MEMORANDUM

To: All Holders of the Virginia Department of Transportation’s 2008 Road and Bridge Standards

The following is a list of revised standards to the 2008 Road and Bridge Standards that require an insertable sheet to be included in your plan assembly until the next edition of the imperial standards is published. Please add these pages to your copy of the standards. The respective insertable sheet number has been placed with the revised standard. An insertable sheet is available for each of these revised standards. The insertable sheets are available on VDOT’s web site on the FTP server and in Falcon DMS for VDOT personnel. These insertable sheets will be required in plan assemblies for projects advertised June 9, 2009 and later.

<table>
<thead>
<tr>
<th>PAGE</th>
<th>INSERT</th>
<th>STANDARD</th>
<th>REVISION</th>
</tr>
</thead>
<tbody>
<tr>
<td>502.11</td>
<td>IIIS05_01</td>
<td>MB-10A</td>
<td>Removed 45 degree beveled slot design requirement.</td>
</tr>
<tr>
<td>502.13</td>
<td>IIIS05_02</td>
<td>MB-11A</td>
<td>Removed 45 degree beveled slot design requirement.</td>
</tr>
<tr>
<td>502.14</td>
<td>IIIS05_02</td>
<td>MB-11A</td>
<td>Removed 45 degree beveled slot design requirement.</td>
</tr>
<tr>
<td>502.15</td>
<td>IIIS05_03</td>
<td>MB-11A</td>
<td>Removed 45 degree beveled slot design requirement.</td>
</tr>
</tbody>
</table>

If you have any questions or comments regarding this revision to the publication, please contact Chuck Patterson, at (804) 786-1805, of the Standards and Special Design Section.

Sincerely,

Signature on file: January 23, 2009

Mohammad Mirshahi, P.E.
State Location and Design Engineer
**Reinforcing Steel Schedule**

<table>
<thead>
<tr>
<th>MARK</th>
<th>No.</th>
<th>Size</th>
<th>Length</th>
<th>Pin Ø</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB0401</td>
<td>8</td>
<td>4</td>
<td>11'-5&quot;</td>
<td></td>
<td>Temp. Parapet</td>
</tr>
<tr>
<td>TB0502</td>
<td>12</td>
<td>5</td>
<td>4'-3&quot;</td>
<td>2 1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>TB0503</td>
<td>12</td>
<td>5</td>
<td>2'-8&quot;</td>
<td>2 1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>TB0604</td>
<td>8</td>
<td>6</td>
<td>4'-8&quot;</td>
<td>4 1/2&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**Bending Diagram**

Dimensions in bending diagrams are out-to-out of bars, except as shown.

Pounds of reinforcing steel = 202

Reinforcing schedule based on 12'-0" unit length.

**Traffic Barrier Service Concrete Parapet (Single Face)**

*(For temporary installation on bridge deck exterior)*

Virginia Department of Transportation

**Specification Reference**

105
502
NOTES:

1. BARRIER DELINEATOR IS TO BE SPACED IN ACCORDANCE WITH SECTION 702 OF THE ROAD AND BRIDGE SPECIFICATIONS AND THE BARRIER VERTICAL PANELS ARE TO BE SPACED IN ACCORDANCE WITH THE VIRGINIA WORK AREA PROTECTION MANUAL.

2. REFLECTIVE SURFACE IN ALL INSTANCES, ARE TO BE FACING ONCOMING TRAFFIC.

3. COST OF BARRIER DELINEATOR AND BARRIER VERTICAL PANELS ARE TO BE INCLUDED IN PRICE BD PER LINEAR FOOT OF BARRIER SERVICE.

4. ANCHOR BOLTS SHALL BE INSTALLED ON TRAFFIC SIDE.

5. CONCRETE 4000 PSI. (MIN.)

6. WELDED WIRE FABRIC MAY BE ONE SHEET BENT TO FIT CONFIGURATION OR TWO SEPARATE SHEETS, ONE ON EACH FACE.


8. FOR POSITIVE CONNECTION DETAILS AND DIMENSIONS SEE STANDARD MB-INS.

SECTION B-B
(ANCHOR BOLT)
BOLT DOWN SIDE ADJACENT TO TRAFFIC

ALL ENDS OPTIONAL CHAMFER (1/2" X 1/2")

*4 BARS TO SURROUND 1/2" Ø HOLE OR SLOT
LAP *4 BARS

TOP OF DECK

SECTION

2" x 2'-7' NOMINAL DRAINAGE SLOT

BENDING DIAGRAM

<table>
<thead>
<tr>
<th>4 1/8&quot;</th>
<th>4 1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 1/2&quot;</td>
<td>3 1/2&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4 1/8&quot; LENGTH</th>
<th>3 1/2&quot; LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 1/2&quot; PIN Ø</td>
<td>4 1/2&quot; PIN Ø</td>
</tr>
</tbody>
</table>

DIMENSIONS IN BENDING DIAGRAMS ARE OUT-TO-OUT OF BARS.

TRAFFIC BARRIER SERVICE CONCRETE PARAPET
(DOUBLE FACE)

(FOR TEMPORARY INSTALLATION ON BRIDGE DECK EXTERIOR)

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE

105
512

ROAD AND BRIDGE STANDARDS

REVISION DATE
01/09

SHEET 2 OF 3

502.14
TRAFFIC BARRIER SERVICE CONCRETE PARAPET
(DOUBLE FACE)
(FOR TEMPORARY INSTALLATION ON ROADWAYS)

NOTES:
1. STAKING OF STANDARD MB-11A TO ASPHALT CONCRETE PAVEMENT, COMPACTED BASE MATERIAL, CONCRETE PAVEMENT, OR ASPHALT OVER CONCRETE PAVEMENT IS REQUIRED WHEN TRAFFIC BARRIER SERVICE CONCRETE IS PLACED WITHIN THE TWO (2) FOOT OFFSET OF A TRENCHING OPERATION (4' OR GREATER IN DEPTH) OR WHEN DETERMINED BY THE ENGINEER.

2. 2'' MIN. FOR ASPHALT CONCRETE.
6'' MIN. FOR COMPACTED BASE MATERIAL.

3. DRIVE STAKE HEAD BELOW FACE OF BARRIER TO PREVENT SNAGGING.

4. CONTRACTOR TO VERIFY PAVEMENT STRUCTURE PRIOR TO PLACING STAKES.