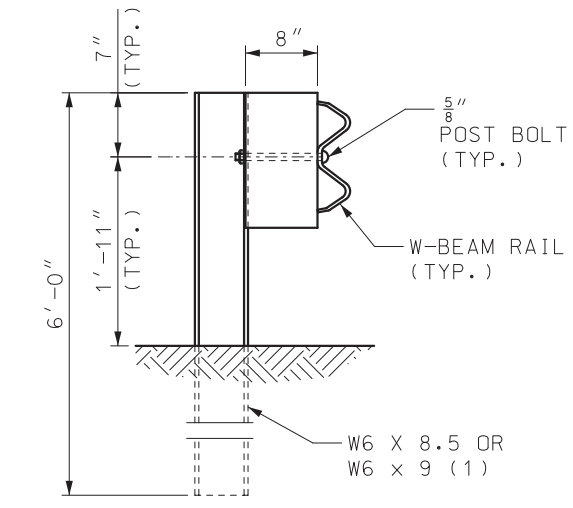
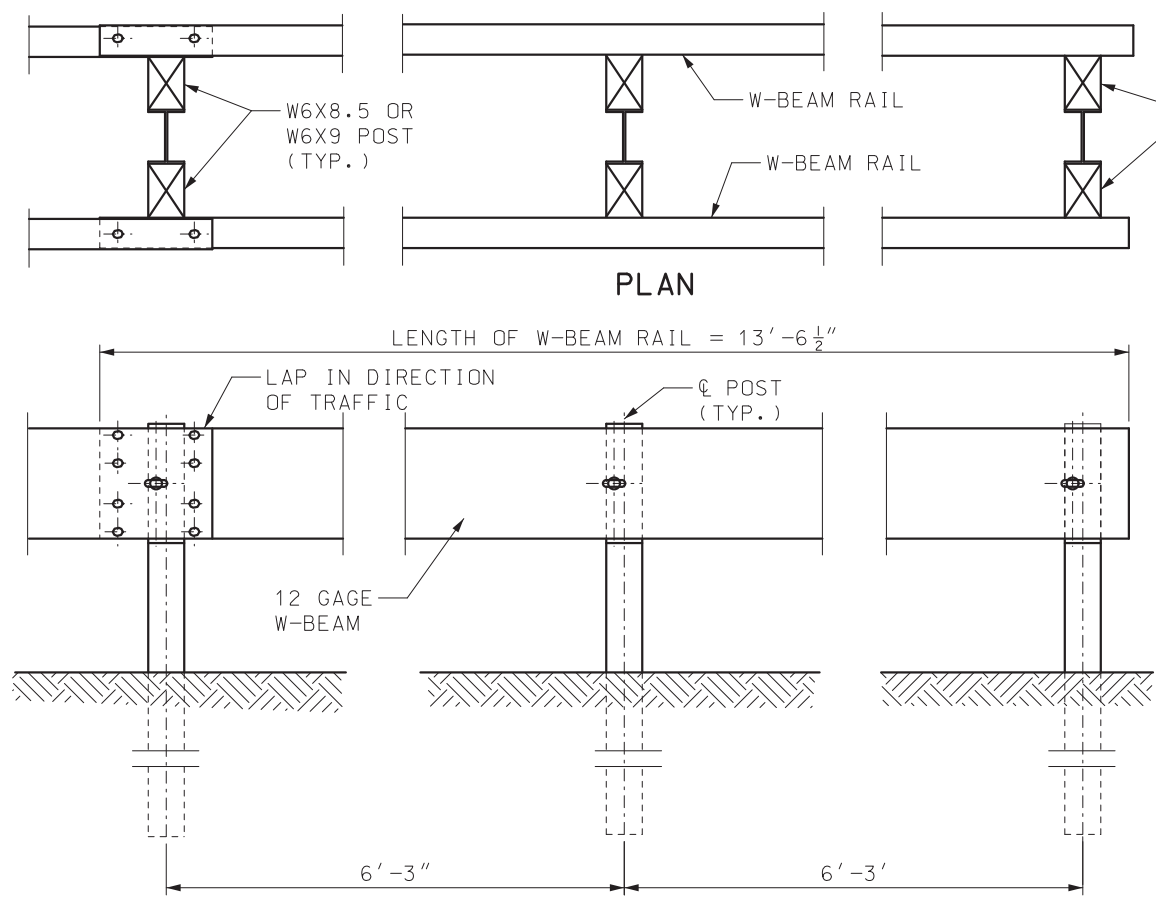


ELEVATION

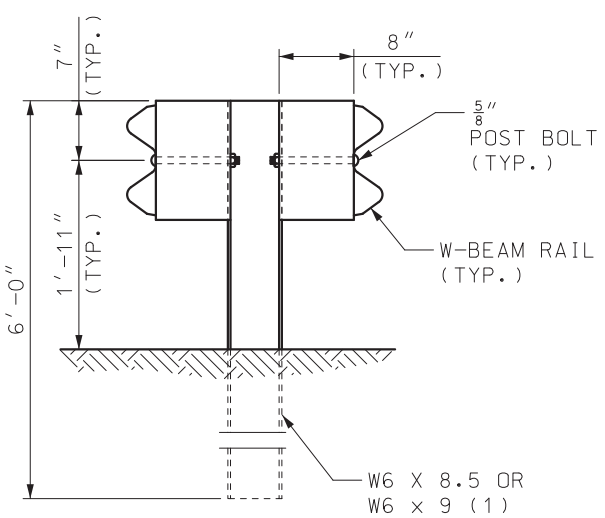


STEEL POST & WOOD OR PLASTIC BLOCK

TYPE A GUARDRAIL



ELEVATION



STEEL POST & WOOD OR PLASTIC BLOCKS

TYPE B GUARDRAIL

(1) THE CONTRACTOR MAY FURNISH EQUIVALENT SECTIONS FABRICATED FROM MATERIAL MEETING AND IN ACCORDANCE WITH SECTION 1040.

GENERAL NOTES:  
SEE SHEET NO. 5 OF 7 FOR POST AND BLOCK DETAILS.

