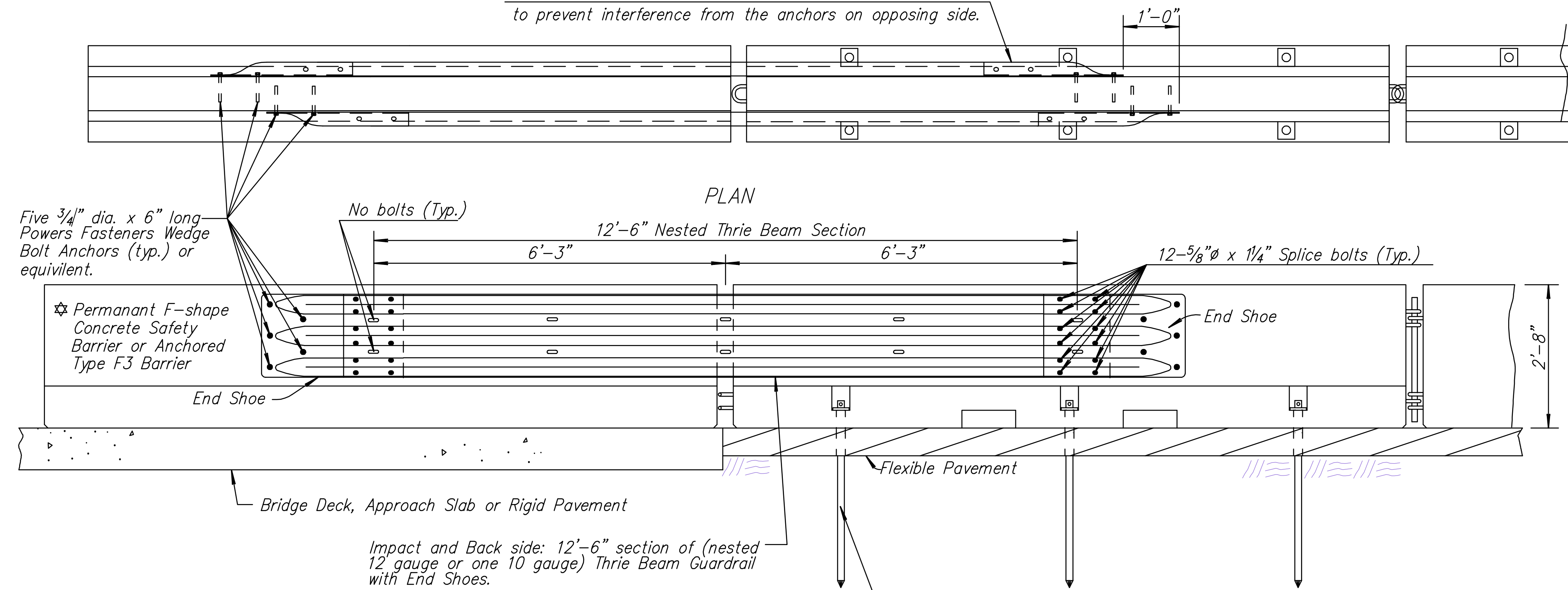


| | | | | |
|--------|--------------|------|-----------|--------------|
| STATE | PROJECT NO. | YEAR | SHEET NO. | TOTAL SHEETS |
| KANSAS | 87 N-0519-01 | 2012 | 167 | 212 |

Thrie beam piece on non-impact side is offset 1' downstream to prevent interference from the anchors on opposing side.



Five 3/4" dia. x 6" long Powers Fasteners Wedge Bolt Anchors (typ.) or equivalent.

No bolts (Typ.)

PLAN

12'-6" Nested Thrie Beam Section

6'-3"

6'-3"

12-5/8" ϕ x 1/4" Splice bolts (Typ.)

End Shoe

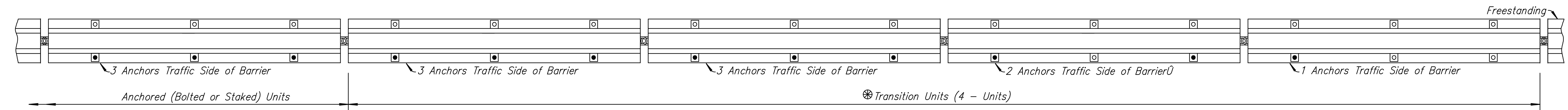
End Shoe

Bridge Deck, Approach Slab or Rigid Pavement

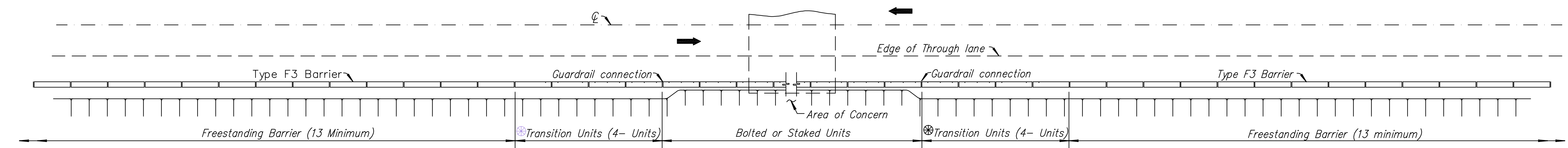
Impact and Back side: 12'-6" section of (nested 12 gauge or one 10 gauge) Thrie Beam Guardrail with End Shoes.

