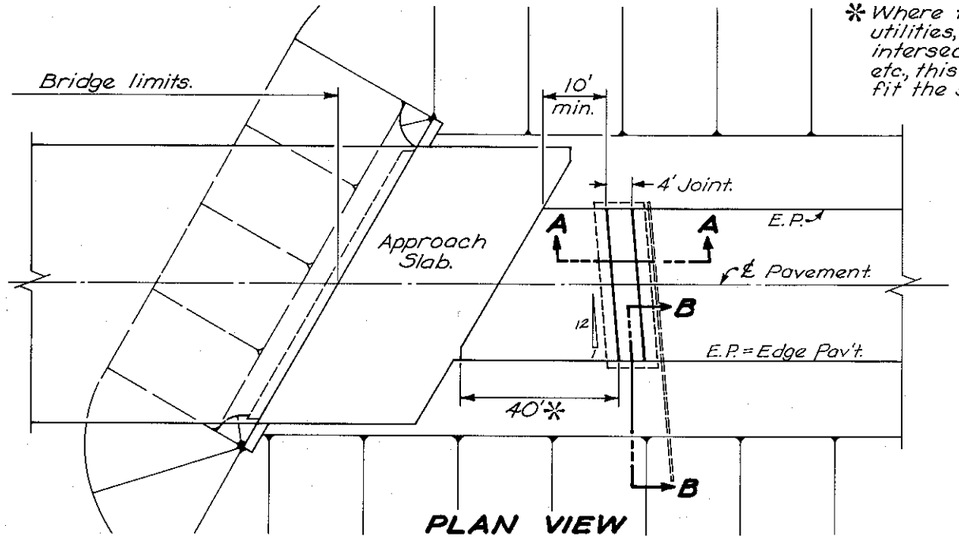
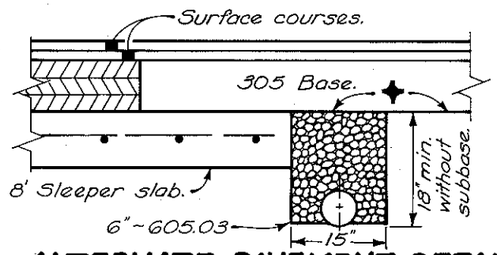


PLAN VIEW

PRESSURE RELIEF JOINT - TYPE A

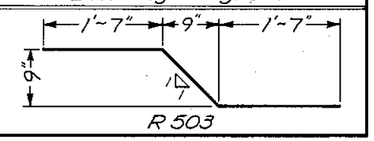
* Where there are conflicts such as utilities, drainage structures, intersections, excessive bridge skew, etc., this dimension may be varied to fit the situation.



ALTERNATE PAVEMENT DETAIL
For details not shown, see Section A-A.

REINFORCING STEEL LIST 5/8" ϕ

Mark	Shape	No.	Length	Bending Diagram
R501	St.	8	S - 6"	
R502	St.	⊛S	7'-6"	
R503	Bt.	⊛S-2	4'-3"	



⊛ S = Length of sleeper slab (in feet).

R501 bars may be furnished in segments with a 1'-7" bar lap between segments.

NOTES

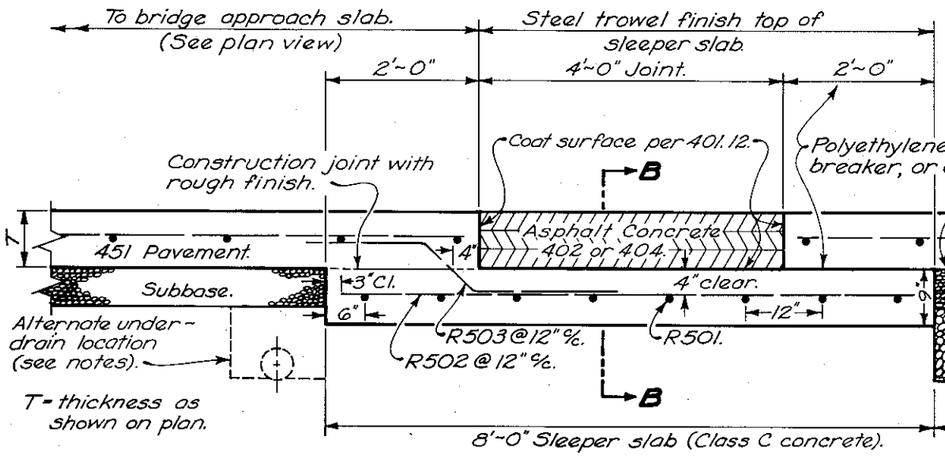
ASPHALT CONCRETE, 402 or 404, shall be compacted in three equal courses with compaction equipment as approved by the Engineer. Surface of the asphalt concrete shall be flush to 1/4" above the concrete pavement surface.

