

NOTES

JOINTS: All joints shall be sawed full depth, however, the cut may be made in two passes. To reduce the possibility of saw binding, joints should be cut, if possible, on over-cast days and/or when the temperature is less than 21° C.

CURBED PAVEMENTS: The pressure relief joint shall be cut through to the back of curb. After filling the joint, asphalt concrete shall be formed and tamped in place to conform to the adjacent curb.

PAVEMENTS WITH CONCRETE SHOULDERS: The pressure relief joint shall be cut through to the outer edge of the shoulder.

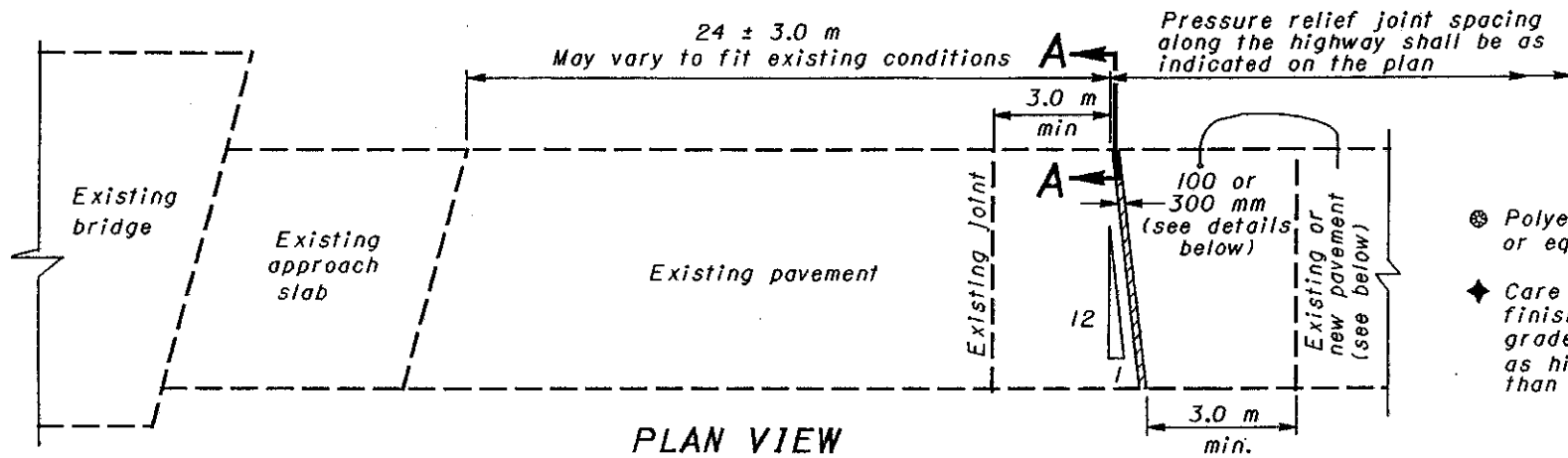
SKEW: The pressure relief joint skew shall be 12:1 or greater unless otherwise directed by the Engineer.

ANY OF THE PRESSURE RELIEF JOINT TYPES: shown may be filled with two or three lifts of loosely compacted Item 405 or 921 asphalt concrete. *In pavement that is not to be resurfaced in the near future the Type D joint may be filled with material manufactured for pressure relief joints (in accordance with manufacturer's instructions), such as Meadows Sealtight Ceramar or Froth Pak urethane foam or approved equal.

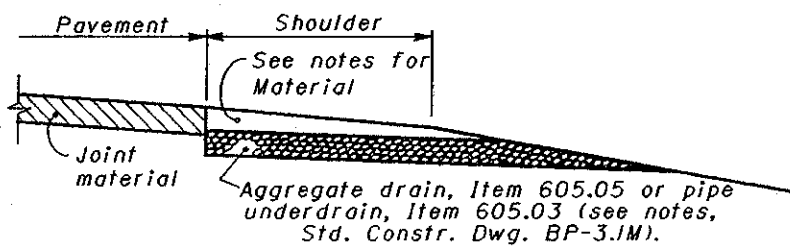
AGGREGATE DRAINS: shall be provided from the low end (or ends) of each pressure relief joint to the embankment slope or ditch inslope. A drain will be required at both ends of the joint if the pavement is crowned with transverse slopes toward both edges. If a feasible outlet is not available for aggregate drains, then metal pipe underdrains, with perforated pipe and aggregate backfill, shall be provided instead of aggregate drains and the pipe extended to a suitable outlet. The material above the filter aggregate of the drain in paved shoulder area may be the same as the shoulder pavement or may be the same as the asphalt material used in the pressure relief joint and included in Item 605 for payment.

MEASUREMENT: Pressure relief joint measurement for pay purposes shall be along the centerline of the joint, edge to edge of pavement when asphalt shoulders are used, edge to edge of shoulder when concrete shoulders are used, or back to back of curbs. Payment shall be per meter for Item Special, Pressure Relief Joint, Type ____, which shall include all work and materials necessary to complete the joint except for the aggregate drains or pipe underdrains which shall be constructed and paid for as Item 605.

