



STATE OF DELAWARE  
**DEPARTMENT OF TRANSPORTATION**  
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JENNIFER COHAN  
SECRETARY

TO: Current Holders of the Standard Construction Details

FROM: Mr. James Pappas  
Deputy Director

DATE: December 19, 2018

RE: **2018 Standard Construction Details Update**

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Attached is the 2018 update for the Standard Construction Details that are assigned to you. Please replace the sheets in your set with those attached. Below is a list of the changes in this revision:

- **General Changes**
  - We are continuing to remove the metric dimensions for all sheets as they are revised
  - We are beginning to switch all notes over to the “Active Voice” to match the rewriting of the Standards Specifications Manual.
- **Detail B-1, Sheet 1 – Guardrail Applications (Types 1-31, 2-31, and 3-31)**
  - Flare rate of the 40 MPH Design Speed updated to be consistent with the current edition of the AASHTO Roadside Design Guide.
  - Required clearance to obstruction from the back of the post updated so the obstruction is out of the area of dynamic deflection.
- **Detail B-1, Sheet 3 – Guardrail Applications (Types 1-31, 2-31, and 3-31)**
  - Required clearance to obstruction from the back of the post updated so the obstruction is out of the area of dynamic deflection.
  - The Guardrail Section Behind Curb Application has been updated to reflect the current edition of the AASHTO Roadside Design Guide.
- **Detail B-2, Sheet 1 – Grading for Guardrail End Treatments (Types 1, 2, and 3)**
  - The Length of Need dimension has been removed.
- **Detail B-2, Sheet 2 – Grading for Guardrail End Treatments (Types 1, 2, and 3)**
  - The Length of Need dimension has been removed.

- **Detail B-13, Sheet 2 – Hardware**
  - Note 3 has been updated.
- **Detail C-1, Sheet 3 – P.C.C. Curb and Integral P.C.C. Curb & Gutter**
  - This sheet has been updated in accordance with the 2018 version of the Pedestrian Accessibility Manual.
- **Detail C-2, Sheet 1 – Curb Ramps**
  - This sheet has been updated in accordance with the 2018 version of the Pedestrian Accessibility Manual.
- **Detail C-2, Sheet 2 – Curb Ramps**
  - This sheet has been updated in accordance with the 2018 version of the Pedestrian Accessibility Manual.
- **Detail C-2, Sheet 3 – Curb Ramps**
  - This sheet has been updated in accordance with the 2018 version of the Pedestrian Accessibility Manual.
- **Detail C-3, Sheet 1 – Entrances**
  - This sheet has been updated in accordance with the 2018 version of the Pedestrian Accessibility Manual.
- **Detail D-1, Sheet 1 – 6:1 Safety End Structure**
  - The sheet name has been updated so as not to be in conflict with new detail sheet D-11.
- **Detail D-1, Sheet 2 – 6:1 Safety End Structure**
  - The sheet name has been updated so as not to be in conflict with new detail sheet D-11.
- **Detail D-2, Sheet 1 – 10:1 Safety End Structure**
  - The sheet name has been updated so as not to be in conflict with new detail sheet D-11.
- **Detail D-2, Sheet 2 – 10:1 Safety End Structure**
  - The sheet name has been updated so as not to be in conflict with new detail sheet D-11.
- **Detail D-5, Sheet 8 – Drainage Inlet Details**
  - Limit of Payment for the Single Grate Setup has been corrected.
- **Detail D-8, Sheet 1 – Pipe Bedding**
  - Limit of payment has been deleted. The limit of payment line on the Standard Construction Detail was in conflict with the 2016 Standard Specifications.

- **Detail D-9, Sheet 1 – Perforated Pipe Underdrain**
  - Note 6 has been updated.
- **Detail D-11, Sheet 1 – Safety Metal End Section**
  - This is a new Standard Construction Detail.
- **Detail E-02, Sheet 1 – Silt Fence**
  - Sheet number updated to reflect new E-02, Sheet 2.
- **Detail E-02, Sheet 2 – Silt Fence**
  - This is a new Standard Construction Detail.
- **Detail E-12, Sheet 1 – Erosion Control Blanket Applications**
  - This sheet is being deleted.
- **Detail E-13, Sheet 1 – Turf Reinforcement Mat Applications**
  - This sheet is being deleted.
- **Detail M-03, Sheet 1 – Shared-Use Path & Sidewalk Details**
  - This sheet has been updated in accordance with the 2018 version of the Pedestrian Accessibility Manual.
- **Detail M-09, Sheet 1 – Bus Stop Details**
  - This sheet has been updated in accordance with the 2018 version of the Pedestrian Accessibility Manual.
- **Detail M-12, Sheet 1 – Driveway Transverse Slope Grading**
  - This is a new Standard Construction Detail. The detail was created to be in compliance with the 2011 AASHTO Roadside Design Guide in relation to transverse slope grading.
- **Detail P-01, Sheet 2 – P.C.C. Pavement**
  - Reference to Keyway Detail removed from the Longitudinal Construction joint Detail.
  - Note added to the Keyway Detail “Use when hook bolt, tie bar, or w bolt is not used).
  - Sealant Detail – Transverse Joint removed.
  - Sealant Detail – Longitudinal Joint retitled to state “Sealant Detail – Longitudinal and Transverse Joint”. Dimensions updated accordingly.
- **Detail P-05, Sheet 1 – Rumble Strips**
  - This is a new Standard Construction Detail.
- **Detail P-05, Sheet 2 – Rumble Strips**
  - This is a new Standard Construction Detail.

- **Detail P-016, Sheet 1 – Pavement Safety Edge**
  - This is a new Standard Construction Detail.

Please contact Daniel Macchione at (302) 760-2306 if you have any questions.

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Enc.

cc: Robert McCleary, Director of Transportation Solutions  
Pat Kennedy, FHWA