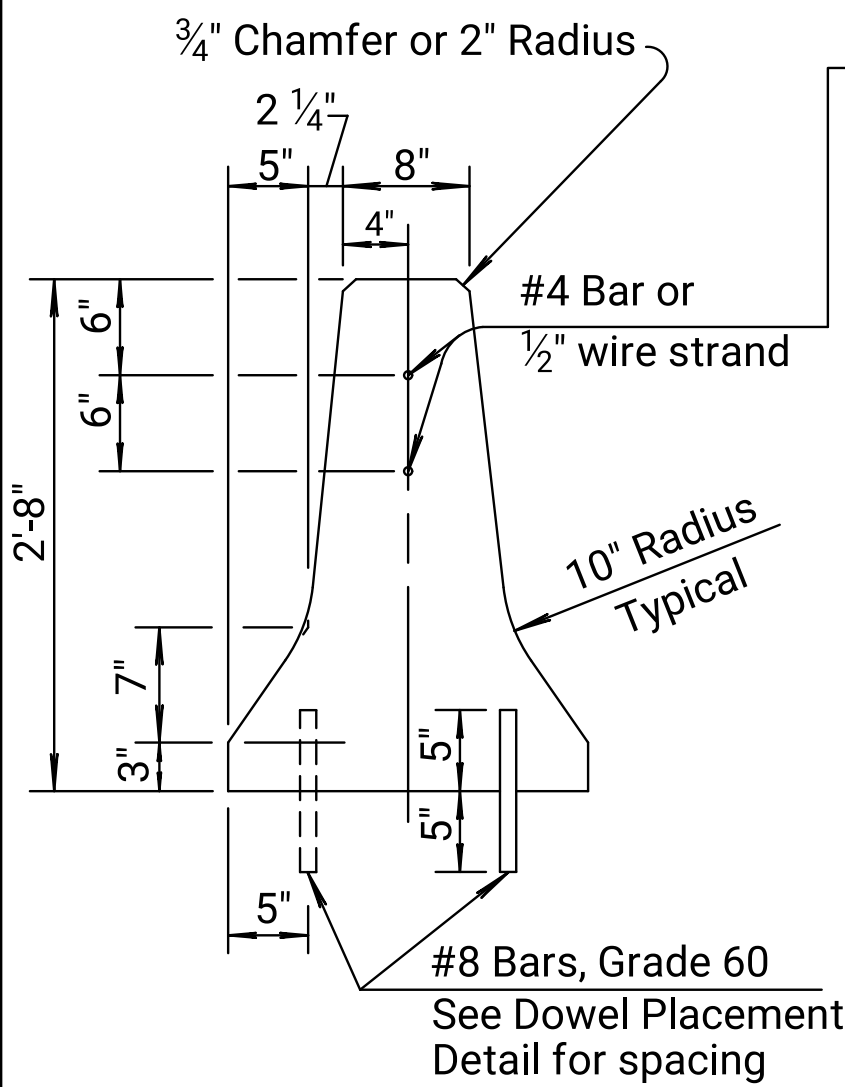
