

**CHAPTER 2**  
**STANDARD DRAWING REVISION LOG**

**B2.1A Approach Slab Details Sheet 1– Asphalt Pavement**

|            |   |
|------------|---|
| March 2011 | Added 20' length of approach slab in Section C-C.<br>Revised pay limits in Section C-C to comply with 502.04.<br>Revised dead man to an “L” shape.  |
| Sept 2012  | Revised Note 5 to list the requirements of ASTM C920 for the silicone sealant joint and deleted the references to Dow Corning & Watson Bowman.<br>Added Detail C for limits of ¾” base material.<br>Revised Note 1 to provide ¾” base material to the limits shown in Detail C. |
| June 2013  | Deleted “Sleeper Beam” reference from note in View D-D.<br>Changed Note 4 to Class 40AF concrete.   |
| May 2014   | Split details into 2 sheets by adding sheet B2.II<br>Changed abutment dowels to GFRP bars.  |
| Aug 2016   | Deleted 16” dimension in Section A-A for thickness of wingwall & joint filler.  |
| Jan 2022   | Labeled AS6 bars in PLAN.<br>Added Subgrade Separation Geotextile Type 1 in Section C-C.<br>Changed Jersey Parapet to Single Slope Parapet in Section A-A & Section B-B.<br>Converted sheet to ORD format.  |
| June 2022  | Revised format of leader lines.   |
| Oct 2023   | Deleted sheet.  |

**B2.1B Approach Slab Details Sheet 1– Asphalt Pavement**

|            |   |
|------------|---|
| March 2011 | Added 20' length of approach slab in Section C-C.<br>Revised pay limits in Section C-C to comply with 502.04.<br>Revised deadman to an “L” shape.   |
| Sept 2012  | Revised Note 5 to list the requirements of ASTM C920 for the silicone sealant joint and deleted the references to Dow Corning & Watson Bowman.<br>Added Detail C for limits of ¾” base material.<br>Revised Note 1 to provide ¾” base material to the limits shown in Detail C. |
| June 2013  | Deleted “Sleeper Beam” reference from note in View D-D.<br>Changed Note 4 to Class 40AF concrete.   |
| May 2014   | Split details into 2 sheets by adding sheet B2.II<br>Changed abutment dowels to GFRP bars.  |
| Aug 2016   | Deleted 16” dimension in Section A-A for thickness of wingwall & joint filler.<br>Changed Section C-C in the PLAN to a longitudinal section.<br>Denoted dimensions in Section C-C as perpendicular to abutment.   |
| Oct 2017   | Show location of View D-D in the PLAN.  |
| Jan 2022   | Labeled AS6 bars in PLAN.<br>Added Subgrade Separation Geotextile Type 1 in Section C-C.<br>Changed Jersey Parapet to Single Slope Parapet in Section A-A & Section B-B.<br>Converted sheet to ORD format.  |
| June 2022  | Changed skew angle in title block from <20° to <45°.<br>Added note “For skew between 25°-38°(left forward) use 0° skew at sleeper beam to avoid conflict with snow plow blades.”<br>Revised format of leader lines.   |
| Oct 2023   | Deleted sheet   |

**B2.1C Approach Slab Details Sheet 1– Concrete Pavement**

|            |   |
|------------|---|
| March 2011 | Revised pay limits in Section C-C to comply with 502.04.<br>Revised depth of concrete pavement notch in deadman to allow for variable depth pavement.   |
| Sept 2012  | Revised Note 5 to list the requirements of ASTM C920 for the silicone sealant joint and deleted the references to Dow Corning & Watson Bowman.<br>Added Detail C for limits of ¾” base material.<br>Revised Note 1 to provide ¾” base material to the limits shown in Detail C. |
| June 2013  | Deleted “Sleeper Beam” reference from note in View D-D.<br>Changed Note 4 to Class 40AF concrete.   |

