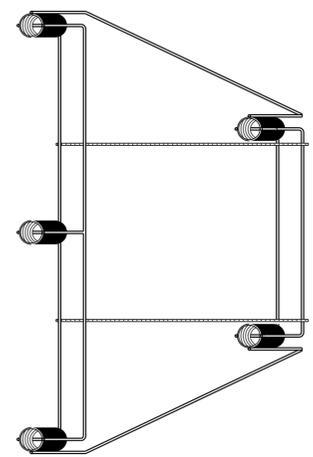
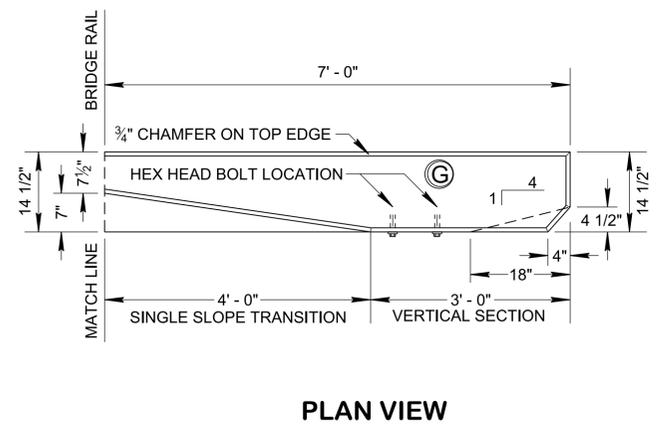
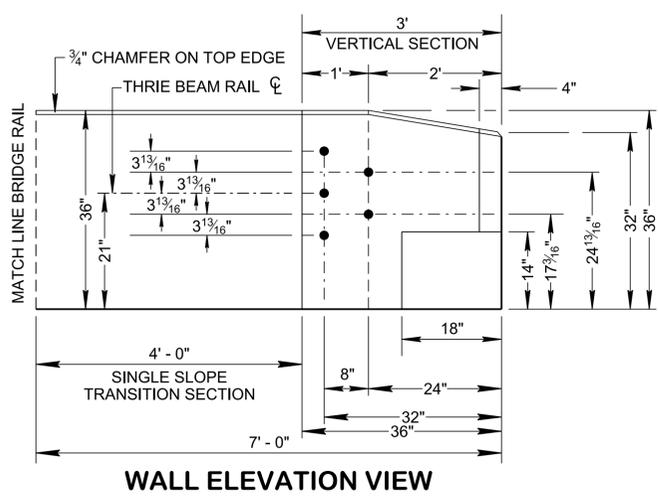
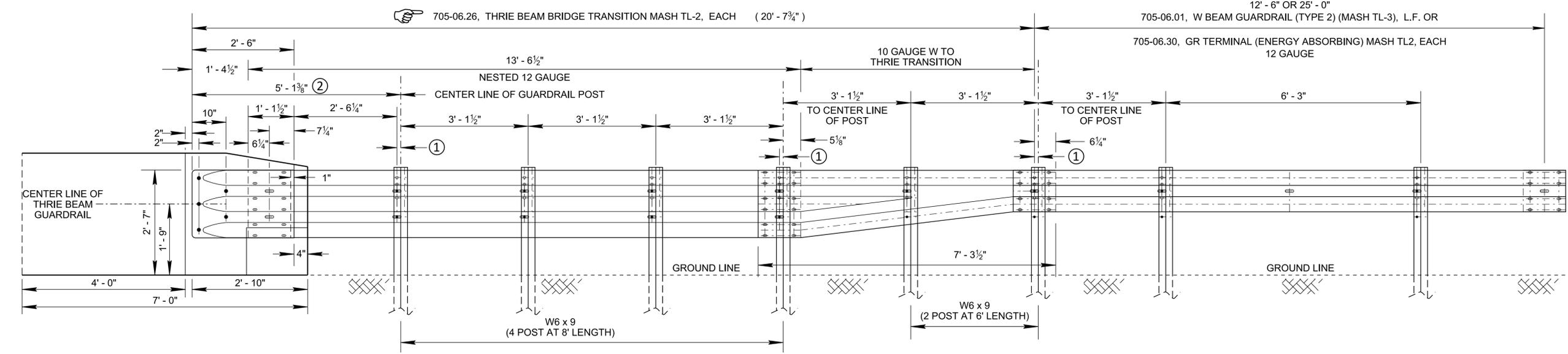
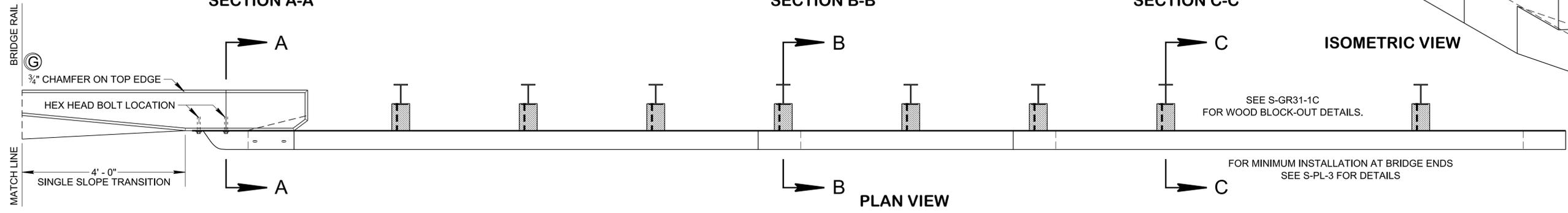
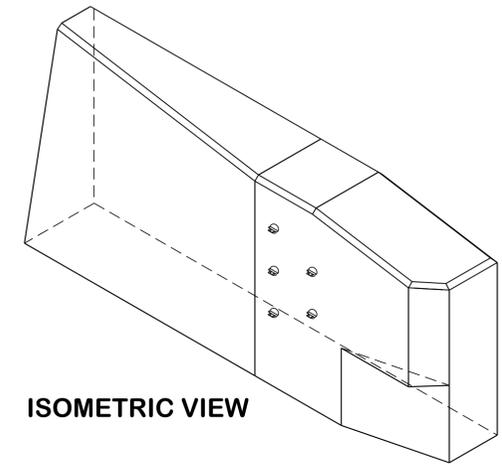
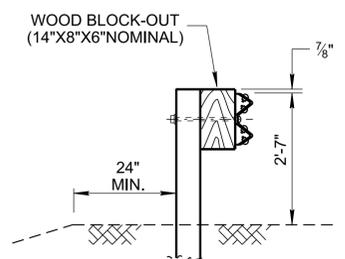
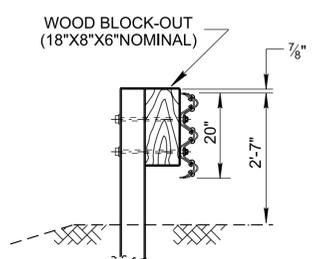


