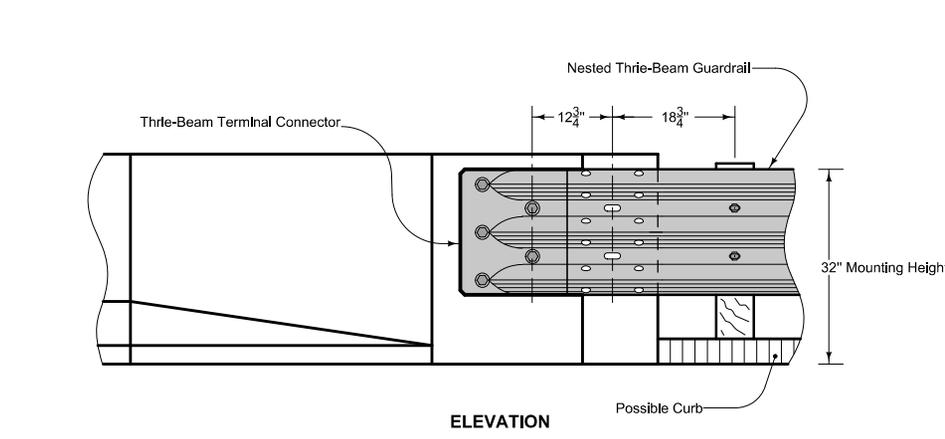
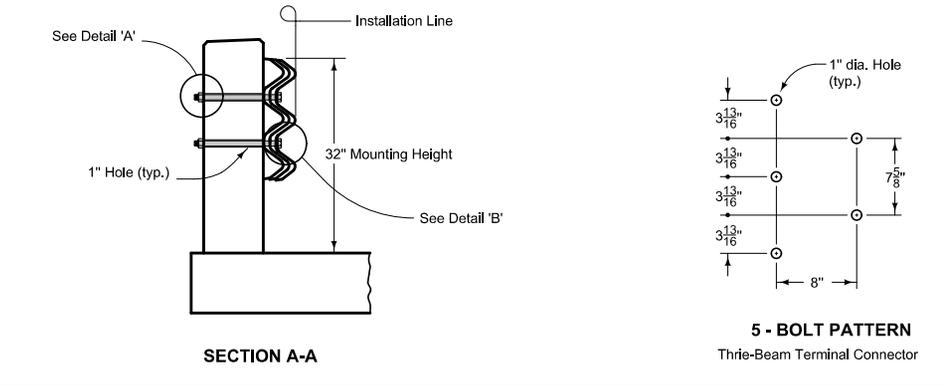


- ① See BA-201.
- ③ Lap the Terminal Connector on the outside of the nested thrie beam rails for attachments on the trailing end of a bridge.



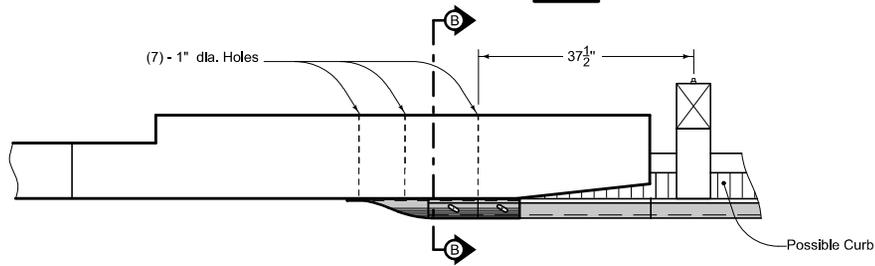
Possible Contract Item:
Steel Beam Guardrail End Anchor, Bolted

Materials included in the Contract Item:
Thrie-Beam Terminal Connector
Approved 7/8" x sufficient length Hex Bolts
Approved 7/8" Hex Nuts
Approved 15/16" Washers



