

Figure 5-397.166(B)

Concrete Parapet (Type P-1, TL-2) Integral or Semi-Integral Abutment (Without Concrete Wearing Course)

Re-approved, and signed, April 9, 2020.

Re-Approved 04-09-2020

General

- The primary changes in this re-approval include developing separate standards for the P-1 parapet for when it is mounted on a sidewalk and when it is mounted directly to the deck, and updating the end post geometry and reinforcement to connect to a Type 31 guardrail.
- Changed title block from “Concrete Parapet (Type P-1, TL-2) Parapet Abutment (Without Concrete Wearing Course)” to “Concrete Parapet (Type P-1, TL-2) Integral or Semi-Integral Abutment (Without Concrete Wearing Course)”.

Under GENERAL NOTES:

- Added new 2nd note “For slipform construction, tie 100% of the reinforcement bar intersections in the parapet.”
- Minor changes in the notes to update to active voice.

At INSIDE ELEVATION OF PARAPET:

- Added a designer note stating the minimum parapet length on an approach panel is 13’-4”.
- Changed the dimension to the first row of bolts in the guardrail connection from 1’-8” from the end of the parapet to 1’-10¾”.
- Updated the amount and spacing of reinforcement in the portion of the parapet on the approach panel.
- Updated the end post geometry to include a chamfer and tapered brush curb for use with a Type 31 guardrail.
- Added curb off the end of the parapet (dashed line) and added note “Approach curb required (see approach panel plans).”

Added SECTION E-E:

- Added a plan view showing the geometry & chamfers and the brush curb transition geometry at the end of the parapet.

At END VIEW:

- Updated the reinforcement and geometry to match the elevation view.

At SECTION B-B:

- Updated the reinforcement and geometry to match the elevation view.
- Removed old section C-C showing the parapet mounted on a raised sidewalk.

At Designer Notes:

- Updated the designer note on the left to include “Only use this parapet when the roadway design speed is 45 mph or less unless it is protected by a traffic barrier.” Also added “If guardrail connection is included, metal railing or fence on top of parapet must terminate at least 3’-0” away from the end of the parapet.” Added the new 13’-4” minimum length and new dowel requirements.
- Removed the designer note from the right side of the sheet.

Added ISOMETRIC VIEW:

- Added an isometric view showing the new tapered end post and guardrail connection geometry & chamfers and the concrete curb and brush curb transition geometry.

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At CONTROL JOINT DETAILS:

- Changed notes from “Typ. three sides” to “Typ. Top & sides”.

At GUARDRAIL CONNECTION DETAIL – SECTION A-A:

- Updated the plan view to show the chamfer on the end post.
- Corrected the length of the pipes.

Reinforcement Bend Details:

- Updated all of the reinforcement details and bends to match the updated design.

Bill of Reinforcement:

- Updated all of the reinforcement details and bends to match the updated design.

Approved, and signed, September 20, 2017.

Approved, and signed, September 20, 2017

A brand new standard plan sheet based on the 5-297.166(A) standard, but modified for use on parapet type abutments.

Approved, and signed, September 20, 2017

NEW STANDARD