BARRICADES shall be provided during construction until the relief joint has been filled with asphalt.

MEASUREMENT of the pressure relief joint for pay purposes shall be along the centerline of the joint, edge to edge of pavement or back to back of curbs. Payment shall be per linear foot for Item Special, Pressure relief joint, Type A, which shall include all work and materials necessary to complete the joint, except for the pipe underdrain.

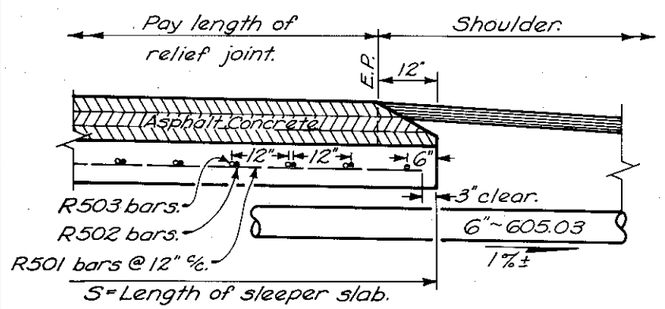
UNDERDRAIN: A perforated metal pipe underdrain, 707.01 Type III or 707.12, shall be placed along the upgrade side of the sleeper slab. It shall extend from edge to edge of the sleeper slab and shall be outletted as shown on the plan, either to a longitudinal under-drain, a catch basin, or through the embankment or ditch inslope. These drains shall be paid for per linear foot of 605 6" Shallow pipe underdrains.

EXPANSION JOINTS normally required in the bridge approach pavement per 451.08(c) will not be required.

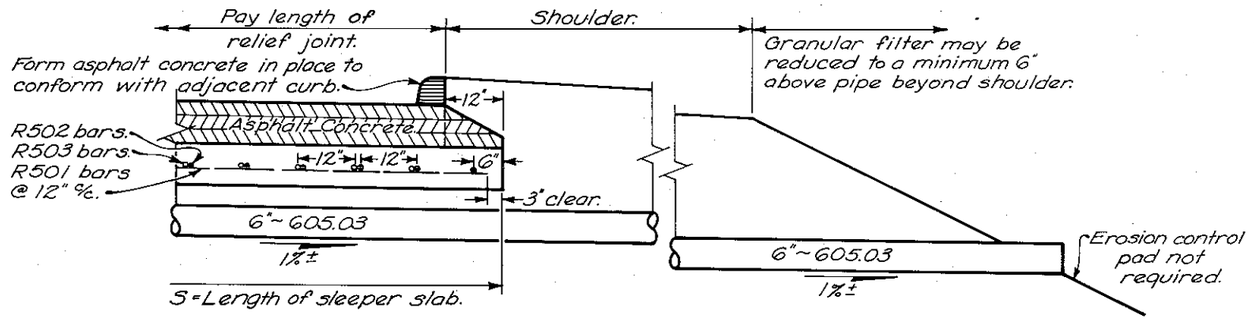


SECTION A-A

✚ Care shall be taken in the area 0' to 4' from the sleeper slab to be sure the surface of the subbase or subgrade is finished smooth and is flush with or slightly higher than the surface of the sleeper slab.



SECTION B-B



SECTION B-B WITH CURB
(showing an underdrain outlet "through the embankment").