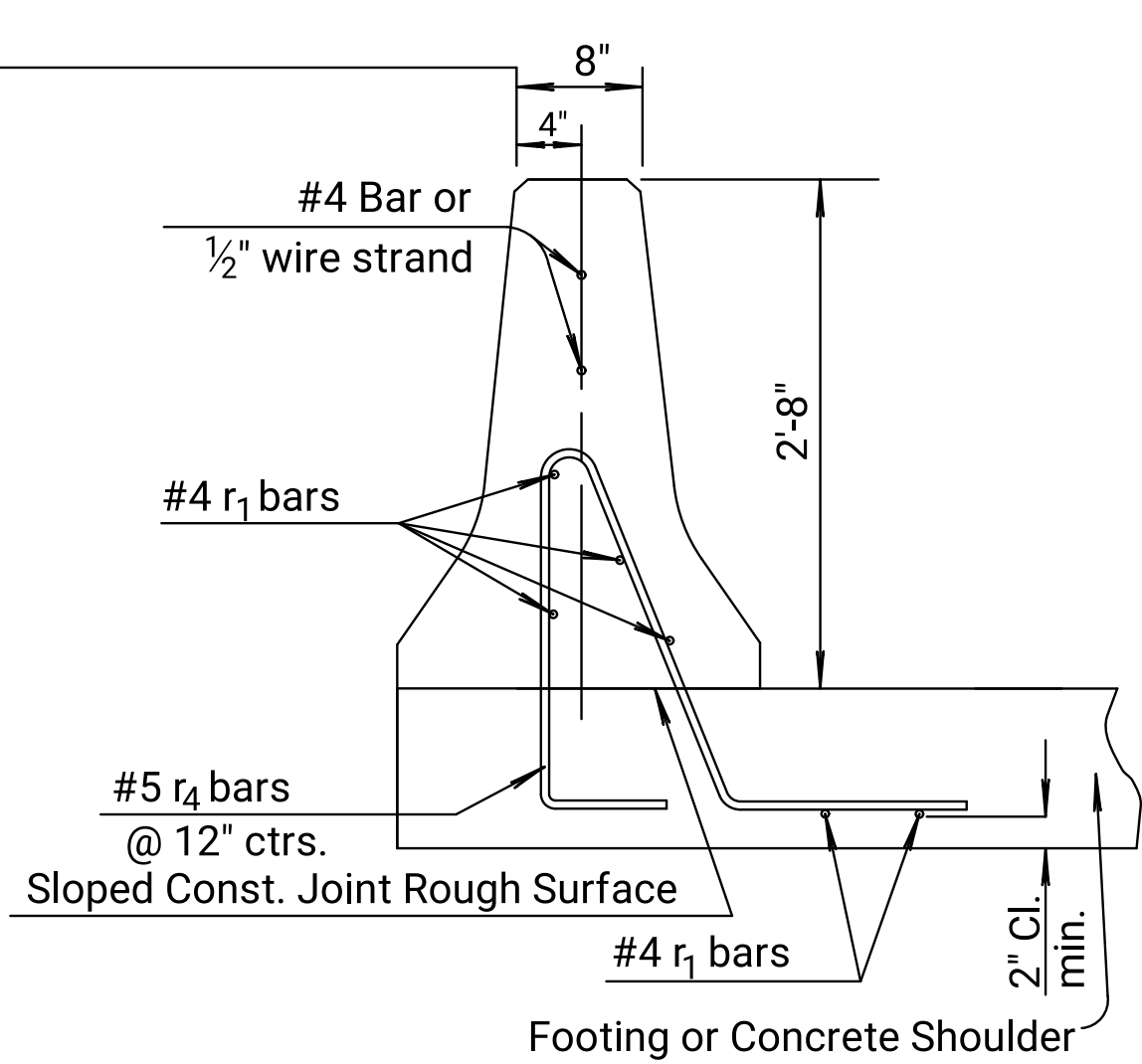


