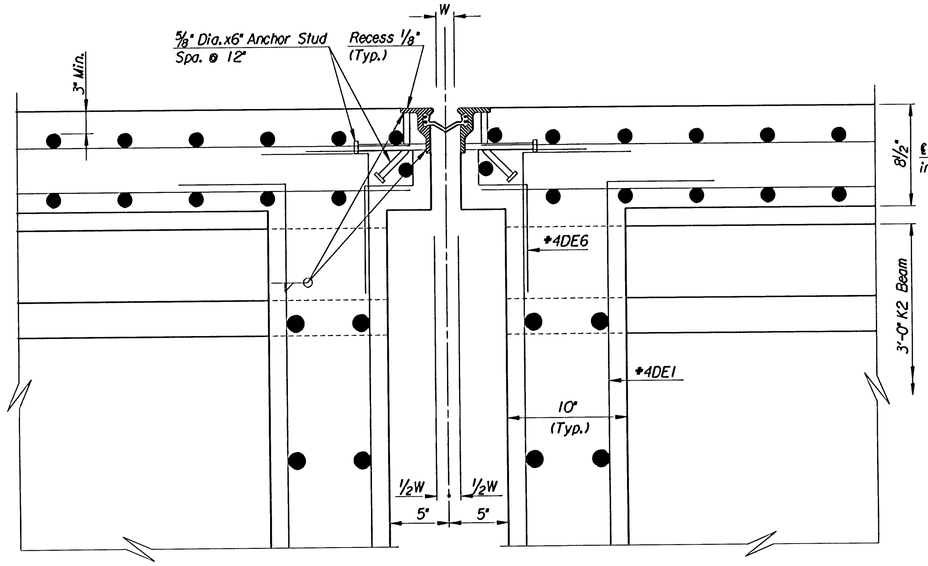
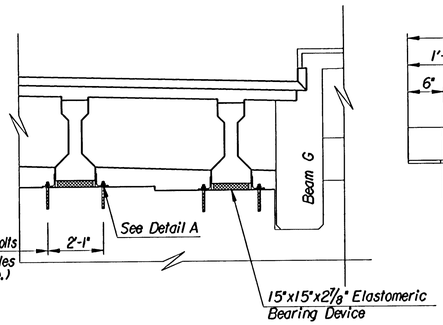
TABLE OF DIMENSIONS							
Temperature	30°	40°	50°	60°	70°	80°	90°
Dimension "W"	1 5/16"	1 7/8"	1 3/16"	1 3/4"	1 1/16"	1 5/8"	1 9/16"

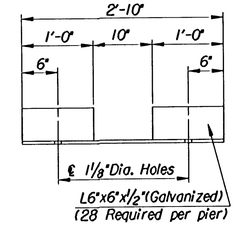


DETAIL B

ELASTOMERIC BEARING DEVICE: The Device shall consist of 6 layers of 3/8" elastomer of durometer hardness 60. These layers shall be separated by a 1/8" steel strip (A709 Gr. 36). See Special Provisions of K.D.O.T. Specifications.



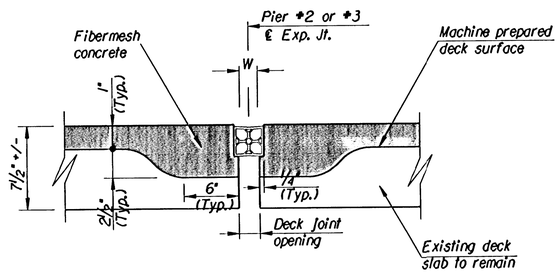
EXPANSION PIER DIAPHRAGM ELEVATION



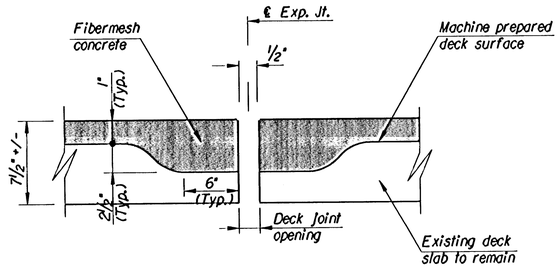
DETAIL A

STRIP SEAL ASSEMBLY: The Strip Seal Assembly shall conform to KDOT Specifications for "Strip Seal Assembly (Type I)" and shall accommodate a total movement of at least 4 inches. Structural Steel shall conform to ASTM A709 GR. 36 unless otherwise noted. The Assembly shall be installed to match the Roadway Grade and Cross Slope. Material for the wedge grips shall be solid extruded or hot rolled steel. No ASTM A588 steel or aluminum will be allowed. All Steel Plate Armoring material and installation shall be subsidiary to "Strip Seal Assembly."

PREFORMED ANCHOR BOLT HOLES: The Contractor shall preform, at the locations shown, 2 1/2" diameter holes with roughened inside surfaces. The preforming method shall be approved by the Engineer. The preformed holes shall be sealed in such a manner that water will not accumulate in the holes and freeze prior to the time of grouting the anchor bolts. The holes shall also be free of water or foreign materials at the time of grouting. This work shall be subsidiary to Class AAA (AE) Concrete.

