

ASPHALTIC PLUG TYPE JOINT DETAIL

BURLINGTON CITY NH 2726(I)S & BURLINGTON CITY STP 2727(I)S
 BR 147A U.S. ROUTE 7, STA 3+03.00 (94'-3")
 BR 147A U.S. ROUTE 7, STA 4+91.00 (90'-0")
 U.S. ROUTE 7, STA 11+51.00 (64'-0")
 I-189 RAMP "C", STA C40+15.00 (45'-0")

**ASPHALTIC PLUG BRIDGE JOINT
 GENERAL NOTES**

INSTALLATION:

THE JOINT SHALL BE LOCATED CENTRALLY OVER THE DECK EXPANSION GAP OR FIXED JOINT MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.

THE JOINT SHALL BE EXCAVATED AS SHOWN ON THE PLANS BY USE OF SAWS AND PNEUMATIC HAMMER OR A HAMMER AND CHISEL.

THE JOINT AREA SHALL BE BLAST CLEANED OF DEBRIS AND ASPHALT. THE JOINT AREA SHALL BE THOROUGHLY DRIED USING HOT COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.

SPALLED AND DEFECTIVE CONCRETE SHALL BE REPAIRED WITH AN APPROVED MATERIAL AS AGREED UPON BY THE ENGINEER.

THE BINDER MATERIAL SHALL BE HEATED AND PLACED AS RECOMMENDED BY THE MANUFACTURER.

THE BINDER MATERIAL AND AGGREGATE SHALL BE HEATED AND MIXED AS RECOMMENDED BY THE MANUFACTURER.

THE INSTALLATION OF MATERIAL, COMPACTION, AND TOPCOATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

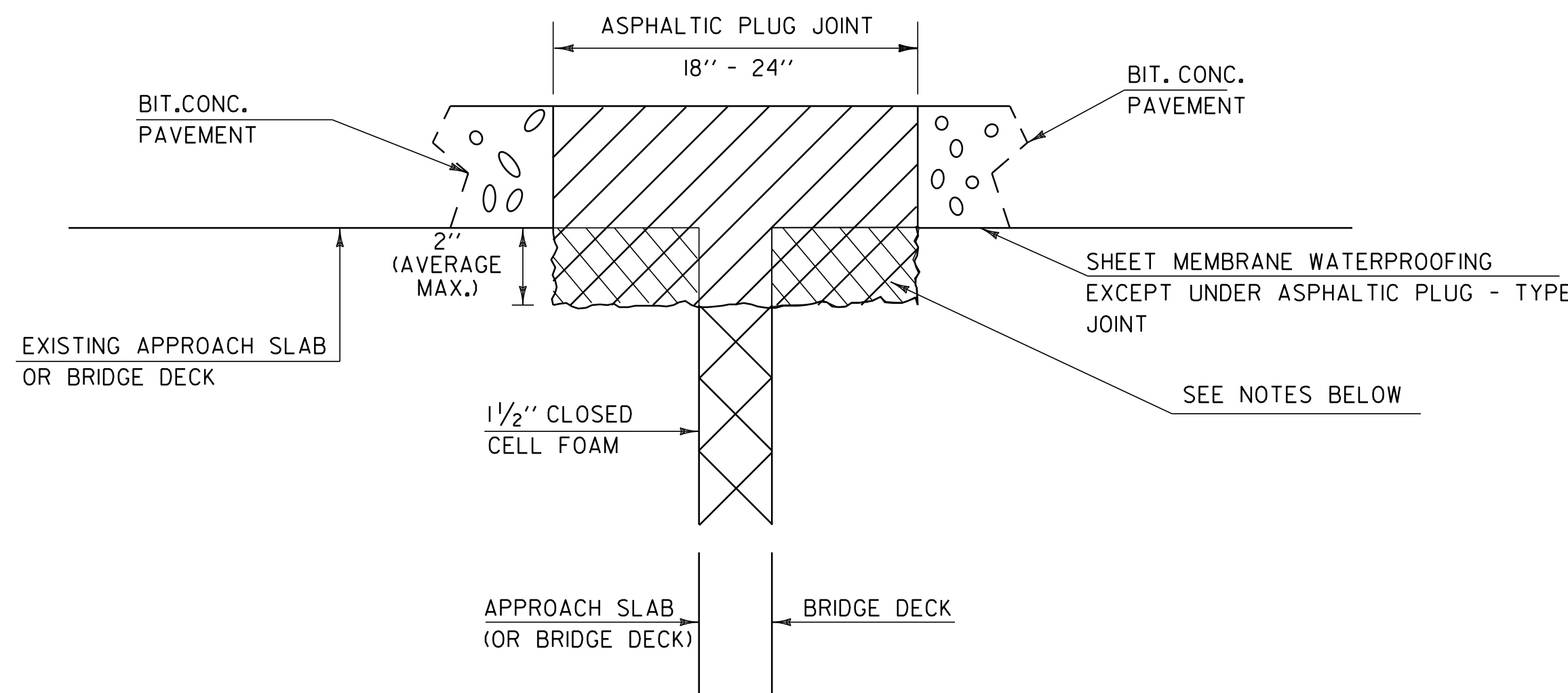
IMMEDIATELY AFTER TOPCOATING, AN ANTI-SKID MATERIAL SHALL BE CAST OVER THE JOINT TO REDUCE THE RISK OF TRACKING.