Note to Designer: The scenario depicted is for Type II CSB to Type I CSB, this sheet will need to be modified for other transition scenarios.

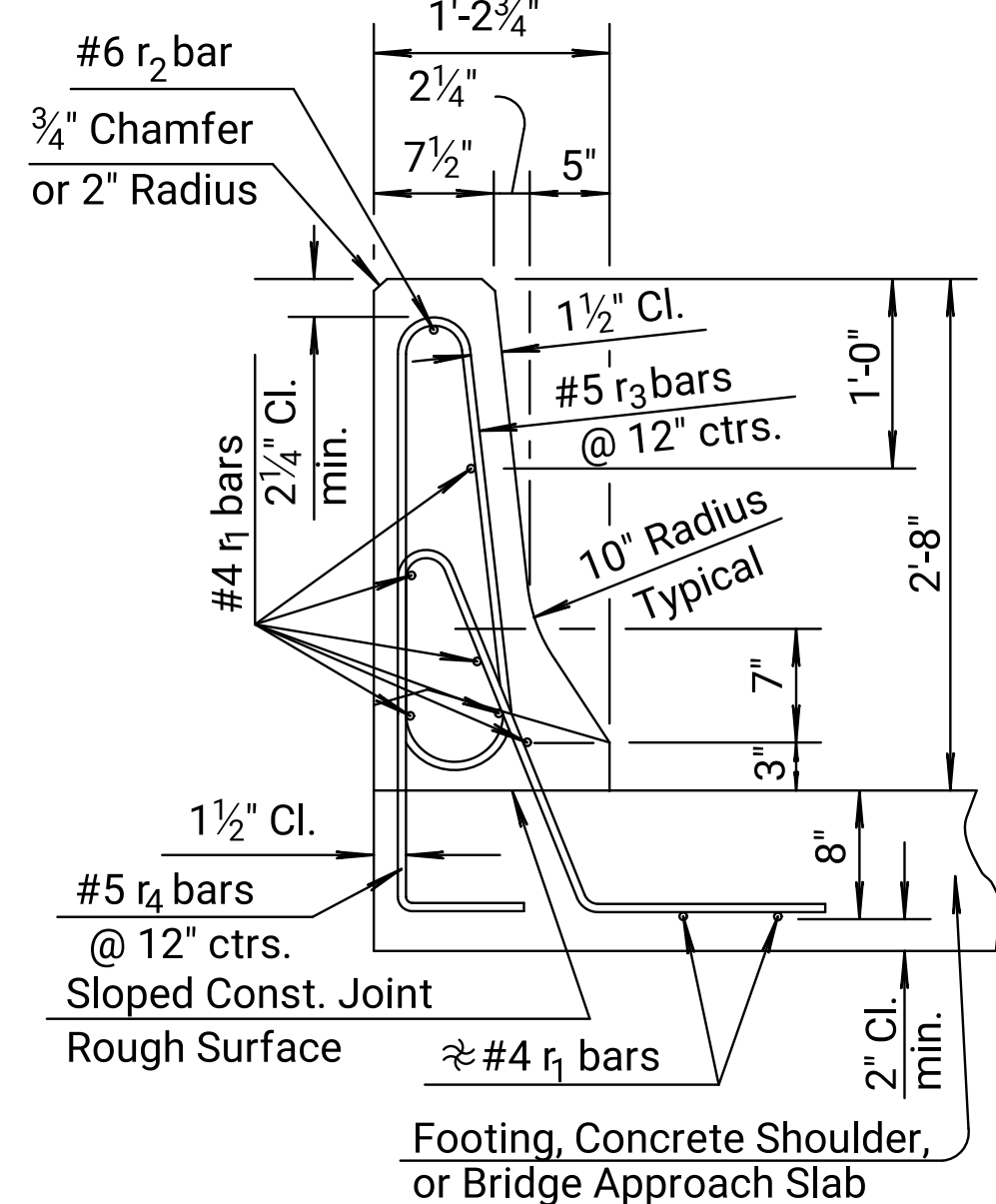
Plotted by : KDOT#CADD.Support_Lks.gov
File : rd625.dgn
18-JUN-2022 00:14



