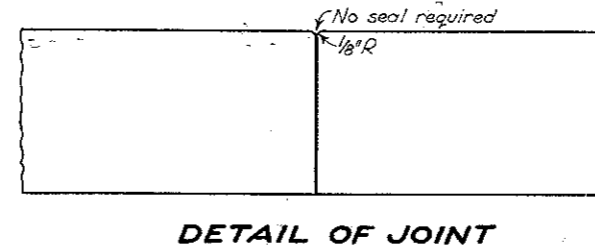
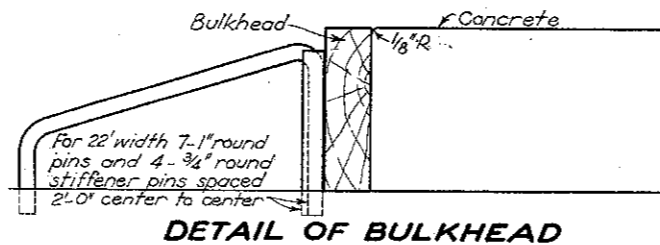


PAVEMENT JOINTS

FED. RD. DIST. NO.	STATE	PROJECT

CONSTRUCTION JOINT



GENERAL: Expansion, contraction and longitudinal joints to be considered as alternates; the type to be used on any particular project shall be optional with the contractor, except as hereinafter noted. The type of joint selected by the contractor shall be approved by the Engineer. The spacing of expansion and contraction joints shall be as shown on the typical drawings or in accordance with working drawings furnished by the State Engineer. Special care shall be exercised in edging joints that the opening does not exceed that shown. A positive method to maintain required alignment shall be used in connecting the expansion joints of longitudinal joints. The material shall meet in a vertical joint. Longitudinal keys shall be used where shown on the typical drawings. The expansion joint material shall be accurately and rigidly placed by means approved by the Engineer. A steel plate for joint material during installation will not be required. The expansion joint material shall be shaped to fit the surface of the pavement. Joints in monolithic curbs shall be constructed with the same type of filler material as used in the expansion joints.

The spacing of expansion and contraction joints shall be as shown on the typical drawings or in accordance with working drawings furnished by the State Engineer. Special care shall be exercised in edging joints that the opening does not exceed that shown.

A positive method to maintain required alignment shall be used in connecting the expansion joints of longitudinal joints. The material shall meet in a vertical joint. Longitudinal keys shall be used where shown on the typical drawings. The expansion joint material shall be accurately and rigidly placed by means approved by the Engineer. A steel plate for joint material during installation will not be required. The expansion joint material shall be shaped to fit the surface of the pavement.

Joints in monolithic curbs shall be constructed with the same type of filler material as used in the expansion joints.

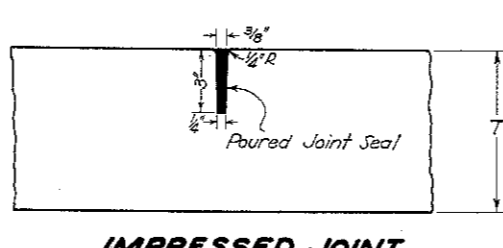
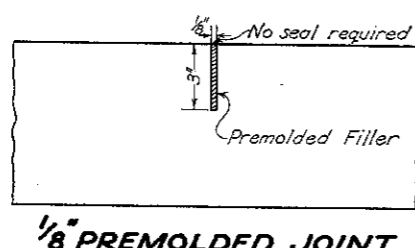
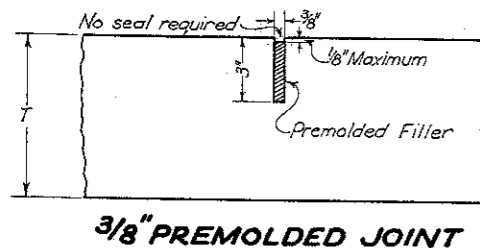
EXPANSION JOINTS: Expansion joints shall be constructed as shown herewith meeting the requirements of Supp. Spec. T-10.1 and M-5.1.2 AE-1 or 2 before adjoining slabs are poured.