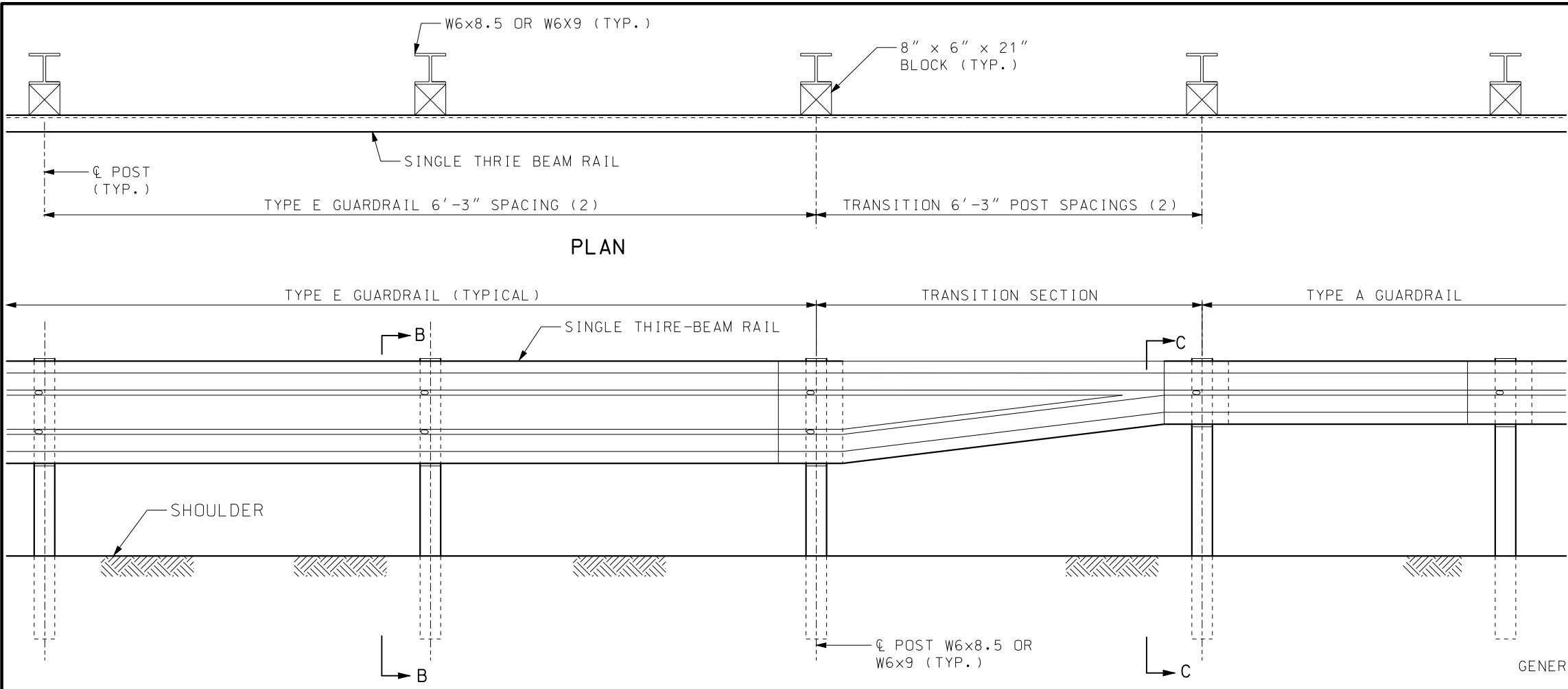
**MoDOT** MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

STATE OF MISSOURI  
SARAH K. KLEINSCHMIT  
NUMBER  
PE-2007002808  
PROFESSIONAL ENGINEER  
*Sarah Kleinschmit*  
SARAH K. KLEINSCHMIT - CIVIL  
MO-PE-2007002808

GUARDRAIL  
TYPE A AND TYPE B

DATE EFFECTIVE: 01/01/2017	606.00AY	SHEET NO. 1 OF 7
DATE PREPARED: 2/6/2026		

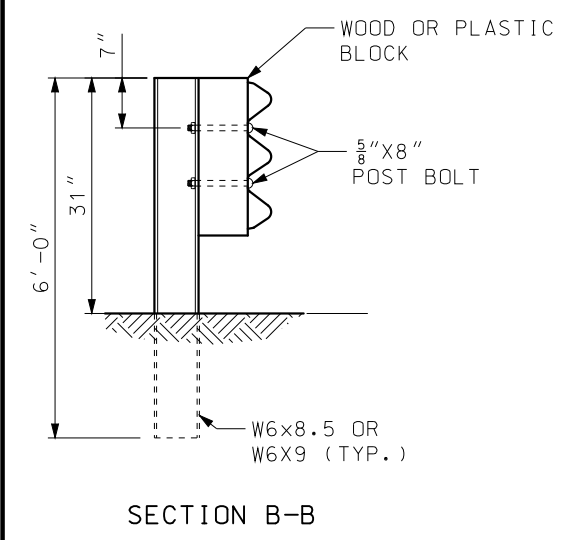
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



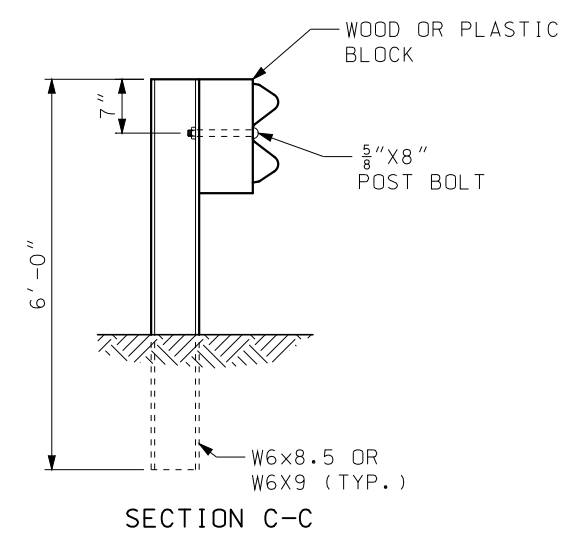
PLAN

PART SECTION SHOWING TYPE E TO TYPE A GUARDRAIL TRANSITION

THE OVERALL NOMINAL DIMENSIONS SHOWN SHALL BE MET, ALTHOUGH THE SHAPE OF THE PLASTIC BLOCKS MAY VARY FROM THE SHAPE SHOWN, EXCEPT THE  $\frac{7}{8}'' \pm \frac{1}{4}''$  FLANGE AND THE OVERALL WIDTH DIMENSIONS MAY BE WAIVED IF APPROVED BY PROJECT OPERATIONS.



SECTION B-B



SECTION C-C

- (1) THE CONTRACTOR MAY FURNISH EQUIVALENT SECTIONS FABRICATED FROM MATERIAL MEETING AND IN ACCORDANCE WITH SEC 1040.
- (2) IF THE TRANSITION IS CONNECTED TO A BRIDGE ANCHOR SECTION, POST SPACING FOR TYPE E GUARDRAIL AND THE TRANSITION SECTION SHALL BE  $3'-1\frac{1}{2}''$ . FOR ALL OTHER CASES, POST SPACING SHALL BE  $6'-3''$ .
- (3) TRANSITION FROM 31" TO 29" HEIGHT OVER 2-12.5' W-BEAMS OR 25'.

GENERAL NOTES:

TYPE E GUARDRAIL SHALL USE 6'-3" POST SPACING UNLESS  $3'-1\frac{1}{2}''$  POST IS SPECIFIED.

THE THRIE BEAM RAIL FOR THE TYPE E GUARDRAIL AND THE TRANSITION SECTION SHALL BE MADE OF STEEL AND SHALL BE 12 GAGE.

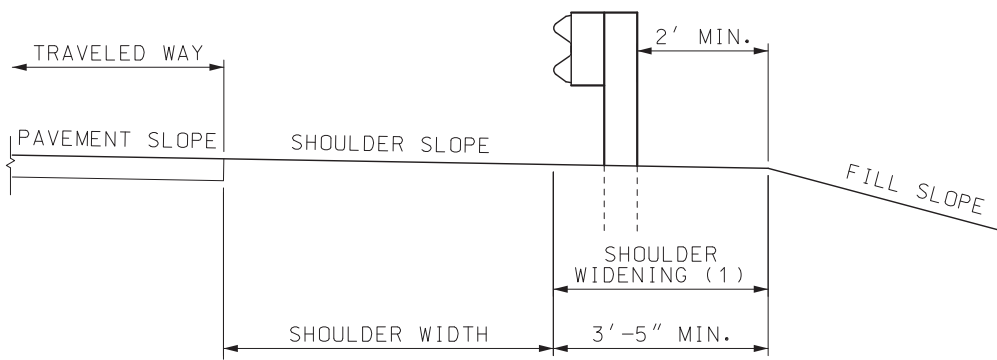
FOR PROTECTIVE COATING AND MATERIAL REQUIREMENTS, SEE SEC 1040 OF THE STANDARD SPECIFICATIONS.

SEE SHEET 7 OF 7 FOR REQUIREMENTS FOR SPECIAL INSTALLATIONS.

