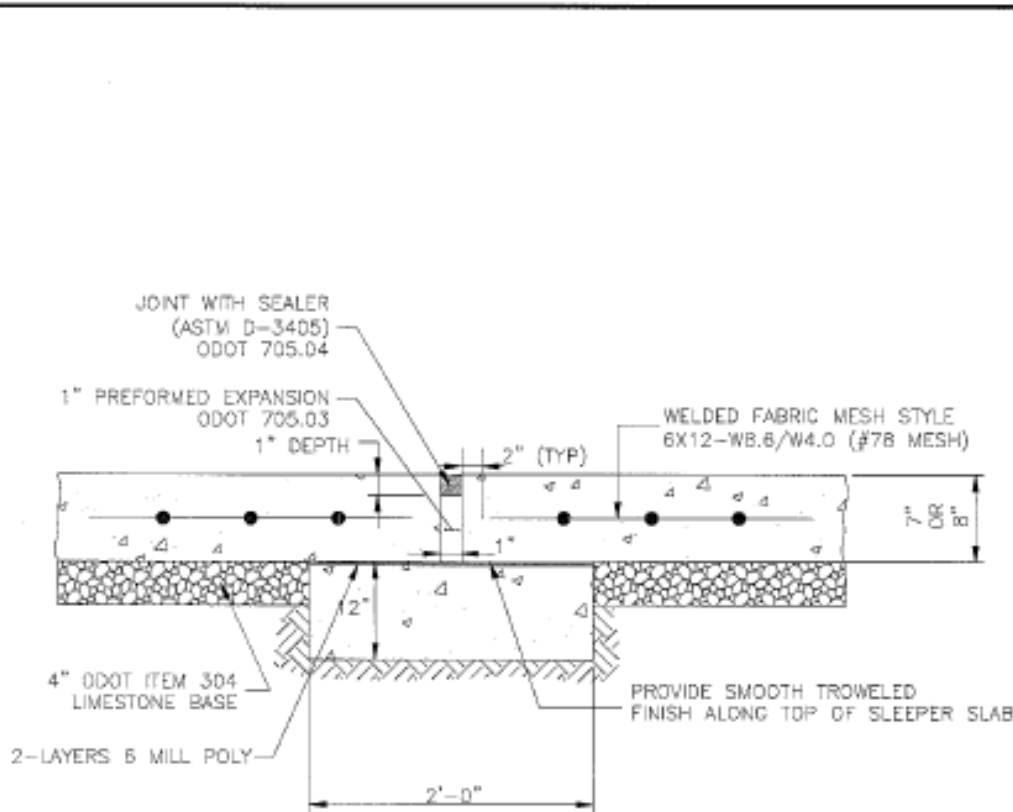


CITY OF AVON	
CONSTRUCTION STANDARDS AND SPECIFICATIONS	
CONCRETE PAVEMENT JOINT DETAIL	DATE 10/98 DRAFT 08-2013
STANDARD CONSTRUCTION DRAWING	P-1

