

CHAPTER 14
STANDARD DRAWING REVISION LOG

B14.1A Compression Seal Expansion Joint skew $\leq 10^\circ$

June 2006	Revised Note 11 reference to AASHTO M-297. AASHTO M-220 applies to pavement joints.
May 2014	Added galvanizing of armor angles to note 1.
March 2015	Revised note 12 for electronic shop drawings. Added names of recommended manufacturers to Table.
June 2018	Added “or approved equal” to recommended manufacturers Table.
Nov 2019	Revised format of Notes to active voice, imperative mood. Deleted installation width from Table and changed “depth” to “height”. Deleted seal coat from section A-A and Detail A.
Jan 2022	Changed Jersey Parapet to Single Slope Parapet in Typical Curb Seal detail. Converted sheet to ORD format.
June 2022	Deleted inch symbol from angle designation and weld size designation. Revised format of leader lines.
Oct 2023	Revised notes format for active voice, imperative mood and Writer’s Style Guide Revised reference to shop drawings in note 11 to subsection 105.02
Dec 2024	Changed name of “Detail A” to “Detail 1”.

B14.1B Compression Seal Expansion Joint skew $> 10^\circ$

June 2006	Revised Note 11 reference to AASHTO M-297. AASHTO M-220 applies to pavement joints.
May 2014	Added galvanizing of armor angles to note 1.
March 2015	Revised note 12 for electronic shop drawings. Added names of recommended manufacturers to Table.
June 2018	Added “or approved equal” to recommended manufacturers Table.
Nov 2019	Revised format of Notes to active voice, imperative mood. Deleted installation width from Table and changed “depth” to “height”. Deleted seal coat from section A-A and Detail A.
Jan 2022	Changed Jersey Parapet to Single Slope Parapet in Typical Curb Seal detail. Converted sheet to ORD format.
June 2022	Deleted inch symbol from angle designation and weld size designation. Revised format of leader lines.
Oct 2023	Revised notes format for active voice, imperative mood and Writer’s Style Guide. Revised reference to shop drawings in note 11 to subsection 105.02
Dec 2024	Changed name of “Detail A” to “Detail 1”.

B14.2 Strip Seal Expansion Joint

June 2006	Added reference in Note 2 for ASTM D-5973.
July 2010	Revised note 4 to add Federal Standard 595 color 36492.
June 2013	Deleted Note 4 for painting of exposed surfaces and specified galvanizing of extrusion in Note 1.
May 2014	Revised note 1 reference for galvanizing from ASTM A123 to AASHTO M111.
March 2015	Revised note 4 for electronic shop drawings. Added names of recommended manufacturers to Table. Corrected field weld symbol.

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Aug 2016	Changed welded splice to partial penetration groove weld in notes 5 & 8.
June 2018	Added “or approved equal” to recommended manufacturers Table.
Nov 2019	Revised format of Notes to active voice, imperative mood. Deleted installation width from Table. Changed ELEVATION to SECTION B-B.
Jan 2022	Changed Jersey Parapet to Single Slope Parapet in Section B-B. Converted sheet to ORD format.
June 2022	Deleted inch symbol from weld size designation. Revised format of leader lines.
Oct 2023	Revised notes format for active voice, imperative mood and Writer’s Style Guide Revised reference to shop drawings in note 4 to 105.02
Dec 2024	Removed the parentheses from the weld symbol in Section B-B and added “See Note 8” Changed the profile of the seal in Section A-A to match the recommended styles. Deleted “See Table (G)” from Section Thru Parapet since (G) is no longer shown in the Table. Added Style designation and Extrusion Type designation in Recommended Manufacturers Table.

B14.3 Modular Joint

Feb 2012	Added reference in Note 3 for Techstar MEJS joint.
May 2014	Revised note 7 to paint system A to agree with 2012 Standard Specifications. Added reference to Federal Standard Number 595.
March 2015	Revised note 9 for electronic shop drawings.
June 2018	Revised Note 3 for Techstar MEJS joint to meet fatigue test requirements to be approved.
Nov 2019	Revised format of Notes to active voice, imperative mood.
Jan 2022	Changed Jersey Parapet to Single Slope Parapet in Section B-B. Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Revised notes format for active voice, imperative mood and Writer’s Style Guide Revised reference to shop drawings in note 9 to 105.02

B14.4A 42” Single Slope Concrete Parapet Cover Plates

May 2014	Revised note 3 to paint system A to agree with 2012 Standard Specifications. Added reference to Federal Standard Number 595.
March 2015	Added note 5 for parapet cover plate assembly included in bid item S501-06A. Changed page number to B14.4A. Revised note 4 for electronic shop drawings.
Nov 2019	Revised format of Notes to active voice, imperative mood. Revised paint standard to AMS-STD-595.
Jan 2022	Changed sheet number from B14.4A to B14.4A-1 to create sheet B14.4A-2 for single slope parapet. Converted sheet to ORD format
June 2022	Deleted inch symbol from weld size designation. Revised format of leader lines.
Oct 2023	Revised notes format for active voice, imperative mood and Writer’s Style Guide Revised details for 42” single slope concrete parapet from 32” jersey parapet

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Renumbered sheet from B14-4A-1 to B14.4A

B14.4B-1 Two-Tube Curb Mount Rail Cover Plates

- March 2015 Added new sheet for 2-tube curb mounted rail.
Nov 2019 Revised format of Notes to active voice, imperative mood.
Jan 2022 Changed sheet number from B14.4B to B14.4B-1 to create sheet B14.4B-2 for 3-Tube rail.
Converted sheet to ORD format.
June 2022 Deleted inch symbol from weld size designation.
Changed name in title block from “Two-Tube” to “2-Tube”.
Revised format of leader lines.
Oct 2023 Deleted sheet.