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May 2014 Split details into 2 sheets by adding sheet B2.II  
Changed abutment dowels to GFRP bars.  
Aug 2016 Deleted 16" dimension in Section A-A for thickness of wingwall & joint filler.  
Jan 2022 Labeled AS6 bars in PLAN.  
Added Subgrade Separation Geotextile Type 1 in Section C-C.  
Changed Jersey Parapet to Single Slope Parapet in Section A-A & Section B-B.  
Converted sheet to ORD format.  
June 2022 Revised format of leader lines.  
Oct 2023 Deleted sheet

**B2.1D Approach Slab Details Sheet 1– Concrete Pavement**

March 2011 Revised pay limits in Section C-C to comply with 502.04.  
Revised depth of concrete pavement notch in deadman to allow for variable depth pavement.  
Sept 2012 Revised Note 5 to list the requirements of ASTM C920 for the silicone sealant joint and deleted the references to Dow Corning & Watson Bowman.  
Added Detail C for limits of ¾" base material.  
Revised Note 1 to provide ¾" base material to the limits shown in Detail C.  
June 2013 Deleted "Sleeper Beam" reference from note in View D-D.  
Revised Note 2 to place transverse reinforcement perpendicular to centerline of roadway.  
Changed Note 4 to Class 40AF concrete.  
May 2014 Split details into 2 sheets by adding sheet B2.II  
Changed abutment dowels to GFRP bars.  
Aug 2016 Deleted 16" dimension in Section A-A for thickness of wingwall & joint filler.  
Denoted dimensions in Section C-C as perpendicular to abutment.  
Jan 2022 Labeled AS6 bars in PLAN.  
Added "1 Set" to AS1, AS5, AS2B, AS2C.  
Added Subgrade Separation Geotextile Type 1 in Section C-C.  
Converted sheet to ORD format.  
June 2022 Revised format of leader lines.  
Oct 2023 Deleted sheet

**B2.1E Approach Slab Details Sheet 1– Asphalt Pavement**

March 2011 Added 20' length of approach slab in Section C-C.  
Revised pay limits in Section C-C to comply with 502.04.  
Revised deadman to an "L" shape.  
Sept 2012 Revised Note 5 to list the requirements of ASTM C920 for the silicone sealant joint and deleted the references to Dow Corning & Watson Bowman.  
Added Detail C for limits of ¾" base material.  
Revised Note 1 to provide ¾" base material to the limits shown in Detail C.  
June 2013 Deleted "Sleeper Beam" reference from note in View D-D.  
Located Begin/End of bridge at stream face of abutment backwall.  
Changed Note 4 to Class 40AF concrete.  
May 2014 Split details into 2 sheets by adding sheet B2.II  
March 2015 Changed reference to sleeper beam joint to Detail B.  
Aug 2016 Deleted 16" dimension in Section A-A for thickness of wingwall & joint filler.  
Jan 2022 Labeled AS6 bars in PLAN.  
Added Subgrade Separation Geotextile Type 1 in Section C-C.  
Converted sheet to ORD format.  
June 2022 Revised format of leader lines.  
June 2023 Deleted sheet

**B2.1F Approach Slab Details Sheet 1– Asphalt Pavement**

March 2011 Added 20' length of approach slab in Section C-C.  
Revised pay limits in Section C-C to comply with 502.04.  
Revised deadman to an "L" shape.

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|            |  |
|------------|--|
| Sept 2012  | Revised Note 5 to list the requirements of ASTM C920 for the silicone sealant joint and deleted the references to Dow Corning & Watson Bowman.<br>Added Detail C for limits of ¾" base material.   |
| June 2013  | Revised Note 1 to provide ¾" base material to the limits shown in Detail C.<br>Deleted "Sleeper Beam" reference from note in View D-D.<br>Located Begin/End of bridge at stream face of abutment backwall.<br>Changed Note 4 to Class 40AF concrete. |
| May 2014   | Split details into 2 sheets by adding sheet B2.II  |
| March 2015 | Changed reference to sleeper beam joint to Detail B.   |
| Aug 2016   | Deleted 16" dimension in Section A-A for thickness of wingwall & joint filler.<br>Changed Section C-C in the PLAN to a longitudinal section.<br>Denoted dimensions in Section C-C as perpendicular to abutment.                                      |
| Oct 2017   | Show location of View D-D in the PLAN.   |
| Jan 2022   | Labeled AS6 bars in PLAN.<br>Added Subgrade Separation Geotextile Type 1 in Section C-C.<br>Converted sheet to ORD format.   |
| June 2022  | Revised format of leader lines.  |
| Oct 2023   | Deleted sheet  |