Expansion joint material shall be accurately and rigidly placed by means approved by the Engineer. A steel plate for joint material during installation will not be required.

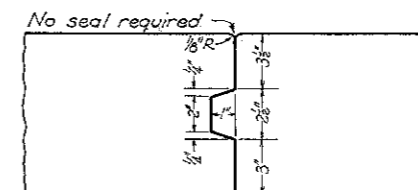
The expansion joint material shall be shaped to fit the surface of the pavement.

Joints in monolithic curbs shall be constructed with the same type of filler material as used in the expansion joints.

LONGITUDINAL AND CONTRACTION JOINTS



LONGITUDINAL KEY JOINT



NOTE: This joint is designed for 9\"/>

CONTRACTION AND LONGITUDINAL JOINTS: Premolded contraction and longitudinal joint material for 3/8 inch and 1/8 inch premolded joints shall meet the requirements of Sections M-10.1 and M-5.1.2 AE-1 or 2 before adjoining slabs are poured. The top edge of the joint material shall be shaped to fit the surface of the pavement. 3/8 inch and 1/8 inch premolded joints shall not be edged. Impressed contraction and longitudinal joints shall be formed by impressing a device or bar into the newly deposited concrete. The device or bar shall be removed as soon as the concrete has set in such condition as to preclude distortion or injury to the groove thus formed shall be of the dimensions detailed. After the joint is formed it must be protected from dirt and debris until the filler is placed.

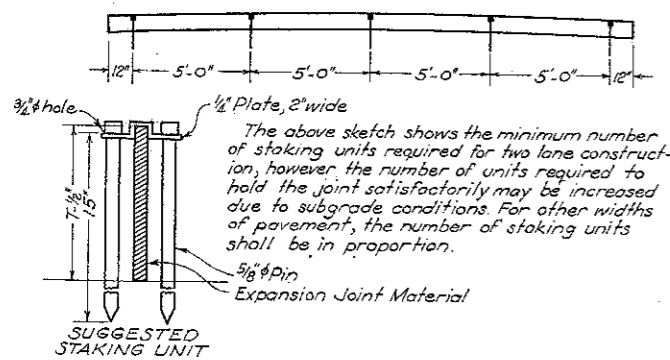
Impressed contraction and longitudinal joints shall be formed by impressing a device or bar into the newly deposited concrete. The device or bar shall be removed as soon as the concrete has set in such condition as to preclude distortion or injury to the groove thus formed shall be of the dimensions detailed. After the joint is formed it must be protected from dirt and debris until the filler is placed.

After the joint is formed it must be protected from dirt and debris until the filler is placed.

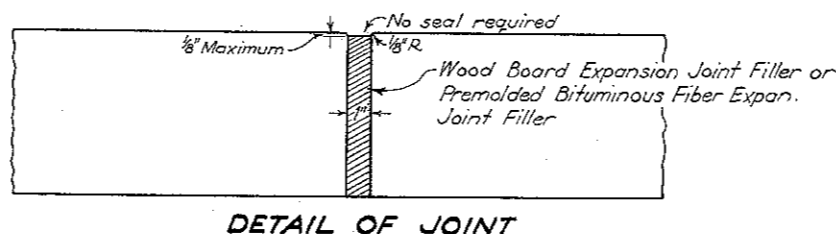
LONGITUDINAL KEY JOINT: The longitudinal joint between slabs poured in separate operations shall be a key joint. Key joints shall be painted with two coats of bituminous material as per Sec. M-5.1.2 AE-1 or 2 before adjoining slabs are poured.

POURED JOINT SEAL: The bituminous material for filling poured joints shall meet the requirements of Sec. M-5.4 F.1 of the specification. The filler shall be handled in such a manner that it will be confined to the joint and in no wise mar the surface of the pavement.

