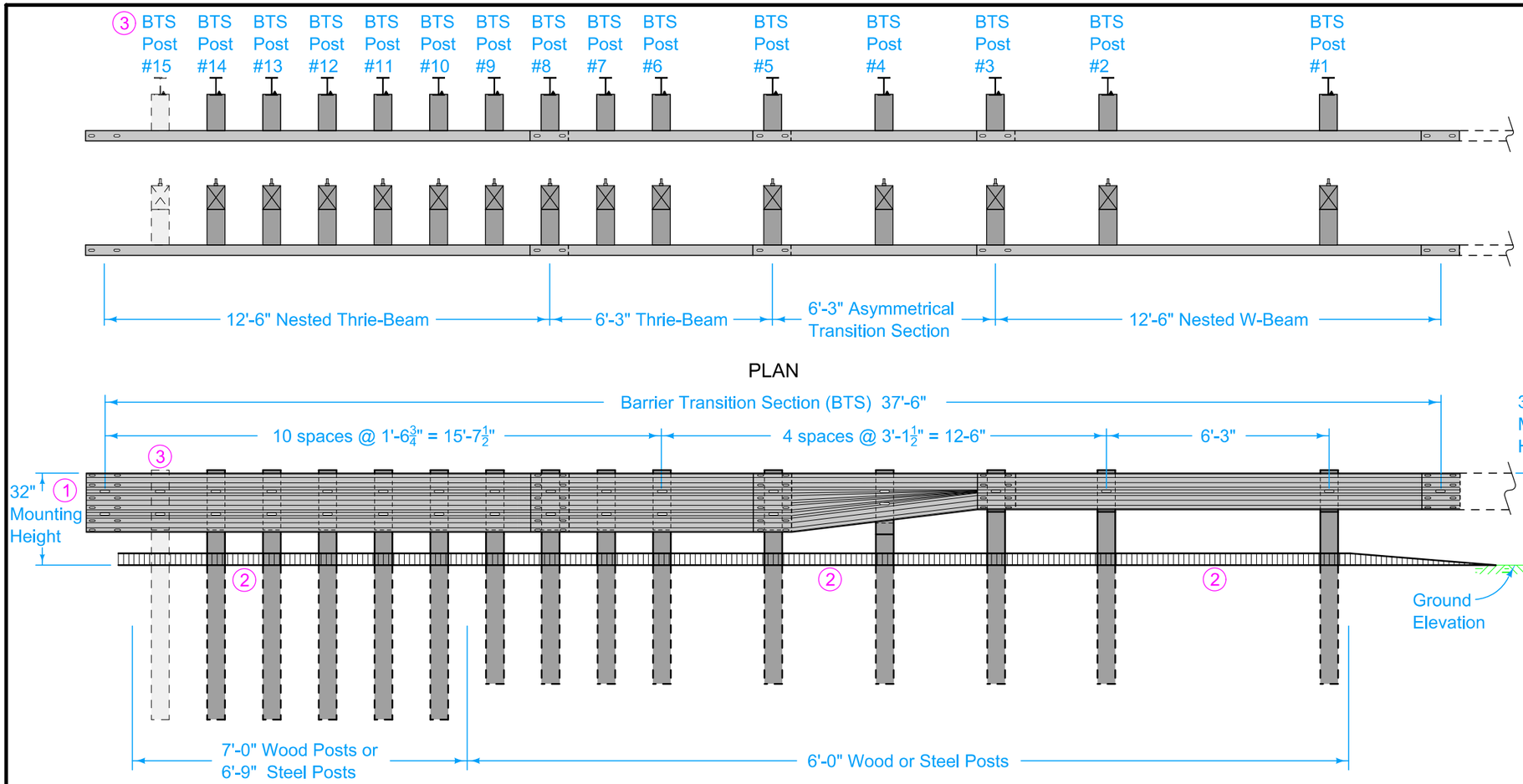
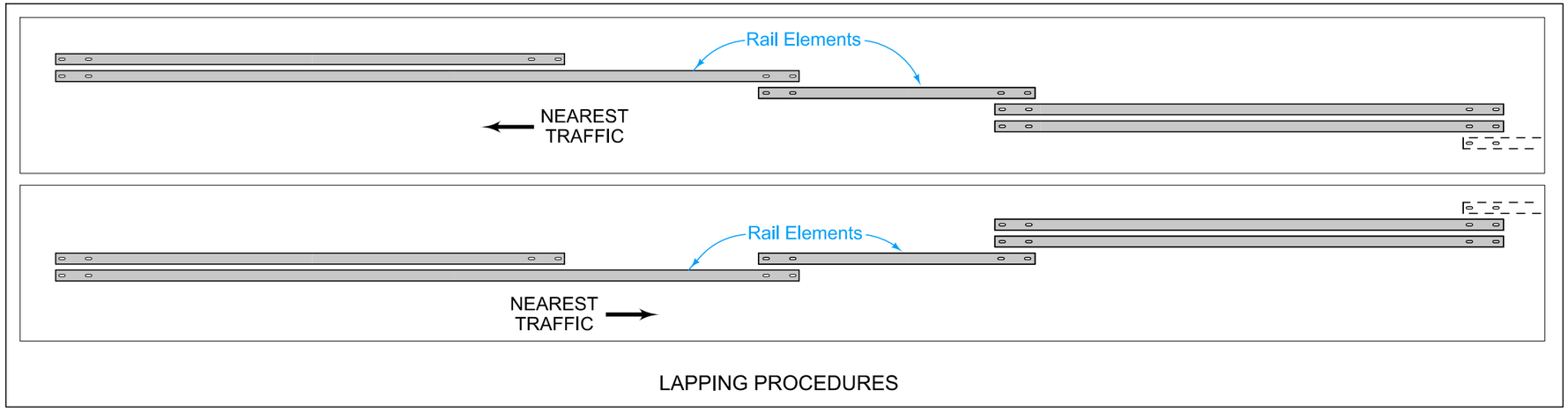
DESIGNER INFORMATION