**B2.1G Approach Slab Details Sheet 1– Concrete Pavement**

|            |   |
|------------|---|
| March 2011 | Revised pay limits in Section C-C to comply with 502.04.<br>Revised depth of concrete pavement notch in deadman to allow for variable depth pavement.   |
| Sept 2012  | Revised Note 5 to list the requirements of ASTM C920 for the silicone sealant joint and deleted the references to Dow Corning & Watson Bowman.<br>Added Detail C for limits of ¾" base material.<br>Revised Note 1 to provide ¾" base material to the limits shown in Detail C. |
| June 2013  | Deleted "Sleeper Beam" reference from note in View D-D.<br>Located Begin/End of bridge at stream face of abutment backwall.<br>Changed Note 4 to Class 40AF concrete.   |
| May 2014   | Split details into 2 sheets by adding sheet B2.II   |
| March 2015 | Changed reference to sleeper beam joint to Detail B.  |
| Aug 2016   | Deleted 16" dimension in Section A-A for thickness of wingwall & joint filler.  |
| Jan 2022   | Labeled AS6 bars in PLAN.<br>Added Subgrade Separation Geotextile Type 1 in Section C-C.<br>Converted sheet to ORD format.  |
| June 2022  | Revised format of leader lines.   |
| Oct 2023   | Deleted sheet   |

**B2.1H Approach Slab Details – Concrete Pavement**

|            |   |
|------------|---|
| March 2011 | Revised pay limits in Section C-C to comply with 502.04.<br>Revised depth of concrete pavement notch in deadman to allow for variable depth pavement.   |
| Sept 2012  | Revised Note 5 to list the requirements of ASTM C920 for the silicone sealant joint and deleted the references to Dow Corning & Watson Bowman.<br>Added Detail C for limits of ¾" base material.<br>Revised Note 1 to provide ¾" base material to the limits shown in Detail C. |
| June 2013  | Deleted "Sleeper Beam" reference from note in View D-D.<br>Located Begin/End of bridge at stream face of abutment backwall.<br>Revised Note 2 to place transverse reinforcement perpendicular to centerline of roadway.<br>Changed Note 4 to Class 40AF concrete.               |
| May 2014   | Split details into 2 sheets by adding sheet B2.II   |
| March 2015 | Changed reference to sleeper beam joint to Detail B.  |
| Aug 2016   | Deleted 16" dimension in Section A-A for thickness of wingwall & joint filler.  |
| Jan 2022   | Labeled AS6 bars in PLAN.<br>Added "1 Set" to AS1, AS5, AS2B, AS2C.<br>Added Subgrade Separation Geotextile Type 1 in Section C-C   |

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June 2022 Revised format of leader lines.  
Oct 2023 Deleted sheet

**B2.1A Approach Slab Details Sheet 1– No skew**

Oct 2023 Created new sheet 1 for no skew  
Added bar dimensions for AS4 and AS6 bars.  
Changed all references from “bottom” to “bot”.  
Added “max” to spacing of bars where dimension may vary  
Moved sleeper beam and abutment details to new sheet 3.  
Changed subgrade separation geotextile under the approach slab to a polyethylene sheet.  
Changed the pay limits to begin/end approach slab.