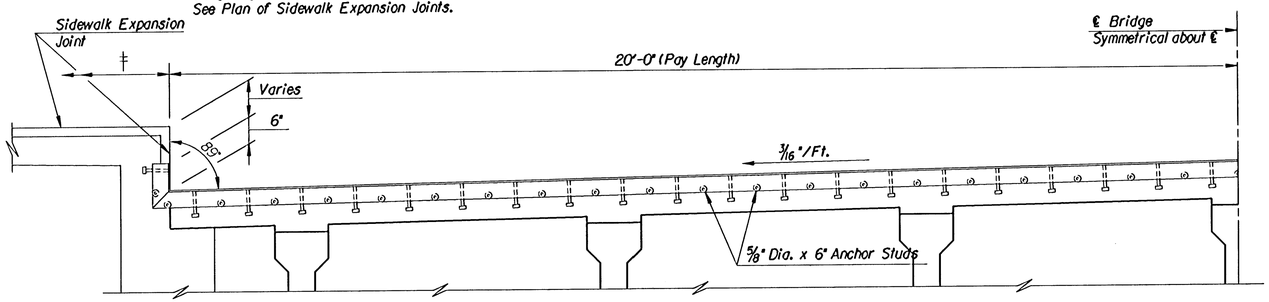


PROPOSED SIDEWALK JOINT
(Transverse) N.T.S.

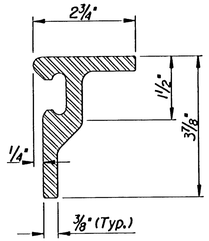


PROPOSED SIDEWALK JOINT
(Longitudinal) N.T.S.

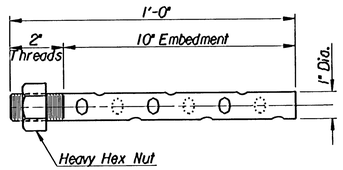
‡ Sidewalk Expansion Joint pay length along ℄ Joints to roadway face of rail. See Plan of Sidewalk Expansion Joints.



PARTIAL ELEVATION

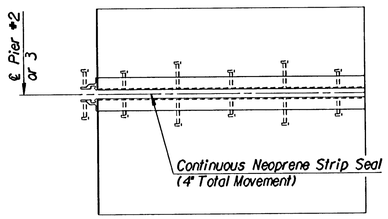


STEEL EXTRUSION DETAIL

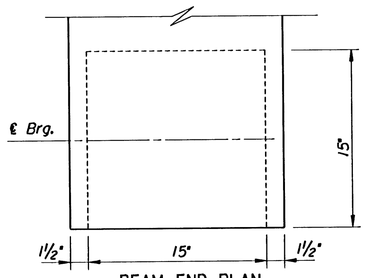


SWEDGE ANCHOR BOLT
(28 Required Each Exp. Pier)
(Subsidiary to Elastomeric Bearing Device)

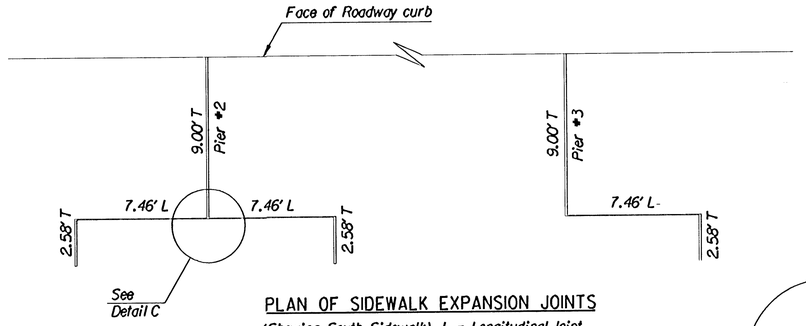
Note:
The nominal dimensions shown are suggested dimensions only. The Contractor may select alternate shapes for the Steel Extrusion. Details for Proposed alternate shapes shall be submitted to the Engineer for approval prior to fabrication.
The Contractor shall show on the Shop Plans his Proposed Method of supporting the Expansion Device during placement and curing of the Deck Concrete.



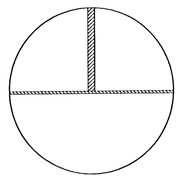
PARTIAL PLAN



BEAM END PLAN
15"x15"x2 7/8" Elastomeric Bearing Device



PLAN OF SIDEWALK EXPANSION JOINTS
(Showing South Sidewalk) L = Longitudinal Joint
(North Sidewalk similar) T = Transverse Joint



DETAIL C
Showing gland placement

No.	Revisions	By	Date
1			

CITY OF WICHITA, KANSAS
JAMES L. ARMOUR, P.E.-ACTING CITY ENGINEER
MURDOCK BRIDGE
OVER LITTLE ARKANSAS RIVER
EXPANSION JOINT PIER DETAILS
CITY OF WICHITA PROJECT NO. 472-83895

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by	R.A.S.	Checked by	R.A.S.	
Drawn by	MAF	Date	March 2004	Job No. 96940-2

i:/1996/96940/002/expans1.dgn
drawn by: ras
plotted by: ras 3-27-2004