PLAN

ELEVATION



LAPPING PROCEDURES

At Bridge End Drains, cut Scour Protection (Transition Mat and Turf Reinforcement Mat) or remove rock as required to place post(s) such that Bridge End Drains abut post(s).

① Guardrail mounting height at barrier connection is 32 inches. Transition guardrail mounting height down to 31 inches at BTS Post #3.

② Possible 4 inch sloped curb. See project plans. Refer to PV-102 for curb and runout details.

③ Depending on end anchor type, BTS Post #15 may be eliminated or modified. See BA-202

Possible Contract Item:
Steel Beam Guardrail Barrier Transition Section, BA-201

Materials included in the Contract Item:
- Steel Post Option:
  - (9) W6x9 x 6'-0" posts
  - (6) 6" x 8" x 6'-9" posts
  - (12) 6" x 12" x 19" blockouts
  - (3) 6" x 12" x 14" blockouts
- Wood Post Option:
  - (9) 6" x 8" x 6'-0" posts
  - (6) 6" x 8" x 7'-0" posts
  - (12) 6" x 12" x 19" blockouts
  - (3) 6" x 12" x 14" blockouts
- (1) Asymmetrical Transition Section
- (2) 12'-6" Thrie-Beam rail sections*
- (1) 6'-3" Thrie-Beam rail section*
- (2) 12'-6" W-Beam rail sections
- Approved bolts, nuts, and washers
- Refer to BA-200 for guardrail components

* One 18'-9" Thrie-Beam rail section may be substituted for one of the 12'-6" sections and the 6'-3" section as shown

