

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.
- 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

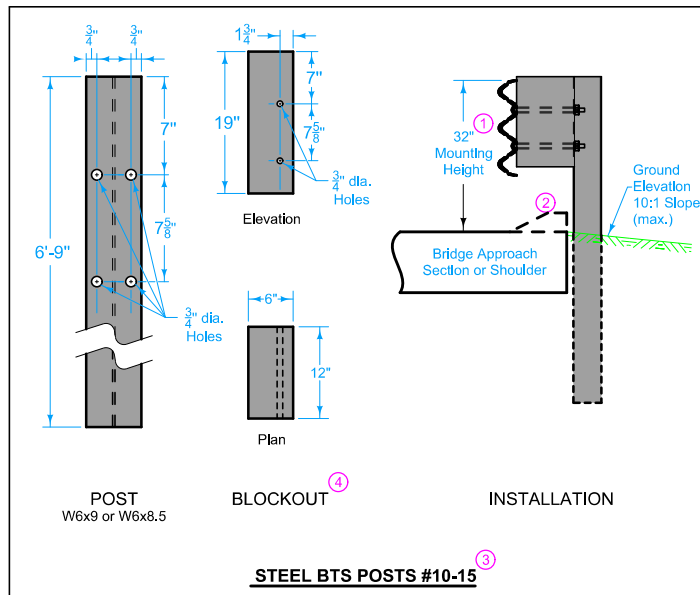
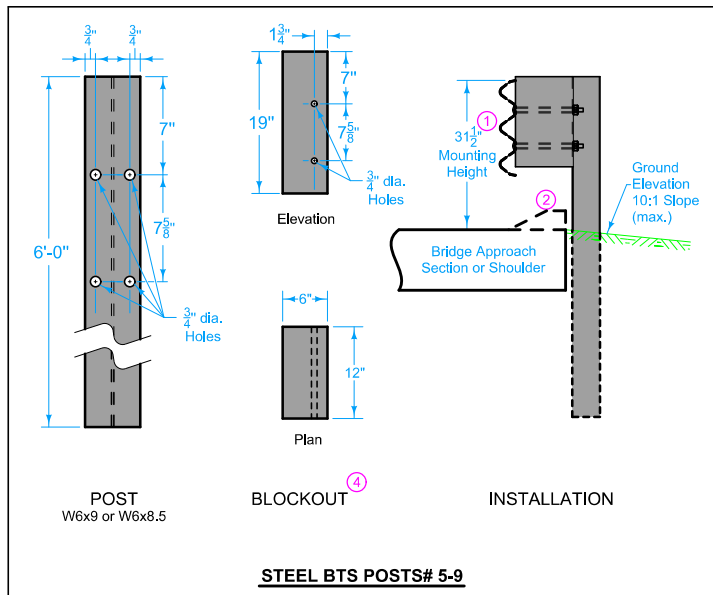
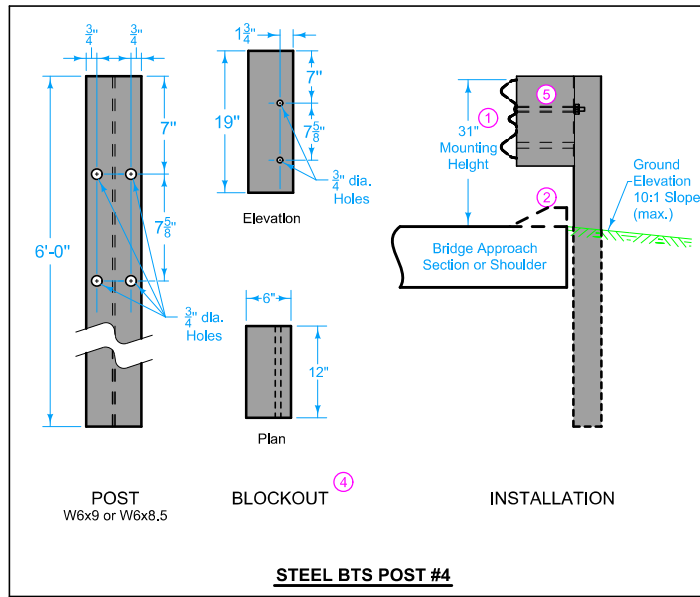
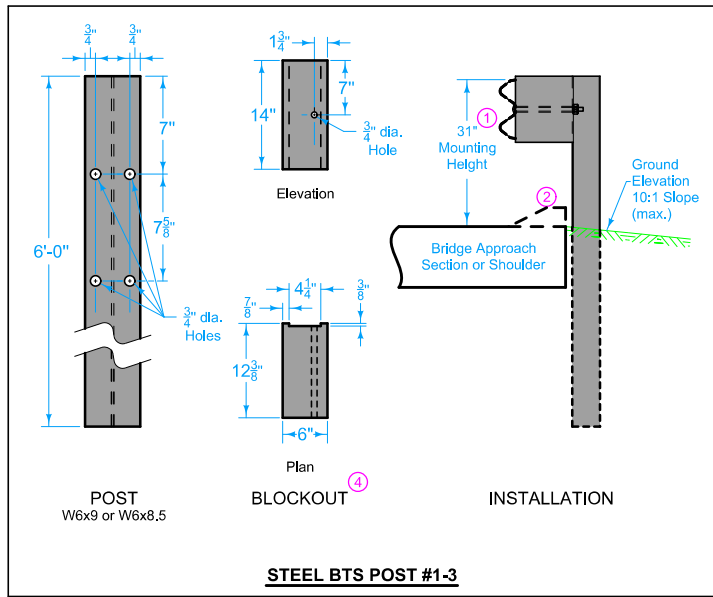
Materials included in the Contract Item:

