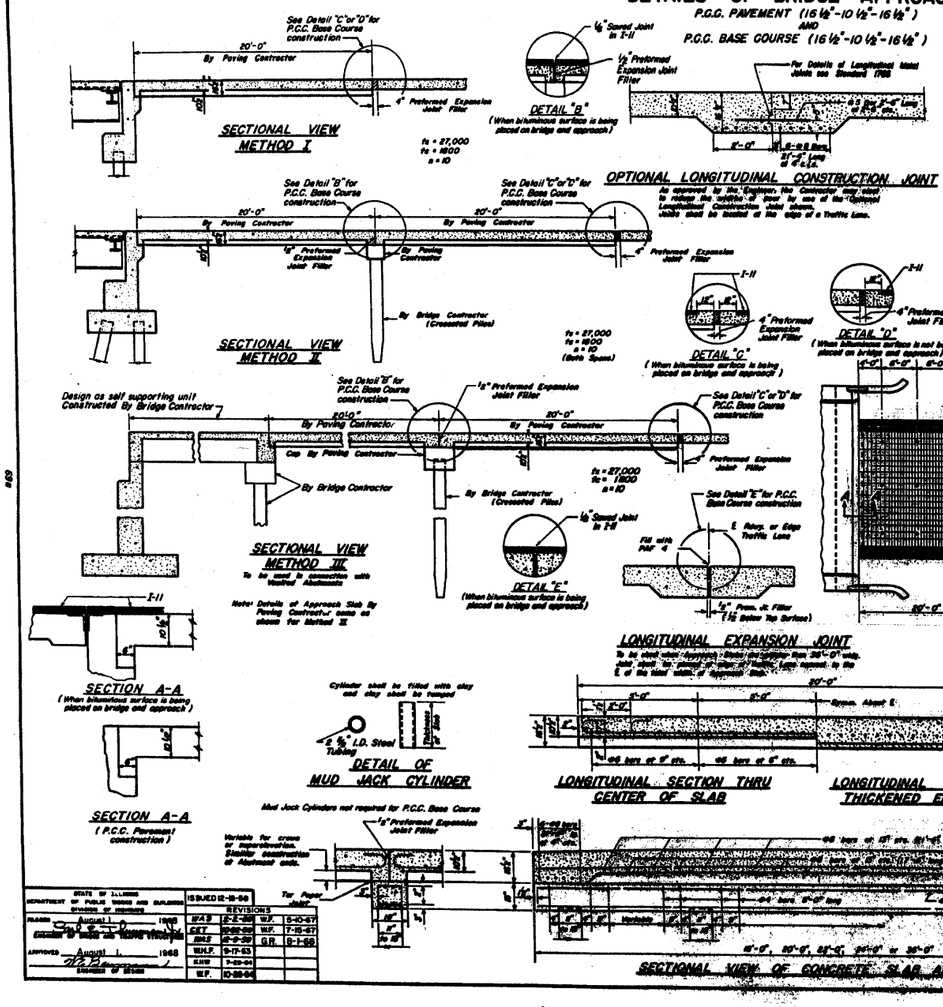
DETAILS OF BRIDGE APPROACHES

P.C.C. PAVEMENT (16½"-10½"-16½")
AND
P.C.C. BASE COURSE (16½"-10½"-16½")


See Detail "C" or "D" for P.C.C. Base Course construction
20'-0"
By Paving Contractor
4" Preformed Expansion Joint Filler
SECTIONAL VIEW METHOD I
fs = 27,000
fc = 1800
n = 10
½" Sawed Joint in 1-11
½" Preformed Expansion Joint Filler
DETAIL "B"
(When bituminous surface is being placed on bridge and approach)
For Details of Longitudinal Metal Joints see Standard 1908
#3 Bars 2'-0" Long
2'-0"
#5 Bars 2'-0" Long
See Detail "A" for P.C.C. Base Course construction
See Detail "C" or "D" for P.C.C. Base Course construction
OPTIONAL LONGITUDINAL CONSTRUCTION JOINT
As approved by the Engineer, the Contractor may elect to replace the widths "A" shown by use of the "Optional Longitudinal Construction Joint" detail. Joints shall be located at the edge of a Traffic Lane.
6" Preformed Expansion Joint Filler
By Bridge Contractor (Cresseted Piles)
SECTIONAL VIEW METHOD II
fs = 27,000
fc = 1800
n = 10
(Both Spans)
1-11
4" Preformed Expansion Joint Filler
DETAIL "C"
(When bituminous surface is being placed on bridge and approach)
4" Preformed Expansion Joint Filler
DETAIL "D"
(When bituminous surface is not being placed on bridge and approach)
Design as self supporting unit Constructed By Bridge Contractor
20'-0"
Cap By Paving Contractor
"a" Preformed Expansion Joint Filler
By Bridge Contractor
SECTIONAL VIEW METHOD III
To be used in connection with "Method II" construction
Refer Details of Approach Slab By Paving Contractor same as shown for Method II
fs = 27,000
fc = 1200
n = 10
½" Sawed Joint in 1-11
DETAIL "E"
(When bituminous surface is being placed on bridge and approach)
See Detail "E" for P.C.C. Base Course construction
E. Rdwy. or Edge Traffic Lane
Fill with Pair 4
¾" Prem. Jt. Filler (½" Below Top Surface)
LONGITUDINAL EXPANSION JOINT
To be used when Approach Slabs are greater than 26'-0" wide, and, when, in the opinion of the Engineer, such material is the best width of Approach Slab.
1-11
SECTION A-A
(When bituminous surface is being placed on bridge and approach)
SECTION A-A
(P.C.C. Pavement construction)
Cylinder shall be filled with clay and clay shall be tamped
2½" I.D. Steel Tubing
Thickness of Slab
DETAIL OF MUD JACK CYLINDER
Mud Jack Cylinders not required for P.C.C. Base Course
LONGITUDINAL SECTION THRU CENTER OF SLAB
LONGITUDINAL SECTION THRU THICKENED EDGE OF SLAB
Variable for cross superelevation. Smaller dimension at Abutment ends.
"a" Preformed Expansion Joint Filler
#6 bars at 12" ctrs. #4 bars at 12" ctrs.
#4 bars at 12" ctrs. #5 bars at 12" ctrs.
#4 bars at 12" ctrs. #5 bars at 12" ctrs.
#4 bars, 12'-0" long
#4 bars at 12" ctrs.
#5 bars at 12" ctrs.
#6 bars at 12" ctrs.
#4 bars at 12" ctrs.
#5