DATE: September 15, 2015

TO: Region Engineers
    Region Associate Construction Engineers
    Region Construction Engineers
    TSC Managers
    TSC Construction Engineers

FROM: Mark A. Van Port Fleet, P.E.
      Chief Operations Officer

      Randel R. Van Portfield, P.E.
      Bureau Director of Field Services

SUBJECT: Bureau of Highway Instructional Memorandum 2015-03

The Construction Field Services (CFS) Division has revised the Materials Quality Assurance Procedures Manual. A brief description of the major revisions is presented below.

Manual Section

3.01 Added the following to the General Certification requirements, “For certification of Qualified Product List (QPL) materials, indicate QPL specification section number as shown in the Materials Source Guide and the product name.” per the change in basis of acceptance of QPL materials.

3.03.06 Removed Steel Beam Guardrail Elements, Steel Posts For Guardrail, Posts and Blocks For Beam Guardrail, and Seed Mixtures from the Schedule 1 Certification Verification list. Removed Portland Cement, Slag Cement, Fly Ash, and Geotextiles from the Schedule 2 Certification Verification list.

3.04 Revised numerous sections of this chapter per the CFS Aggregate Quality Control Unit.

3.05 Revised sections of this chapter per the CFS Hot Mix Asphalt (HMA) Operations Unit.

4.13 Added this new section to include the Optimized Aggregate Gradation procedures in the manual.

5.03 Added the Field Density Testing section (5.03.04) to define qualification criteria of field technicians performing in place density testing.

6.01 Changed the method of documenting and the basis of acceptance of all Qualified Product List materials to a General Certification meeting the requirements of Section 3.01 of this manual.

7.01 See the following table for major revisions made to the Materials Acceptance Requirements Table.
Note: Any material previously accepted by QPL has been revised in the Materials Acceptance Requirements Table to require a General Certification for this update. No instances of this change will be shown below.

### Materials Acceptance Requirements Table Major Revisions

<table>
<thead>
<tr>
<th>Specification Reference</th>
<th>Material Name</th>
<th>Basis of Acceptance</th>
<th>Change Made and Reason for Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>811.03D8</td>
<td>Modified Urethane, Liquid Pavement Marking Materials</td>
<td>Gen Cert</td>
<td>Added this material, must be selected from the published QPL.</td>
</tr>
<tr>
<td>908.06</td>
<td>Alternate, Adjustable Gray Iron Castings for Manholes, Drainage Structures, and Covers</td>
<td>QPL</td>
<td>Deleted this material from table as manufacturer and product listed no longer exist.</td>
</tr>
<tr>
<td>908.14D</td>
<td>Anchor Bolts and Nuts for Other Purposes</td>
<td>Gen Cert</td>
<td>Added this material per MDOT Structural Fabrication Unit.</td>
</tr>
<tr>
<td>909.04D</td>
<td>Precast Concrete Box Sections</td>
<td>Appr. Mfr. &amp; See Remark</td>
<td>Clarified inspection thresholds in remarks column.</td>
</tr>
<tr>
<td>909.04G</td>
<td>Precast Concrete Three-Sided or Arch Culverts</td>
<td>Appr. Mfr. &amp; See Remark</td>
<td>Clarified inspection thresholds in remarks column.</td>
</tr>
<tr>
<td>910.03A</td>
<td>Geotextiles, Blankets/Filter Bags</td>
<td>Test</td>
<td>Changed basis of acceptance of this material per the Geotechnical Services Unit to reflect current practice. Added “Anticipate up to 28 calendar days for the testing of geotextile samples” to remarks column.</td>
</tr>
<tr>
<td>910.03B</td>
<td>Liner for Rip-Rap/Heavy Rip-Rap</td>
<td>Test</td>
<td>Changed basis of acceptance of this material per the Geotechnical Services Unit to reflect current practice. Added “Anticipate up to 28 calendar days for the testing of geotextile samples” to remarks column.</td>
</tr>
<tr>
<td>910.03C</td>
<td>Separator/Stabilization Geotextile</td>
<td>Test</td>
<td>Changed basis of acceptance of this material per the Geotechnical Services Unit to reflect current practice. Added “Anticipate up to 28 calendar days for the testing of geotextile samples” to remarks column.</td>
</tr>
<tr>
<td>912.07B</td>
<td>Treated Wood, Fence Posts, Guide Posts, Guard Posts and Mail Box Posts</td>
<td>VI</td>
<td>Changed basis of acceptance from Appr. Mfr. or Tested Stock to VI per Structural Fabrication Unit. Combined 912.07 and 912.07B in table.</td>
</tr>
<tr>
<td>912.08</td>
<td>Wood Posts and Blocks for Guardrail and Highway Signs (Dimension Sawed)</td>
<td>Appr. Mfr.</td>
<td>Changed basis of acceptance from Appr. Mfr. or Tested Stock to Appr. Mfr. per Structural Fabrication Unit.</td>
</tr>
</tbody>
</table>
Materials Acceptance Requirements Table Special Instructions Revisions:

901 Cement - Removed the special instructions for the certification verification cement, fly ash, and slag cement.

904.03A Asphalt Binder for HMA Mixtures - Clarification was added for the certification of this material per section 3.05.05 of this manual.

909.06 Corrugated Polyethylene Pipe - (Smooth Lined Type S or Corrugated Type C) – Added instructions for the preparation of 30 and 36 inch diameter corrugated polyethylene pipe.

910.03 Geotextile - Removed “Certification Verification” reference to the samples in the instructions due to the basis of acceptance change to “Test” for acceptance. Added “Geotextile samples submitted for testing must be identified with the lot number and or roll number, the name of the manufacturer, and the product or style number”.

917.12 Grass Seed Mixture Sampling Information – Removed these special instructions, sampling and testing now administered via FUSP 12SP816A.

The updated manual is available online at http://www.michigan.gov/mdot/0,4616,7-151-9622_11044_11367-207980--00.html.

Randel R. Van Portfleit, P.E.  
Bureau Director of Field Services

FHWA Approval: 08/24/2015
BOFS:CFS:DW:mn

Index: Procedures Manuals

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