- LEGEND**
- ① 1 1/8" POST OFFSET TO BOLT HOLE (TYPICAL)
 - ② FOR THE APPROACHING OPPOSITE SIDE OF THE ROADWAY THE DISTANCE IS 4' - 11 1/8" DUE TO POST BEING REVERSED AND BOLT HOLE OFFSET IS 2 1/4".



- GENERAL NOTES**
- (A) THIS DRAWING IS TO BE USED AT ALL GUARDRAIL LEADING AND TRAILING TRANSITIONS TO BRIDGE RAIL WITH DESIGN SPEED OF ≤ 45 M.P.H. (IF WARRANTED TO BE WITHIN THE CLEAR ZONE).
 - (B) CONNECTION TO BRIDGE RAIL SHOWN; FOR CONNECTION TO CONCRETE MEDIAN BARRIER WALLS, SEE S-SSMB-6.
 - (C) SEE STANDARD DRAWINGS STD-1 SERIES FOR BRIDGE RAILING DETAILS, S-GR31-1 SERIES FOR ALL OTHER GUARDRAIL DETAILS AND MATERIAL PROPERTIES NOT SHOWN AND S-PL-3 FOR MINIMUM LENGTH AND DELINEATOR REQUIREMENTS.
 - (D) ALL COMPONENTS AS SHOWN ON THIS DRAWING OR ANY COMPONENTS NEEDED TO INSTALL THIS GUARDRAIL SHALL BE INCLUDED UNDER PAY ITEM 705-06.30, THRIE BEAM BRIDGE TRANSITION MASH TL-2, PER EACH.
 - (E) BUTTON HEAD "POST" BOLTS (ASTM A307) SHALL BE OF SUFFICIENT LENGTH TO EXTEND THROUGH THE FULL THICKNESS OF THE NUT (ASTM A563) AND WASHER AND NOT MORE THAN 1" BEYOND IT. BUTTON HEAD "SPLICE" BOLTS (ASTM 307) 5/8" DIA. X 2" (AT TRIPLE RAIL SPLICES) WITH 5/8" DOUBLE RECESSED NUTS.
 - (F) GALVANIZED WASHERS USED WITH THE 5/8" DIA. POST BOLTS SHALL BE TYPE A 1-3/4" O. D. WASHERS. THE (12) PLATE WASHERS (FWR03) REQUIRED AT THE TERMINAL CONNECTOR SPLICE.
 - (G) TO CONNECT THE THRIE BEAM GUARDRAIL AND THE TERMINAL CONNECTION TO THE BRIDGE RAIL WILL REQUIRE 5 HEX HEAD BOLTS AT 7/8" Ø X 2", WASHERS AND NUTS.
 - (H) SAFETY PERFORMANCE OF THIS DEVICE HAS BEEN EVALUATED PER TRB 2672(39) 41-51 DEVELOPMENT OF A STANDARDIZED BUTTRESS FOR APPROACH GUARDRAIL TRANSITIONS AND TTI REPORT 9-1002-8, FOR MASH TL-2.

APPROVED BY FHWA
(ALL OTHERS APPROVED BY TDOT)

STATE OF TENNESSEE
STANDARD DRAWING
DEPARTMENT OF TRANSPORTATION

GUARDRAIL CONNECTION TO BRIDGE ENDS FOR LOW SPEED ROADWAYS

2/19/2020 8:50:19 AM P:\StandDraw\DESIGN STANDARDS\Standards Drawings\Standard Roadway Drawings - CURRENT\In Progress\10-106.00 Safety Design and Guardrails IP\106.05 Guardrail Connections IP\SIGR6-20200202

CONCRETE BRIDGE PARAPET WALL DETAILS