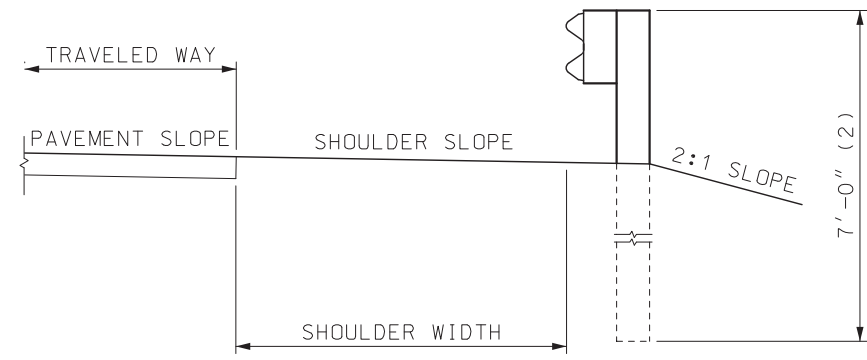
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.

FOR DETAILS NOT SHOWN, SEE OTHER SHEETS OF THIS DRAWING.

<b>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</b>	
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
	<h2 style="margin: 0;">GUARDRAIL TYPE E</h2>
DATE EFFECTIVE: 01/01/2017 DATE PREPARED: 10/28/2016	<b>606.00AY</b>
SHEET NO. <b>2 OF 7</b>	

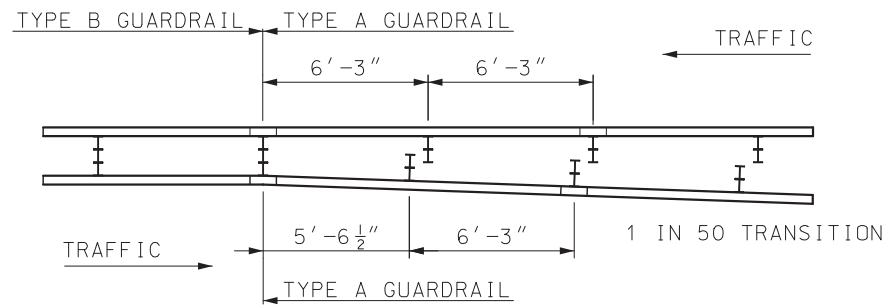


TYPICAL SECTION

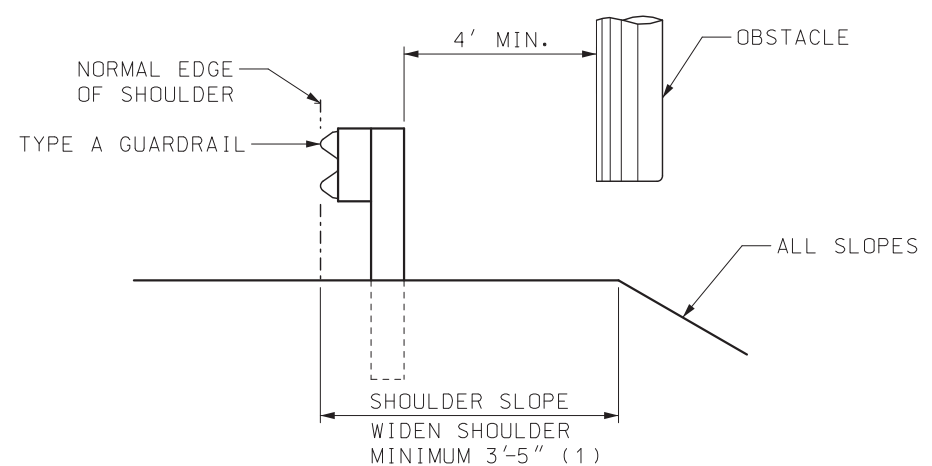


ALTERNATE TYPICAL SECTION AT SLOPE BREAKPOINT

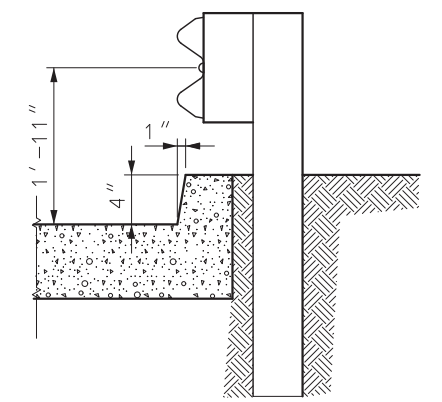
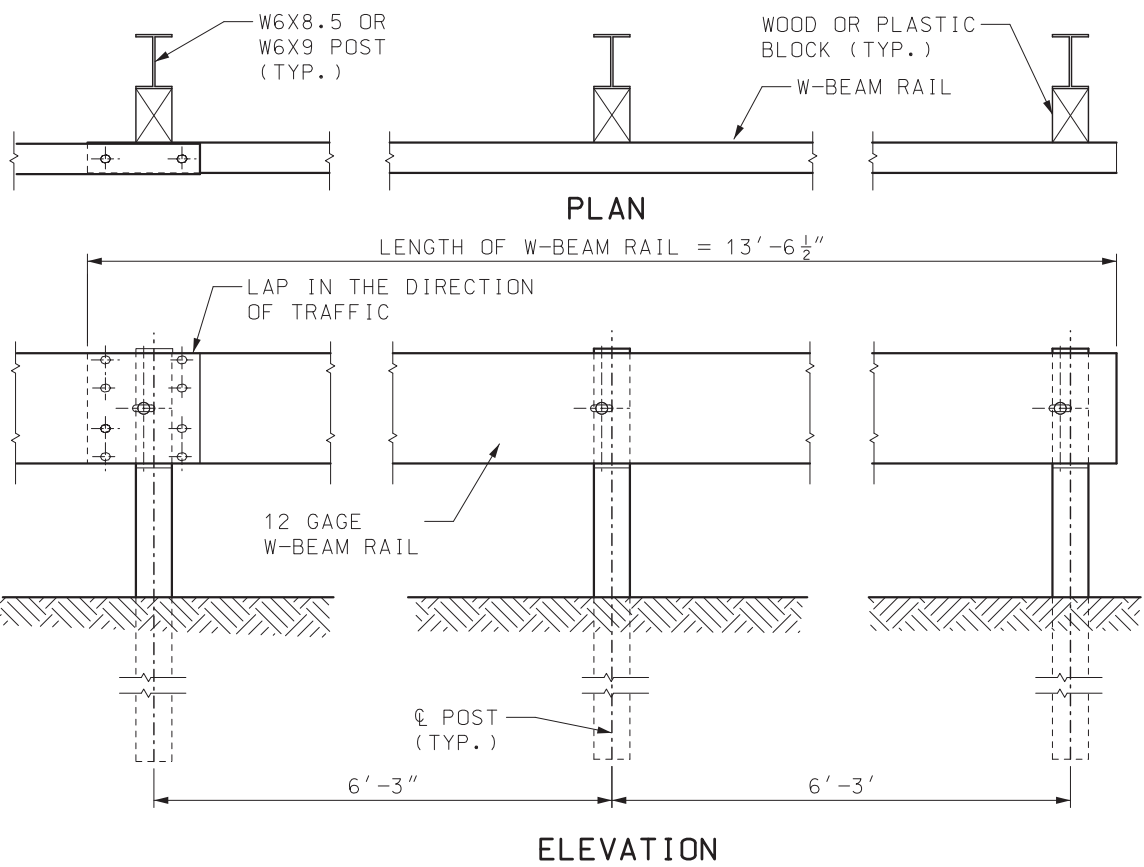
- (1) SHOULDER WIDENING SHALL CONSIST OF EMBANKMENT MATERIAL COMPACTED IN ACCORDANCE WITH SEC 203.4 OF THE STANDARD SPECIFICATIONS.
- (2) POST SHALL BE SPACED AT 3'-1 1/2" ON CENTER.
- (3) WHEN GUARDRAIL IS CONSTRUCTED OVER CURBS, THE CURBS SHALL BE CONSTRUCTED AS SHOWN.



