

**Figure 5-397.167**

**Concrete Curb for Use With Ornamental Metal Railing**

Approved, and signed, November 06, 2013. Last date revised: August 24, 2016

**Revised 08-24-2016**

At INSIDE ELEVATION OF CONCRETE CURB – (Integral/semi-integral abutment option):

- Changed the lap length of the curb longitudinal bars from 2'-4" to 1'-11".

At INSIDE ELEVATION OF CONCRETE CURB – (Parapet abutment option):

- Changed the lap length of the curb longitudinal bars from 2'-4" to 1'-11".
- At left side of expansion joint – added joint in the curb to match the joint at the end of the end block. Added 1'-4" dimension, added note "Control Joint at End Block (End of Bridge)", added Designer Note "Increase Depending on Skew". Added one more 6" spacing of C402E bars.

At ABUTMENT TYPE Table

- Added bubble around the Designer Note beneath the table.

**Revised 05-25-2016**

Throughout the standard:

- Changed the curb height from 10" to 6".

At INSIDE ELEVATION OF CONCRETE CURB – (Integral/semi-integral abutment option):

- Changed all the curb ties from a number 5 bar size to a number 4.
- Changed the Saw Cut Gap dimension from 1/8" to 1/4".
- Added to the sub-title: (See Abutment Type Table Below)

At Section A-A:

- Removed one row of reinforcement and changed the curb ties from a number 5 bar size to a number 4.
- Changed the tie bar projection to 4". Also added numbered note ③ dimensioning longitudinal bars.
- Removed all reinforcement and notes within the outboard wingwall.

At Section B-B:

- Removed one row of reinforcement and changed the curb ties from a number 5 bar size to a number 4.
- Changed the tie bar projection to 4". Also added numbered note ③ dimensioning longitudinal bars.

Added: INSIDE ELEVATION OF CONCRETE CURB detail for the Parapet/Expansion Joint option.

Added: "OR MASH" to the end of the crash test level information note.

Added: A selection box for "ABUTMENT TYPE with designer note.

Changed: Bubbled designer note by adding or updating notes for Lighting, Anchorages, and Details not being used.

Updated: The Bar Bend details and Bill of Reinforcement to accommodate the curb height and bar size change.

Removed: Detail "A" from the standard

Under GENERAL NOTES:

- Changed the 2<sup>nd</sup> note to read: Measure payment length between the outside ends of the concrete curb.
- Changed 3<sup>rd</sup> note to: Concrete Curb = 81 LBS./FT. (0.020 CU. YDS./FT.)
- Changed within the 5th note: The wording "shall be" was changed to "is".

Added numbered note ③: To maximize clearances for anchorages, place top of outside longitudinal bars 2" from deck surface (typ.).

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NEW STANDARD