TYPE I

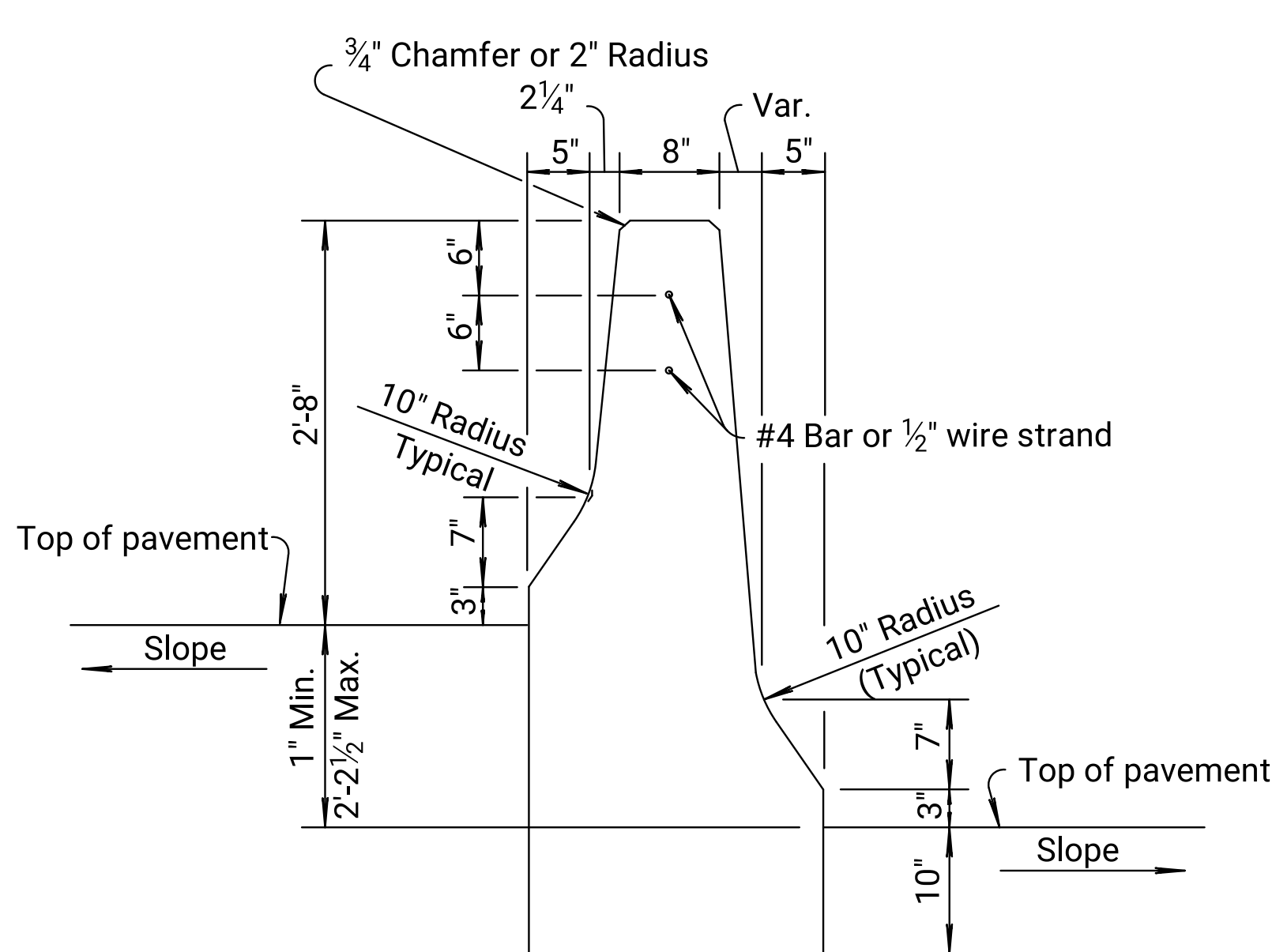


TYPE I Special Transition
See Standard Drawing 625A for Plan View

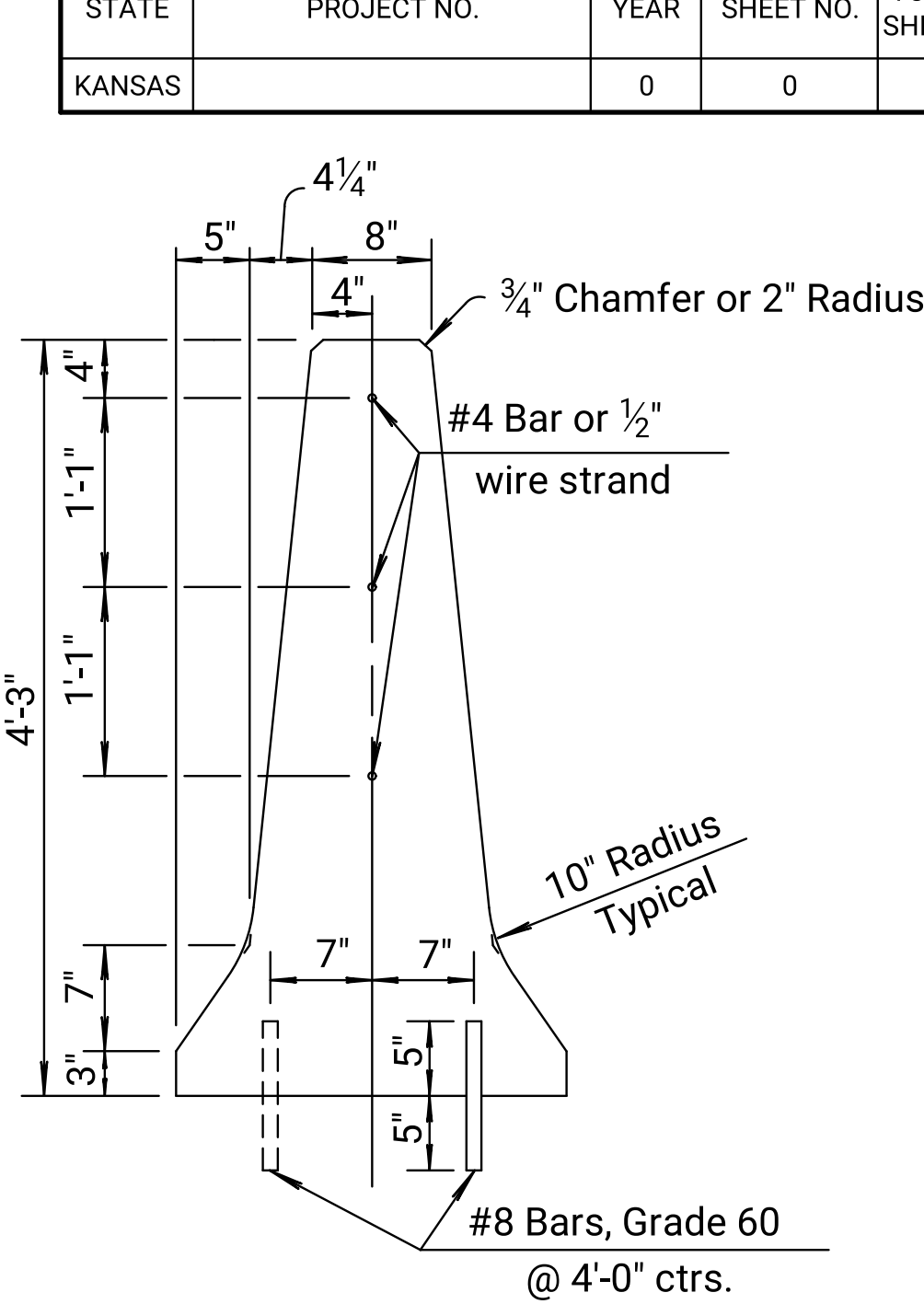


TYPE II

≈ Omit r₁ bars in approach slabs. Tie r₄ bars to longitudinal reinforcement (#6 f bars) shown in the applicable Bridge Approach Pavement Standard Drawing.

