

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.

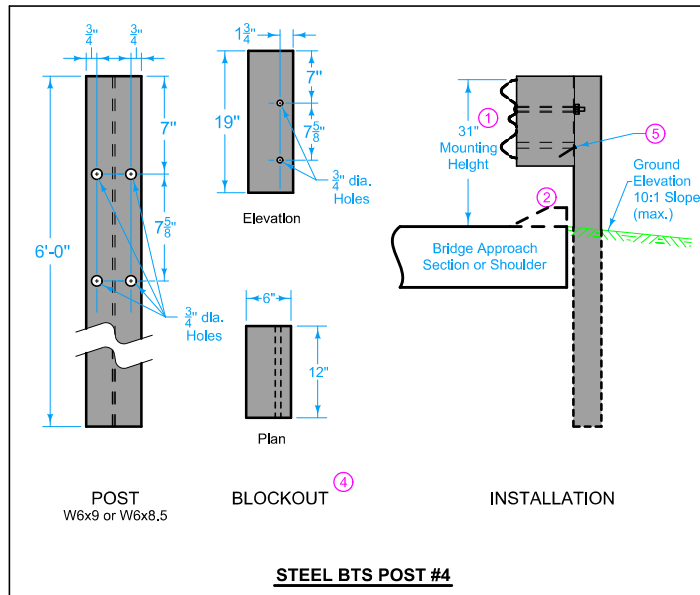
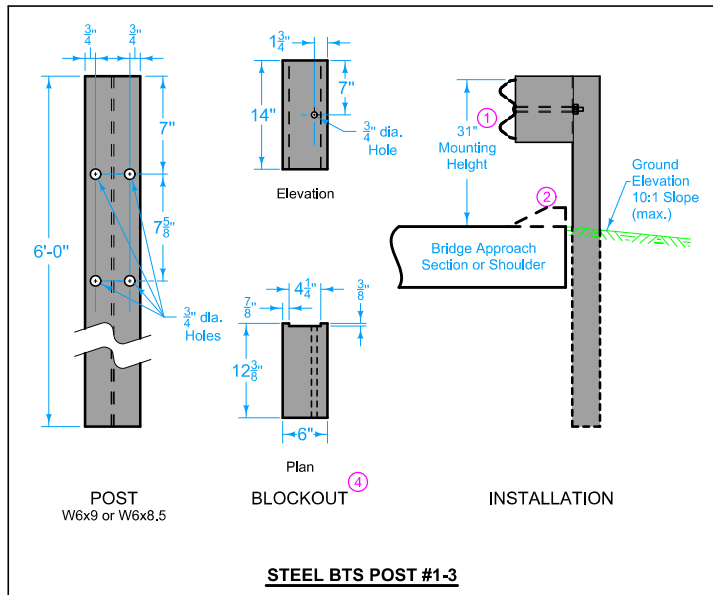
Possible Contract Item:
Steel Beam Guardrail Barrier Transition Section

Materials included in the Contract Item:

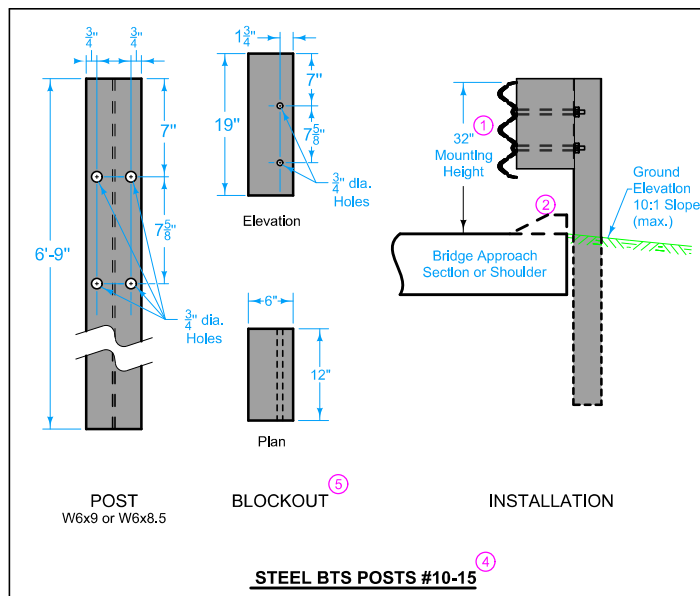
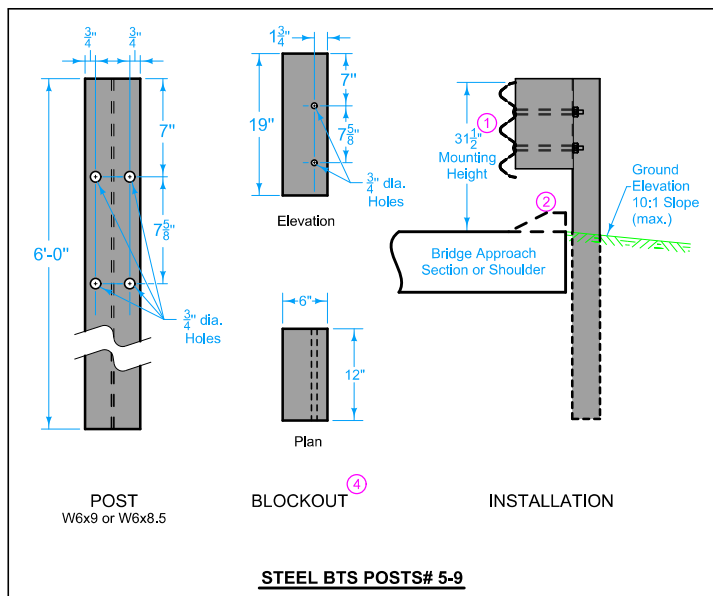
- Steel Post Option:
- (9) 6" x 8" x 6'-0" posts
 - (6) 6" x 8" x 6'-9" posts
 - (12) 6" x 12" x 19" blockouts
 - (3) 6" x 12" x 14" blockouts
- Wood Post Option:
- (9) 6" x 8" x 6'-0" posts
 - (6) 6" x 8" x 7'-0" posts
 - (12) 6" x 12" x 19" blockouts
 - (3) 6" x 12" x 14" blockouts
- (1) Asymmetrical 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