ELEVATION

★ GUARDRAIL CONNECTION
ANCHORED/RIGID BARRIER TO FREESTANDING BARRIER



PLAN (Transition Units)



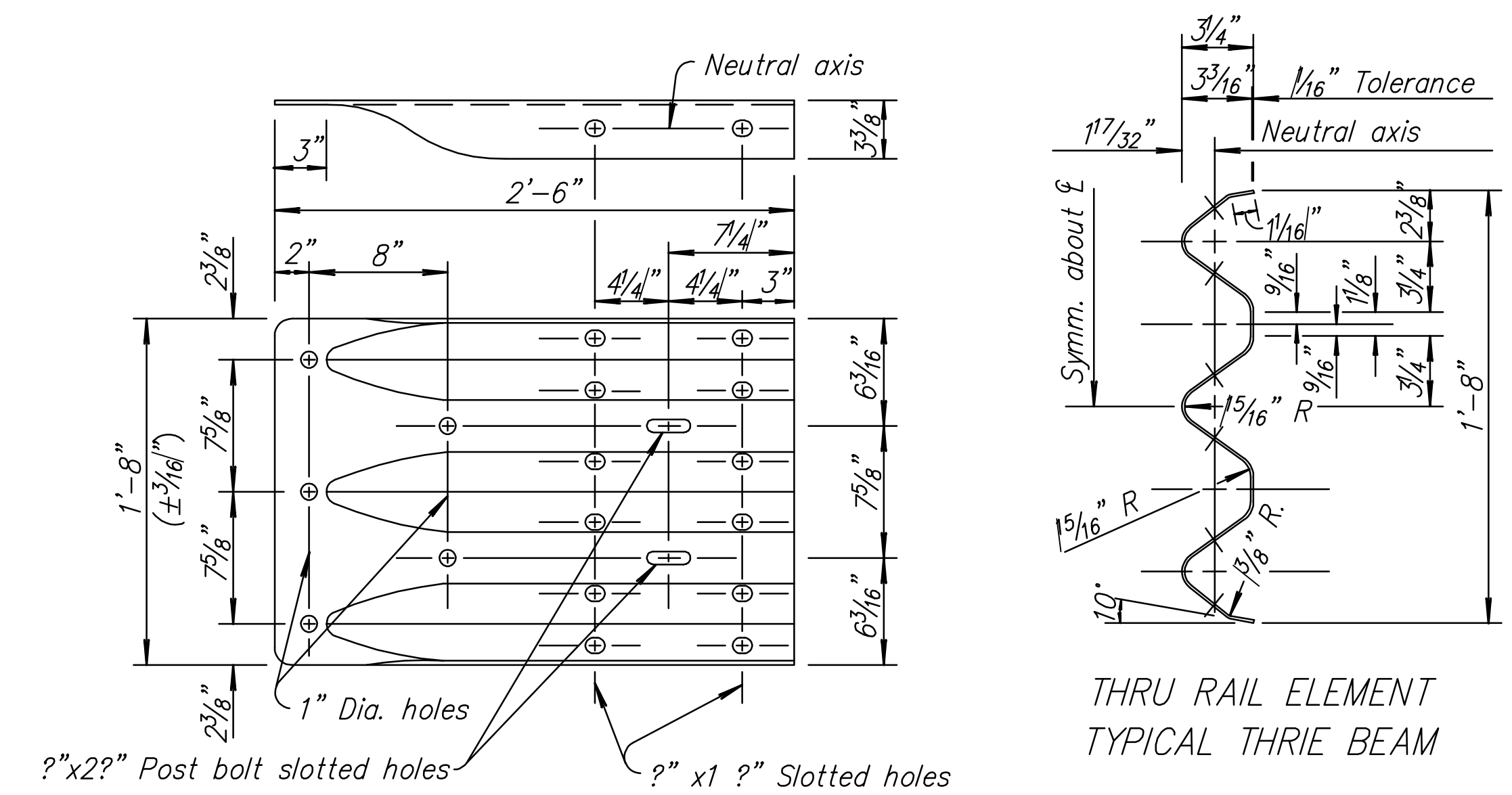
★ APPROACH TRANSITION FROM FREESTANDING TO ANCHORED (BOLTED OR STAKED) TYPE F-3 CONCRETE BARRIER

★ TYPICAL INSTALLATIONS

- 1) Type F3 barrier anchored to rigid pavement with bolted connection or bolted to a bridge deck.
-the transition between this anchored barrier and the freestanding needs the transition barriers plus guardrail as shown above.
- 2) Permanent F-shape barrier
-the transition between this permanent barrier and the freestanding Type F3 needs the transition barriers plus guardrail as shown above.
- 3) Type F3 barrier anchored with straps on rigid pavement or a bridge deck
-the transition between this anchored barrier and the freestanding needs NO transition barriers or NO guardrail.
- 4) Type F3 barrier pinned/staked to asphalt pavement
-the transition between this anchored barrier and the freestanding needs the transition barriers but NO guardrail.

GENERAL NOTES:

The work and materials required for the installation & removal of the guardrail connection and barrier anchors as shown on this sheet shall be subsidiary to the "Concrete Safety Barrier" bid item.



TERMINAL CONNECTOR

THRU RAIL ELEMENT
TYPICAL THRIE BEAM

| | | | | | |
|-----|---------|---------------------------------------|--------|--------|--|
| 3 | | | | | |
| 2 | | | | | |
| 1 | 1-30-07 | Rem. temp. details from perm. barrier | S.W.K. | J.O.B. | |
| NO. | DATE | REVISIONS | BY | APP'D | |

KANSAS DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE SAFETY BARRIER TYPE F3 TRANSITION LAYOUTS

RD622D

| | | | |
|---------------|------------|------------------------|----------------|
| FHWA APPROVAL | 01-19-07 | APP'D. James O. Brewer | |
| DESIGNED | DETAILED | QUANTITIES | TRACED Bowser |
| DESIGN CK. | DETAIL CK. | QUAN. CK. | TRACE CK. King |