IOWA DOT

STANDARD ROAD PLAN

REVISION	
7	10-18-22

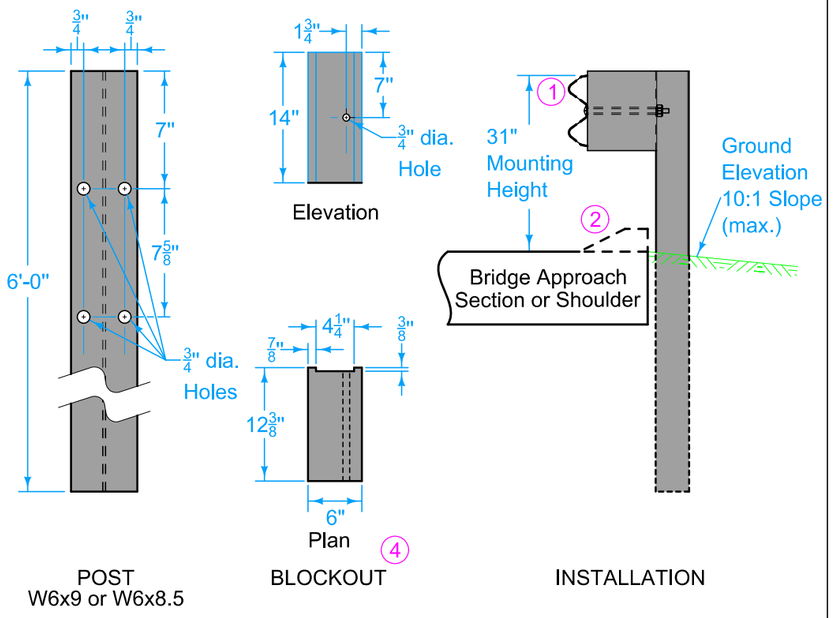
BA-201

SHEET 1 of 3

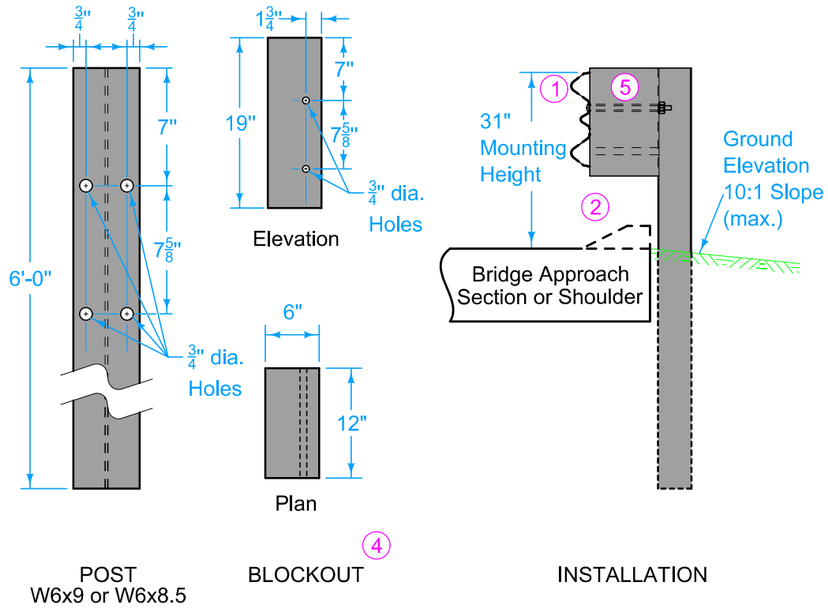
REVISIONS: Revised curb note.

APPROVED BY DESIGN METHODS ENGINEER

STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION (MASH TL-3)