JOINT SHALL BE PROTECTED FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 52 C +/- (125 F).

WEATHER LIMITATIONS:

BINDER MATERIAL SHALL BE APPLIED ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL:

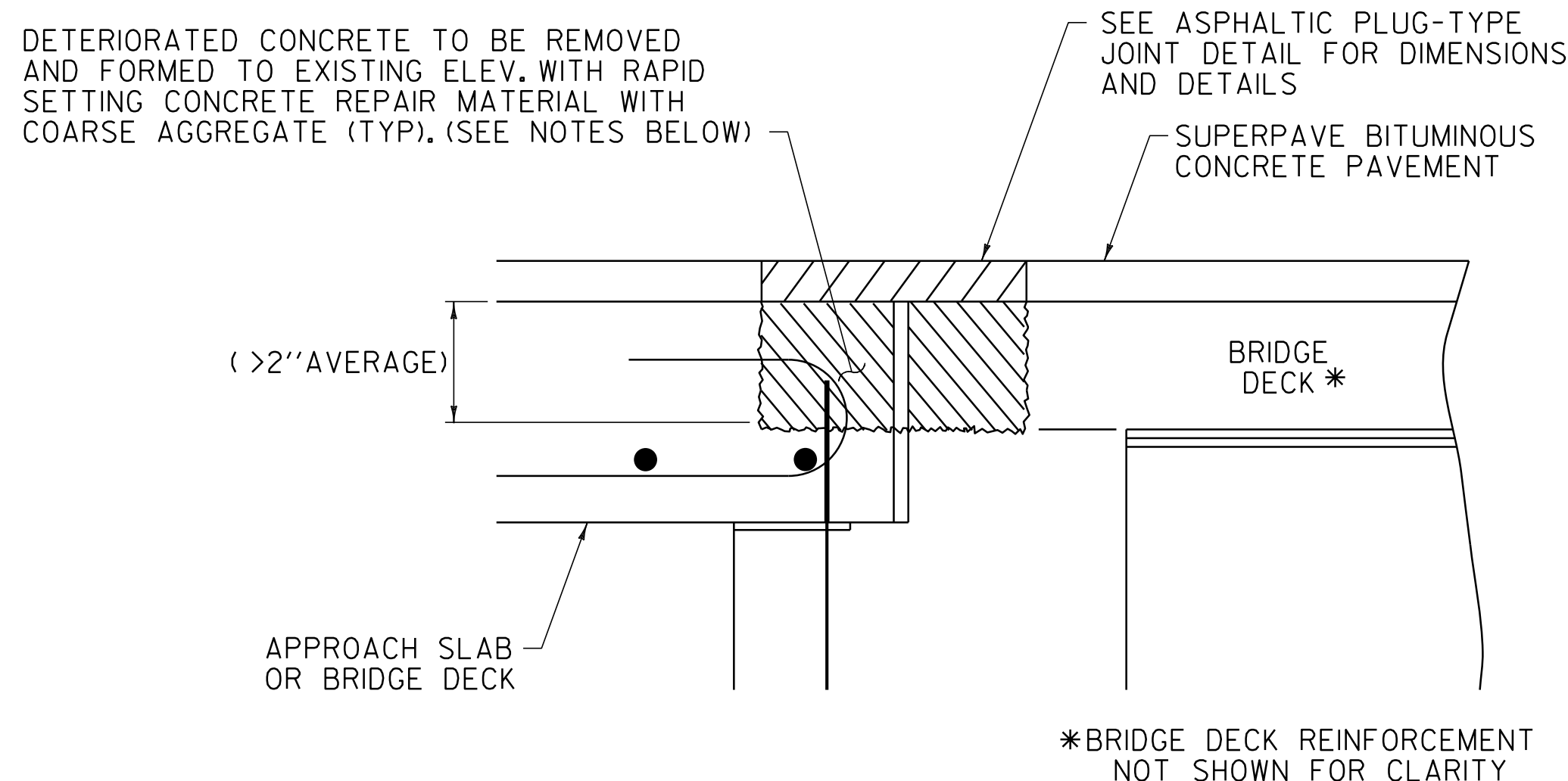
- (A) THE AMBIENT AIR TEMPERATURE IS AT LEAST 10 C (50 F) AND RISING.
- (B) THE ROAD SURFACE IS SUFFICIENTLY DRY.
- (C) WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF THE SATISFACTORY WORK.