- Steel Post Option:
- (9) 6" x 8" 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

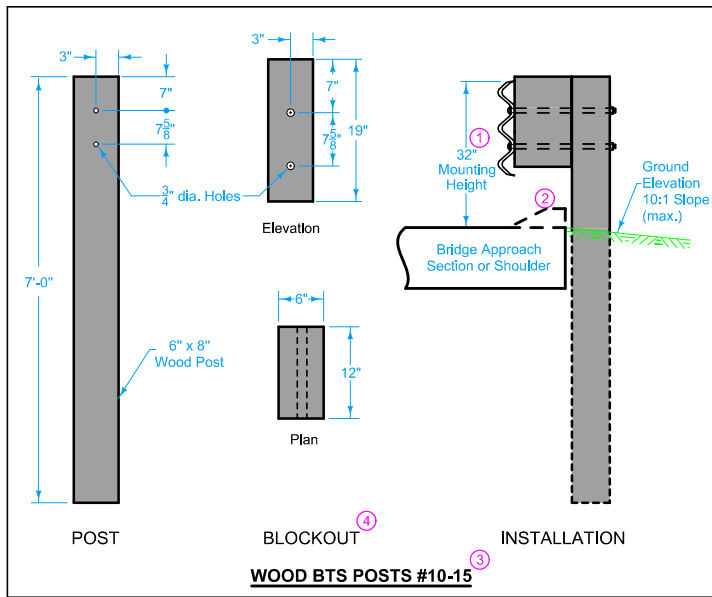
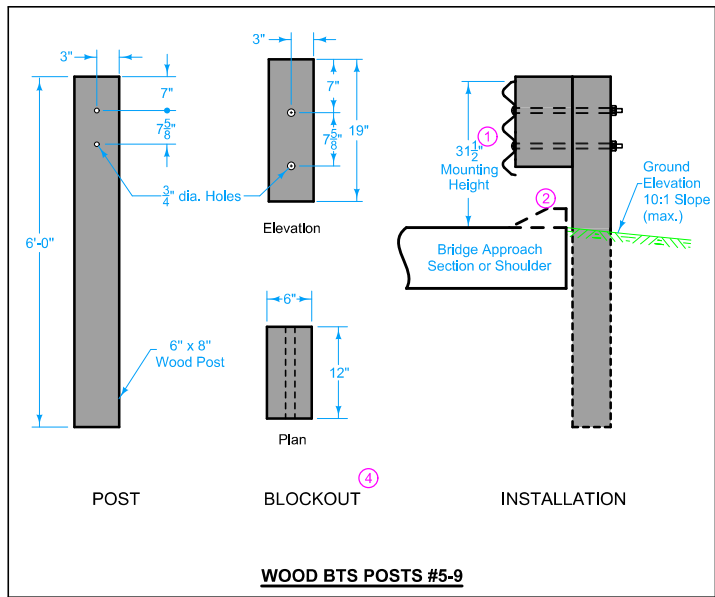
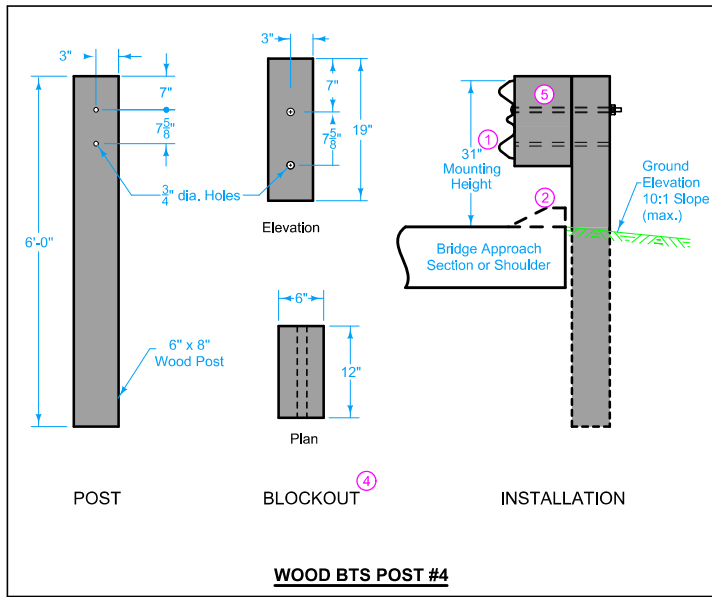
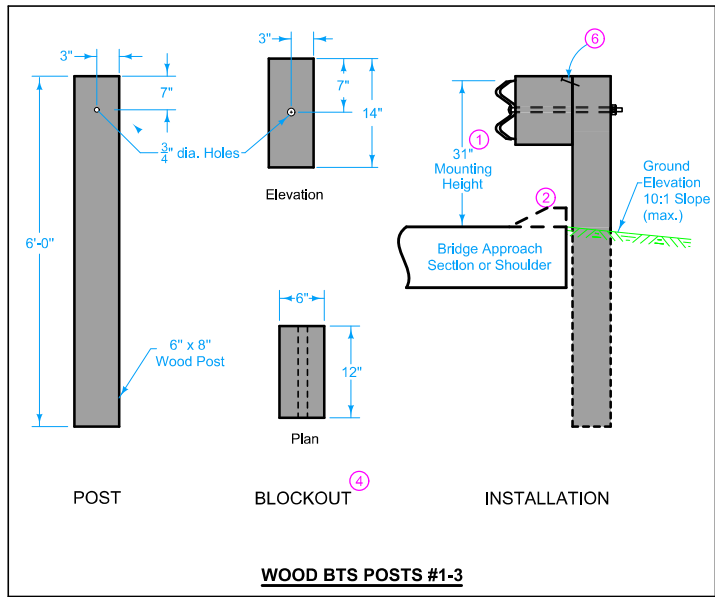
* One 18'-9" Thrie-Beam rail section may be substituted for one of the 12'-6" sections and the 6'-3" section as shown

<p style="margin: 0;">STANDARD ROAD PLAN</p>	REVISION 5 04-18-17
	BA-201
	SHEET 1 of 3
REVISIONS: Changed Circle Note 5. Changed hole spacing dimensions on WOOD BTS POST #4 view on page 3. Added Circle Note 6 on Page 3.	
<p style="margin: 0; font-size: x-small;">APPROVED BY DESIGN METHODS ENGINEER</p>	
STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION (MASH TL-3)	



- 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.
- 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.

IOWA DOT	REVISION
	5 04-18-17
	STANDARD ROAD PLAN
BA-201	SHEET 2 of 3
REVISIONS: Changed Circle Note 5. Changed hole spacing dimensions on WOOD BTS POST #4 view on page 3. Added Circle Note 6 on Page 3.	
<i>Brian Smith</i> APPROVED BY DESIGN METHODS ENGINEER	
STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION (MASH TL-3)	



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- ② Possible 4 inch sloped curb. See project plans.
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- 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.

IOWA DOT	REVISION
	5 04-18-17
	STANDARD ROAD PLAN
BA-201	
SHEET 3 of 3	
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<i>Brian Smith</i> <small>APPROVED BY DESIGN METHODS ENGINEER</small>	
STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION (MASH TL-3)	