TO: Current Holders of the Standard Construction Details

FROM: Mr. James Pappas
Deputy Director

DATE: December 19, 2018

RE: 2018 Standard Construction Details Update

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
  o Note 3 has been updated.

• Detail C-1, Sheet 3 – P.C.C. Curb and Integral P.C.C. Curb & Gutter
  o This sheet has been updated in accordance with the 2018 version of the Pedestrian Accessibility Manual.

• Detail C-2, Sheet 1 – Curb Ramps
  o This sheet has been updated in accordance with the 2018 version of the Pedestrian Accessibility Manual.

• Detail C-2, Sheet 2 – Curb Ramps
  o This sheet has been updated in accordance with the 2018 version of the Pedestrian Accessibility Manual.

• Detail C-3, Sheet 1 – Entrances
  o 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
  o 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
  o 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
  o 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
  o 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
  o Limit of Payment for the Single Grate Setup has been corrected.

• Detail D-8, Sheet 1 – Pipe Bedding
  o 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  
  o Note 6 has been updated.

• Detail D-11, Sheet 1 – Safety Metal End Section  
  o This is a new Standard Construction Detail.

• Detail E-02, Sheet 1 – Silt Fence  
  o Sheet number updated to reflect new E-02, Sheet 2.

• Detail E-02, Sheet 2 – Silt Fence  
  o This is a new Standard Construction Detail.

• Detail E-12, Sheet 1 – Erosion Control Blanket Applications  
  o This sheet is being deleted.

• Detail E-13, Sheet 1 – Turf Reinforcement Mat Applications  
  o This sheet is being deleted.

• Detail M-03, Sheet 1 – Shared-Use Path & Sidewalk Details  
  o This sheet has been updated in accordance with the 2018 version of the Pedestrian Accessibility Manual.

• Detail M-09, Sheet 1 – Bus Stop Details  
  o 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  
  o 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  
  o Reference to Keyway Detail removed from the Longitudinal Construction joint Detail. 
  o Note added to the Keyway Detail “Use when hook bolt, tie bar, or w bolt is not used). 
  o Sealant Detail – Transverse Joint removed. 
  o Sealant Detail – Longitudinal Joint retitled to state “Sealant Detail – Longitudinal and Transverse Joint”. Dimensions updated accordingly.

• Detail P-05, Sheet 1 – Rumble Strips  
  o This is a new Standard Construction Detail.

• Detail P-05, Sheet 2 – Rumble Strips  
  o 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.

Enc.

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