Notes:

[A] Use 5" dia. forensic pin-type or other non-rust vandal resistant fastener with min. 3/8" dia. tie.

[B] At locations of approach guardrail with reflectors and end terminal with impact head object markers, do not install object markers.

[C] Use object markers for back to back mountings. On bridges where the distance between when guards is less than the approach width, install object markers vertically on side posts.

[D] When object marker is located 8' or less from shoulder or curb provide 4' minimum vertical clearance from near edge of traveled way to bottom of sign. When located more than 8' from shoulder or curb provide 4' minimum vertical clearance from ground to bottom of sign.

[E] Use 4" vertical clearance for anchor or breakaway base. Provide 4"x60" measurement above and below post located and back and ahead of post.

Type XI reflectors for Type II object markers.

Sheeting for Type III object markers and ASTM Type IV background sheeting with ASTM Type X-8 reflectors for Type II object markers.

When object markers are installed on guardrail where the distance of approach guardrail (back to back) is less than the approach width, install object markers vertically on guardrail.

Fastener (A):

- Washer and lock washer
- 8” dia. bolts with washer and lock washer or rivets
- 3” yellow reflective

Object Markers:

- Type II Object Markers
- Type III Object Markers
- Type III Object Markers Left
- Type III Object Markers Right
- Edge of shoulder

Perforated Tube Anchor Unit Assembly

U-Channel Anchor Unit Assembly

Steel Post Detail

Aluminum Post Detail

Fastener Detail

Object Marker Installation Detail

Pipe Culverts

- 10’ max
- Greater than 10’

Box Culverts

- 10’ max
- Greater than 10’

Bridges (B)