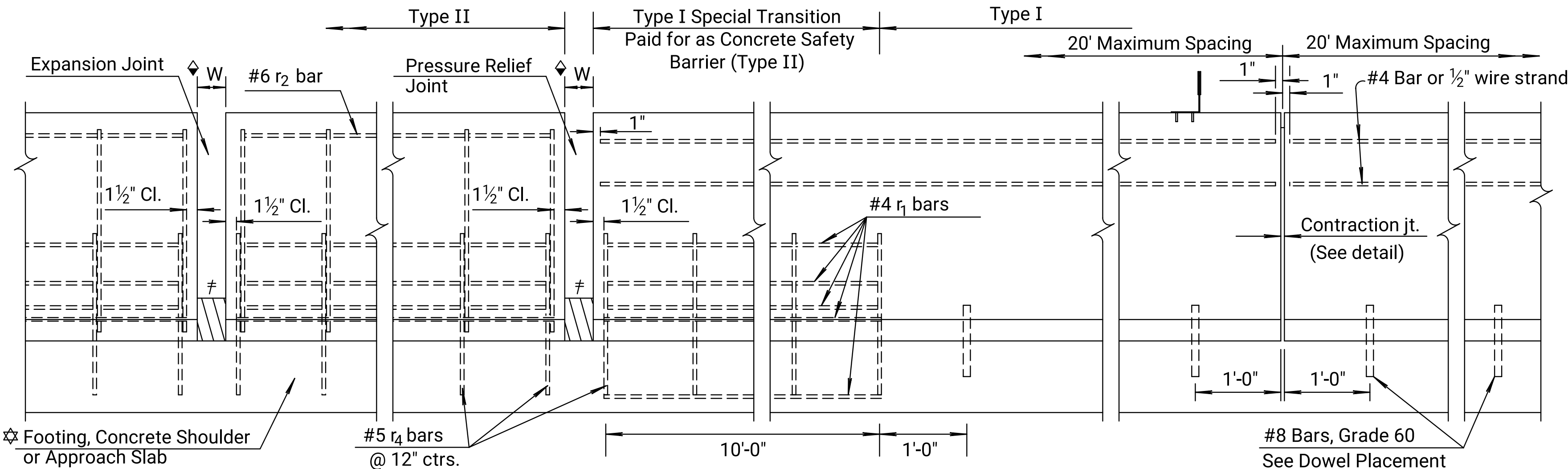


TYPE III



TYPE IV

◆ W= Formed Concrete Opening Size - See "Temperature Expansion/Pressure Relief Joint Width Table", Standard Drawing RD712.



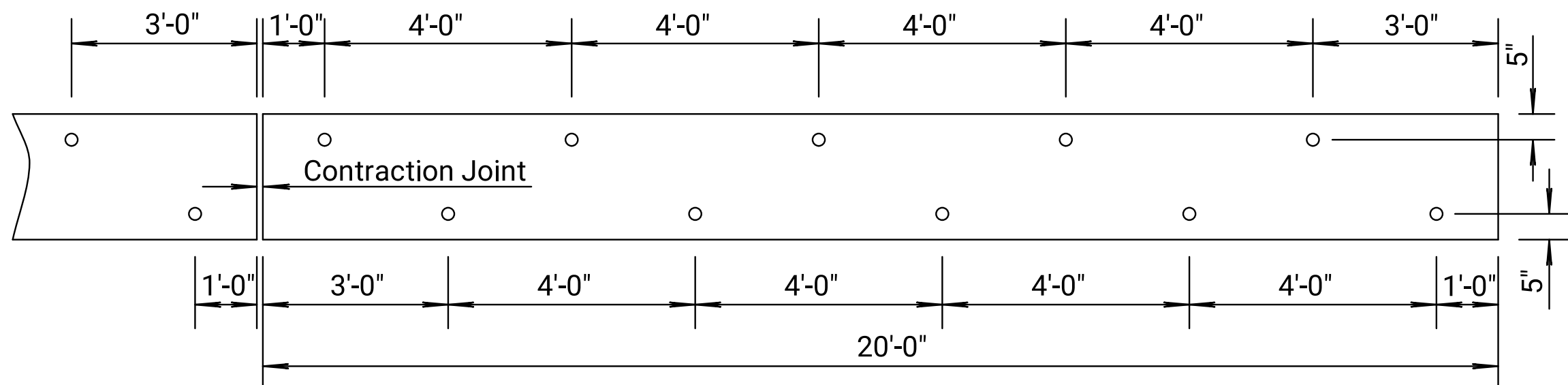
☆ Footing, Concrete Shoulder or Approach Slab

☆ See applicable Bridge Approach Pavement Standard Drawing for reinforcement in approach slab.