DETAIL FOR TRANSITIONING BETWEEN TYPE A AND TYPE B GUARDRAIL



LOCATION OTHER THAN  $\phi$  MEDIAN  
LATERAL PLACEMENT OF GUARDRAIL FOR SHOULDER INSTALLATION



GUARDRAIL AT CURBS (3)

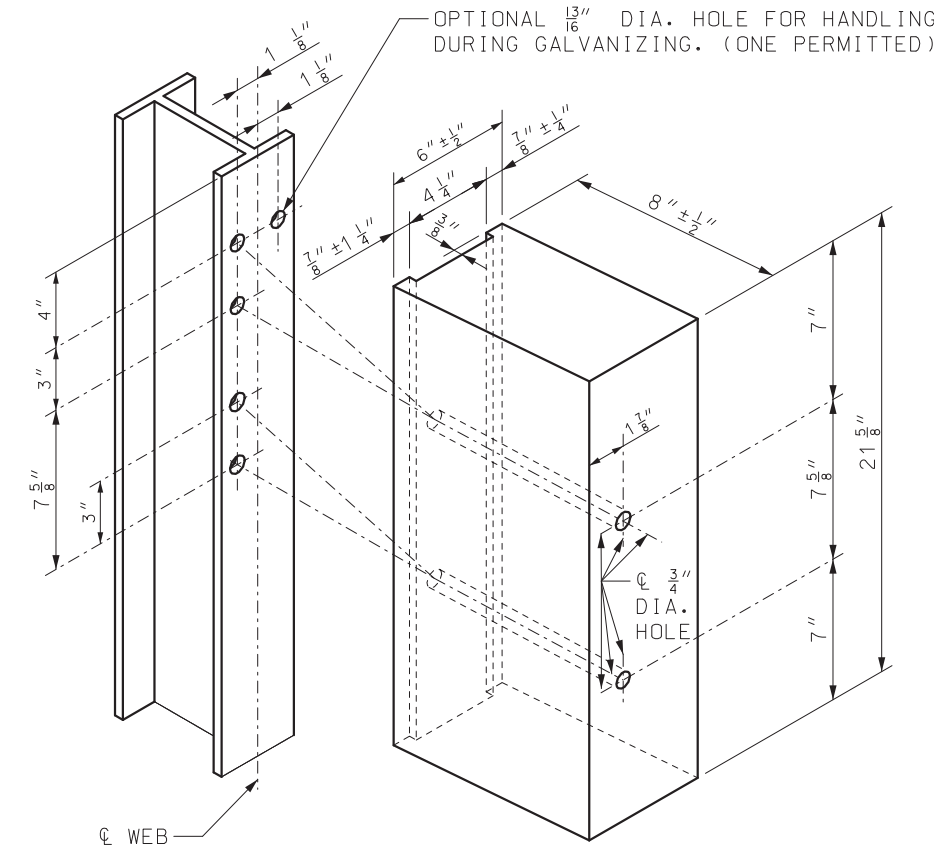
**MoDOT** MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
 105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

STATE OF MISSOURI  
 TRAVIS D. KOESTNER  
 NUMBER PE-30042  
 PROFESSIONAL ENGINEER  
 THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

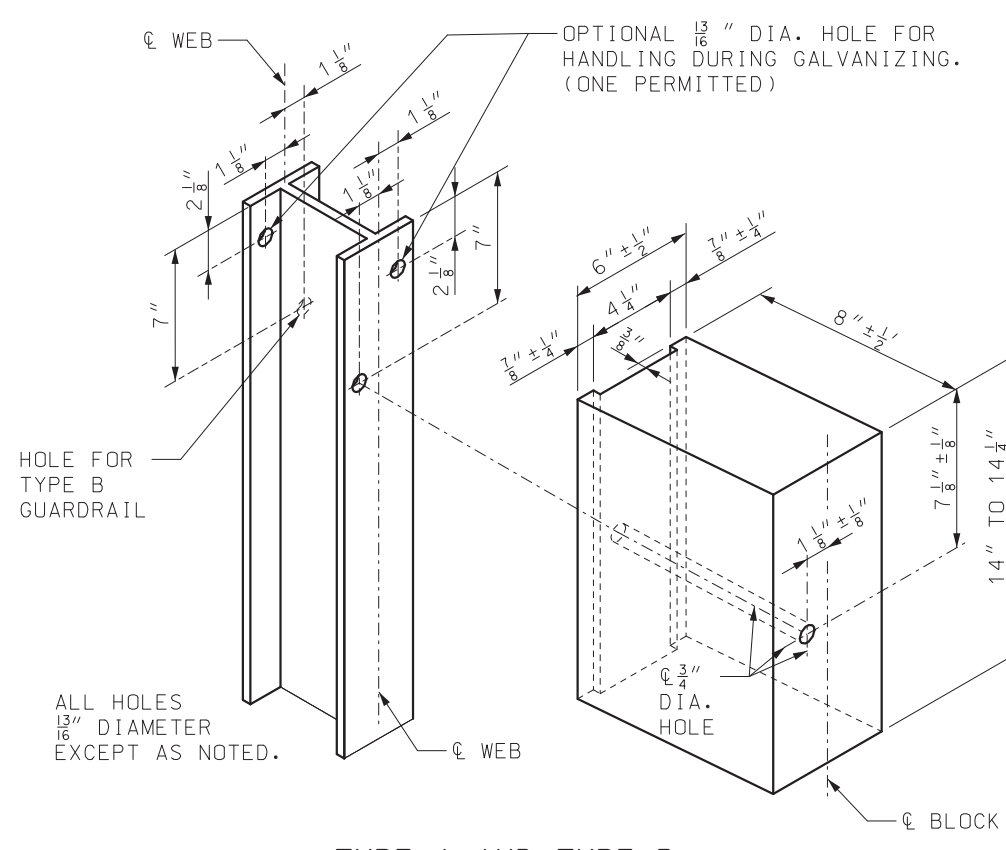
**GUARDRAIL LAYOUT**

DATE EFFECTIVE: 01/01/2020	606.00AY	SHEET NO. 3 OF 7
DATE PREPARED: 10/21/2019		

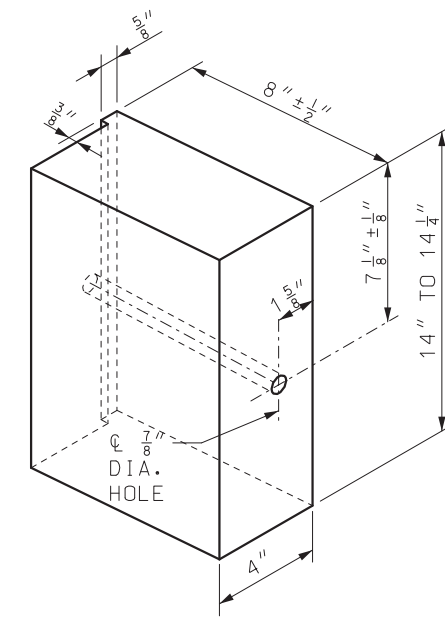
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**TYPE E**  
FOR STEEL POST & WOOD OR PLASTIC BLOCKS (1)