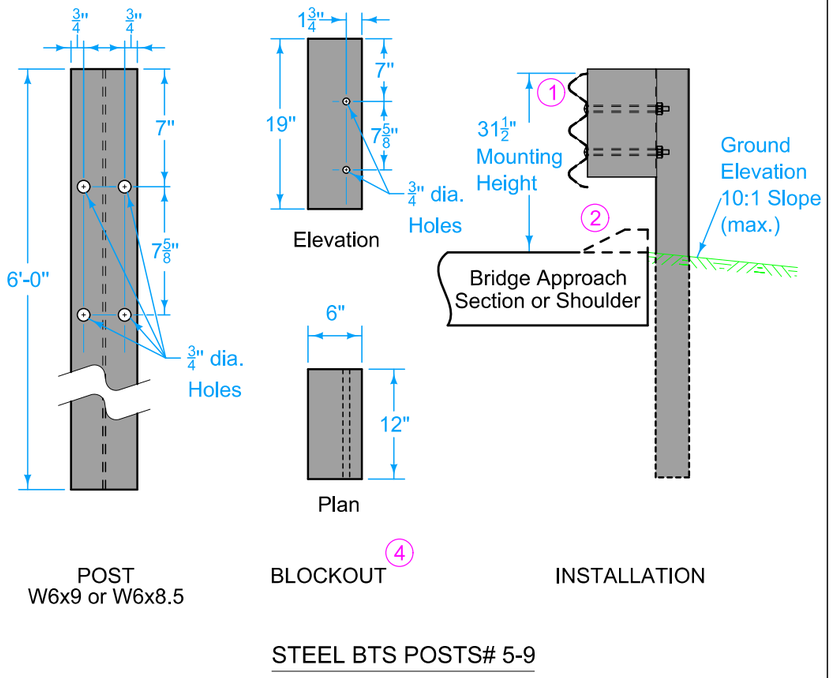


STEEL BTS POST #1-3

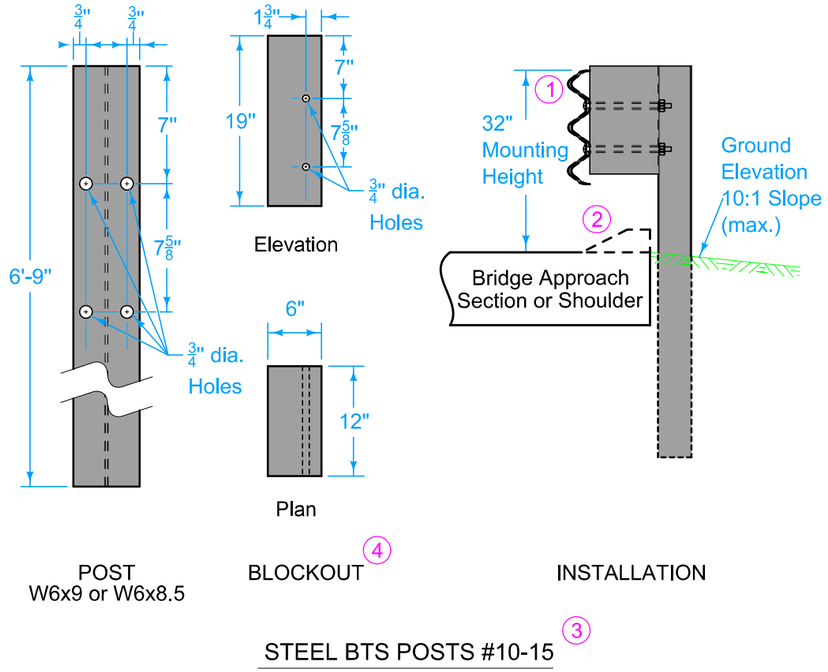


STEEL BTS POST #4

1. Guardrail mounting height at barrier connection is 32 inches. Transition guardrail mounting height down to 31 inches at BTS Post #3.
2. Possible 4 inch sloped curb. See project plans. Refer to PV-102 for curb and runout details.
3. Depending on end anchor type, BTS Post #15 may be eliminated or modified. See BA-202
4. Wood or composite only. Steel blockouts will not be allowed.
5. Place bolt in top hole only.



