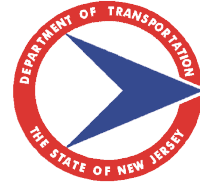


New Jersey Department of Transportation
1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600



Baseline Document Change Announcement

ANNOUNCEMENT: BDC23S-03

DATE: July 20, 2023

SUBJECT: Binder Rich Intermediate Course
- **Revision to the 2019 Standard Specifications for Road and Bridge Construction, Subpart 407.03.01.**

Subpart 407.03.01 of the 2019 Standard Specifications for Road and Bridge Construction has been revised in order to update the specifications for Binder Rich Intermediate Course to resolve the issue of compaction causing asphalt bleeding in the surface.

The following revisions have been incorporated into the 2019 Standard Specifications via 2019 Standard Inputs, SI2019:

407.03.01 BRIC

C. Test Strip.

PART C IS CHANGED TO:

Construct a test strip as specified in 401.03.07.C except for the allowance to continue paving, at least 14 days prior to production of BRIC. Ensure that the test strip is at least 100 tons. The RE will reject the test strip if compaction causes asphalt bleeding in the surface. Submit test strip results to the RE. The RE will analyze the test strip results in conjunction with the ME's results from the HMA plant to approve the test strip. Do not proceed with production paving until receiving written permission from the RE. The Contractor may need to construct multiple test strips in order to produce material that meets both the plant production requirements and the field density requirements as directed by the RE.

E. Spreading and Grading.

PART E IS CHANGED TO:

Do not start paving of the BRIC until the RE has approved the underlying surface. Apply tack coat as specified in 401.03.05. Place BRIC at the laydown temperature recommended by the supplier of the asphalt binder or the supplier of the asphalt modifier without exceeding 330 °F maximum discharge temperature at the HMA plant. Spread and grade BRIC as specified in 401.03.07.E, and according to the approved paving plan and test strip.

F. Compacting.

PART F IS CHANGED TO:

Compact as specified in 401.03.07.F, and according to the approved paving plan and test strip; do not over compact. Operate rollers in static mode if vibratory compaction causes aggregate breakdown, forces liquid asphalt to the surface or creates a surface with undesirable ride quality. Apply fine aggregate as specified in 901.07.02 using a Mechanical Fine Aggregate Spreader as specified in 1012.02 at a rate of 0.5 to 1.0 pounds per square yard uniformly over the entire affected surface before opening to traffic if excessive asphalt bleeding occurs in the surface.

G. Opening to Traffic.

PART G IS CHANGED TO:

Remove loose material from the traveled way, shoulder, and auxiliary lanes before opening to traffic. Do not allow traffic or construction equipment on the BRIC until the surface temperature is less than 120 °F. The RE may reject areas where fine aggregate has been applied that is not sufficiently covered or has excess fine aggregate material and rendered unsatisfactory. Visual inspection by the RE is considered sufficient grounds for such rejection. Do not open to traffic unless approved by the RE. The RE may request a speed limit reduction prior to opening to traffic. Ensure that traffic is not allowed on the BRIC for more than 3 days.

Implementation Code R (ROUTINE)

Changes must be implemented in all applicable Department projects scheduled for Final Design Submission at least one month after the date of the BDC announcement. This will allow designers to make necessary plan, specifications, and estimate/proposal changes without requiring the need for addenda or postponement of advertisement or receipt of bids.

Recommended By:



Paul F. Schneider
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Approved By:



Parth Oza, P.E.
Assistant Commissioner
Capital Program Management
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PS: NE: NJB