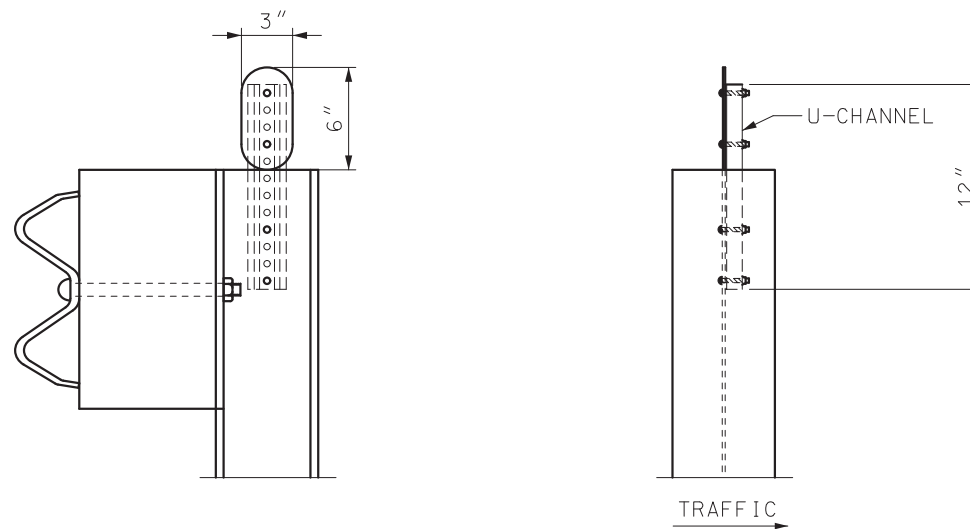
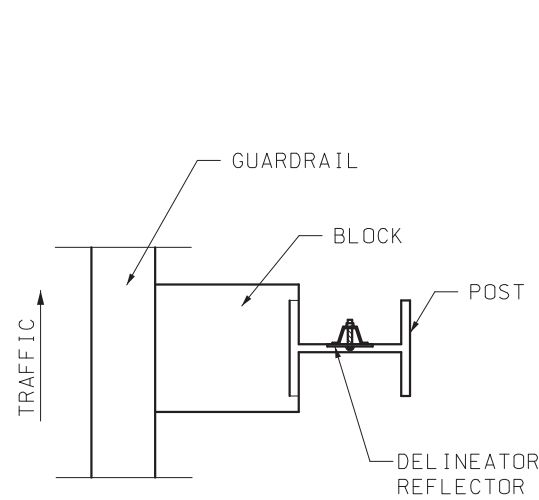


**TYPE A AND TYPE B**  
FOR STEEL POST AND WOOD OR PLASTIC BLOCKS (1)



**ALTERNATE DESIGN**  
FOR WOOD BLOCK



(1) THE OVERALL NOMINAL DIMENSIONS SHOWN SHALL BE MET, ALTHOUGH THE SHAPE OF THE PLASTIC BLOCKS MAY VARY FROM THE SHAPE SHOWN, EXCEPT THE  $\frac{1}{8}'' \pm \frac{1}{4}''$  FLANGE AND THE OVERALL WIDTH DIMENSIONS MAY BE WAIVED IF APPROVED BY PROJECT OPERATIONS.



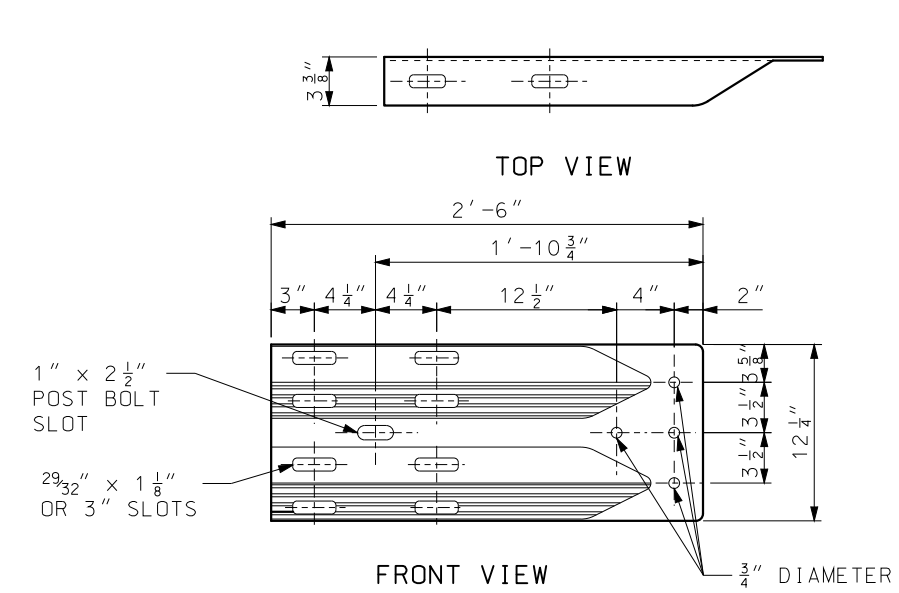
**DELINATORS ON NEW GUARDRAIL**

**GENERAL NOTES:**

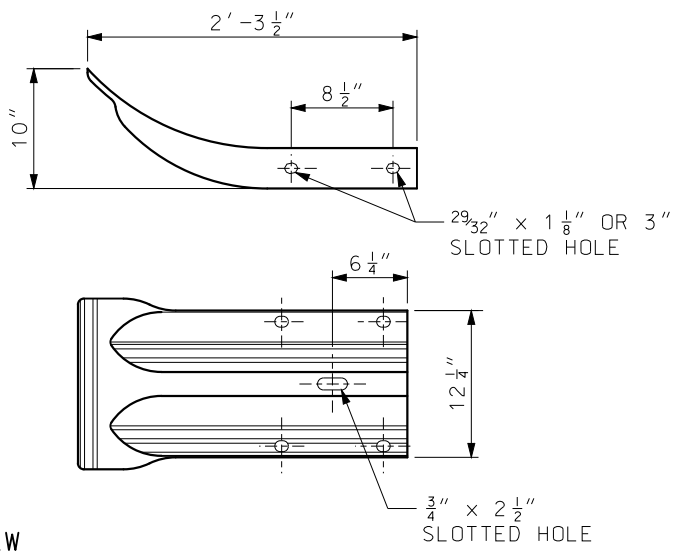
FOR GUARDRAIL DELINEATION DETAILS, SEE STD PLAN 903.00.

 <b>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</b> 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
	<p align="center"><b>GUARDRAIL POST AND BLOCK</b></p>
DATE EFFECTIVE: 07/01/2025 DATE PREPARED: 3/26/2025	<p align="center">606.00AY</p>
SHEET NO. 4 OF 7	

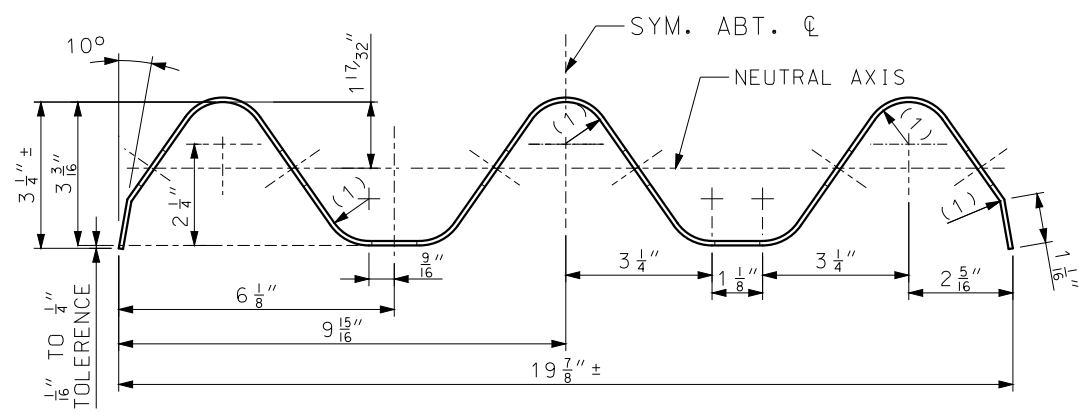
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