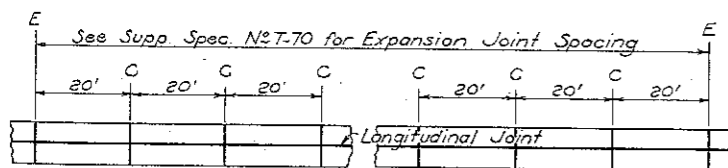
EXPANSION JOINTS



METHOD OF STAKING JOINTS



DETAIL OF JOINT



ARRANGEMENT OF TRANSVERSE JOINTS
C = Contraction Joint
E = Expansion Joint

BUREAU OF LOCATION & RIGHT OF WAY
OHIO DEPARTMENT OF HIGHWAYS

PAVEMENT JOINTS

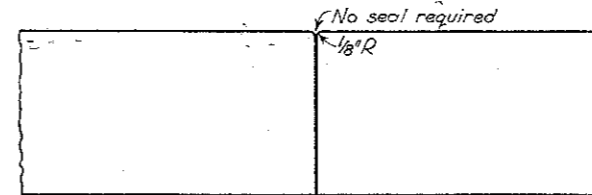
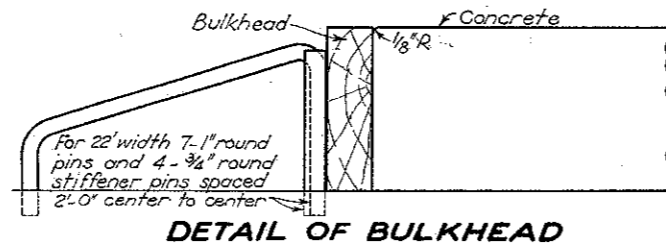
STANDARD CONSTRUCTION DRAWING
APPROVED **M.D.S.** CHIEF ENGINEER

PCJ

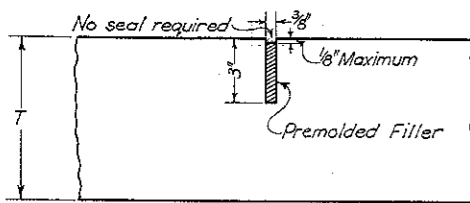
PAVEMENT JOINTS

FED. RD. DIST. NO.	STATE	PROJECT	FISCAL YEAR

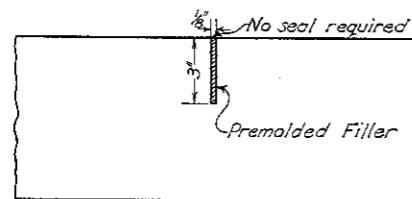
CONSTRUCTION JOINT



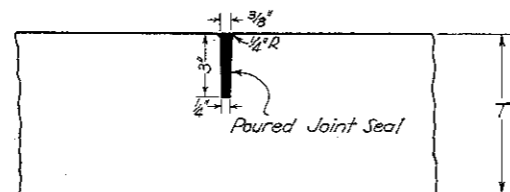
LONGITUDINAL AND CONTRACTION JOINTS



3/8" PREMOLDED JOINT

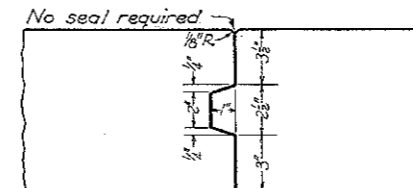


1/8" PREMOLDED JOINT



IMPRESSED JOINT

LONGITUDINAL KEY JOINT



NOTE: This joint is designed for 9" slab. When a greater or less thickness is used the joint shall be proportionally designed. Other deformations may be used, if approved by the Engineer.

GENERAL: Expansion, contraction and longitudinal joints shown are to be considered as alternates; the type to be used on any project shall be optional with the contractor, except as hereinafter noted for longitudinal key joints. The type of joint selected by the contractor and all operations and materials for installing the joints shall be approved by the Engineer.

The spacing of expansion and contraction joints shall be according to Supplemental Specification T-70.

Longitudinal joints shall be used where shown on the typical section. Joint arrangements at intersections shall be as shown on the plans or in accordance with working drawings furnished by the State.

Special care shall be exercised in edging joints that the width of the opening does not exceed that shown.

