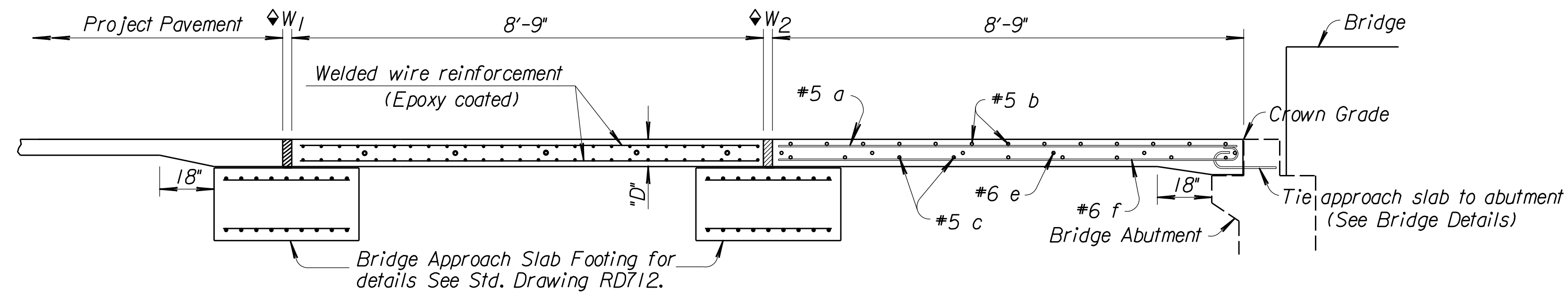


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 TE-045I-01	2018	37	222



"D" Thickness = Thickness of Project Concrete Pavement (10" minimum).

LONGITUDINAL SECTION

* For details of 4" Edge Curb, See Std. Drawing RD711.

◆ W₁ and W₂ for Expansion/Pressure Relief Joint width and details See Standard Drawing RD712.

‡ Contractor has the option of substituting a Tied Keyed Construction Joint.

GENERAL NOTE

Special Concrete Bridge Approach shall be paid for as Sq. Yds. of Concrete Pavement (10" Unif.)(AE)(Br. App.) and includes all work and materials required to construct the approach slab as shown on this sheet.

All work and materials required for installation of expansion joints and pressure relief joints shall be subsidiary to this bid item.

At the Contractor's option #4x3'-0" tie bars @ 15" centers may be substituted for the #6 e bars at 2'-6" centers.

