

3000804, Application of Tack Coat – Rate of Application
Comments Received from Industry Review

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Comment:

We concur with the proposed application rates included in the specification change. If this change is critical to the performance of asphalt pavement, we would also propose consideration of adding a pay item for Bituminous Material per gallon, as previously included in Section 300. Having specified that tack coat is incidental to other items of work has resulted in the lessening of the importance of tack coat and has created construction problems with shoving, slippage and raveling.

Response from Paul Steinman, State Construction Engineer:

Until we find a way to accurately determine that the contractor is applying the correct rate and that the tack being applied meets spec for % emulsion, I have a difficult time advocating paying for tack as a separate pay item. Currently there is no reliable method at the street level to verify these items.

Patricia Lincoln
Orlando Operations

Comment:

APPLICATION OF TACK COAT – RATE OF APPLICATION (REV 6-1 09)

This sentence should read differently

Determine the rate of application at the beginning of each day's production, and as needed to control the operation, with a minimum of twice per day.

This example: Determine the rate of application a minimum of twice per day, once at the beginning of each day's production, and as needed to control the operation.

Response:

Agreed. Change made.

Howie Moseley
District 2 Bituminous Engineer
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Comments:

Table 300-1: This table proposes a range for newly constructed asphalt layers instead of a target as indicated by the column header. You may want to add a note to this pavement type to clear up any questions.

Response:

Agreed. The table was modified to show a target rate to match the wording in the subarticle.

- 330-8.4: Since the DOT looks to be going to the four standard recycling agents, should RA 500 be changed to RA 550?

Response:

Agreed. Change made.

Joy L. Christiano, P.E.
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Comment:

In reviewing the proposed specification changes I believe there is a loophole in the way it was re-written. The spec states to control the application to within plus/minus 0.01 gal/sy of the target application rate. This works for all of the rows in the table except 'newly constructed asphalt layers' under base structural and dense FC where a range is given in the table of 0.02 minimum and 0.08 maximum. With the verbiage above this means the range is actually 0.01 minimum to 0.09 maximum. I recommend removing this loophole unless the 0.01 to 0.09 is the intent.

Response:

Agreed, there was a conflict. The table was modified to match the wording in the subarticle. The target is 0.02 with a plus/minus of 0.01. This is not a change from the previous specification. The table was added to make it easier to identify the target rate.
