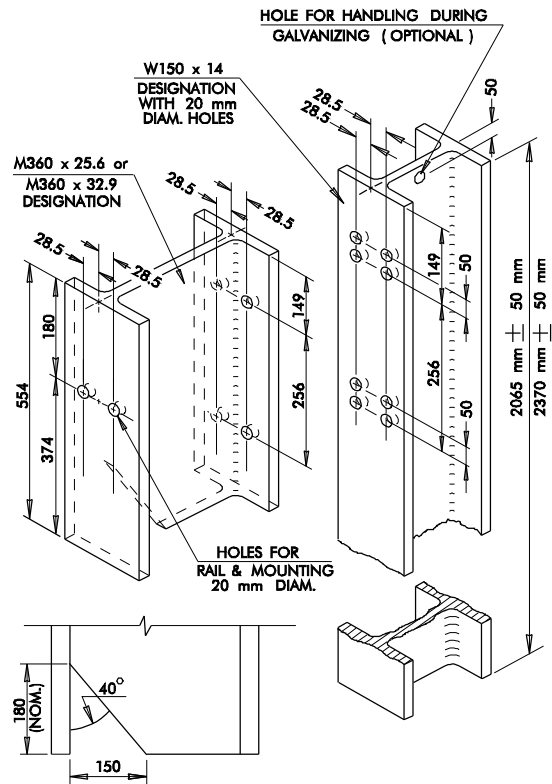
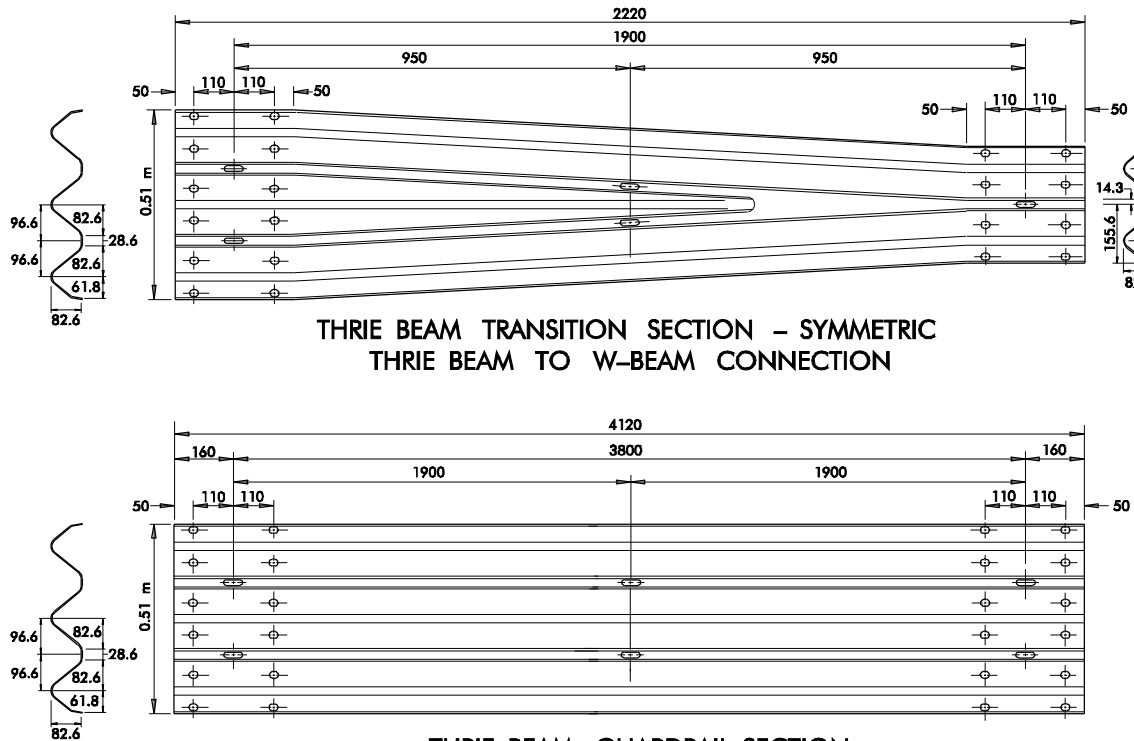