ASPHALTIC PLUG-TYPE JOINT DETAIL

NOTES: REMOVAL OF UP TO 2" DETERIORATED CONCRETE

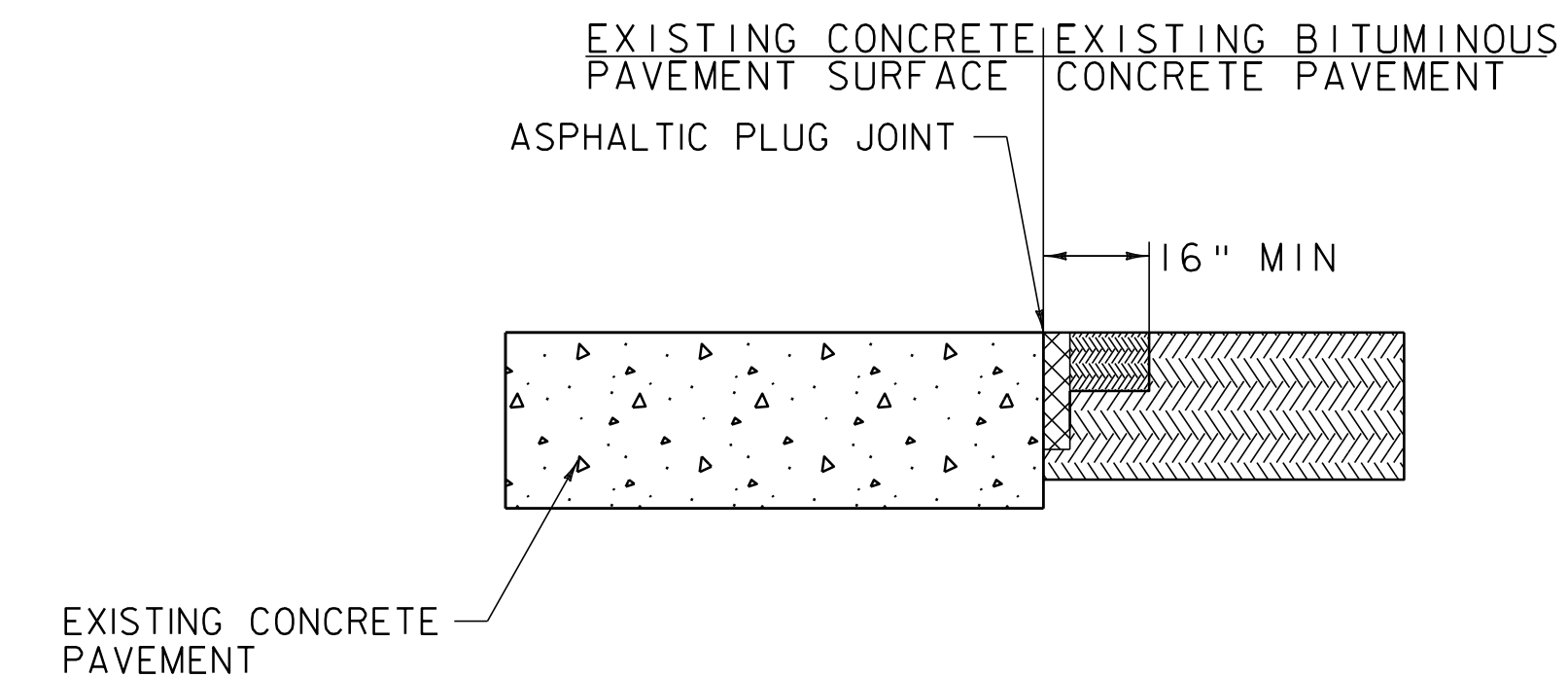
1. UPON ENCOUNTERING UP TO 2" AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH THE ASPHALTIC PLUG JOINT MATERIAL AS DIRECTED BY THE RESIDENT ENGINEER.
2. REMOVAL OF DETERIORATED CONCRETE WILL NOT BE PAID SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR ITEM 516.10. THE ADDITIONAL PLUG JOINT MATERIAL BELOW THE DESIGN DEPTH TO REPLACE THE DETERIORATED CONCRETE WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10.



