

## **INTENDED USE**

The Median Steel-Backed Timber Guardrail to Stone-faced Median Barrier Transition serves as a transition between the "The Steel-Backed Timber Guardrail" and "The George Washington Memorial Parkway (GWMP) Masonry Stone-faced Barrier." The transition was designed to blend and preserve the aesthetics of both barriers. The design provides a safe and robust transition by preventing wheel snagging with the rigid wall end. It has been successfully crash-tested in accordance with MASH 2016, Test Level 3 (TL-3) for transitions between longitudinal barriers at the FHWA Federal Outdoor Impact Laboratory (FOIL) (Test 23002). The design ensures that the transition is visually appealing while providing a secure and reliable solution to protect motorists

# **MATERIALS and CONSTRUCTION NOTES**

- 1. Use weathering steel for all structural steel and fastener hardware as specified.
- 2. Pre-drill 0.75" [19mm] holes in blockouts, rails, and posts for 5/8" [16mm] carriage bolts.
- 3. Concrete Strength  $F'_c = 4500 \text{ psi} [31.0 \text{ MPa}] @ 28 \text{ days (min)}.$
- 4. Reinforcing Steel ASTM A615,  $f_y = 60$  ksi [414 MPa] (min).
- 5. Drawings not to scale. All dimensions are in inches ("), and [millimeters].

# ELIGIBILITY

Federal Highway Administration (FHWA) Eligibility has not been pursued.

## REFERENCES

<Project Report citation>

## **CONTACT INFORMATION**

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