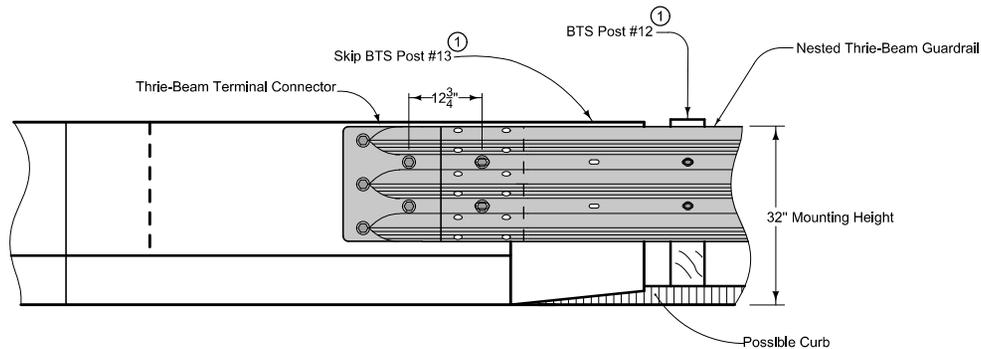
<p>Iowa Department of Transportation</p> <p>STANDARD ROAD PLAN</p> <p>REVISIONS: Added note to clarify lapping procedure for terminal section. Added bolt pattern details to sheet 2 and 3. Removed circle note 2.</p> <p><i>Deanna Maifield</i> APPROVED BY DESIGN METHODS ENGINEER</p>	REVISION 1 10-18-11
	<p>BA-202</p> <p>SHEET 1 of 3</p>
	<p>STEEL BEAM GUARDRAIL BOLTED END ANCHOR</p>

TYPE B

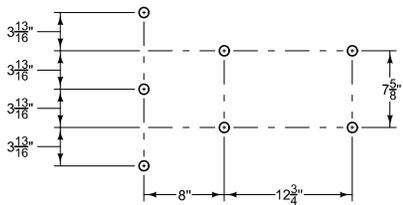


① See BA-201.

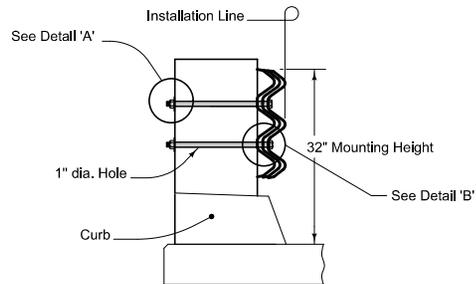
PLAN



ELEVATION



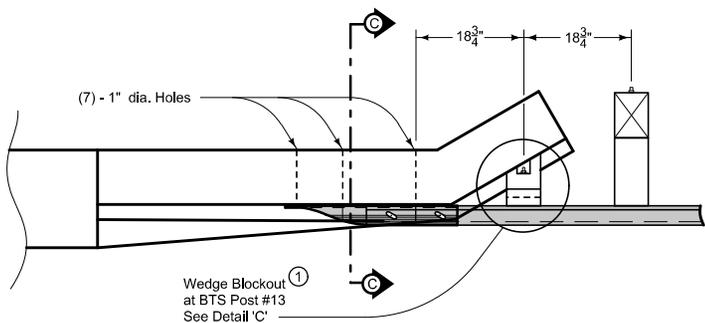
7 - BOLT PATTERN
Thrie - Beam Terminal Connector



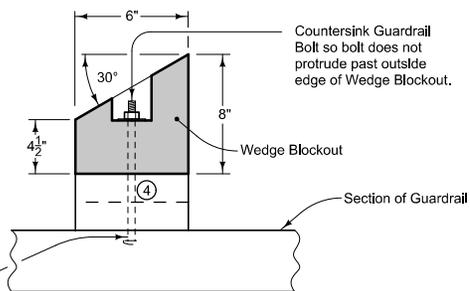
SECTION B-B

<p>Iowa Department of Transportation</p> <p>STANDARD ROAD PLAN</p> <p>REVISIONS: Added note to clarify lapping procedure for terminal section. Added bolt pattern details to sheet 2 and 3. Removed circle note 2.</p> <p><i>Deanna Maifield</i> APPROVED BY DESIGN METHODS ENGINEER</p>	<p>REVISION</p> <table border="1"> <tr> <td>1</td> <td>10-18-11</td> </tr> </table>	1	10-18-11
	1	10-18-11	
<p>BA-202</p> <p>SHEET 2 of 3</p>	<p>STEEL BEAM GUARDRAIL</p> <p>BOLTED END ANCHOR</p>		