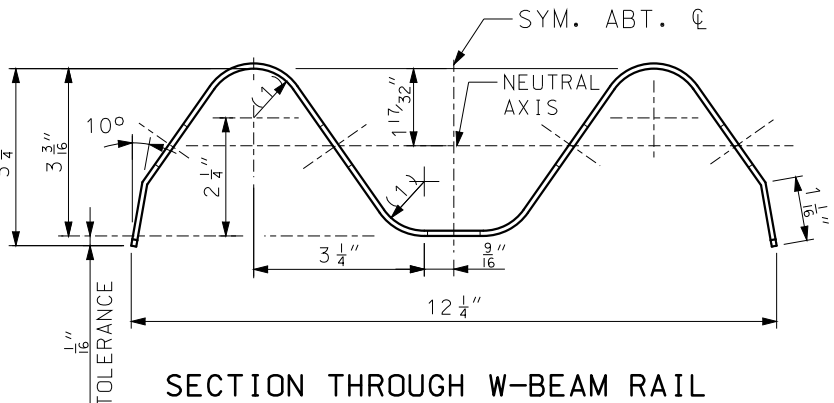
TERMIANL CONNECTOR



END SECTION  
12 GAGE

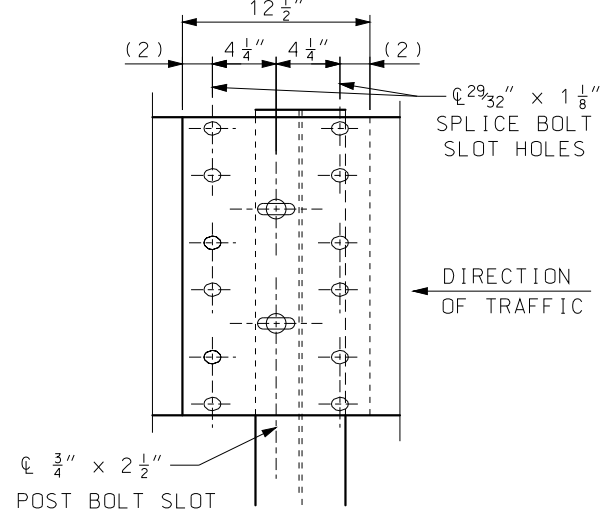


SECTION THROUGH THRIE BEAM RAIL

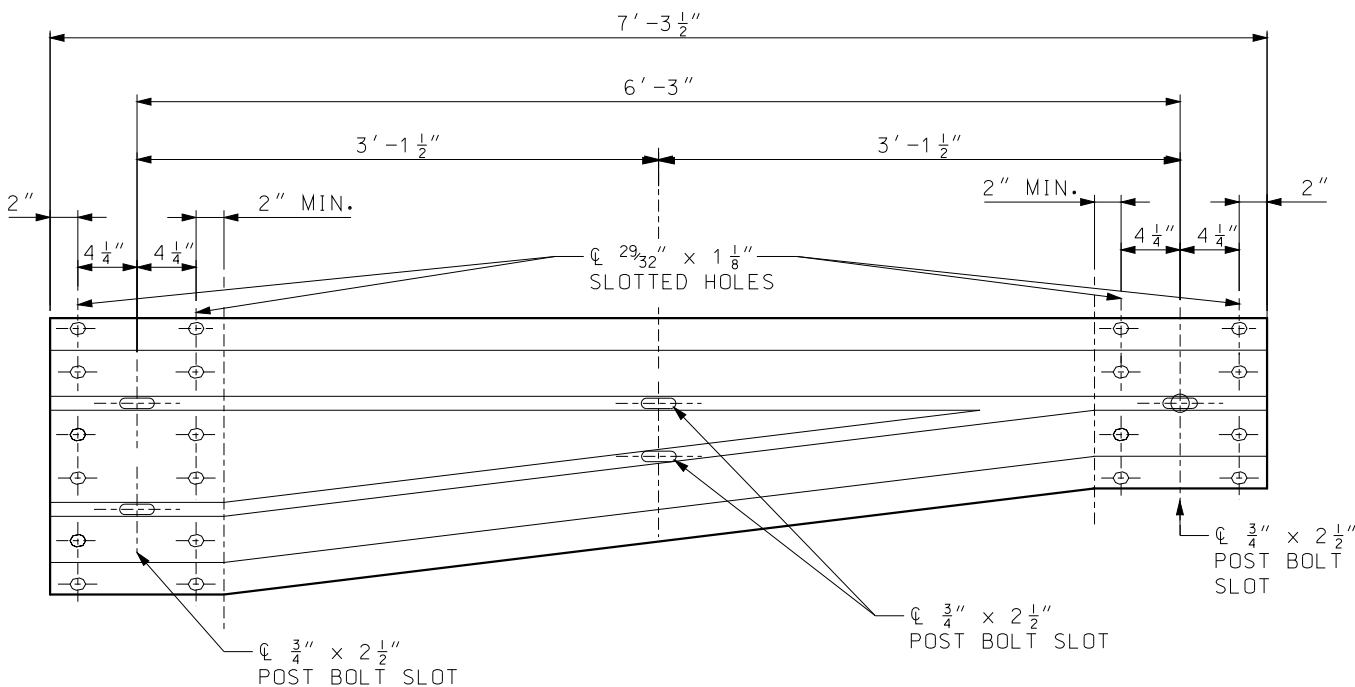


SECTION THROUGH W-BEAM RAIL

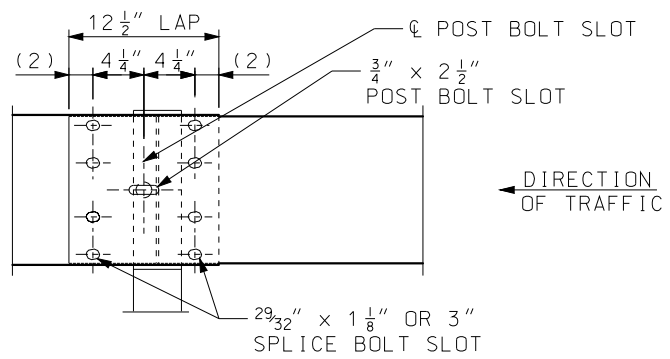
- (1) 15/16" RADIUS
- (2) 2" (TOLERANCE +1/4", -1/4")



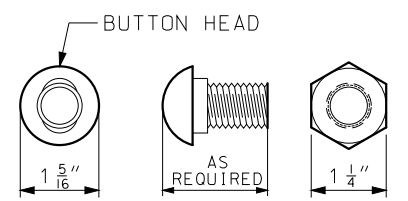
THRIE-BEAM SPLICE AT POST



ELEVATION OF ASYMMETRICAL TRANSITION SECTION

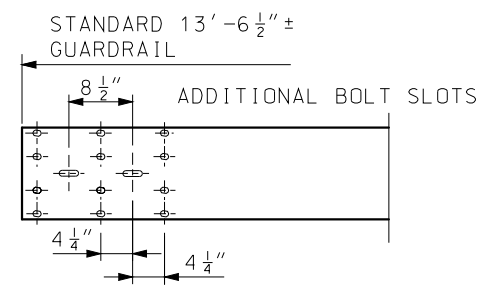


W-BEAM RAIL SPLICE AT POST



5/8" POST OR SPLICE BOLT

OVAL SHOULDER SHALL BE OF ADEQUATE HEIGHT, LENGTH & SHAPE TO PREVENT TURNING DURING INSTALLATION OR REMOVAL OF BOLT.



NOTE: PORTIONS OF BEAM WITH UNUSED BOLT SLOTS TO BE LAPPED BEHIND.

BEAM DETAILS SHOWING LOCATION OF ADDITIONAL BOLT SLOTS NECESSARY TO OBTAIN GUARDRAIL OFFSET.

