**Design Standards Letter**

**Letter Number: P-2018-01**

**Letter Date: 10/30/2017**

**Effective Date: 01/01/2018**

**Section/Plan No.: 616.10, 617.10, 617.20, 902.30, 903.03**

**Subject: Revised Supplement to the 2017 Missouri Standard Plans for Highway**

 **Construction**

**TO:** All Central and District Offices

**FROM:** Sarah Kleinschmit

**DATE:**  October 30, 2017

**SUBJECT:** Engineering Policy

Standard Plans Letter No. 1, 2018

The Supplemental Revisions to the *2017 Missouri Standard Plans for Highway Construction,* effective January 1, 2018are now available on MoDOT’s website.

Questions regarding the Supplemental Revisions to the Missouri Standard Plans for Highway Construction should be directed to Rick Prosser, Central Office, Engineering Policy Group, at 573-526-8485 or myself at 573-751-7412.

**REVISIONS:**

**616. 10** *(sheet 4 of 9)*. Added detail titled “Soft Closure Plan View”. Removed language “Where marking is not provided on the backside, Strips of 3” wide orange sheeting may be applied to the ends of each rail to help delineate the device” from end of paragraph 6 in notes for Example 1.

**617.10** *(sheet 11 of 11).* Removed repetitious details for 90o Hooks, 180o Hooks, and #5 Bars, along with corresponding note and table. Moved detail for #4 Bars to be in line with “Concrete Barrier End Anchorage on Grade” detail.

**617.20** *(sheet 1 of 8)*. Added Hole for Retainer Bolt to bottom of Connection Rod in “Details of Barrier Connection” detail. Added dimension to Top Plate on Connection Rod in “Detail A Connection Rod Assembly”. Rotated and dimensioned Top Plate & Bottom Washer in “Detail A Connection Rod Assembly”.

**902.30** *(sheet 1 of 2).* Added Lap Splice with leader and language “Minimum Splice Length 29” to details titled “Type A (Flat Ground)” and “Type F”. Corrected length for #6 Steel Bar in Type F – 10 Base, and corrected weights for #6 Steel Bars in table titled “Steel and Concrete Requirements for Post Bases”. Added language “Weight” Include”s” to reference 8.

**903.03** *(sheet 3 of 16)*. Added language “measured from the ground to the bottom of the sign” to the last paragraph in General Notes.

**903.03** *(sheet 9 of 16)*. Broke apart detail titled “U-Channel Post Detail Optional Installation” into two separate details; keeping the original title and titling the new one “U-Channel Post-Stub Detail”. Added arrow with notes to indicate direction of traffic flow to new detail. Removed dimension with words “No Splice” from the original detail. Removed third paragraph of side notes with language “use of splice is optional”. Replaced word “splice” with”Post-Stub” at the beginning of the fourth paragraph of notes. Removed fifth paragraph of notes with language “only one splice will be allowed per post”. Removed last paragraph of notes with language “At the Engineer discretion a fluorescent paint shall be applied heavily to both sides of u-channel post stub for a length of at least 6 inches below the top of stub”.

**903.03** *(sheet 11 of 16)* Added notes from sheet 12 of 16. Added note with language “3” x 6” delineator body shall be made from 0.080 inch aluminum”.

SKK/RGP