**Design Standards Letter**

**Letter Number: P-2018-02**

**Letter Date: 02/15/2018**

**Effective Date: 04/01/2018**

**Section/Plan No.: 401.00, 606.00, 606.50, 606.51, 606.70, 616.10, 733.00, 901.00, 901.01, 901.85, 902.00, 902.40, 902.70**

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

 **Construction**

**TO:** All Central and District Offices

**FROM:** Sarah Kleinschmit

**DATE:**  February 15, 2018

**SUBJECT:** Engineering Policy

Standard Plans Letter No. 2, 2018

The Supplemental Revisions to the *2017 Missouri Standard Plans for Highway Construction,* effective April 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 Services, at 573-526-8485 or myself at 573-751-7412.

**REVISIONS:**

**401.00** *(sheet 3 of 3)*. Created new sheet titled “Safety Edge”.

**606.00** *(sheet 4 of 7).* Revised block height dimension of 7” to indicate an allowable range of 14” to 14 ¼”. Also revised ¾“ hole location to indicate the allowed 7 1/8” +/- 1/8”. Changes were made to details “Type A and Type B for Steel Post and Wood or Plastic Blocks” and “Alternate Design for Wood Block”.

**606.50** *(sheet 3 of 8).* Revised block height dimension of 14 ¼” to indicate an allowable range of 14” to 14 ¼” in “Hole Punching Detail”.

**606.50** *(sheet 7 of 8)*. Revised block height dimension of 14 ¼” to indicate an allowable range of 14” to 14 ¼” in detail for “Section A-A”.

**606.51** *(sheet 2 of 2).* Adjusted dimension for “Length of Need” to start at the edge of the piers that are protected by guardrail.

**606.70** *(sheet 3 of 5).* Revised block height dimension of 14 ¼” to indicate an allowable range of 14” to 14 ¼” in “Steel Post and Wood Block” detail.

**616.10** *(sheet 7 of 9)*. Replaced depictions of “Special” with depictions as follows: W020-6a for sign described Right/Center/Left Lane Closed, W021-5 for sign described Right/Left Shoulder Closed, G022-1 for sign described Wet Paint (Arrow Symbols), and G020-4a for sign described Please Wait for Pilot Car.

Added a column to show ASTM Type 9, 11 or 4, for each sign. Revised column for Sheeting types by replacing R4 with SHF and R2 with SH. Updated callout (6) to read “SH Refer to Sec 1042.2.7.2 & Std 903.02”. Updated callout (7) to read “SHF Refer to Sec 1042.2.7.3 & Std 903.02”.

**616.10** *(sheet 8 of 9)*. Replaced depictions of “Special” with depictions as follows: W08-7a for sign reading FRESH OIL LOOSE GRAVEL, G022-1 for sign reading WET PAINT, G020-4a for sign reading PLEASE WAIT FOR PILOT CAR, W012-4 for sign reading LOW CLEARANCE XX FT XX IN XX MILES AHEAD, W012-5 for sign reading WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD, & CONST-8 for sign reading WORK ZONE NO PHONE ZONE.

Replaced single sign detail for CONST-7-72 & CONST-7-48 with detail for CONST-7, showing both the 72”x36” sign and the 48”x24” sign.

**733.00** *(sheet 1 of 1)* Created new sheet titled “Precast Concrete Box Culvert Ties”.

**901.00** *(sheet 1 of 4)* Replaced the HPS luminaires with LED luminaires in the drawing.

**901.00** *(sheet 2 of 4)* Replaced the ANSI Lamps chart with an LED Luminaire chart.

**901.01** *(sheets 1 and 2 of 6)* Replaced the HPS luminaires with LED luminaires in the drawing.

**901.01** *(sheet 3 of 6)* Replaced the ANSI Lamps chart with an LED Luminaire chart.

**901.85** *(sheet 1 of 1)* Replaced 150 Watt HPS with LED-A, 250 Watt HPS with LED-B, and 400 Watt HPS with LED-C.

**902.40** *(sheet 1 of 3)* Replaced the HPS luminaire with an LED luminaire in the drawing.

**902.40** *(sheet 3 of 3)* Replaced the HPS luminaire with an LED luminaire in the drawing. Changed 150 Watt to LED-A in the chart and added a general note “Luminaire per MoDOT’s standards and specifications unless otherwise noted on plans”.

**902.70** *(sheets 1 and 2 of 2)* Replaced the HPS luminaire with an LED luminaire in the drawing.

**902.70** *(sheet 2 of 2)* Added drawing showing 2” Wide Reflective Strip to detail

titled “Backplates”.

**D-SHEETS:**

**i\_d37a** Added columns to table “Signal Heads”, expanding it to allow the selection of Reflectorized Backplates. Moved table “Signal Signs” to sheet i\_d37c to make room for the expanded table.

**i\_d37c** Added “Signal Heads” table and renamed “Signs” from sheet i\_d37a to make room on that sheet for additions.

SKK/RGP