

**Figure 5-397.301**  
**Concrete Slope Paving Under Bridges**

Approved, and signed, September 26, 2003. Last date revised: November 08, 2018

**Revised 11-08-2018**

Under CONCRETE & REINFORCEMENT UNIT QUANTITIES:

- Changed the reinforcement pounds for numbered note ④ from 9.02 lbs. to 4,512 lbs.

**Revised 05-25-2016**

Throughout the Standard: Added an “E” extension to all the reinforcement bars to represent Epoxy Coated.

At LAYOUT FOR SLOPES AT ABUTMENTS WITH 8' OR GREATER EXPOSURE:

- Changed the side wall to abutment corners to a tapered meeting point for better drainage/erosion control.

At LAYOUT FOR SLOPES BETWEEN BRIDGES:

- Flared the top wall out to meet the wing walls for better drainage/erosion control.
- Changed the Top Wall note to “Grade to top of slope paving.”
- Added section C-C at flared portion of top wall.

Added “BROOMED SURFACE TREATMENT” detail to the standard.

At section C-C:

- Changed the thickness of the top wall to 1'-6" and adjusted the reinforcement accordingly.

Under CONCRETE & REINFORCEMENT UNIT QUANTITIES:

Changed the reinforcement pounds for numbered notes ①②③ and ④.

**Revised 09-11-2014**

At DETAIL “B” Abutments without Rustication

- Changed the note pointing to the rubber belting *From:* 18" wide, 1/4" thick reinforced rubber belting. Overlap splices 6" *To:* 16" wide by 1/8" min. thick reinforced rubber belting, gray in color, with no mold release. Overlap splices 6"
- Changed the note for the rubber belting attachment *From:* 1/4" dia. x 2 1/2" long threaded concrete anchors with 1 1/2" galvanized fender washers at 2'-0" maximum spacing. *To:* 1/4" dia. x 1 1/4" long stainless steel concrete screws with 1 1/2" stainless steel fender washers at 1'-0" maximum spacing.
- In the abutment to belting sealant note, changed the reference within the note *From:* “MnDOT 3722 or 3728” *TO:* “Spec. 3722 or 3728”
- Added a 1 1/2" dimension to show the distance from the top of the belting to the belting fasteners.
- Changed the dimension of the belting along the slope paving from 1'-0" ± to 10" ±

**Revised 04-17-2013**

This standard was updated to convert reinforcing bar marks from metric to U.S. customary bar designations.

**Revised 02-27-2013**

Changed detail name *from:* “Layout for Slopes at High Abutments” *to:* Layout for Slopes at Abutments with 8' or Greater Exposure”

At same detail:

- Removed the  $\triangle$  2'-0" dimension from the side of the abutment and added it to both sides of the slope paving with “Outside Face of Bridge Coping” note.
- Removed: The section D-D section arrows from the detail.

At section A-A:

- Removed the 2" dimension from the “Polystyrene type A or B.....” note.
- Removed the 2" dimension showing the polystyrene thickness.
- Changed note: See Detail “A” to See Detail “A” or “B”

Changed “DETAIL “A” Slope Paving as per Mn/DOT Spec. 2514” to “DETAIL “B” Abutments without Rustication”

- Changed the notes and dimensions in the detail as per the new Anchored Rubber Belting.

Changed detail name *from*: “SECTION D-D High Abutments with Rustication” to “DETAIL “A” Abutments with Rustication”

- Modified: Detail “A” *from* a sloped front face to a vertical front face.
- Removed the  $\frac{3}{4}$ ” dimension from the note pointing to the rustication groove.

Eliminated Section D-D “High Abutments Without Rustication”

Under GENERAL NOTES: Added note: “Slope Paving per Spec. 2514.”

Added the Designer Note regarding rustication and slope paving side walls.

At SECTION B-B:

- Added a bubbled note (referencing the Designer Note) at the 4” vertical dimension at the side wall.

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