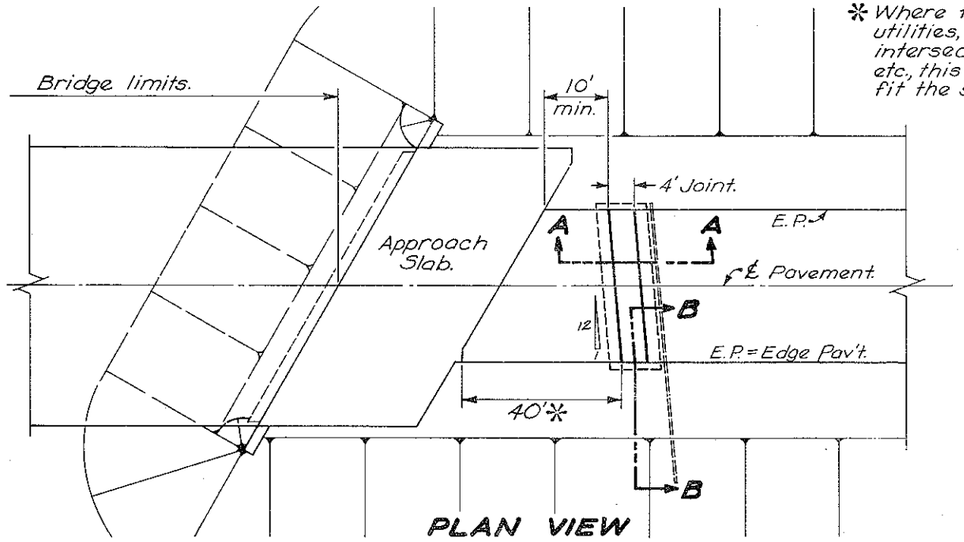
BUREAU OF ROADWAY DESIGN
OHIO DEPARTMENT OF TRANSPORTATION

PRESSURE RELIEF JOINT TYPE A

DATE 1-3-75

STANDARD CONSTRUCTION DRAWING BP-10

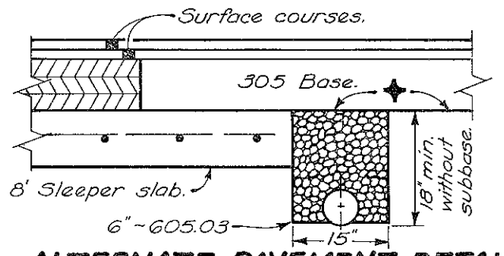
APPROVED E. J. Schaefer ENGR., R.D.



PLAN VIEW

PRESSURE RELIEF JOINT - TYPE A

* Where there are conflicts such as utilities, drainage structures, intersections, excessive bridge skew, etc., this dimension may be varied to fit the situation.

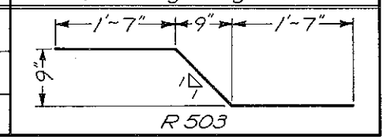


ALTERNATE PAVEMENT DETAIL

For details not shown, see Section A-A.

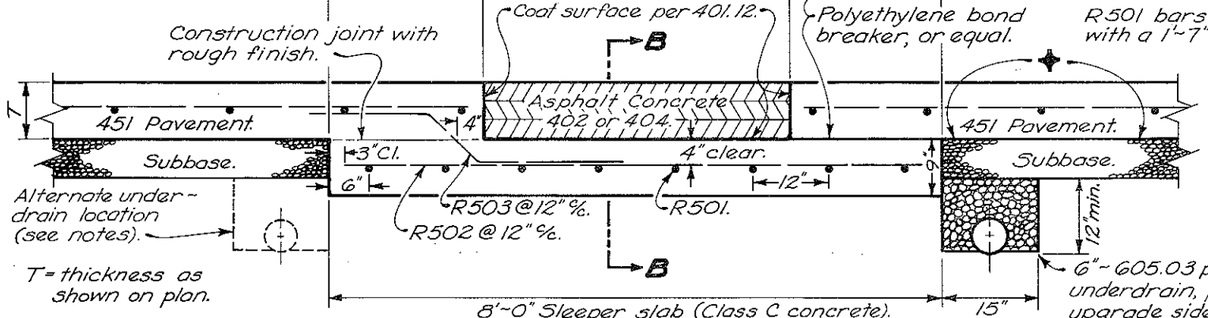
REINFORCING STEEL LIST 5/8" ϕ

Mark	Shape	No.	Length	Bending Diagram
R501	St.	8	S - 6"	
R502	St.	⊛S	7'-6"	
R503	Bt.	⊛S-2	4'-3"	



