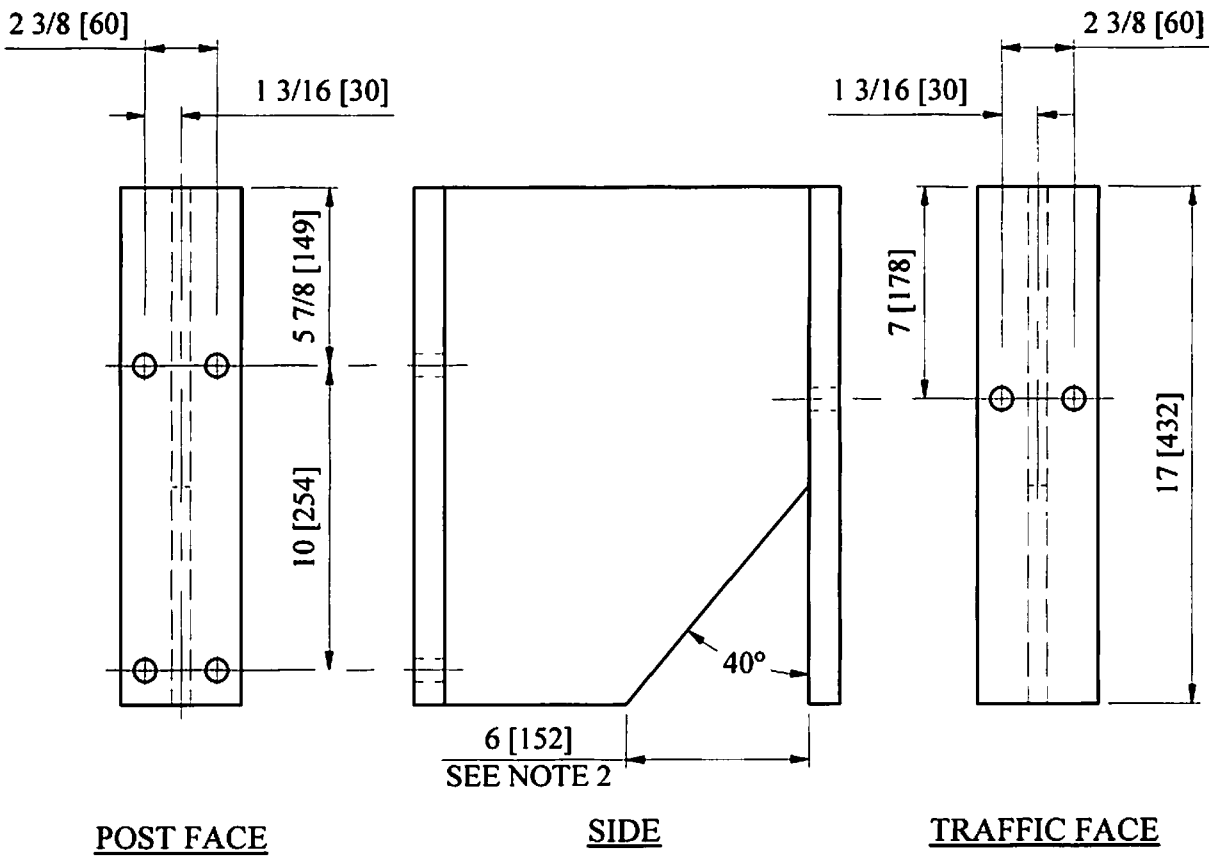
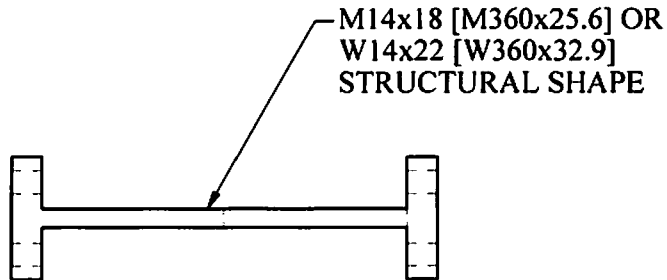


**NOTES:**

1. ALL HOLES ARE  $\text{Ø}3/4$  [20].
2. TRIANGULAR CUTOUT MAY BE FLUSH AS SHOWN OR OFFSET UP TO  $1\ 1/4$  [32] AWAY FROM OUTSIDE SURFACE OF FLANGE AND INCLUDE UP TO A  $1/4$  [6] RADIUS AT UPPER INTERSECTION.



2014

**MODIFIED THRIE BEAM BLOCKOUT**

**PWB03**

SHEET NO.

DATE

1 of 2

3/13/2014

### SPECIFICATIONS

Modified Thrie-Beam guardrail blockouts shall be manufactured using AASHTO M 270 / M 270M (ASTM A 709 / A 709M) Grade 36[250] steel, unless corrosion-resistant steel is required, in which case the blockout shall be manufactured from AASHTO M 270 / M 270M (ASTM A 709 / A09M) Grade 50W [345W] steel. The dimensions of the structural shapes, M14x18 [M360x25.6] and W6x9 [W150x13.5], are defined in AASHTO M 160 / M 160M (ASTM A 6 / A 6M).

After the section is cut and all holes are drilled or punched, the component should be zinc-coated according to AASHTO M 111 (ASTM A 123) unless corrosion-resistant steel is used, in which case it should not be zinc-coated, painted or otherwise treated.

Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its' appearance and accepted manufacturing practices.

### INTENDED USE

This blockout is used in the SGR09b and SGM09b strong-post modified Thrie-Beam guardrail and median barrier. Each blockout is attached to PWE04 posts with at least two 1.5-inch [40 MM] long zinc-coated FBX16a bolts and nuts. The Thrie-Beam is attached to the blockout using an FBB02 guardrail bolt and nut.

### APPROVALS

Strong-Post Modified Thrie-Beam Guardrail and Median Barrier (SGR09b and SGM09b)

FHWA Eligibility letters [HMHS-B64](#), February 14, 2000  
[HSST/B-248](#), March, 2014

### REFERENCES

H.E. Ross Jr., D.L. Sicking, R.A. Zimmer and J.D. Michie, Recommended Procedure for the Safety Performance Evaluation of Highway Features, National Cooperative Highway Research Program (NCHRP) Report Number 350, Transportation Research Board, Washington, D.C. 1993.

### CONTACT INFORMATION

FHWA Office of Safety  
1200 New Jersey Avenue, SE  
Washington, D.C. 20590  
<http://www.fhwa.dot.gov/>

## MODIFIED THRIE BEAM BLOCKOUT

**PWB03**

SHEET NO.

DATE

2 of 2

3/13/2014