**MoDOT** MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

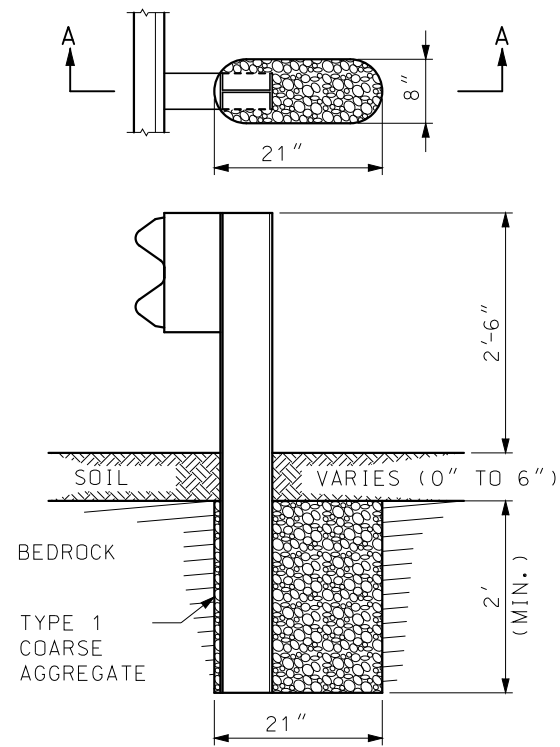
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

STATE OF MISSOURI  
ERIC E. SCHROETER  
NUMBER PE-28411  
PROFESSIONAL ENGINEER

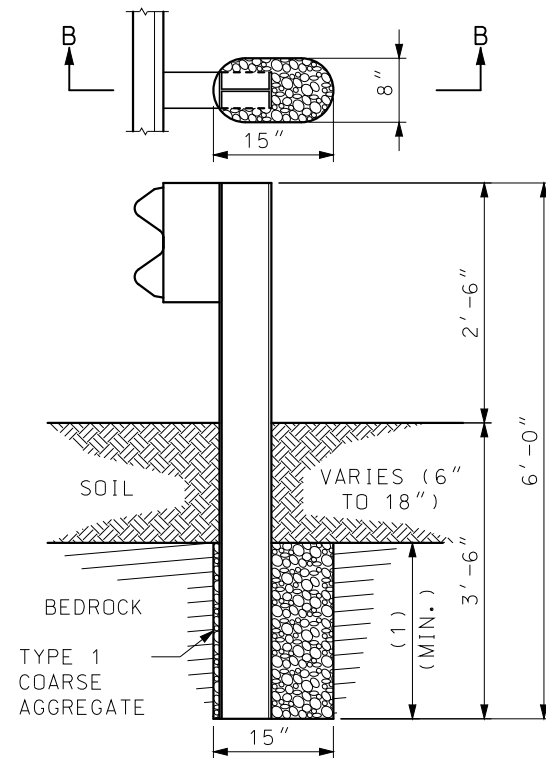
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GUARDRAIL RAIL ELEMENTS

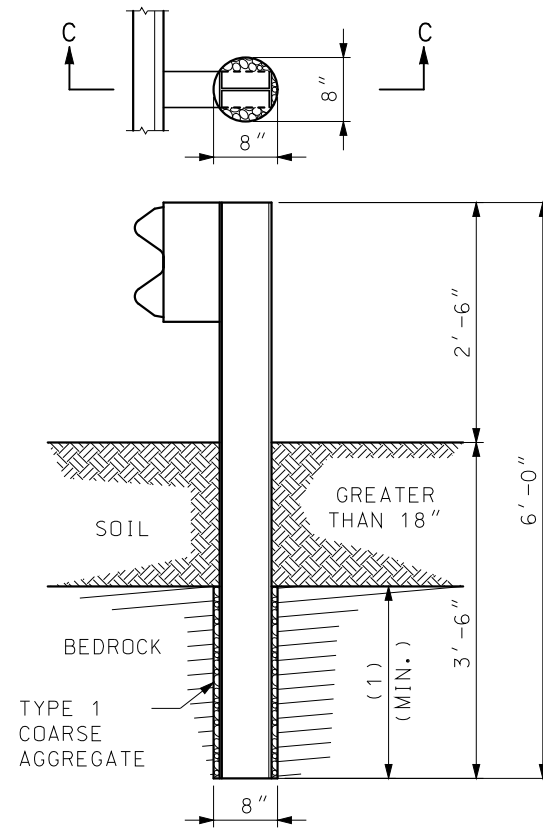
DATE EFFECTIVE: 01/01/2017	606.00AY	SHEET NO. 5 OF 7
DATE PREPARED: 10/28/2016		



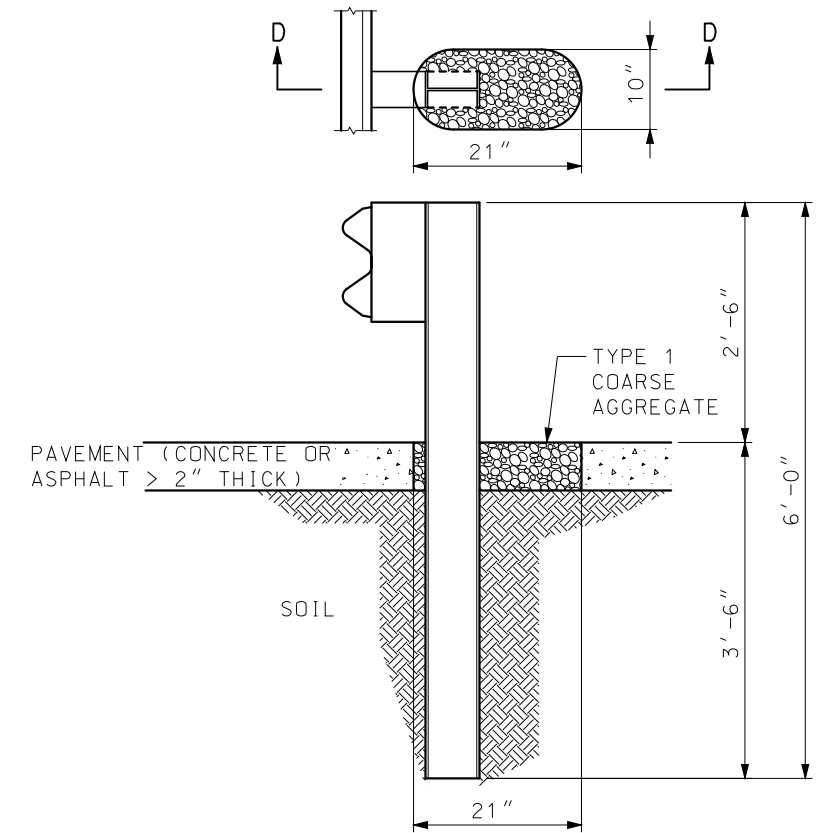
SECTION A-A  
ROCK ENCOUNTERED  
UP TO 6" BENEATH SURFACE



SECTION B-B  
ROCK ENCOUNTERED  
6" TO 18" BENEATH SURFACE



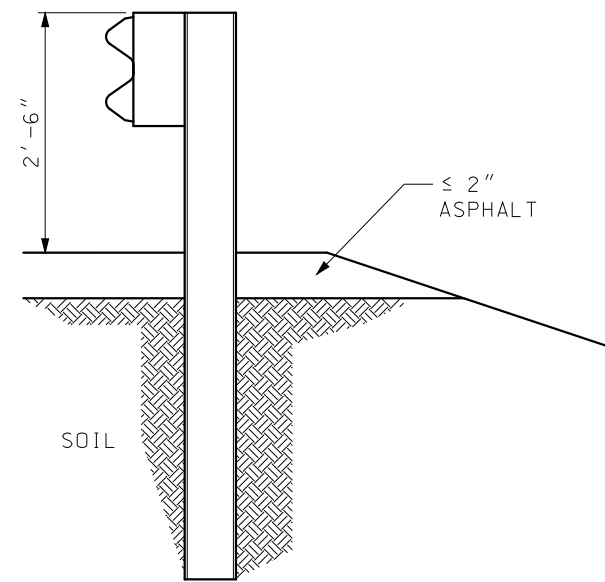
SECTION C-C  
ROCK ENCOUNTERED MORE  
THAN 18" BENEATH SURFACE



SECTION D-D  
SETTING POST THROUGH PAVEMENT  
(CONCRETE OR ASPHALT > 2" THICK)

SETTING POST IN SOLID ROCK

(1) MINIMUM ROCK EMBEDMENT IS EQUAL TO FULL DEPTH POST EMBEDMENT MINUS SOIL DEPTH.