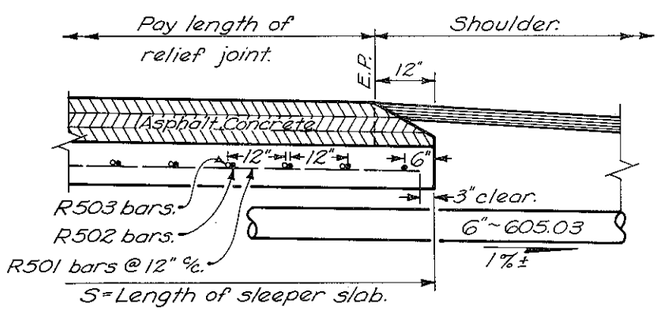
⊛ S = Length of sleeper slab (in feet).

R501 bars may be furnished in segments with a 1'~7" bar lap between segments.

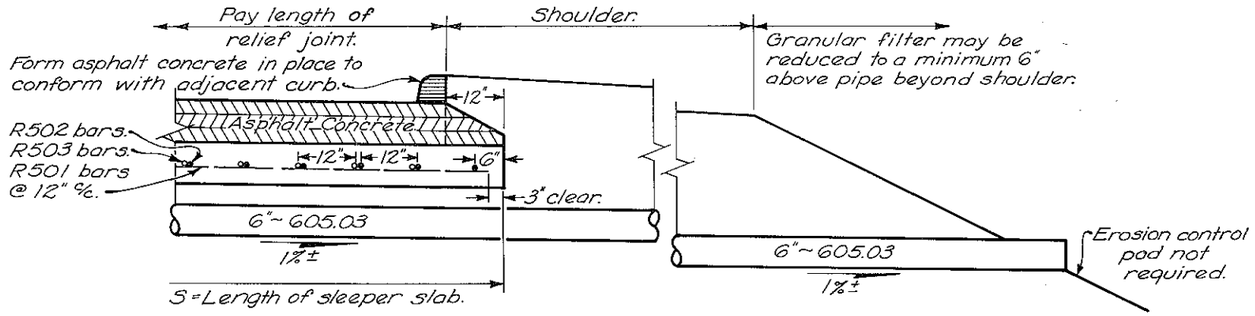


SECTION A-A

✚ Care shall be taken in the area 0' to 4' from the sleeper slab to be sure the surface of the subbase or subgrade is finished smooth and is flush with or slightly higher than the surface of the sleeper slab.



SECTION B-B



SECTION B-B WITH CURB

(showing an underdrain outlet "through the embankment".).

NOTES

ASPHALT CONCRETE, 402 or 404, shall be compacted in three equal courses with compaction equipment as approved by the Engineer. Surface of the asphalt concrete shall be flush to 1/4" above the concrete pavement surface.

BARRICADES shall be provided during construction until the relief joint has been filled with asphalt.

MEASUREMENT of the pressure relief joint for pay purposes shall be along the centerline of the joint, edge to edge of pavement or back to back of curbs. Payment shall be per linear foot for Item Special, Pressure relief joint, Type A, which shall include all work and materials necessary to complete the joint, except for the pipe underdrain.

UNDERDRAIN: A perforated metal pipe underdrain, 707.01 Type III or 707.21 Type III shall be placed along the upgrade side of the sleeper slab. It shall extend from edge to edge of the sleeper slab and shall be outletted as shown on the plan, either to a longitudinal underdrain, a catch basin, or through the embankment or ditch inslope. These drains shall be paid for per linear foot of 605 6" Shallow pipe underdrains, 707.01 Type III or 707.21 Type III.

EXPANSION JOINTS normally required in the bridge approach pavement per 451.08(c) will not be required.

BUREAU OF LOCATION AND DESIGN
OHIO DEPARTMENT OF TRANSPORTATION

PRESSURE RELIEF JOINT TYPE A

DATE 1-3-75 1-30-84

STANDARD CONSTRUCTION DRAWING BP-10

APPROVED _____ ENGR., L. & D.