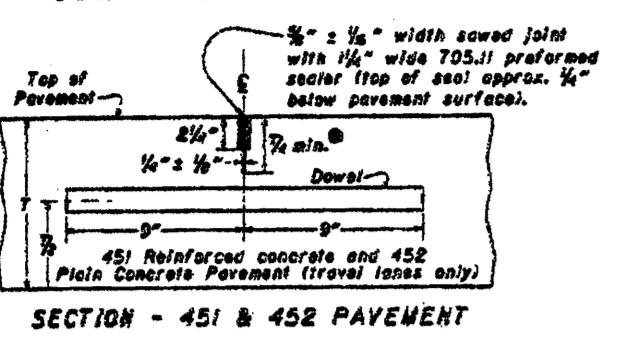
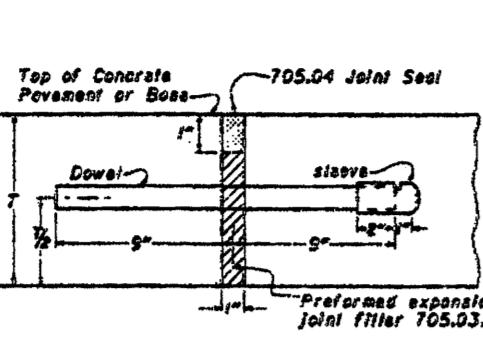


CONTRACTION JOINTS



EXPANSION JOINT



CONTRACTION JOINTS * All contraction joints in reinforced concrete and 452 plain concrete pavements shall be doweled. Contraction joints in 451 plain concrete base or shoulders shall be doweled in staggered positions on each side of the assembly. Where the assembly is 12' long, it is recommended to use the 18" length pins, such as where hardpan or rock is encountered. The Engineer may authorize use of shorter pins. Where the assembly is 18' long, the Engineer may authorize use of 12" length pins. Where the assembly is placed on granular material which may allow settlement or distortion, the assembly shall be anchored to prevent settling. Anchoring may be accomplished by use of pins and/or steel plates, or by some other means to the satisfaction of the Engineer.

SEE TYPICAL JOINT DETAIL

CONTRACTION JOINT SPACING

TYPE OF PAVEMENT	MAXIMUM SPACING BETWEEN JOINTS
451 Reinforced Concrete Pavement	81 in. ft.
452 Plain Concrete Pavement	17 in. ft.
451 & 305 Plain Concrete Base	20 in. ft.

~~SECTION - 451 & 452 PAVEMENT~~

~~SECTION THROUGH EXPANSION JOINT~~

~~SECTION - 452 SHOULDER~~

~~SECTION - 305 BASE~~

~~SECTION - CONSTRUCTION JOINT~~

~~SECTION THROUGH CONSTRUCTION JOINT~~

~~SECTION - 451 & 452 PAVEMENT~~

~~SECTION - 452 SHOULDER~~

~~SECTION - 305 BASE~~

~~SECTION - CONSTRUCTION JOINT~~

~~SECTION - 451 & 452 PAVEMENT~~

~~SECTION - 452 SHOULDER~~

~~SECTION - 305 BASE~~

~~SECTION - CONSTRUCTION JOINT~~

~~SECTION - 451 & 452 PAVEMENT~~

~~SECTION - 452 SHOULDER~~

~~SECTION - 305 BASE~~

~~SECTION - CONSTRUCTION JOINT~~

~~SECTION - 451 & 452 PAVEMENT~~

~~SECTION - 452 SHOULDER~~

~~SECTION - 305 BASE~~

~~SECTION - CONSTRUCTION JOINT~~

~~SECTION - 451 & 452 PAVEMENT~~

~~SECTION - 452 SHOULDER~~

~~SECTION - 305 BASE~~

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~~SECTION - 451 & 452 PAVEMENT~~

~~SECTION - 452 SHOULDER~~

~~SECTION - 305 BASE~~

~~SECTION - CONSTRUCTION JOINT~~

~~SECTION -~~