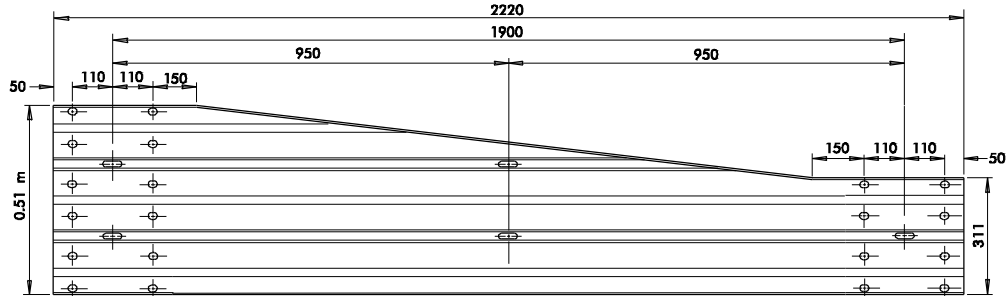
| DESCRIPTION | REVISIONS | DATE |
|--|-----------|------|
| RE-ISSUE W/METRIC 1999 SPECS. | | |
| Blockout/Post & Thrie Tran, Unit Detail lgc 7/99 | | |
| Add Gauge Spec. In Elevation View lgc 11/02 | | |
| Add Gen. Note 5 7/8, End Shoe Dim. lgc 6/03 | | |



