MEMORANDUM
04-03

TO: District Directors
   District Construction Engineers
   Toll Road Operations Engineer
   District Material & Tests Engineers
   District Area Engineers
   Project Engineers/Supervisors

FROM: Dennis A. Kuchler, Chief
       Contracts and Construction Division

RE: QC/QA Failed Materials Policy Revision

The Failed Material Committee has adopted a new policy regarding QC/QA HMA. This memorandum is the Project Engineer/Supervisor's authorization to approve a change order and will be approved if requested. This revised policy affects the way QC/QA HMA with only one, two, or three sublots planned may be accepted. This change is only applicable to QC/QA HMA material placed and sampled in 2004.

The contractor may request and the PE/S will approve a no cost EWA for each QC/QA HMA pay item with 3 sublots or less. The request and approval must be accomplished prior to the start of production of the material for the first time on the contract for the pay item.

Contract items with bid quantities of a Surface mixture less than 1901 MG (1901 Tons) or an Intermediate or Base mixture less than 3101 MG (3101 Tons) may be modified by a EWA to modify Standard Specification Section 401.09 to provide for the sampling and acceptance as follows:

- 3 Sublots - Extra samples will be taken from each subplot to be used as adjudication sample material for cases of an out of tolerance subplot being referred to the FMC. These samples will be at an additional random location within each subplot. The sample lay out will be line A on the below drawing minus the moisture sample. The samples will be labeled as adjudication samples.
In the case where an out of tolerance sublot for low air voids is referred to the FMC, the extra samples taken from the two sublots not referred to the FMC will be used as adjudication sample material for low air voids.

- 1 or 2 Sublots- the material accepted for all Volumetric Properties will be based on a Type “D” QC/QA HMA Certification. Samples will be obtained from the road for each sublot as outlined in the below drawing. Samples from Line A will be used by the contractor as the material to be reflected on the Type D QC/QA HMA Certification. Samples from Line B will be used by the Department as an Evaluation sample. The contractor shall be responsible for determining the in-place density as well.

For Mixture, the Bulk Specific Gravity of Gyratory Pills, Max Specific Gravity, Binder Content, Air Void, and VMA shall be shown on the Type D QC/QA HMA Certification. For Density, the Bulk Specific Gravity of the Roadway Cores and Density shall be shown on the Type D QC/QA HMA Certification.

The contractor shall calculate the pay factors for the sublot. The Type D QC/QA HMA Certification shall be submitted to the DMTE within 5 Work Days from the completion of the sublot. Upon any comparison of the Evaluation sample to the Type D QC/QA HMA Certification the DMTE will forward the Certification to the PE/S. The DMTE has an Excel spreadsheet available for use as a Type D QC/QA HMA Certification.

The description on the Change Order will be:

The revised FMC policy for QC/QA HMA will be applied to the contract. The application will be in accordance with the attached Memorandum 04-03.

To accomplish this change order the following item is required.

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Unit Price</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative Costs</td>
<td>0.0</td>
<td>0.00</td>
<td>LSUM</td>
</tr>
<tr>
<td>Revised FMC Policy for QC/QA HMA</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If you have any questions please contact Dave Andrewski at (317) 610-7251 x 212.
Increasing Station

Backup sample for Gyratory Specimens

Backup sample for MSG and Binder Content

Random Location
MSG and Binder Content Sample

Sample for Gyratory Specimens

2 ft (0.6 m)

Moisture Sample

Line B

Line A

2 ft (0.6 m)

2 ft (0.6 m)

cc: Operations Support