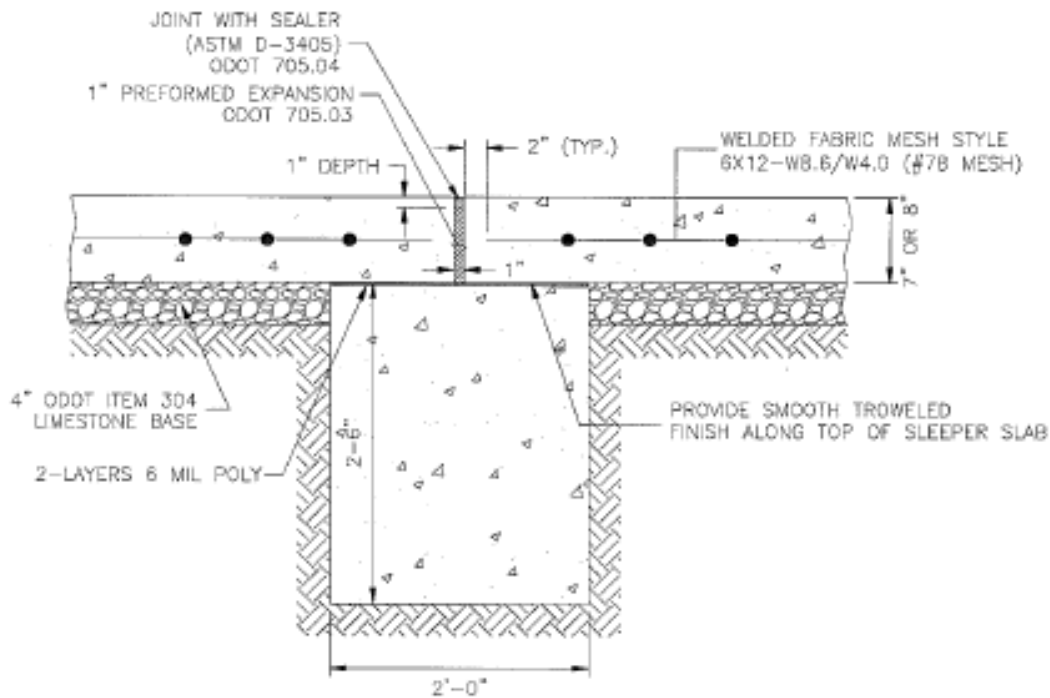


**TRANSVERSE EXPANSION JOINT DETAIL**  
SLEEPER SLAB

**NOTES**

- 1) SLEEPER SLAB ASSEMBLIES MAY BE PERMITTED BY THE CITY IN LIEU OF AN EXPANSION JOINT ASSEMBLY FOR CONCRETE PAVEMENT, AS SHOWN ON SHEET P-1. (AT 500 FEET INTERVALS, STREET INTERSECTIONS & P.C.'S & P.T.'S)
- 2) EXCAVATION OF SLEEPER SLABS SHALL BE AN EXACT 2 FT. WIDTH. HOWEVER, SHOULD AN OVER DIG OCCUR, THE ENTIRE EXCAVATION SHALL BE CONCRETE FILLED AND PROVIDED WITH A SMOOTH TROWELED FINISH.
- 3) JOINTS RESTING ON THE SLEEPER SLAB SHALL NOT EXCEED 1" IN WIDTH. A 1/4" WIDER WIDTH TOLERANCE MAY BE PERMITTED AT THE CITY'S DISCRETION.
- 4) CARE SHALL BE TAKEN TO FINISH THE SUBGRADE SURFACE UNDER AND AROUND THE SLEEPER SLAB IN A SMOOTH FIRMLY COMPACTED MANNER.
- 5) (2)TWO LAYERS OF 5 MILL POLY ARE REQUIRED FOR SEPARATION BETWEEN THE SLEEPER SLAB AND CONCRETE ROADWAY.

CITY OF AVON CONSTRUCTION STANDARDS AND SPECIFICATIONS	
TRANSVERSE EXPANSION JOINT DETAIL SLEEPER SLAB	DATE 1/2010
STANDARD CONSTRUCTION DRAWING	P-2