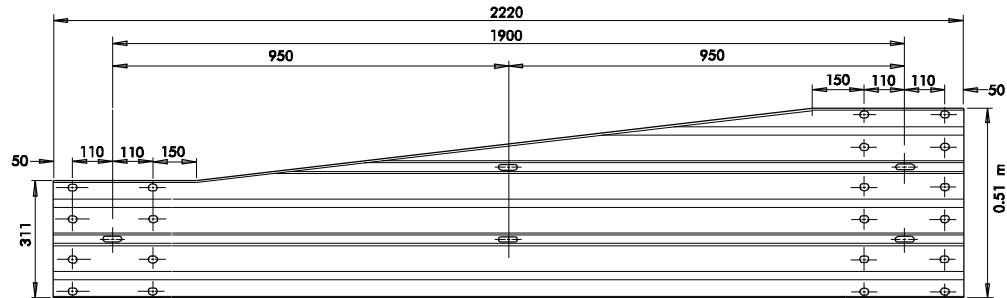
THRIE BEAM TRANSITION UNIT
BLOCKOUT AND POST



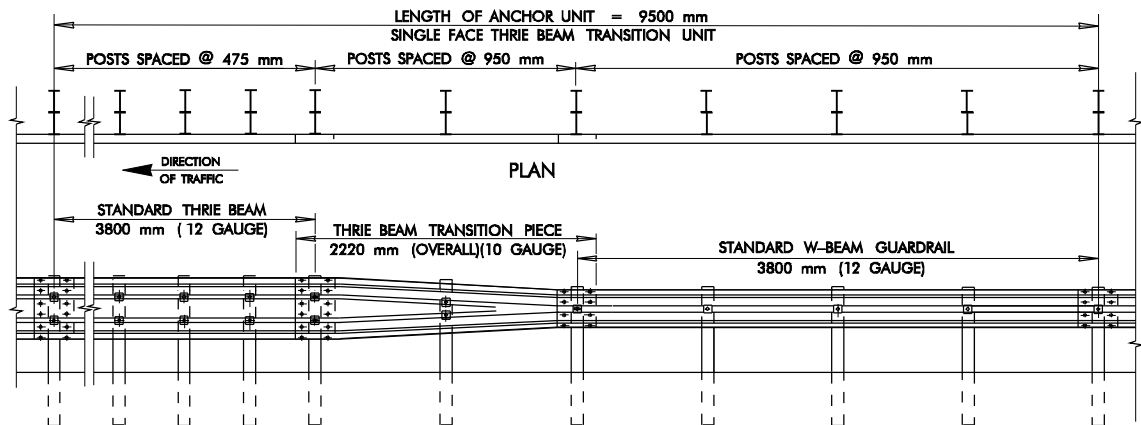
THRIE BEAM TRANSITION SECTION - SYMMETRIC
THRIE BEAM TO W-BEAM CONNECTION



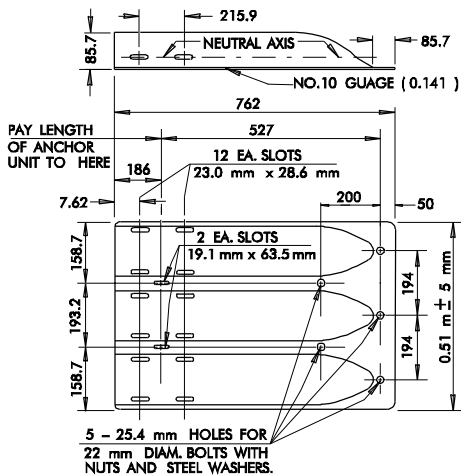
THRIE BEAM TRANSITION SECTION - RIGHT
THRIE BEAM TO W-BEAM CONNECTION



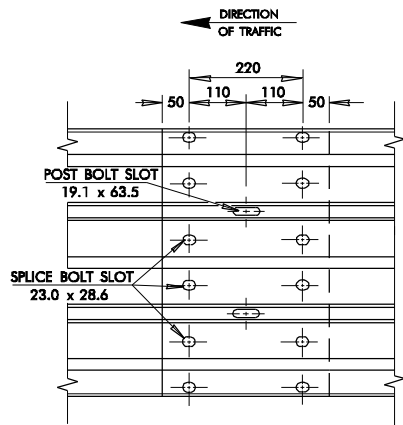
THRIE BEAM TRANSITION SECTION - LEFT
THRIE BEAM TO W-BEAM CONNECTION



ELEVATION
THRIE BEAM TRANSITION UNIT



THRIE BEAM
SPECIAL END SHOE
TERMINAL CONNECTION



THRIE BEAM
BEAM SPLICE

GENERAL NOTES

- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 1999 METRIC STANDARD SPECIFICATIONS.
- ALL GUARDRAIL, METAL POSTS, PLATES AND HARDWARE SHALL BE GALVANIZED AFTER FABRICATION.
- ANY FIELD CUTS OR HOLES DRILLED IN GALVANIZED MATERIALS SHALL BE COATED WITH A ZINC OXIDE PAINT. (SEE 1999 METRIC STANDARD SPECIFICATIONS, SECTION 730.06)
- MAXIMUM POST SPACING FOR THE TRANSITION UNIT SHALL BE 950 mm. SEE LIMITS OF THRIE BEAM CONSTRUCTION.
- GUARDRAIL LAPS SHALL BE TOWARD THE BRIDGE ON BOTH SIDES OF THE APPROACH ROADWAY AND SHALL LAP IN THE DIRECTION WITH TRAFFIC ACROSS THE BRIDGE.
- SEE 1999 METRIC ROADWAY STANDARD GRH-3 (LATEST REVISION) AND AASHTO M 180-97 FOR ADDITIONAL DETAILS.
- THIS STANDARD ONLY APPLIES WHEN THRIE BEAM GUARDRAIL TRANSITIONS TO AND/OR FROM W-BEAM GUARDRAIL.
- ALTERNATE POSTS AND/OR BLOCKOUTS MAY BE SUBSTITUTED IF THEY COMPLY WITH NCHRP 350, TEST LEVEL 3 AND APPROVED BY THE ENGINEER.

BASIS OF PAYMENT

| ITEM NO. | ITEM | UNIT |
|------------|----------------------------|------|
| 623.06(E) | THRIE BEAM TRANSITION UNIT | EACH |

▲ INCLUDES THRIE BEAM RAIL, TRANSITION SECTION(S), POSTS AND HARDWARE, AS SHOWN ON DETAILS.

APPROVED BY ROADWAY ENGINEER DATE

OKLAHOMA DEPT. OF TRANSPORTATION
ROADWAY STANDARD (METRIC)

THRIE BEAM
TRANSITION UNIT

1999 SPECIFICATIONS

TBTU-2

02M

ALL DIMENSIONS ON THIS SHEET IN MILLIMETERS UNLESS OTHERWISE NOTED.

R-139M