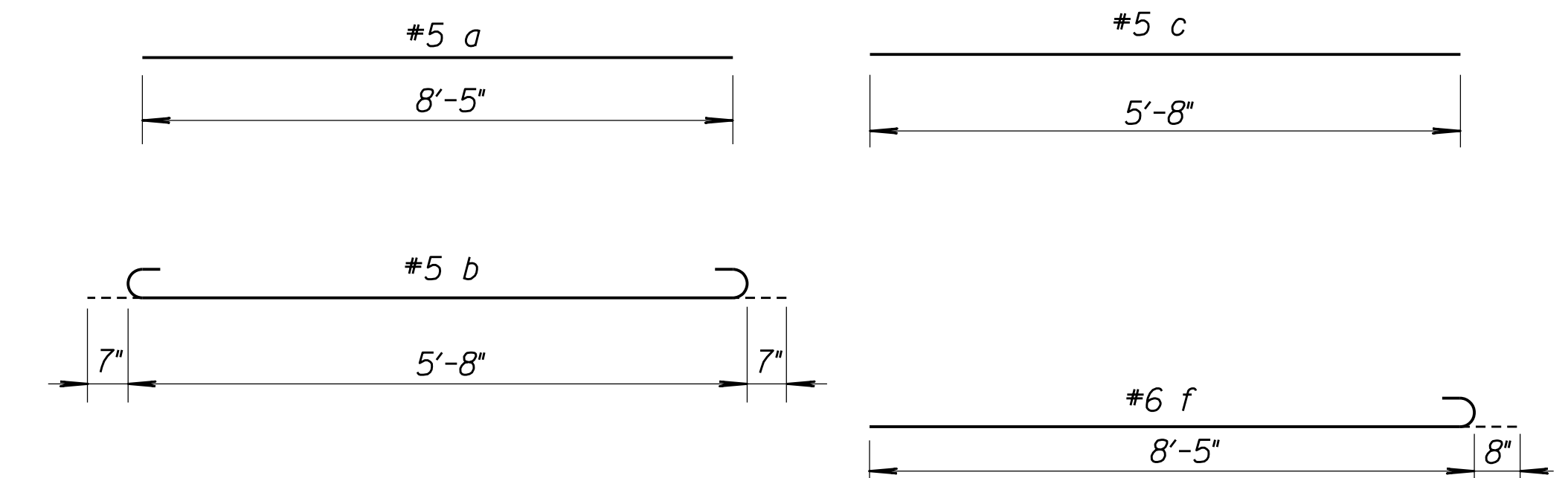
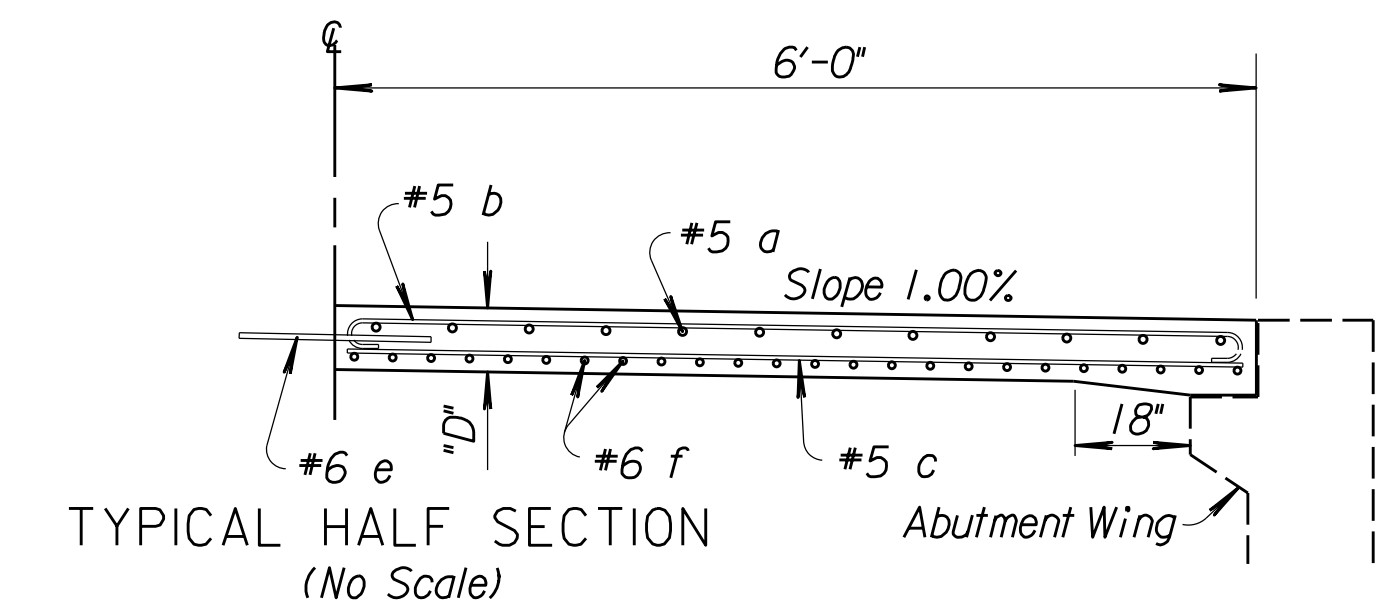
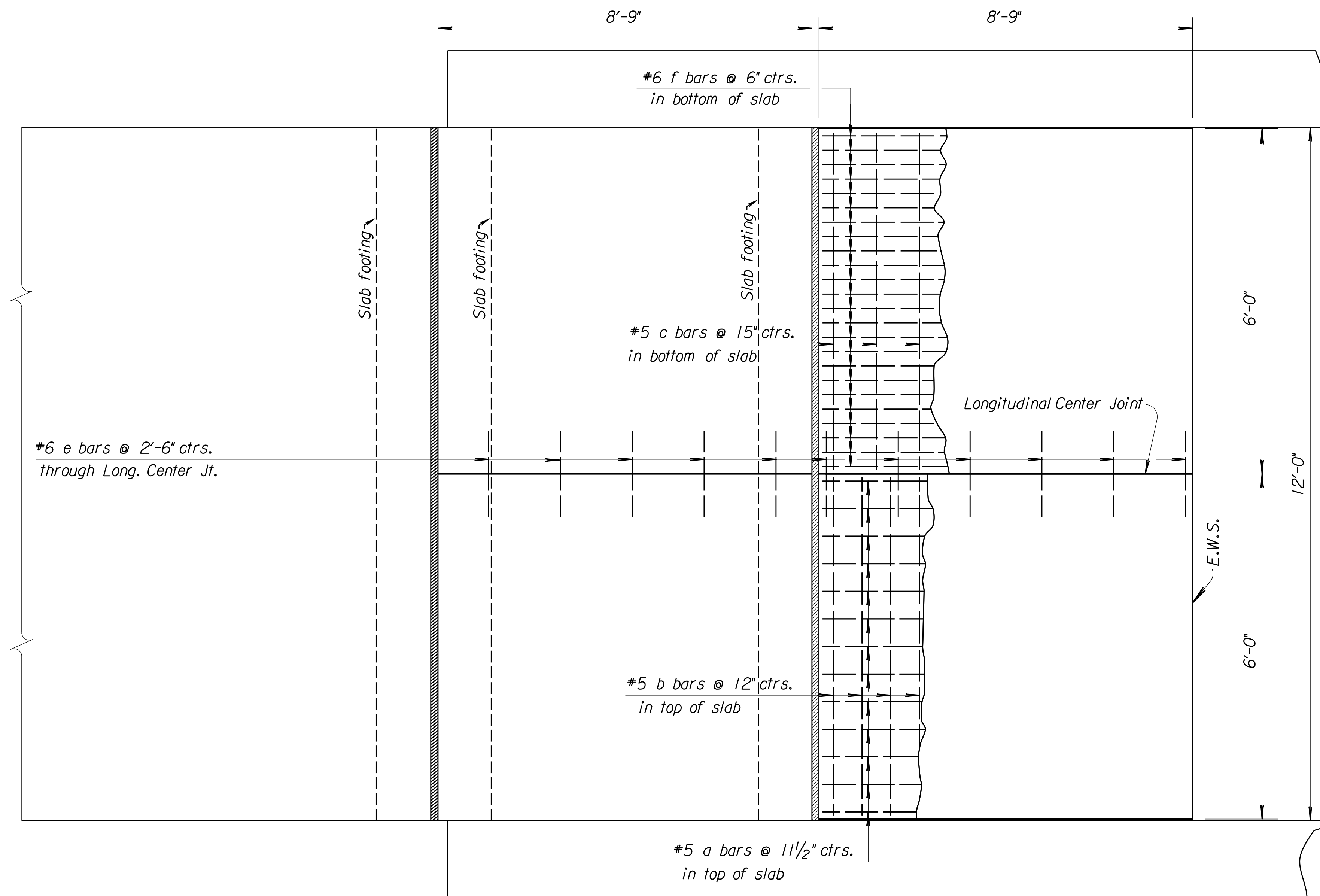
All reinforcing steel shall be epoxy coated.