STEEL BTS POSTS# 5-9



STEEL BTS POSTS #10-15 (3)

IOWA DOT

STANDARD ROAD PLAN

REVISION	
7	10-18-22

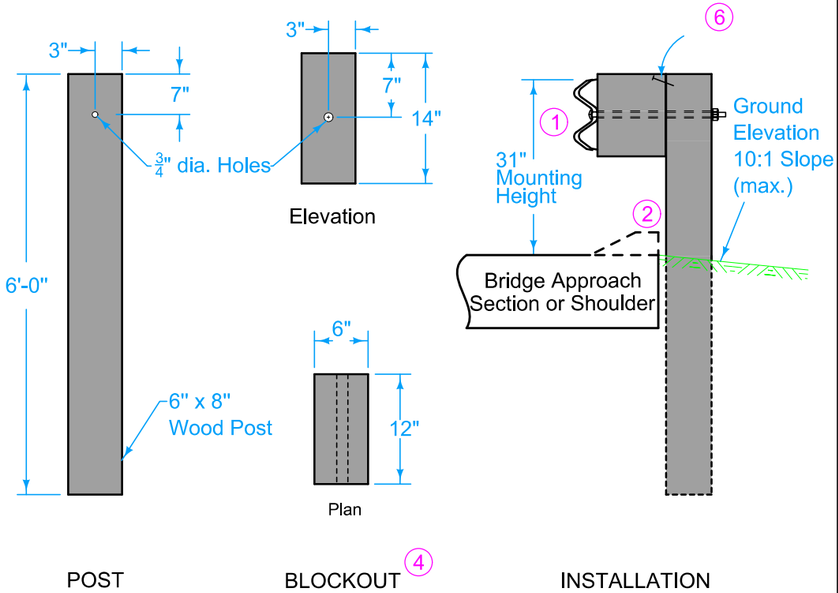
BA-201

SHEET 2 of 3

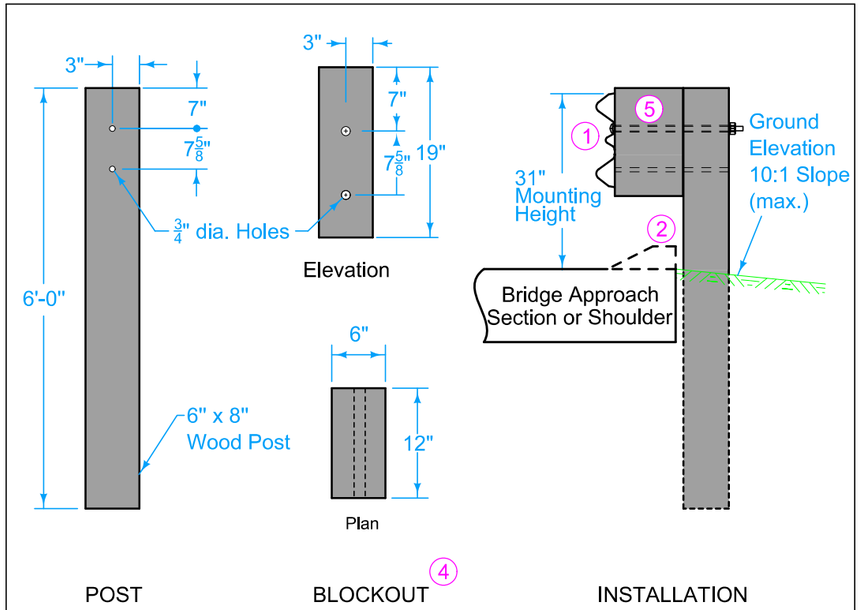
REVISIONS: Revised curb note.

APPROVED BY DESIGN METHODS ENGINEER

STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION (MASH TL-3)

