

**Figure 5-397.138(B)**

**Concrete Barrier 36" (Type S, TL-4) Integral or Semi-Integral Abutment with Guardrail Connection (With 2" Concrete Wearing Course)**

Approved, and signed, August 24, 2016. Last date revised: May 10<sup>th</sup>, 2017

**Revised 05-10-2017**

At sheet title block:

Changed sheet title from "SINGLE SLOPE CONCRETE BARRIER 36" (TYPE S, TL-4)..." to "CONCRETE BARRIER 36" (TYPE S, TL-4)..."

At GENERAL NOTES:

Changed barrier weight and volume in second note from 530 Lbs/Ft (0.131 Cu. Yds/Ft.) to 513 Lbs/Ft (0.127 Cu. Yds/Ft.). Added circled note ④ "Match gutterline elevation."

At INSIDE ELEVATION OF BARRIER:

At Name Plate: Changed note from "See sheet No. 1 for location..." to "See sheet No. \_\_ for location..."

At CONTROL JOINT DETAILS:

Changed general note from "When using slip form method to place the concrete, cut joint 3 inches deep using margin trowel or similar means immediately after concrete placement (Typ. Three Sides)." to "For slipform construction: immediately after concrete is placed and while it still wet, create a one inch straight groove using a trowel. Insert rigid plastic extrusion into groove to a depth 1/8" below the surface; finish over groove completely hiding the extrusion."

Changed Section C-C subtitle from "Contractor Option 1" to "Cast-in-place Construction" and changed "Contractor Option 2" to "Slipform Construction".

At Section C-C Slipform Construction – Changed detail to use rigid plastic extrusion in lieu of radiused control joint.

At SECTION A-A:

Added dashed line to show coping at top of barrier.

At SECTION B-B:

Changed vertical dimension on front face of barrier from \*3'-0" to 3'-0"\*\*. Changed dimension at top of barrier from \*\*1'-6" to 1'-6"\*\*. Moved "10" Projection" note from back face of barrier to front face. Changed slope of concrete at base of the barrier. Added circled note ④. At base of barrier added "2" smooth" to front face and "2" smooth & level" to back face. Removed 8" edge of deck thickness dimension.

At END VIEW:

Moved "10" Projection" note from back face of barrier to front face. Changed slope of concrete at base of the barrier. Added circled note ④.

At VIEW F-F:

Moved back of barrier to be offset from edge of approach panel and changed the slope of the concrete under the barrier.

At Bar R501E, R502E, R503E:

Removed dimensions from the slanted vertical leg. Combined R502E & R503E vertical dimension. Added Designer Note regarding vertical leg length of bar R501E if deck slab thickness exceeds 9".

At Bar R504E, R505E, R506E:

Moved vertical leg dimensions from left side of bar to the right side of the bar.

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NEW STANDARD