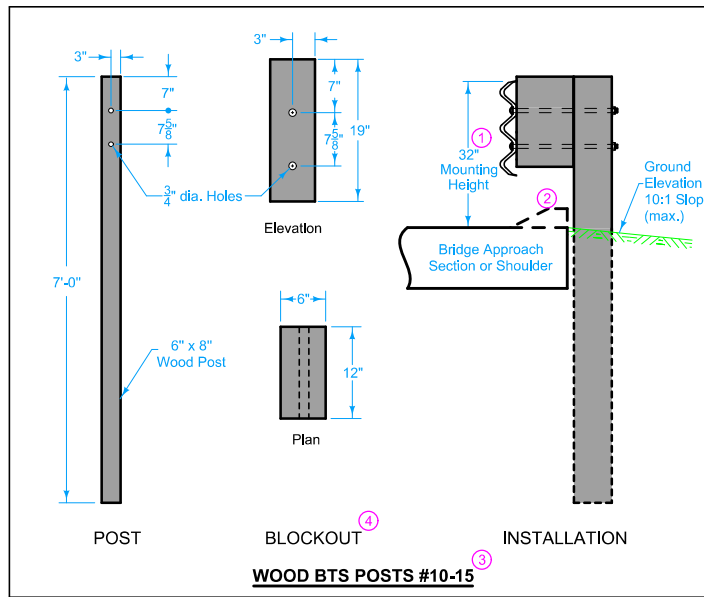
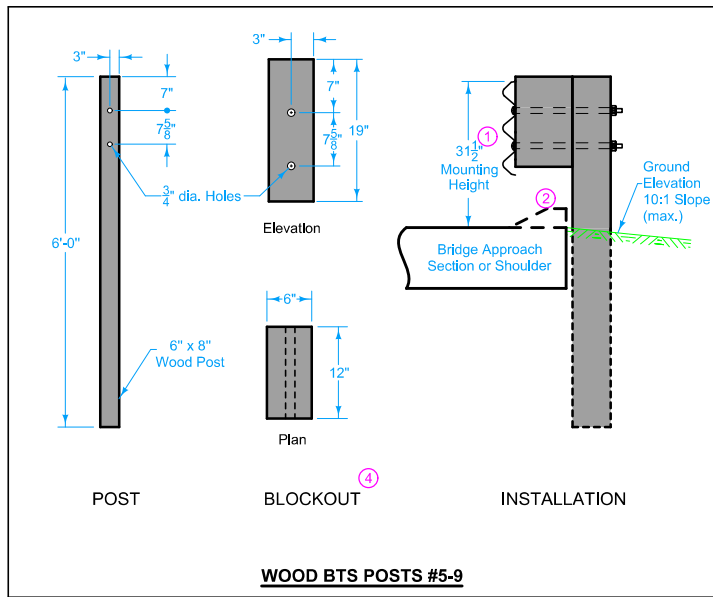
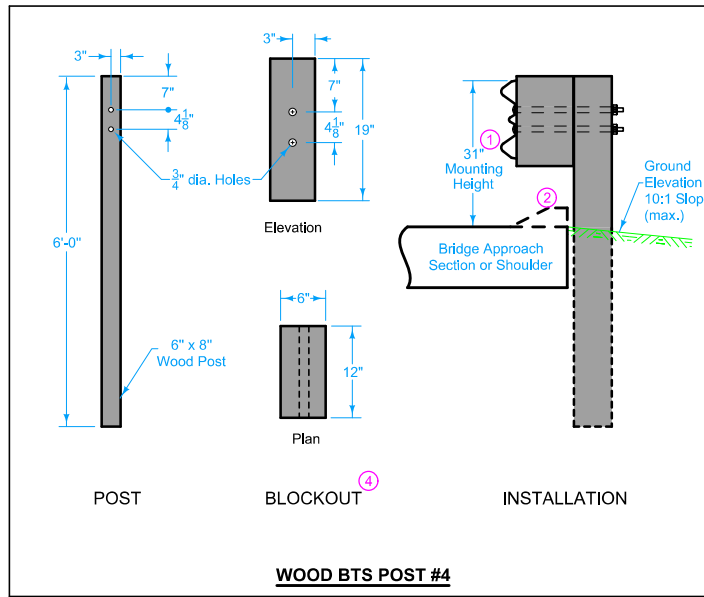
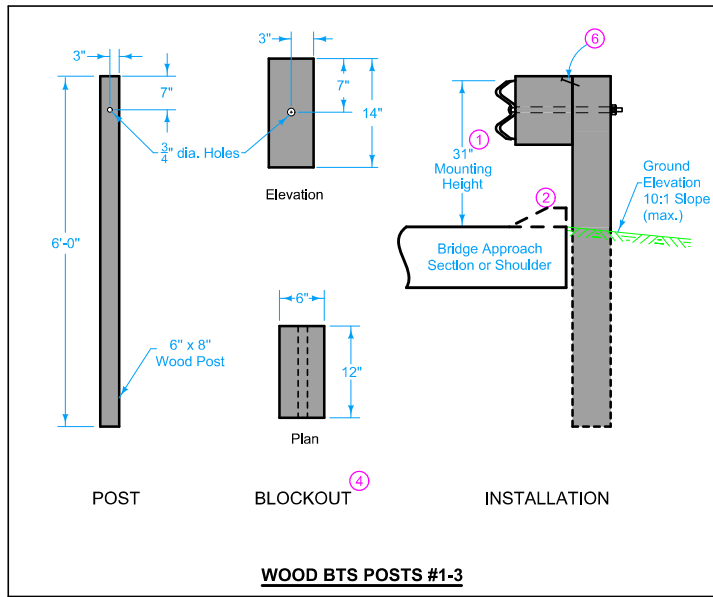
| | | |
|--|---------------------------|--------------|
| IOWA DOT | REVISION 3 04-19-16 | |
| | STANDARD ROAD PLAN | |
| BA-201 | | SHEET 1 of 3 |
| REVISIONS: Added steel post option. Changed top bolt hole location for wood post blockout. | | |
| <i>Brian Smith</i> APPROVED BY DESIGN METHODS ENGINEER | | |
| STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION | | |



- 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 16d nail through bolt hole to prevent blockout rotation.



| | | |
|--|---------------------------|--------------|
| IOWA DOT | REVISION | |
| | 3 | 04-19-16 |
| | STANDARD ROAD PLAN | |
| BA-201 | | SHEET 2 of 3 |
| REVISIONS: Added steel post option. Changed top bolt hole location for wood post blockout. | | |
| <i>Brian Smith</i> APPROVED BY DESIGN METHODS ENGINEER | | |
| STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION | | |



- 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.
- ⑥ 16d nail to prevent blockout rotation.

| | | |
|--|---------------------------|--|
| IOWA DOT | REVISION 3 04-19-16 | |
| | STANDARD ROAD PLAN | |
| | BA-201 | |
| SHEET 3 of 3 | | |
| REVISIONS: Added steel post option. Changed top bolt hole location for wood post blockout. | | |
| <i>Brian Smith</i> APPROVED BY DESIGN METHODS ENGINEER | | |
| STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION | | |