

DESIGN BULLETIN #29/2005 (Revised October 2007)

Amendments to Typical Barrier Drawings Manual (TEB Designated Drawings)

Superseded January 2008 by Roadside Design Guide, November 2007

<http://www.infratrans.gov.ab.ca/3451.htm>

October 2007 Update to Design Bulletin #29/2005:

Drawing TEB 3.16a Rev.2 Supersedes TEB 3.16a Rev.1
Drawing TEB 3.16b Rev.2 Supersedes TEB 3.16b Rev.1
Drawing TEB 3.17a Rev.1 Supersedes TEB 3.17a
Drawing TEB 3.60-1 Rev.2 Supersedes TEB 3.60-1 Rev.1
Drawing TEB 3.60-2 Rev.2 Supersedes TEB 3.60-2 Rev.1
Drawing TEB 3.60-3 to 3.60-9 Rev.1 Supersedes TEB 3.60-3 to 3.60-9

June 2007 Update to Design Bulletin #29/2005:

Drawing TEB 3.01 Rev.2 Supersedes TEB 3.01 Rev.1
Drawing TEB 3.02 Rev.2 Supersedes TEB 3.02 Rev.1
Drawing TEB 3.03 Rev.3 Supersedes TEB 3.03 Rev.2
Drawing TEB 3.04 Rev.3 Supersedes TEB 3.04 Rev.2
Drawing TEB 3.10 Rev.1 Supersedes TEB 3.10
Drawing TEB 3.12 Rev.5 Supersedes TEB 3.12 Rev.4
Drawing TEB 3.70 Rev.3 Supersedes TEB 3.70 Rev.2

December 2005 Update to Design Bulletin #29/2005:

Drawing TEB 3.15a Rev.1 Supersedes TEB 3.15a
Drawing TEB 3.15b Rev.1 Supersedes TEB 3.15b
Drawing TEB 3.16a Rev.1 Supersedes TEB 3.16a
Drawing TEB 3.16b Rev.1 Supersedes TEB 3.16b

November 2005 Update to Design Bulletin #29/2005:

Drawing TEB 3.60-2 Rev.1 Supersedes TEB 3.60-2

September 2005 Update to Design Bulletin #29/2005:

Drawing TEB 3.06 Rev.2 Supersedes TEB 3.06 Rev.1
Drawing TEB 3.11a Rev.1 Supersedes TEB 3.11a
Drawing TEB 3.11b Rev.1 Supersedes TEB 3.11b

Summary

This Design Bulletin is being issued as an amendment to the Typical Barrier Drawings Manual (TEB designated drawings).

As indicated under Design Bulletin 24/2005, the Department has adopted the crash performance criteria as documented in the US National Co-operative Highway Research

Program (NCHRP) Report 350. New and revised typical drawing of barrier systems meeting these performance criteria's has been developed by the department and is being issued under this Design Bulletin.

Various existing and new typical drawings of the Alberta W-Beam Weak Post System has been revised and/or developed by the department and is also being issued under this Design Bulletin.

Copies of all new and revised drawings referenced in this Bulletin are available on the Department's web page and are attached below. The attached table summarizes amendments to the Typical Barrier Drawings Manual.

Key Changes

Changes to the department's typical barrier drawings include the following:

- W-Beam Guardrail Hardware requirements.
- Revised and/or new typical barrier drawings for W-Beam Weak Post and W-Beam Strong Post or Modified Thrie Beam guardrail placement at roadside and median hazards and at bridge approaches.
- New typical barrier drawings for the Bullnose Guardrail System. The guardrail system is based on a design that has been crash tested and meets the requirements of NCHRP 350 Test Level 3 (TL-3). The Bullnose Guardrail System is a non-proprietary system. For further details on the Bullnose Guardrail System, refer to Drawings TEB 3.60-1 to TEB 3.60-9.

The new and revised drawings as indicated in this Bulletin are to be implemented as per the usual practice. The decision to revise or not will be made at the discretion of the Project Sponsor.

Approval Date: June 24, 2005.

Revised Date (3): December 1, 2005

Revised Date (4): June 7, 2007

Revised Date (5): October 16, 2007

Conflicts Between Drawings

Where there are conflicts between drawings, the most recently approved or revised drawing should be used.

Contact

Contact: Bill Kenny, Technical Standards Branch, Alberta Infrastructure and Transportation.

Attachments

Refer to link for revised drawings.

http://www.infratrans.gov.ab.ca/INFTRA_Content/docType233/Production/trafbarr.htm

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