≠ Membrane Sealant

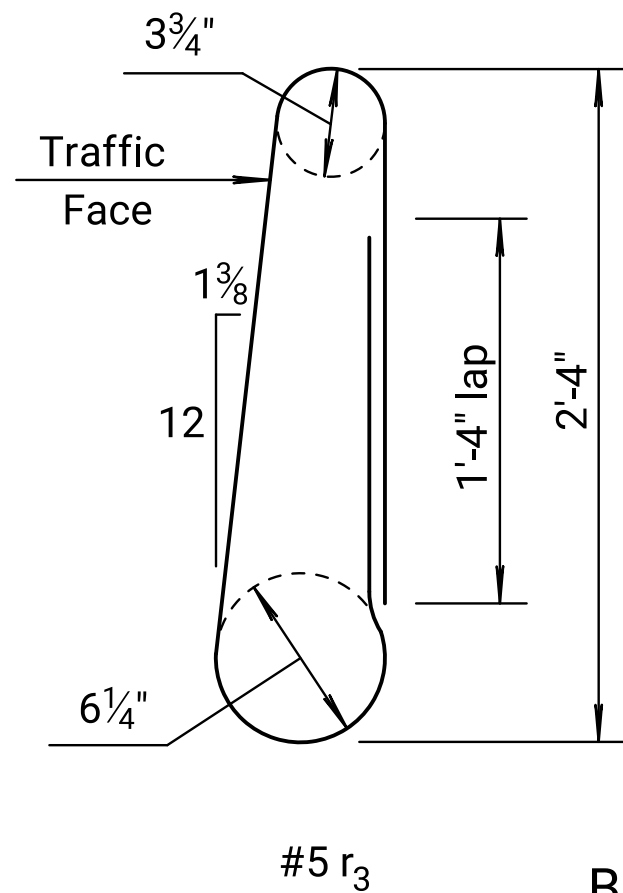
PRESSURE RELIEF/EXPANSION JOINT (Bridge Ends)

Pressure relief joint will match relief joint in bridge approach slab. Joints wider than 4" need a special design.



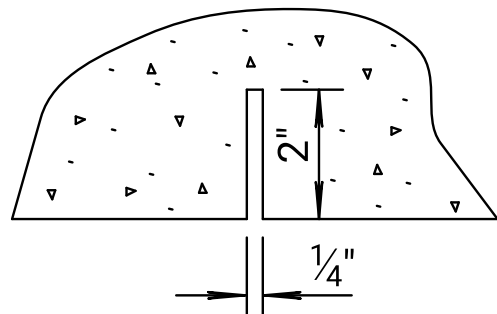
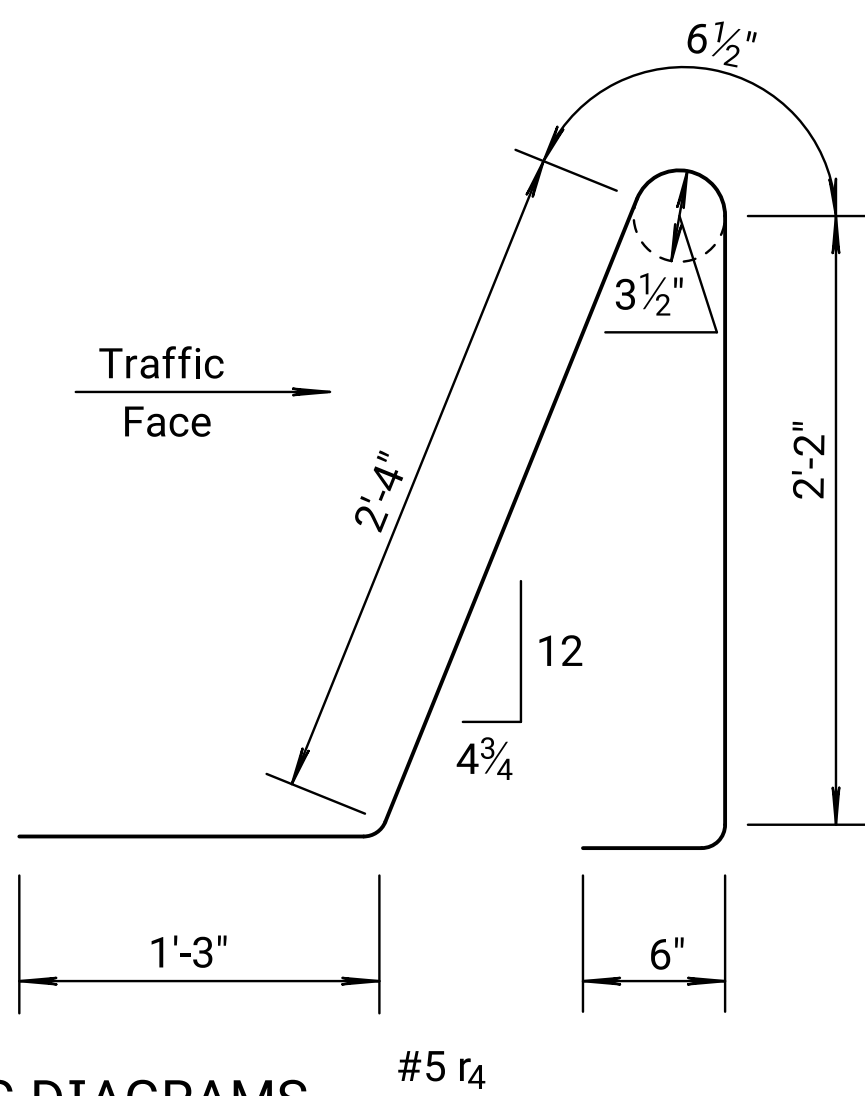
DOWEL PLACEMENT DETAIL
(TYPE I & IV)

