June 6, 2022

MATERIALS BULLETIN NO. 22-03
DCE MEMORANDUM NO. 22-08
(FHWA Approved: June 2, 2022)

TO: DISTRICT CONSTRUCTION ENGINEERS
DISTRICT MATERIALS AND RESEARCH ENGINEERS

FROM: Timothy J. Ruelke, P.E., Director, Office of Materials,
Tim Lattner, P.E., Director, Office of Construction

COPIES: Will Watts, Dan Hurtado, Ananth Prasad (FTBA), Mark Musselman (ACAF),
Mark Clasgens (FHWA)

SUBJECT: INCREASE IN ALLOWABLE RAP IN STRUCTURAL MIXTURES

To help address aggregate supply chain issues, Table 334-3 is modified as follows to allow more RAP in asphalt structural course mixtures containing PG 76-22 asphalt binder.

<table>
<thead>
<tr>
<th>Gradation</th>
<th>Coarse RAP ≤ 40%</th>
<th>Intermediate RAP &gt; 40% to ≤ 50%</th>
<th>Fine RAP &gt; 50%</th>
</tr>
</thead>
<tbody>
<tr>
<td>PG&lt;sub&gt;Ht&lt;/sub&gt; ≥ 100.0°C</td>
<td>Allowable RAP Percentage ≤ 40%</td>
<td>≤ 25%</td>
<td>≤ 25%</td>
</tr>
<tr>
<td>PG&lt;sub&gt;Ht&lt;/sub&gt; ≤ 100.0°C</td>
<td>≤ 45%</td>
<td>≤ 35%</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. RAP aggregate by weight of total aggregate or RAP binder by weight of total binder.
2. RAP gradations based on ignition oven extraction of RAP material in accordance with FM 5-563.
3. PG<sub>Ht</sub>: asphalt binder high temperature continuous performance grade of RAP in accordance with Section 916.

All other materials and testing requirements of Section 334 remain applicable.

This memorandum serves as blanket approval to process a $0.00 contract change to incorporate the above referenced revision and should be attached to the Work Order or Supplemental Agreement.

Should you have any questions, please contact Howie Moseley (352) 955-2905 or Greg Sholar (352) 955-2920.

TR/TL/gs

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