See Standard Drawing RD711 for details of joints, welded wire reinforcement and edge curb.

Clearance from the face of concrete for all reinforcing steel shall be 2 inches.

Standard reinforcing bar hooks in accordance with the latest ACI specifications shall be used throughout.

The pressure relief joint shall be omitted when the concrete bridge approach pavement abuts asphalt pavement.



Note: All dimensions are out to out on bars, unless noted otherwise.

BENDING DIAGRAMS

BILL OF MATERIALS										
Bar Schedule										
Bar No.	a b b ₁ b ₂ c c ₁ c ₂ e e ₁ f									
14	18			16	#5	#5	#5	#6	#4	#6
Size	#5	#5	#5	#5	#5	#5	#5	#6	#4	#6
Length	8'-5"	6'-10"		5'-8"			3'-0"			9'-1"
Reinforcing Steel (Grade 60) (Epoxy Coated)										737 lbs.
Concrete Pavement (10" Unif.)(AE)										23.4 Sq. Yds.
Expansion Jt. Membrane Sealant										12.00 Lin. Ft.
Pressure Relief Jt. Membrane Sealant										12.00 Lin. Ft.

Note: Quantities listed for one approach slab only. Two required per bridge. Reinforcing steel and joint lengths shown for information only.

12	4-04-13	Rev. Exp./Pr. Relief Joint Dim.	S.W.K.	J.O.B.
11	9-09-09	Revised Reinforcing Steel listing	S.W.K.	J.O.B.
10	5-14-09	Revised pressure relief jt. material	S.W.K.	J.O.B.
9	10-30-08	Added guardrail post detail at curb	S.W.K.	J.O.B.
NO.	DATE	REVISIONS	BY	APPD

KANSAS DEPARTMENT OF TRANSPORTATION

CONCRETE BRIDGE APPROACH PAVEMENT
NORMAL APPROACH
(U-TYPE ABUTMENT)

RD713A		APPD, James O. Brewer	
DESIGNED	5-21-2013	QUANTITIES	TRACED Bowser
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK. King

KDOT Graphics Certified 03-29-2018

Note to Designer: The designer shall be responsible for designating pavement thickness and computing reinforcing steel and concrete quantities and dimensions necessary to complete this sheet.

Drawn By: \$\$USERNAME\$\$ Plotted: \$\$\$SYTIME\$\$\$
File: \$\$\$SDGN\$PEC\$\$\$

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