MEMORANDUM

To: Current Holders of the Standard Construction Details

From: Mr. James Pappas
Assistant Direct of Quality

Date: February 7, 2014

Subject: 2013 Standard Construction Details Update

Attached is the 2013 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.

- **Detail B-2, Sheet 1 of 3 – Grading for Guardrail End Treatment Attenuator, Type 1**
  - Added a shaded area showing the area that should be free of obstructions

- **Detail B-2, Sheet 2 of 3 – Grading for Guardrail End Treatment Attenuator, Type 2**
  - Added a shaded area showing the area that should be free of obstructions

- **Detail B-3, Sheet 1 of 3 – Guardrail Over Culverts, Type 1-31**
  - This guardrail layout was redesigned and based off of the Type 3-31 with a smaller clear span.
  - Added dashed lines indicating the culvert headwall along with offsets and grading requirements.
  - Renumbered posts to those only inside the limit of payment.
  - Added notes 5 & 6 and modified notes 3 & 4.

- **Detail B-3, Sheet 2 of 3 – Guardrail Over Culverts, Type 2-31**
  - This guardrail layout was redesigned and based off of the Type 3-31 with a smaller clear span.
  - Added dashed lines indicating the culvert headwall along with offsets and grading requirements.
  - Renumbered posts to those only inside the limit of payment.
  - Added notes 5 & 6 and modified notes 3 & 4.
- **Detail B-3, Sheet 3 of 3 – Guardrail Over Culverts, Type 3-31**
  - Added notes 5 & 6.
  - Added dashed lines indicating the culvert headwall along with offsets and grading requirements.

- **Detail B-6, Sheet 1 of 5 – Bridge Rail Retrofit, Entrance and End Applications**
  - Modified Note 6.

- **Detail B-16, Sheet 1 of 3 – Guardrail Over Culverts, Type 1-27**
  - This guardrail layout was redesigned and based off of the Type 3-27 with a smaller clear span.
  - Added dashed lines indicating culver headwall along with offsets and grading requirements.
  - All notes were updated.

- **Detail B-16, Sheet 2 of 3 – Guardrail Over Culverts, Type 2-27**
  - This guardrail layout was redesigned and based off of the Type 3-27 with a smaller clear span.
  - Added dashed lines indicating culver headwall along with offsets and grading requirements.
  - All notes were updated.

- **Detail B-16, Sheet 3 of 3 – Guardrail Over Culverts, Type 3-27**
  - Added dashed lines indicating culver headwall along with offsets and grading requirements.
  - Added notes 4 and 5.

- **Detail C-1, Sheet 1 of 2 – P.C.C. Curb**
  - Added Note 6

- **Detail C-2, Sheet 1 of 3 – Curb Ramp, Type 1 and Sections**
  - Modified section views to show appropriate concrete thickness under detectable warnings.
  - Added notes 9 & 10 and modified note 3.

- **Detail C-2, Sheet 2 of 3 – Curb Ramp, Type 2, 3, & 4**
  - Modified section views to show appropriate concrete thickness under detectable warnings.
  - Removed curb ramp type subtitles.
  - Added notes 11 & 12.

- **Detail C-2, Sheet 3 of 3 – Curb Ramp, Type 5 and Sections**
  - No longer showing the warping of concrete adjacent to ramped version of Type 5.
  - Added annotation to identify P.C.C. Curb, Type 2 on triangular islands.
  - Added note 11.

- **Detail M-3, Sheet 1 of 1 – Shared-Use Path & Sidewalk Details**
  - This sheet was completely redesigned to show details specific Shared-Use Path’s and Sidewalks.

- **Detail M-9, All Sheets – Bus Stop Pad and Bust Stop Pad with Shelter Details**
  - These are all brand new details.
- Detail P-4, Sheet 1 of 1 – Permanent Cross-Road Patch Over Pipe Trench Details
  - New Detail
- Detail T-1, Sheet 1 of 3 – Conduit Junction Well, Type 1
  - Removed Types 2 and 3 from this detail as well as all associated annotation and notes.
  - Modified notes 2 and 3.
- Detail T-1, Sheet 2 of 3 – Conduit Junction Well, Type 4
  - Modified note 2.
  - New name symbol on cover.
- Detail T-1, Sheet 3 of 3 – Conduit Junction Well, Type 5
  - Modified note 2.
  - New name symbol on cover.
- Detail T-3, Sheet 1 of 3 – Conduit Junction Well, Type 11
  - Modified Note 3.
- Detail T-4, Sheet 1 of 2 – Cabinet Bases, Types M & F
  - Modified notes 1 & 3.
- Detail T-5, Sheet 1 of 4 – Pole Bases
  - Made minor annotation changes.
- Detail T-5, Sheet 2 of 4 – Pole Bases
  - Modified note 2 and added note 4.
- Detail T-5, Sheet 3 of 4 – Pole Bases
  - Removed Type 7 and all associated notes and references.
- Detail T-5, Sheet 4 of 4 – Pole Bases
  - Renamed old “Base 4” to “Base 4a”.
  - Added “Base 4b”.
- Detail T-8, All Sheets – Loop Detector Lead-in Wire Installation
  - All new details
- Detail T-9, Sheet 1 of 3 – Loop Detector Installation & Splice Kit
  - Simplified notes/annotation on ‘Loop Detector Sawcut Typical” detail.
  - Modified Section A-A.
  - Modified note 1 and removed notes 5 & 6.
- Detail T-9, Sheets 2 & 3 of 3 – Loop Detector Installation & Splice Kit
  - All new details.
- Detail T-13, Sheet 1 of 1 – Conduit Junction Well, Type 7
  - Removed Types 6, 8, & 10 and renumbered sheet.
- Detail T-15, Sheet 1 of 1 – Breakaway Sign Post And Pin Assembly Details
  - Modified Breakaway Assembly to resemble actual installation.
  - Added section view.
  - Added note 7.
• Detail T-17, Sheet 1 of 1 – Electrical Service Pedestal – Lighting, Signal & ITMS Component Installations
  o New Detail.

Please contact Billy Sweeney at (302) 760-2350 if you have any questions.

JP:bwc
Enclosures
cc: Robert McCleary, Director of Transportation Solutions
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