



Figure 1 illustrates the schematic representation of different types of joints. The joints are categorized into five types, each with a corresponding schematic diagram:

- Transverse Contraction Joint:** Represented by a solid horizontal line with small vertical tick marks at regular intervals.
- Transverse Construction Joint:** Represented by a dashed horizontal line with small vertical tick marks at regular intervals.
- Longitudinal Contraction Joint:** Represented by a solid horizontal line with small vertical tick marks at regular intervals.
- Longitudinal Construction Joint:** Represented by a dashed horizontal line with small vertical tick marks at regular intervals.
- Isolation Joint:** Represented by a solid horizontal line with small vertical tick marks at regular intervals.

1. Contractor shall submit a final detailed Jointing plan (based upon their Approved Construction Phasing Plan) to the Engineer for Approval at least 30 days prior to placing any concrete pavement.
2. All valves, manhole rings, and any other casting that fall within the pavement shall be isolated with 1/2" Ceramar (or Approved Equal).
3. Manholes and valves shall be jointed where possible. For manholes and valves that cannot be jointed, #4 deformed bars shall be placed in the slab 6" from the structure on all sides.
4. Contractor shall submit a Concrete Paving Plan that includes their Concrete Delivery Plan and Guaranteed Concrete Supply Rate to the Engineer for Approval at least 30 days prior to placing any Concrete Pavement.
5. All longitudinal joints shall be tied. Keyways will not be allowed.
6. Tie Bars shall be evenly spaced along the length of the slab and no tie bar shall be within 2 ft. of a contraction joint.
7. Tie Bars shall be supported in the proper position by chairs driven into the base, or may be placed by approved mechanical methods into the plastic concrete ahead of the finishing screed prior to the final consolidation of the concrete. Tie Bars Shall NOT be inserted by driving (or "poking") them into the finished consolidated concrete.
8. All tie bars and dowels shall be epoxy coated.
9. Maximum joint spacing for pavement shall be 12 feet. Sidewalk joint spacing shall match sidewalk width but should not exceed 8 feet in any direction.
10. Where a joint deadheads into an adjacent slab, a 2 inch hole at the junction of the joint shall be either preformed or cored (full depth) to prevent reflective cracking. The hole shall be filled 2/3 with foam or some other compressible material and topped off with joint sealant material when sealing the joints.