B14.5 Silicone Sealant Joint

- Nov 2019 Changed ELEVATION to SECTION A-A.
Added Note for silicone sealant meeting ASTM C920.
Replaced reference to Dow-Corning 902 RCS to silicone sealant.
Jan 2022 Converted sheet to ORD format
June 2022 Revised format of leader lines.

B14.6 Asphaltic Plug Expansion Joint

- April 2008 Clarified note for sealing top of joint.
Sept 2012 Added Section B-B for a curb.
Added Note 1 to delete concrete waterproofing in plug joint area or provide a method to easily remove the waterproofing prior to placing the plug joint material.
Added Note 2 listing the requirements of ASTM C920 for the silicone sealant.
Nov 2019 Revised format of Notes to active voice, imperative mood.
Jan 2022 Changed Jersey Parapet to Single Slope Parapet in Section B-B w/Concrete Parapet.
Converted sheet to ORD format
June 2022 Revised format of leader lines.

B14.7A TFE/Stainless Steel Expansion Bearing – steel girder

- June 2006 Revised Note 1 for anchor bolts to conform to ASTM F-1554 Grade 36.
Revised Note 5 for stainless steel sheets to conform to ASTM A240. ASTM A167 moved the grades of steel to ASTM A-240.
Revised the minimum thickness of PTFE and minimum recess to conform to AASHTO Article 14.7.2.3.1.
Revised the temperature in the Expansion Bearing Plan to 60°F to be consistent with expansion joint temperature.
Added Note 14 for temperature adjustment.
April 2008 Intermediate steel plate thickness changed to “X” to match required design thickness.
Added requirement for dimpled lubricated PTFE sheets and certification testing.
March 2011 Changed silicone grease specification in Note 10 to SAE-AS8660 to conform to the 2010 LRFD Interim Revisions to Art. 14.7.2.1.
Changed Note 8 from “... to ensure that the minimum coefficient of friction for the bearing

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	meets the AASHTO Specifications” to “... to ensure that the friction actually achieved in the bearing meets the assumed design value xxx”.
June 2013	Corrected \pm symbol in Section A-A. Changed the pay item in Note 6 to S501-55A. Corrected reference to grout in Note 11 to 705.02.
March 2015	Revised note 12 for electronic shop drawings.
Nov 2019	Revised format of Notes to active voice, imperative mood. Specified topcoat color 20122 of AMS-Std-595 in Note 9. Changed reference in Note 7 from AASHTO LRFD Bridge Construction Section 18 to 720.02.
Jan 2022	Converted sheet to ORD format
June 2022	Deleted inch symbol from weld size designation. Revised format of leader lines.
Oct 2023	Revised notes format for active voice, imperative mood and Writer’s Style Guide Revised reference to shop drawings in note 12 to 05.02 Split note 13 into notes 13 & 14
Dec 2024	Changed name of “Detail A” to “Detail 1”.

B14.7B TFE/Stainless Steel Expansion Bearing – concrete girder

June 2006	Revised Note 1 for anchor bolts to conform to ASTM F-1554 Grade 36. Revised Note 5 for stainless steel sheets to conform to ASTM A240. ASTM A167 moved the grades of steel to ASTM A-240. Revised the minimum thickness of PTFE and minimum recess to conform to AASHTO Article 14.7.2.3.1. Revised the temperature in the Expansion Bearing Plan to 60°F to be consistent with expansion joint temperature. Added Note 14 for temperature adjustment.
April 2008	Intermediate steel plate thickness changed to “X” to match required design thickness. Added requirement for dimpled lubricated PTFE sheets and certification testing.
March 2011	Changed silicone grease specification in Note 10 to SAE-AS8660 to conform to the 2010 LRFD Interim Revisions to Art. 14.7.2.1. Changed Note 8 from “... to ensure that the minimum coefficient of friction for the bearing meets the AASHTO Specifications” to “... to ensure that the friction actually achieved in the bearing meets the assumed design value xxx”.
June 2013	Corrected \pm symbol in Section A-A. Changed the pay item in Note 6 to S501-55A. Corrected reference to grout in Note 11 to 705.02.
March 2015	Revised note 12 for electronic shop drawings.
Nov 2019	Revised format of Notes to active voice, imperative mood. Specified topcoat color 26492 of AMS-Std-595 in Note 9. Changed reference in Note 7 from AASHTO LRFD Bridge Construction Section 18 to 720.02.
Jan 2022	Converted sheet to ORD format
June 2022	Deleted inch symbol from weld size designation. Revised format of leader lines.
Oct 2023	Revised notes format for active voice, imperative mood and Writer’s Style Guide

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Dec 2024 Revised reference to shop drawings in note 12 to 105.02
Split note 13 into notes 13 & 14
Changed name of “Detail A” to “Detail 1”.