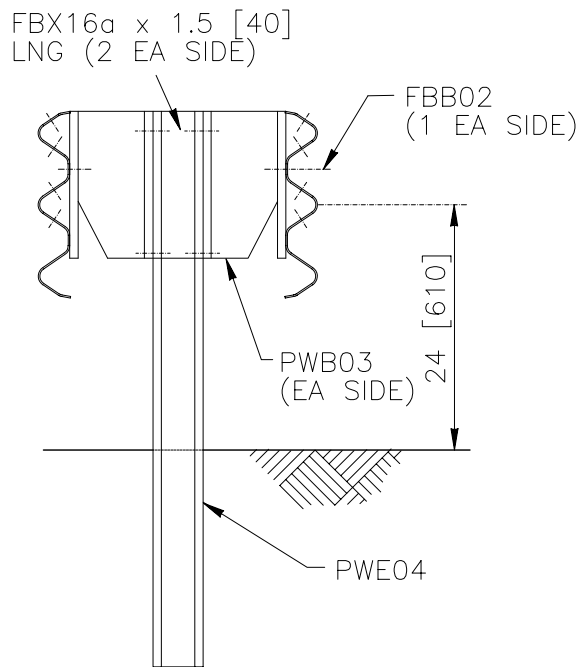


ELEVATION



1994

MODIFIED THRIE-BEAM MEDIAN BARRIER

SGM09c

SHEET NO.

DATE:

1 of 4

10/12/05

### INTENDED USE

Modified thrie-beam median barriers should be used in locations where a maximum dynamic deflection of 20 inches [500 mm] is acceptable. Thrie-beam barriers can be more effective than W-beam barriers in collisions with larger vehicles. This barrier system must be properly anchored and terminated. Any common W-beam terminal can be used in conjunction with an STG01 W-beam-to-thrie-beam transition to provide a crashworthy terminal and anchorage.

SGM-09c is a Test Level 4 barrier.

### COMPONENTS

Unit length = 150 inches [3810 mm]

| Designator | Component                                       | Number |
|------------|---|--------|
| FBB01      | Splice bolt and nut                             | 16     |
| FBB02      | Rail-blockout bolt and nut                      | 4      |
| FBX16a     | Post-blockout blot (1.5 inches [40 mm]) and nut | 8      |
| PWB03      | Modified thrie blockout                         | 4      |
| PWE03      | Steel guardrail post                            | 2      |
| RTB01a     | Thrie-beam backup plate                         | 2      |
| RTM02a     | Thrie-beam rail                                 | 2      |

### APPROVALS

FHWA Acceptance Letter [B-64](#), 2/14/00.

### REFERENCES

D.L. Ivey, R.R. Robertson and C.E. Buth, *Test and Evaluation of W-Beam and Thrie-Beam Guardrails*, Federal Highway Administration, FHWA-RD-82-071, Washington, D.C., 1986.

C.E. Buth, W.L. Campise, L.I. Griffin, M.L. Love, and D.L. Sicking, *Performance Limits of Longitudinal Barriers*, Federal Highway Administration, Report No. FHWA-RD-86-153 (vol. 1), Washington, D.C., May 1986.

M.E. Bronstad, J.D. Michie, J.D. Viner, and W.E. Behm, *Crash Test Evaluation of the Thrie Beam Traffic Barrier*, Highway Research Record, Highway Research Board, 1974.

### CONTACT INFORMATION

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## MODIFIED THRIE-BEAM MEDIAN BARRIER

# SGM09c

SHEET NO.

DATE

2 of 4

10/13/2005

MODIFIED THRIE-BEAM MEDIAN BARRIER

SGM09c

SHEET NO.

DATE:

3 of 4

10/12/2005



**MODIFIED THRIE-BEAM MEDIAN BARRIER**

**SGM09c**

|               |            |  |
|---------------|------------|--|
| <b>SGM09c</b> |            |  |
| SHEET NO.     | DATE       |  |
| 4 of 4        | 10/13/2005 |  |