TO: Current Holders of the Standard Construction Details

From: Donald Weber, P.E.  Donald D. Weber
Deputy Director of Operations and Support

DATE: December 21, 2021

RE: 2021 Standard Construction Details Update

Attached is the 2021 update for the Standard Construction Details that are assigned to you. Please replace the sheets in your set with the attached. Below is a list of the changes in this revision:

• General Changes
  o We are continuing to remove the metric dimensions for all sheets as they are revised.
  o We are beginning to switch all notes over to the “Active Voice” to match the rewriting of the Standards Specifications Manual.

• Detail B-L – Barrier Legend
  o Item number 10 has been changed to 5/8” HGR Bolt.

• Detail B-1, Sheet 3 – Guardrail Applications (Types 1-31, 2-31, and 3-31)
  o The Titles of each guardrail type have been added under their respective section.

• Detail B-2, Sheet 1 & Sheet 2 – Grading for Guardrail End Treatment Attenuator Type 1 & Type 2
  o Corrected a misspelling in Note 5.

• Detail B-3, Sheet 1 – Guardrail over Culverts, Type 1-31
  o Corrected a measurement line inconsistency with the other sheets.
• **Detail B-4, End Anchorage, Type 31**
  o MASH requirement update. The curb can be terminated/depressed 25 ft upstream of the 6th post from the end anchorage or 56.25 ft from the end anchorage and terminate/extend depressed curb downstream. Added note regarding the use of curb.

• **Detail B-13, Sheet 10 – Guardrail Mounted Rail**
  o Language was added for use only in areas 25 mph and under, no crash test data on this installation, use at lower speeds.

• **Detail C-1, Sheet 1 – PCC Curb**
  o Note 3 was updated for slope consistency.

• **Detail C-1, Sheet 2 – Integral PCC Curb and Gutter**
  o Note 4 was updated for a sheet numbering issue.

• **Detail C-1, Sheet 3 – Integral PCC Curb and Gutter**
  o Various PAS manual compliance updates

• **Detail C-2, Sheet 1-7 – Pedestrian Connections**
  o All sheets have been revised and there are now 7 sheets in total with various PAS manual compliance updates.

• **Detail C-3 – Entrances**
  o Various PAS manual compliance updates.

• **Detail C-5 – Curb/Sidewalk Opening**
  o Various PAS manual compliance updates.

• **Detail C-6 – Curb Retaining Wall**
  o Various PAS manual compliance updates.

• **Detail D-5, Sheet 8 – Drainage Inlet Top Unit, Type S**
  o Update to the limits of payment to be consistent with sheet 3.

• **Detail D-8 – Pipe Bedding and Pipe Flared End Support**
  o Removed the earth cushion dimension and note and replaced with Note 3.

• **Detail M-1 – Right-of-Way Fence**
  o Added a callout for the concrete footers.

• **Detail M-3 – Shared-Use Path & Sidewalk**
  o Various PAS manual compliance updates.

• **Detail M-9, Sheet 1 & Sheet 2 – Bus Stop Pad**
Various PAS manual compliance updates.

- **Detail M-11 – Steel Plates**
  - Added two additional sheets.
  - Sheet 1 – Steel Plates – Roadway
  - Sheet 2 & 3 – Steel Plates – Bridge Deck

- **Detail M-13 – Temporary Pedestrian Pathway**
  - Various PAS manual compliance updates.

- **Detail M-14 – Pinned to Unpinned Temporary PCC Safety Barrier Connection**
  - New Detail.

- **Detail P-6 – Pavement Safety Edge**
  - Overlapping dimensions. The "greater than or equal to" signs were replaced.

- **Detail T-5, Sheets 2-4 – Pole Bases**
  - Removed "area to be grouted" with "wrap area with rodent screen."

- **Detail T-8, Sheet 1 – Loop Detector Lead-in Wire Installation**
  - Saw cut dashed line was missing.

- **Detail T-9, Sheet 4 – Wiring Installation Typicals – Wiring Color Codes**
  - Correction of wire colors for signal heads on span wire.

- **Detail T-18, Sheet 1 – Pedestrian Pushbutton Location – Pushbutton assembly Location on Pole**
  - Minimum pushbutton height has been changed to 38 inches, PAS Manual Compliance updates.

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

Enc.

DDW/dm

cc: Shanté Hastings, Deputy Secretary & Chief Engineer,
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