Note to Designer:
The information presented in this Standard Detail has been prepared in accordance with recognized competent professional examination and verification of its suitability and applicability by a licensed professional engineer.

**GENERAL NOTES:**
Thrie Beam Transition Hardware provided is per AA540-ACC-ARTBA Joint Committee Task Force 13 Report.

Structural steel shall conform to ASTM Specification A36 unless noted otherwise.

Anchor plates, terminal connectors and thrie beams shall be galvanized after fabrication in accordance with ASTM A123 unless noted otherwise. All bolts, nuts and washers shall be galvanized in accordance with the requirements of ASTM A153.

At the connector option, stainless steel bolts and nuts may be used. They shall conform to or exceed the mechanical requirements of ASTM A490.

Provide additional washers, as needed, for longer bolt lengths.

Overlap of the terminal connector, thrie beam, transition and guardrail shall be in the direction of the adjacent traffic lane.

Dimensions shall not be scaled from drawings.

Item No. 9050430 THRIE BEAM GUARD RAIL TRANSITION SYSTEM
Measure: Each

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Thrie Beam Guard Rail Transition System

**PLAN**

- 6 1/8" x 11/16" bolts for F-shape barrier transition.

**SIDE VIEW**

- 3 1/2" post bolt slot (Typ.)

**THRIE BEAM TERMINAL CONNECTOR**

- 10" x 10" Wood Post
- 8" x 8" Wood Block (Typ.)
- 8" x 6" Wood Post

**THRIE BEAM ELEVATION**

- Two sections of thrie beam nested.

**PART PLAN**

- Optional Curb

**SECTION A-A**

- 5/16" UNC x 20" Button Head Bolt and Recess Nut with Plain Round Washer under Nut (Typ.)

**SECTION B-B**

- 5/16" UNC x 18" Button Head Bolt and Recess Nut with Plain Round Washer under Nut (Typ.)

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**FOOTNOTES:**

1. For 34" F-Shape Barrier.
2. For 44" F-Shape Barrier.

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**DRAWING栰**

ARIZONA DEPARTMENT OF TRANSPORTATION BRIDGE GROUP STRUCTURE DETAIL

**SPECIFICATION:**

- 5D 303
- 06-08-15
- 0001

**DRAWN BY:**

Shafiee S. Hoesan

**CHECKED BY:**

Tom A. Nanda