A positive method to maintain required alignment shall be used in connecting the expansion joints at longitudinal joints. The expansion material shall meet in a vertical joint. Longitudinal keys and keyways, where used shall be omitted for the thickness of the expansion joint.

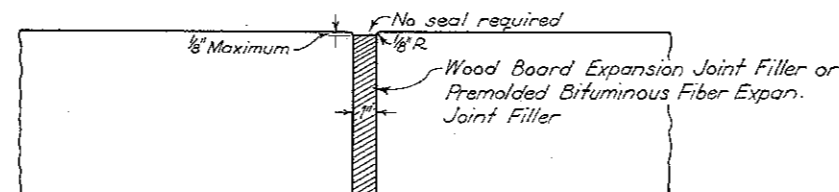
EXPANSION JOINTS: Expansion joints shall be constructed of materials as shown herewith meeting the requirements of Supp. Spec. T-70.

Expansion joint material shall be accurately and rigidly held in place by means approved by the Engineer. A steel plate for holding joint material during installation will not be required.

The expansion joint material shall be shaped to fit the section of the pavement.

Joints in monolithic curbs shall be constructed with the same type of filler material as used in the expansion joints.

EXPANSION JOINTS



DETAIL OF JOINT

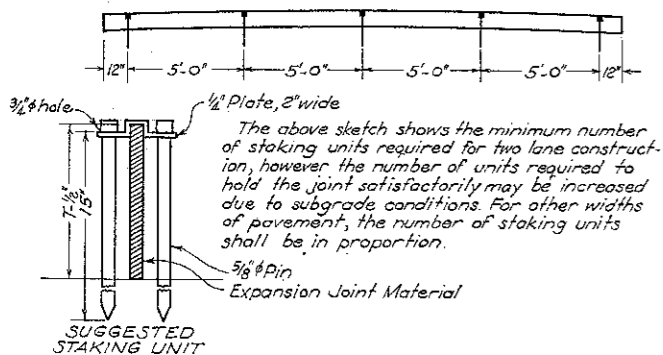
CONTRACTION AND LONGITUDINAL JOINTS: Premolded contraction and longitudinal joint material for 3/8 inch and 1/8 inch premolded joints shall meet the requirements of Sections M-10.1 and M-10.13 respectively of the general specifications. The top edge of contraction joint material shall be shaped to fit the surface of the pavement. The 3/8 inch and 1/8 inch premolded joints shall not be edged.

Impressed contraction and longitudinal joints shall be formed by impressing a device or bar into the newly deposited concrete before initial setting. The device or bar shall be removed as soon as the concrete is in such condition as to preclude distortion or injury to the concrete. The groove thus formed shall be of the dimensions detailed.

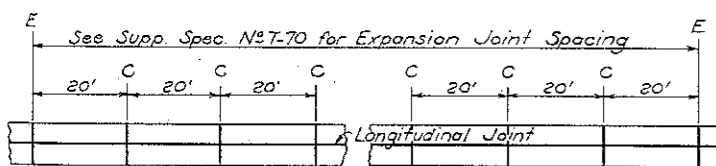
After the joint is formed it must be protected from dirt and foreign matter until the filler is placed.

LONGITUDINAL KEY JOINT: The longitudinal joint between adjoining slabs poured in separate operations shall be a key joint. Key joints shall be painted with two coats of bituminous material as per Sec. M-5.12 AE-1 or 2 before adjoining slabs are poured.

POURED JOINT SEAL: The bituminous material for filling impressed joints shall meet the requirements of Sec. M-5.14 F-1 of the general specification. The filler shall be handled in such a manner that it will be confined to the joint and in no wise mar the surface.



METHOD OF STAKING JOINTS



ARRANGEMENT OF TRANSVERSE JOINTS

C = Contraction Joint
E = Expansion Joint

BUREAU OF LOCATION & RIGHT OF WAY
OHIO DEPARTMENT OF HIGHWAYS

PAVEMENT JOINTS

DATE
12-15-42

STANDARD
CONSTRUCTION
DRAWING
APPROVED M.D.S. CHIEF ENGINEER

PCJ