

TOWN OF HUDSON  
DEPARTMENT OF PUBLIC WORKS  
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**HDPW-IV**

**PATCHING BITUMINOUS CONCRETE ROADWAYS**

**A. BACKFILL OF EXCAVATIONS WITHIN ROADWAYS**

1. All excavations within roadways shall be backfilled using proper construction practices to minimize settlement. Native material used for backfill shall be free of large stones, stumps, debris, and excessive water. Clean gravel shall be brought in if necessary.
2. The backfill shall be compacted, using vibratory compactors or other approved means, in six (6) inch lifts to a depth
3. The permittee shall be responsible for the proper disposal of any excess material, and for leaving the work site neat and clean.

**B. TEMPORARY PATCHING**

1. Patching of all trenches must take place at the end of the day. No trenches may be left unpaved overnight, unless permission is granted by the Department of Public Works. No traffic is to pass over the excavation area until the temporary pavement has been placed. The permittee shall be responsible for any costs associated with proper traffic control.
2. After backfilling, the pavement shall be replaced temporarily by the permittee. The temporary pavement patch shall consist of a minimum of three (3) inches of hot laid bituminous concrete Type-I.
3. During winter months when hot bituminous plant mix is not available, the temporary pavement shall consist of at least three (3) inches of cold patch.
4. All temporary paving material shall conform closely to the level of the adjoining paved surface and shall be compacted so that it is hard enough to be safe for pedestrian and vehicular travel.
5. The permittee shall maintain the temporary paving for a minimum period of sixty (60) days and shall keep same safe for pedestrian and vehicular traffic until the excavation has been resurfaced with the permanent patch in accordance with Section C of this specification.
6. In the event of non-acceptable maintenance of temporary repairs the permittee will be notified of the situation by the Department of Public Works. Upon notification, the permittee will make required improvements within twenty four (24) hours. If required improvements are not made within twenty four (24) hours (or in emergency situations) the permittee will be billed directly for improvements made by the town.

### C. PERMANENT PATCHING

1. Temporary pavement shall remain in place for a minimum of sixty (60) days to allow for settlement. The Department of Public Works shall be notified prior to the removal of any temporary pavement.
2. Prior to the placement of the permanent pavement, the permittee shall sawcut the existing pavement, by appropriate means, twelve (12) inches outside the original limits of excavation, leaving a sound vertical face for the entire depth of existing pavement. The horizontal lines of the excavation shall be straight and true for the entire length of the trench or a minimum of fifty (50) feet before any deviation in alignment.
3. Temporary pavement, and existing pavement within the sawcut limits, shall be removed to a depth sufficient for the placement of permanent pavement of thickness equal to the existing pavement but in no case less than three (3) inches. The permittee shall be responsible for the disposal of all excavated material as well as any costs associated with traffic control.
4. Prior to the placement of permanent pavement, the sawcut edges of the existing pavement shall be painted with a thin coat of bitumen type RS-1.
5. Immediately upon application of the bitumen, the permittee shall place the permanent pavement in two (2) courses in accordance with Section 460 of the Massachusetts Standard Specifications and Figure 2. Care shall be taken to insure a smooth and even transition between the new and existing pavements.
6. All joints between the new pavement and the existing pavement shall be treated using the infra-red process within two (2) weeks of the placement of the permanent pavements.
7. The permittee shall be required to correct trench settlement and faulty pavement patches and to otherwise maintain the permanent pavement patch for a period of one (1) year after the completion of the permanent patch.