**ASPHALTIC PLUG-TYPE JOINT DETAIL
 REMOVAL OF >2"
 DETERIORATED CONCRETE**

NOTES:

1. UPON ENCOUNTERING GREATER THAN 2" AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE.
2. REMOVAL OF THE DETERIORATED CONCRETE WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 580.20 RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE (THE CONTRACTOR SHALL BE AWARE THERE IS A 60 DAY EVALUATION PERIOD TO ACQUIRE APPROVAL FOR THEIR PRODUCT PER THE 780 SPECIFICATION).
3. THE STEEL PLATE IN THE ASPHALTIC PLUG JOINT MAY BE OMITTED ONLY IF THE REPAIRED SURFACE IS SO IRREGULAR IT WILL CAUSE VERTICAL MOVEMENT AND IT IS DIRECTED BY THE RESIDENT ENGINEER.



JOINT DETAIL - CEMENT CONCRETE PAVEMENT AT EXISTING BITUMINOUS CONCRETE PAVEMENT

BURLINGTON CITY NH 2726(I)S & BURLINGTON CITY STP 2727(I)S
 I-189 RAMP "C" STA C40+15.00

WINOOSKI STP 2617(I)S
 BEGIN PROJECT STA. 2+36.07 LT & RT
 STA. 3+92 TO STA. 4+13 LT
 STA. 3+91 TO STA. 4+16 RT
 STA. 4+33 TO 4+58 RT
 WEST CENTER STREET STA. 6+01 TO STA. 6+17 LT
 STA. 7+45 TO STA. 7+66 RT
 WEST ALLEN STREET JOINT
 STA. 8+49 TO STA. 8+65 RT
 BRIDGE #151 SOUTH STA. 10+94 LT & RT
 BRIDGE #151 NORTH STA. 11+52 LT & RT
 MAPLE STREET STA. 13+38 TO STA. 13+81 LT
 END PROEJCT STA. 13+91.49 LT & RT

NOT TO SCALE

**COMPOSITE
 ASPHALTIC
 PLUG JOINT
 DETAIL SHEET**

PROJECT NAME: BURLINGTON CITY/BURLINGTON CITY WINOOSKI	
PROJECT NUMBER: NH 2726(I)S & STP 2727(I)S STP 2617(I)S	
FILE NAME: 07D220.dgn	PLOT DATE: 31-OCT-2011 16:43
PROJECT LEADER: DOMEY	DRAWN BY: PVMT MGMT
DESIGNED BY: PVMT MGMT	CHECKED BY: PVMT MGMT
IPARM FILE: 07D220_04.i	SHEET 4 OF 88