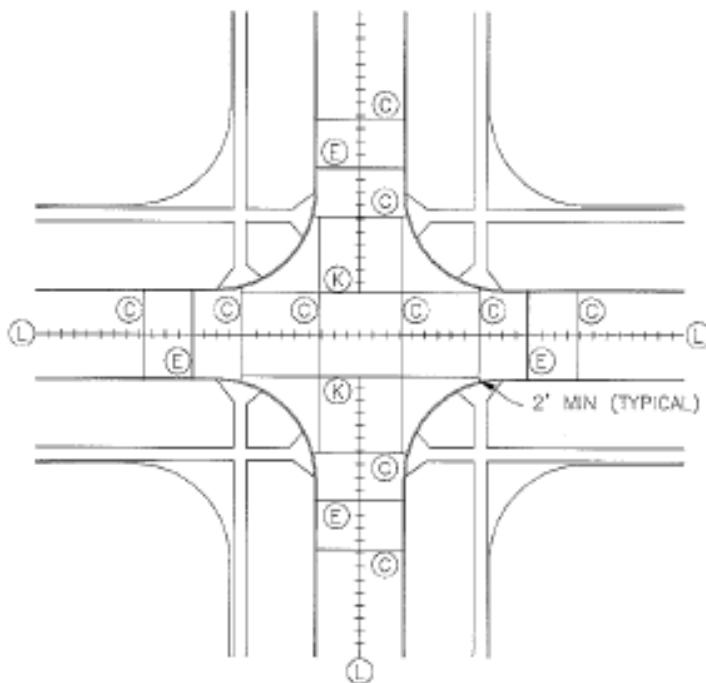


**NOTES**

- 1) SLEEPER SLAB ASSEMBLIES ARE REQUIRED BY THE CITY IN LIEU OF AN EXPANSION JOINT ASSEMBLY FOR CONCRETE PAVEMENT, AS SHOWN ON SHEET P-1, (AT 500 FEET INTERVALS, STREET INTERSECTIONS & P.C.'S & P.T.'S)
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- 3) JOINTS RESTING ON THE SLEEPER SLAB SHALL NOT EXCEED 1" IN WIDTH. A 1/4" WIDER WIDTH TOLERANCE MAY BE PERMITTED AT THE CITY'S DISCRETION.
- 4) CARE SHALL BE TAKEN TO FINISH THE SUBGRADE SURFACE UNDER AND AROUND THE SLEEPER SLAB IN A SMOOTH FIRMLY COMPACTED MANNER.
- 5) (2)TWO LAYERS OF 6 MIL POLY ARE REQUIRED FOR SEPARATION BETWEEN THE SLEEPER SLAB AND CONCRETE ROADWAY.

**TRANSVERSE EXPANSION JOINT DETAIL**  
SLEEPER SLAB

CITY OF AVON CONSTRUCTION STANDARDS AND SPECIFICATIONS	
TRANSVERSE EXPANSION JOINT DETAIL SLEEPER SLAB	DATE 6/2013
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TYPICAL INTERSECTION PLAN

**JOINT LEGEND**

- (L) ——— STANDARD LONGITUDINAL JOINT
- (C) ——— STANDARD CONTRACTION JOINT
- (K) ——— THICKENED EDGE KEY JOINT
- (E) ——— EXPANSION JOINT

**CONSTRUCTION NOTES AND STANDARDS**

1. CONTRACTION JOINT SAW CUTS SHALL BE DONE AS SOON AS THE MACHINE CAN MAKE A CLEAN CUT WITH STRAIGHT EDGES MAXIMUM SPACING SHALL BE 15 FEET.
2. EXPANSION JOINTS IN CONFLICT WITH MONUMENT BOX LOCATIONS SHALL BE MOVED FIVE (5) FEET IN EITHER DIRECTION.
3. CONCRETE POURS OF ONE HUNDRED (100) CUBIC YARDS OR LESS IN ANY ONE (1) DAY SHALL REQUIRE THE TAKING OF TWO (2) TEST CYLINDERS BY A QUALIFIED TESTING LAB AND OBTAIN A COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
4. CONCRETE POURS OF TEN (10) CUBIC YARDS OR LESS IN ANY ONE (1) DAY WILL NOT REQUIRE THE TAKING OF TEST CYLINDERS. HOWEVER, THE CONTRACTOR MAY DO SO AT HIS OPTION.
5. CONCRETE TEST CYLINDERS SHALL BE MADE DURING PAVING OPERATIONS AT THE RATE OF TWO (2) PER ONE HUNDRED (100) CUBIC YARDS AND TWO (2) TEST BEAMS FOR EACH DAY'S PLACEMENT OF CONCRETE, ONE (1) BEAM IN THE A.M. & ONE (1) BEAM IN THE P.M.
6. CYLINDERS AND BEAMS SHALL BE TAKEN BY A QUALIFIED TESTING LAB.
7. A BEAM IS TO BE TESTED AT SEVEN (7) DAYS CURING PERIOD. NO TRAFFIC SHALL BE PERMITTED ON THE NEWLY PLACED CONCRETE UNLESS THE SEVEN (7) DAY BEAM BREAK IS AT LEAST 500 PSI FLEXURAL STRENGTH.
8. ALL CONCRETE IS TO BE ODOT CLASS "C" 4000 PSI WITH 6% AIR ENTRAINMENT, PLUS OR MINUS 1%.
9. ALL CONCRETE POURED FOR THE INSTALLATION OF ANY PUBLICLY DEDICATED (FUTURE OR PRESENT) STREET SHALL BE POURED BY AN AGITATING HAUL UNIT. NON-AGITATING HAUL UNITS (DUMP TRUCKS, ETC.) SHALL NOT BE USED FOR THE DELIVERY OF CONCRETE FROM A BATCH PLANT. A CONCRETE BATCH TICKET SHALL BE DELIVERED TO THE SITE INSPECTOR, SERVICE DIRECTOR, OR CITY ENGINEER WITH EACH LOAD OF CONCRETE DELIVERED FOR USE ON THE PROJECT.

CITY OF AVON	
CONSTRUCTION STANDARDS AND SPECIFICATIONS	
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