SETTING POST THROUGH ASPHALT  $\leq$  2" THICK

GENERAL NOTES:

HOLES IN SOLID ROCK SHALL PROVIDE A DIAMETER OF NOT LESS THAN 4 INCHES GREATER THAN THE MAXIMUM TRANSVERSE DIMENSION OF THE POST SECTION.

POST MAY BE SHORTER WHERE PLACED IN A MINIMUM 2 FEET OF SOLID ROCK. STEEL POSTS MAY BE FLAME OR SAW CUT. REPAIR OF CUT SHALL BE IN ACCORDANCE WITH SEC 712 OF THE STANDARD SPECIFICATIONS.

**MoDOT** MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
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STATE OF MISSOURI  
ERIC E. SCHROETER  
NUMBER PE-28411  
PROFESSIONAL ENGINEER  
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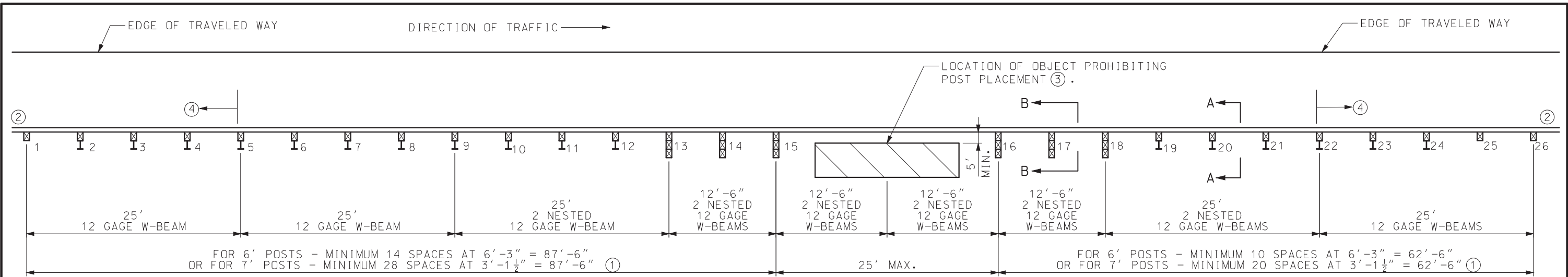
GUARDRAIL  
SPECIAL INSTALLATIONS

DATE EFFECTIVE: 01/01/2017  
DATE PREPARED: 10/28/2016

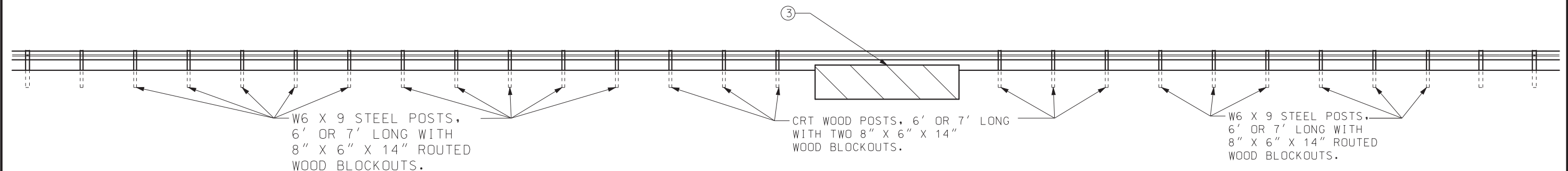
606.00AY

SHEET NO.  
6 OF 7

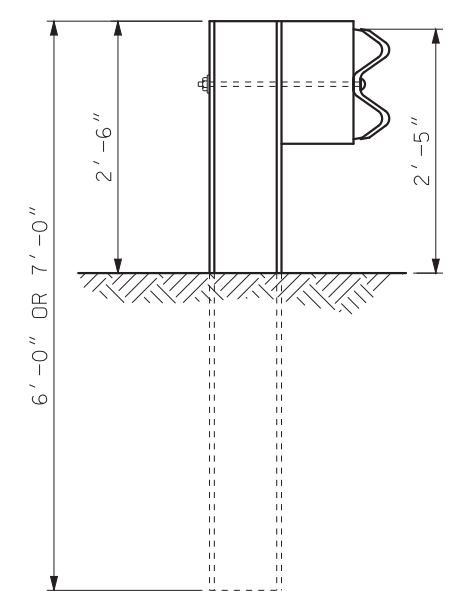
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PLAN

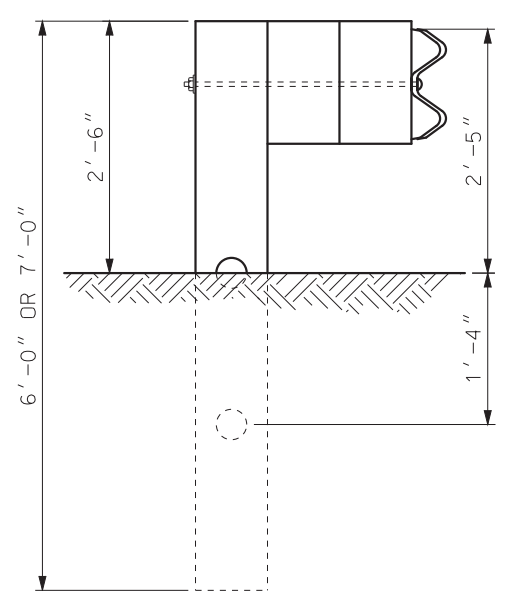


ELEVATION



SECTION A-A

W6 X 9 STEEL POSTS, 6' OR 7' LONG WITH 8" X 6" X 14" ROUTED WOOD BLOCKOUTS POSTS 3 THROUGH 12 AND 19 THROUGH 24.



SECTION B-B

CRT WOOD POSTS, 6' OR 7' LONG WITH TWO 8" X 6" X 14" WOOD BLOCKOUTS POSTS 13 THROUGH 18.

- ① IF LOCATED WITHIN THE CLEAR ZONE OF A TWO-WAY ROADWAY, THE MINIMUM LENGTH IS 87'-6".
- ② ADDITIONAL GUARDRAIL AS REQUIRED, INCLUDING END TREATMENT.
- ③ THE POST MAY BE SKIPPED DUE TO THE PRESENCE OF AN OBSTACLE SUCH AS A CULVERT.
- ④ PLACE END TREATMENT NO CLOSER TO THE SKIPPED POST THAN POSTS 5 AND 22.

<p><b>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</b></p> <p>105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)</p>	
<p>STATE OF MISSOURI ERIC E. SCHROETER NUMBER PE-28411 PROFESSIONAL ENGINEER</p> <p>THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.</p>	<p><b>GUARDRAIL LONG-SPAN NESTED W-BEAM</b></p>
<p>DATE EFFECTIVE: 10/01/2017 DATE PREPARED: 8/8/2017</p>	<p>606.00AY</p> <p>SHEET NO. 7 OF 7</p>

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.