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 © 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 © and ©.

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: ¼” dia. x 2 ½” long threaded concrete anchors with 1 ½” galvanized fender washers at 2'-0” maximum spacing. To: ¼” dia. x 1 ¼” long stainless steel concrete screws with 1 ½” 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 ½” 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 △ 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 ¾” 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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