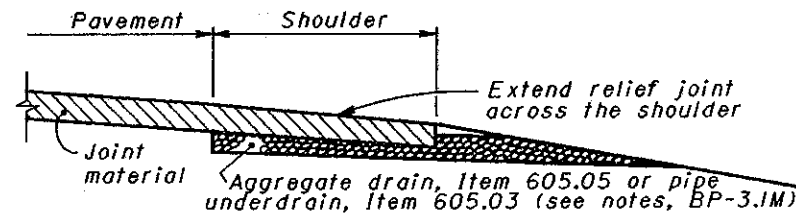
CEMENT: Cement other than the Item 701.05 specified may be used if approved by the Engineer, provided an accelerating admixture meeting the requirements of ASTM C 494 Type C or E, and an air entraining admixture meeting the requirements of Item 705.10 is added at the mixer.



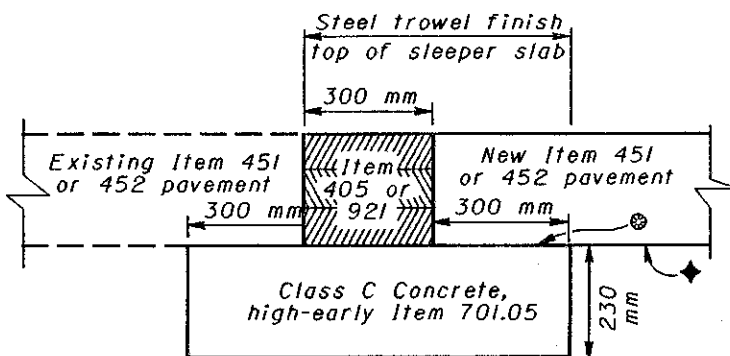
- ⊗ Polyethylene bond-breaker or equal.
- ◆ Care shall be taken to finish the subbase or sub-grade surface smooth and as high or slightly higher than the sleeper slab.



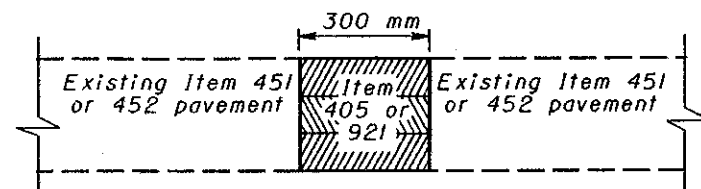
SECTION A-A WITH ASPHALT SHOULDERS



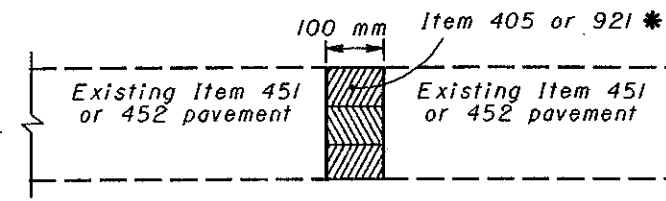
SECTION A-A WITH CONCRETE SHOULDERS



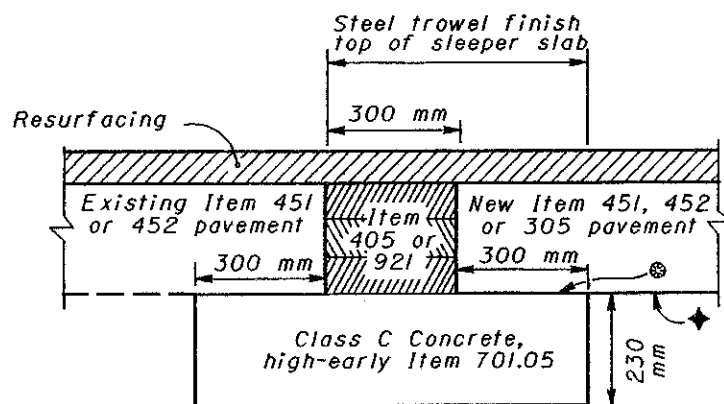
TYPE B



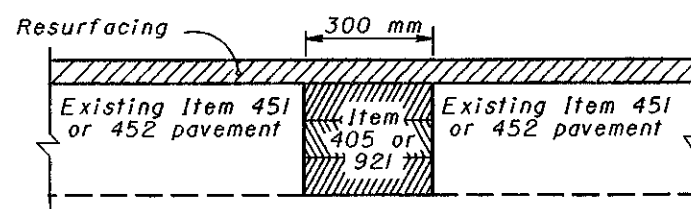
TYPE C



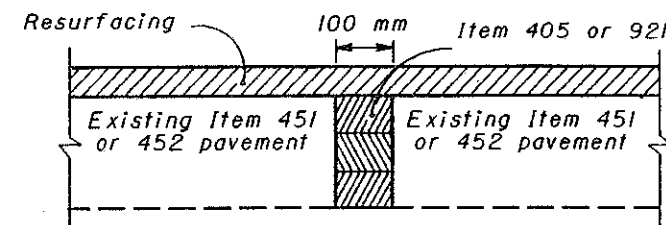
TYPE D



TYPE B - WITH RESURFACING



TYPE C - WITH RESURFACING



TYPE D - WITH RESURFACING



BUREAU OF LOCATION AND DESIGN OHIO DEPARTMENT OF TRANSPORTATION	
PRESSURE RELIEF JOINT	DATE
TYPES B, C, & D	10-28-94
STANDARD CONSTRUCTION DRAWING	BP-2.4M
APPROVED <i>W.K. Huhman</i>	
ENGR., L & D	