**B2.1B Approach Slab Details Sheet 1–Skewed**

Oct 2023 Created new sheet 1 for skew with the sleeper beam perpendicular to the roadway centerline for both asphalt and concrete pavement.  
Added bar dimensions for AS4 and AS6 bars.  
Changed all references from “bottom” to “bot”.  
Added “max” to spacing of bars where dimension may vary  
Moved sleeper beam and abutment details to new sheet  
Changed subgrade separation geotextile under the approach slab to a polyethylene sheet.  
Changed the pay limits to begin/end approach slab.

**B2.1C Approach Slab Details – Sheet 2**

Dec 2014 Created new sheet  
Sept 2016 Moved expansion joint pay item from note 6 in Approach Slab to new note 5 for Expansion Joint.  
Changed hot pour sealant reference to subsection 704.03. The 2015 Supplemental Specifications changed the reference from ASTM D3406 to ASTM D 6690, Type III.  
June 2018 Added “or approved equal” to Recommended Manufacturer Table.  
Nov 2019 Deleted “Installation Width” from table.  
Deleted Expansion Joint Note 2.  
Deleted “between face of curbs” from Expansion Joint Note 3.  
Changed pay item from S501-06A to 566-005A in Expansion Joint Note 5 to agree with 2018 Standard Specifications.  
Renumbered Expansion Joint Notes.  
Changed “Depth” to “height” in Joint Table.  
Revised format of approach slab notes to active voice, imperative mood.  
Revised format of expansion joint notes to active voice, imperative mood.  
Sep 2020 Revised note 1 to add “The cost of the material is incidental to bid item 502-435A”.  
May 2021 Revised Note 5 to specify subgrade separation geotextile Type 1.  
Changed reference in Detail A to “compression seal expansion joint”.  
Jan 2022 Deleted “Range Width” from joint table.  
Converted sheet to ORD format  
June 2022 Revised format of leader lines.  
Oct 2023 Renamed B2.1I to B2.1C  
Revised notes to meet active voice, imperative mood and Writer’s Style Guide.  
Added subgrade separation geotextile type I under the ¾” base material.  
Added approximate quantities of ¾” base material and subgrade separation geotextile type I.  
Added “Nominal” to seal size in the joint table.  
Changed name of joint in Detail A from “Compression Seal Expansion Joint” to “Bonded Preformed Joint”.

**B2.1D Approach Slab Details – Sheet 3**

Oct 2023 Created new sheet with sleeper beam and abutment joint details.

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**B2.2A Bridge Drain Details – Type 1**

Nov 2019 Changed Concrete Class 40A to 40AF.  
Changed AASHTO M111 to ASTM A123 in Note 1.  
Changed AASHTO M-270 Gr 36 to ASTM A709 Gr 36 in Note 5.  
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 Removed inch symbol from weld symbol and HSS designation.  
Revised format of leader lines.

Oct 2023 Revised notes to meet active voice, imperative mood and Writer’s Style Guide.  
Deleted inch symbol from weld symbol in Section C-C.

**B2.2B Bridge Drain Details – Type 2**

March 2015 Revised note 3 for electronic shop drawings.

Nov 2019 Changed Concrete Class 40A to 40AF.  
Changed AASHTO M111 to ASTM A123 in Note 1.  
Changed AASHTO M-270 Gr 36 to ASTM A709 Gr 36 in Note 5.  
Revised format of notes to active voice, imperative mood.

Jan 2022 Changed Jersey parapet to Single Slope Parapet in Section A-A.  
Converted sheet to ORD format.

June 2022 Removed inch symbol from weld symbol and HSS designation.  
Revised format of leader lines.

Oct 2023 Revised notes to meet active voice, imperative mood and Writer’s Style Guide.

**B2.2C-1 Type 3 Bridge Drain Through Jersey Parapet**

Aug 2016 Changed title of drawing to Type 3 Bridge Drain Through Parapet.

Nov 2109 Changed cost of drain to be incidental to prestressed girder bid item.  
Changed AASHTO M111 to ASTM A123 in Note 1.  
Revised format of notes to active voice, imperative mood.

Jan 2022 Converted sheet to ORD format.