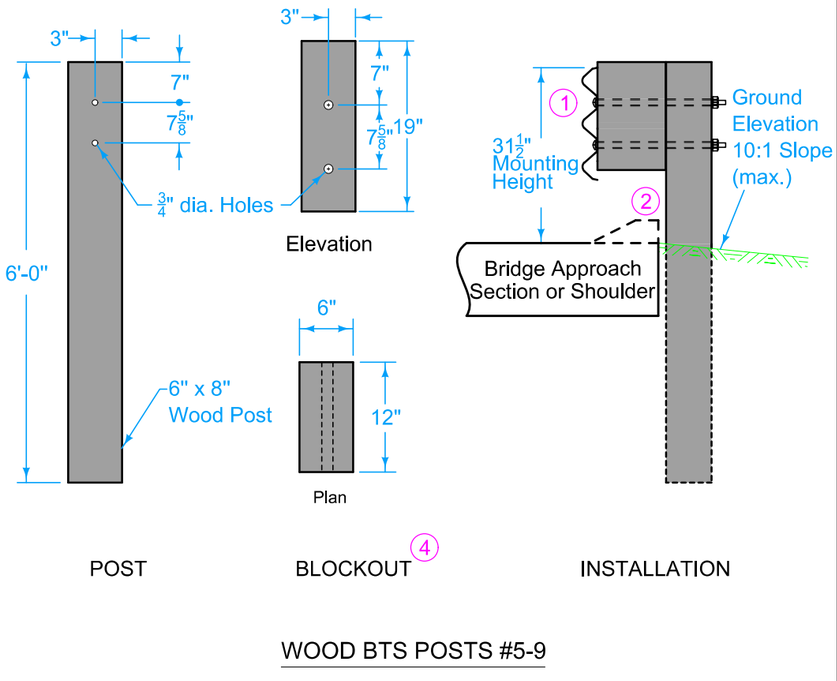


WOOD BTS POSTS #1-3

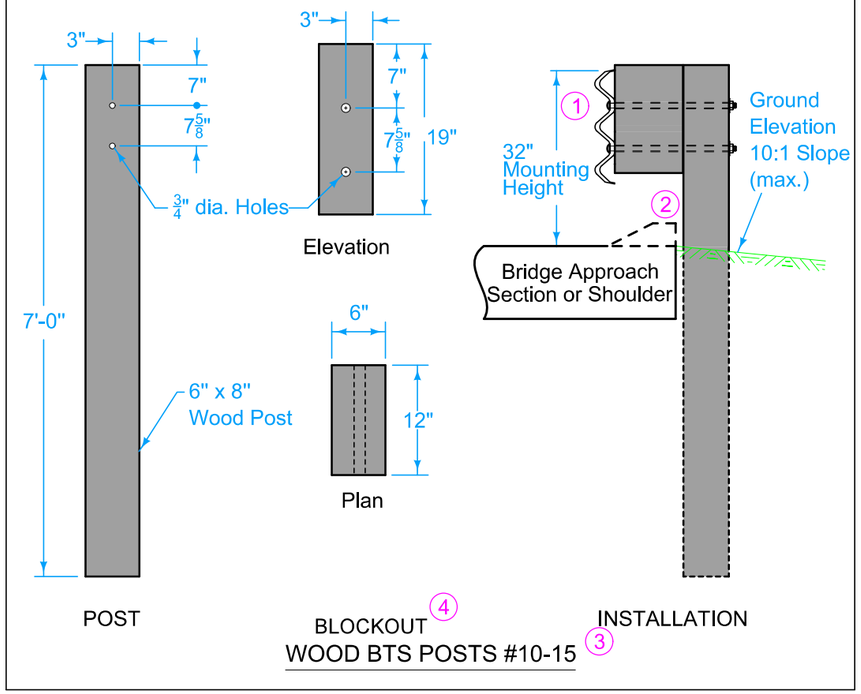


WOOD BTS POST #4

1. Guardrail mounting height at barrier connection is 32 inches. Transition guardrail mounting height down to 31 inches at BTS Post #3.
2. Possible 4 inch sloped curb. See project plans. Refer to PV-102 for curb and runout details.
3. Depending on end anchor type, BTS Post #15 may be eliminated or modified. See BA-202.
4. Wood or composite only. Steel blockouts will not be allowed.
5. Place bolt in top hole only.
6. 16d nail to prevent blockout rotation.



WOOD BTS POSTS #5-9



WOOD BTS POSTS #10-15

IOWA DOT

STANDARD ROAD PLAN

REVISION	
7	10-18-22

BA-201

SHEET 3 of 3

REVISIONS: Revised curb note.

APPROVED BY DESIGN METHODS ENGINEER

STEEL BEAM GUARDRAIL
BARRIER TRANSITION SECTION
(MASH TL-3)