TYPE C



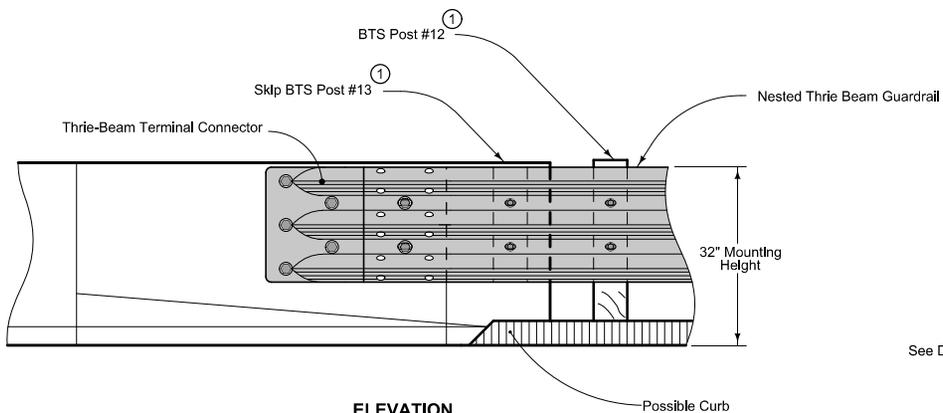
PLAN



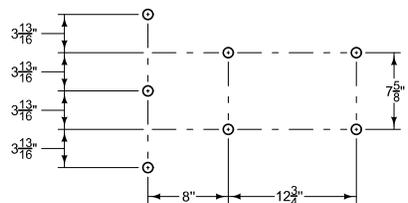
DETAIL 'C'

(2) Approximately 6" long Guardrail Bolts

- ① See BA-201.
- ④ Use treated spacer boards (1 in. x 6 in. or 2 in. x 6 in.) to produce a tight fit between the wedge blockout and endpost. A nominal 1 inch gap is acceptable. Spacer boards are incidental to bolted end anchor.

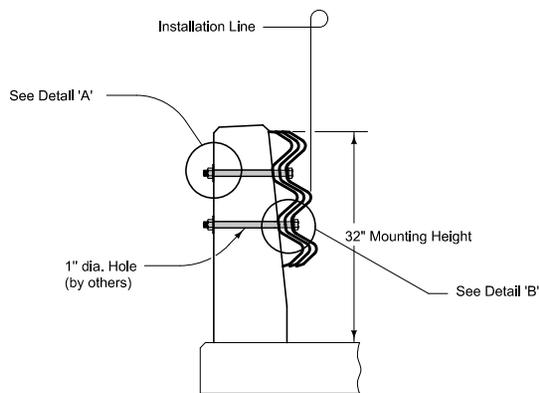


ELEVATION



7 - BOLT PATTERN

Thrie - Beam Terminal Connector



SECTION C-C

<p>Iowa Department of Transportation</p> <p>STANDARD ROAD PLAN</p> <p>REVISIONS: Added note to clarify lapping procedure for terminal section. Added bolt pattern details to sheet 2 and 3. Removed circle note 2.</p> <p><i>Deanna Maifield</i> APPROVED BY DESIGN METHODS ENGINEER</p>	REVISION	
	1	10-18-11
	BA-202	
SHEET 3 of 3		

**STEEL BEAM GUARDRAIL
BOLTED END ANCHOR**