June 2022 Removed slope of deck from Sections A-A.  
Removed inch symbol from HSS designation.  
Revised format of leader lines.

Oct 2023 Deleted sheet.

**B2.2C Type 3 Bridge Drain Through Single Slope Parapet**

Jan 2022 Added new sheet in ORD format.

June 2022 Removed slope of deck from Sections A-A.  
Removed inch symbol from HSS designation.  
Revised format of leader lines.

Oct 2023 Revised notes to meet active voice, imperative mood and Writer’s Style Guide.  
Renamed B2.2C-2 to B2.2C.

**B2.3 Slope Paving Standard**

Oct 2017 Deleted reference to SSP-653 in note 1 since SSP-653 has been deleted.

Nov 2019 Revised format of notes to active voice, imperative mood.

Jan 2022 Converted sheet to ORD format.

June 2022 Revised format of leader lines.

Oct 2023 Revised note 1 for sterilization to refer to SSP 653 – Vegetation Control Group C and cost is incidental to pay item 623-005A.  
Combined notes 3 & 4 into note 3.

**B2.4A Utility Hangars for Prestressed Girders**

June 2006 Added new standard drawing for attaching water, sewer, and gas lines to new bridges.

May 2014 Changed reference to AASHTO M183 for the steel bar to ASTM A36. AASHTO M183 has been withdrawn.

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Aug 2016 Revised step 3 note in Detail A to “turn inner nut snug tight”.  
Jan 2022 Added notes for fabric pads.  
Converted sheet to ORD format.  
June 2022 Removed inch symbol from weld symbol and angle designation.  
Revised format of leader lines.  
Oct 2023 Revised notes to meet active voice, imperative mood and Writer’s Style Guide  
Renamed sheet B2.4A from B2.4A-1.

**B2.4B Utility Hangars for Prestressed Girders**

June 2006 Added new standard drawing for attaching power, and communication lines to new bridges  
Feb 2012 Added note 4 for list of concrete inserts.  
Added nut to bottom plate in Multiple Utility Pipe detail.  
Nov 2019 Revised format of notes to active voice, imperative mood.  
Jan 2022 Renumbered sheet from B2.4B to B2.4A-2.  
Converted sheet to ORD format.  
June 2022 Revised format of leader lines.  
Oct 2023 Revised Intermediate Diaphragm details to show 6” diameter Sch. 40 PVC inserts for 4” diameter Sch 80 PVC conduit, dimensions from bottom of deck to centerline conduits, and horizontal & vertical dimensions of conduit spacing.  
Specified 4” diameter Sch 80 PVC conduit for the Multiple Utility detail and renamed the detail “Utility Hanger Detail.”  
Specified PVC conduit and junction box in the Approach Slab Partial End Diaphragm Plan.  
Added Section A-A to show detail for conduit under sleeper beam using steel conduit and sweeping conduit under sleeper beam.  
Added and revised Notes.  
Renamed sheet B2.4B from B2.4A-2

**B2.5 Railroad Details**

Sept 2012 Added new standard drawing for railroad shoring details and clearances.  
June 2013 Revised minimum construction clearance to 21’-6” to meet railroad standards.  
Added UPRR & BNSF horizontal clearances to Figure 1.  
Oct 2017 Changed horizontal clearance to 15’-0” in Figure 1 to meet railroad standards.  
Nov 2019 Revised Railroad Clearance diagram to comply with latest UPRR/BNSF Guidelines.  
Changed limits for no excavation and no shoring to 15’-0”.  
Revised format of General Notes to active voice, imperative mood.  
Revised format of Notes to active voice, imperative mood.  
Revised format of Railroad Construction Notes to active voice, imperative mood.  
Jan 2022 Converted sheet to ORD format.  
June 2022 Revised shoring diagram to agree with Railroad Shoring Guidelines.  
Revised format of leader lines.  
Oct 2023 Revised notes to meet active voice, imperative mood and Writer’s Style Guide.