# West Virginia Department of Transportation 

 Division of HighwaysMaterials Control, Soils and Testing Division
Materials Procedure

Procedure for Determining the Torque On Tamper Resistant Hardware
1.0
1.1
2.0
2.1 The procedure is applicable for tamper resistant hardware furnished under Section 661.2.2 of the West Virginia Division of Highways Standard Specifications for Roads and Bridges.

## 3.0

3.1
4.1 Samples are to be selected in accordance with Section 4.6 of MP 661.02.40.

## 5.0

5.1 Place the shim on the flange side of the u-channel post.
5.2 Place the plate on top of the shim and line up the holes.
5.3 Place the steel washer, then the nylon on the bolt and push through the plate, shim and back of the u-channel.
5.4 Hand tighten the nut on to the bolt until it touches the back of the uchannel.
5.6 Using the torque wrench, slowly turn the nut until the hex shaped drive head separates from it. Hold the bolt head with the screwdriver to prevent any movement during the torquing operation.
5.7 Read the torque wrench to determine the breaking point. Results are to be reported in foot-pounds.


