



STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
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NICOLE MAJESKI
SECRETARY

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**
 - 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-L – Barrier Legend**
 - 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)**
 - 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**
 - Corrected a misspelling in Note 5.
- **Detail B-3, Sheet 1 – Guardrail over Culverts, Type 1-31**
 - Corrected a measurement line inconsistency with the other sheets.

- **Detail B-4, End Anchorage, Type 31**
 - 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**
 - 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**
 - Note 3 was updated for slope consistency.
- **Detail C-1, Sheet 2 – Integral PCC Curb and Gutter**
 - Note 4 was updated for a sheet numbering issue.
- **Detail C-1, Sheet 3 – Integral PCC Curb and Gutter**
 - Various PAS manual compliance updates
- **Detail C-2, Sheet 1-7 – Pedestrian Connections**
 - All sheets have been revised and there are now 7 sheets in total with various PAS manual compliance updates.
- **Detail C-3 – Entrances**
 - Various PAS manual compliance updates.
- **Detail C-5 – Curb/Sidewalk Opening**
 - Various PAS manual compliance updates.
- **Detail C-6 – Curb Retaining Wall**
 - Various PAS manual compliance updates.
- **Detail D-5, Sheet 8 – Drainage Inlet Top Unit, Type S**
 - Update to the limits of payment to be consistent with sheet 3.
- **Detail D-8 – Pipe Bedding and Pipe Flared End Support**
 - Removed the earth cushion dimension and note and replaced with Note 3.
- **Detail M-1 – Right-of-Way Fence**
 - Added a callout for the concrete footers.
- **Detail M-3 – Shared-Use Path & Sidewalk**
 - Various PAS manual compliance updates.
- **Detail M-9, Sheet 1 & Sheet 2 – Bus Stop Pad**

- o Various PAS manual compliance updates.
- **Detail M-11 – Steel Plates**
 - o Added two additional sheets.
 - o Sheet 1 – Steel Plates – Roadway
 - o Sheet 2 & 3 – Steel Plates – Bridge Deck
- **Detail M-13 – Temporary Pedestrian Pathway**
 - o Various PAS manual compliance updates.
- **Detail M-14 – Pinned to Unpinned Temporary PCC Safety Barrier Connection**
 - o New Detail.
- **Detail P-6 – Pavement Safety Edge**
 - o Overlapping dimensions. The "greater than or equal to" signs were replaced.
- **Detail T-5, Sheets 2-4 – Pole Bases**
 - o Removed "area to be grouted" with "wrap area with rodent screen."
- **Detail T-8, Sheet 1 – Loop Detector Lead-in Wire Installation**
 - o Saw cut dashed line was missing.
- **Detail T-9, Sheet 4 – Wiring Installation Typical – Wiring Color Codes**
 - o Correction of wire colors for signal heads on span wire.
- **Detail T-18, Sheet 1 – Pedestrian Pushbutton Location – Pushbutton assembly Location on Pole**
 - o 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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