CONTRACTION JOINT

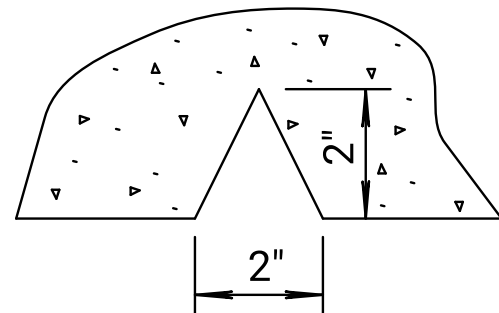


BENDING DIAGRAMS

Note: All dimensions are out to out of bars.



OPTION A



OPTION B

CONTRACTION JOINT DETAIL

GENERAL NOTES:

Use Concrete Grade 3.0 (AE) or Concrete Pavement Mix (Contractor's Option). Construction drainage slots where specified in the plans, inlet locations or Engineer's direction.

Use epoxy coated reinforcing steel, Grade 60. See details for spacing, keep a minimum reinforcing steel clear distance of 1 1/2".

Payment for all reinforcing bars, joint material, median barrier filler material, reflectors and supporting materials, associated work, etc., is subsidiary.

The section furnished must generally comply with the dimensions shown. Requests for minor variations in section geometry may be submitted for review.

Permanent concrete barriers are cast in place or slip formed construction only. Precast barriers are not permitted.

CONSTRUCTION JOINTS

Place joint material (Type B or C) where shown for structures and at the end of day construction joint.

CONTRACTION JOINTS

Form or saw contraction joints on 20' centers maximum. Where barrier is on or adjacent to concrete pavement space joints to match contraction joints and definite transverse cracks in the pavement. Contraction joints not to exceed 20' centers.

BARRIER BASE

Where barrier base is not paved full width, place barrier on a 10' x 2'-0" bed of concrete Grade 3.0, or the mix used in concrete pavement or asphalt base course (Contractor's option, Engineer's approval) to assure proper alignment.

APPROACH SLAB EXPANSION/PRESSURE RELIEF JOINT

Install membrane sealant expansion joint material with a lubricant adhesive cut to the shape shown on Standard Drawing RD625A. Construct joint to match pressure relief joint of concrete pavement approach slabs.

See Standard Drawing RD712 for Expansion/Pressure Relief Joint Details.

Work and materials required for installation of joint material is subsidiary to Concrete Safety Barrier and conforms to standard specifications.

DELINEATION

See Standard Drawing RD610 for details of barrier delineation.

06	09-11-17	Added Type I transition	A.L.R.	S.W.K.
05	04-28-11	Rev. I,II,III & IV dimen. & notes	S.W.K.	J.O.B.
04	05-28-09	Revised Type III dimensions	S.W.K.	J.O.B.

NO.	DATE	REVISIONS	BY	APPD
-----	------	-----------	----	------

KANSAS DEPARTMENT OF TRANSPORTATION				
PERMANENT CONCRETE SAFETY BARRIER TYPE I,II,III & IV (F-SHAPE)				
RD625				
FHWA APPROVAL		03-05-18	APPD.	Scott. W. King
DESIGNED	DETAILED	QUANTITIES	TRACED	
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.	