**Design Standards Letter**

**Letter Number: P-2022-04**

**Letter Date: 07/21/2022**

**Effective Date: 10/01/2022**

**Section/Plan No.: 502.05, 504.00, 609.00, 616.10, 620.00, 903.05, 903.06, 903.07, 903.08, D-2BS**

**Subject: Revised Supplement to the 2022 Missouri Standard Plans for Highway**

**Construction**

**TO:** All Central and District Offices

**FROM:** Sarah Kleinschmit

**DATE:**  July 21, 2022

SUBJECT: Engineering Policy

Standard Plans Letter No. 4, 2022

The Supplemental Revisions to the *2022 Missouri Standard Plans for Highway Construction,* effective October 1, 2022, are now available on MoDOT’s website.

Questions regarding the Supplemental Revisions to the Missouri Standard Plans for Highway Construction should be directed to Duke Leggett, Central Office – Engineering Policy Services, at 417-895-7611 or myself at 573-751-7412.

**MAJOR REVISIONS:**

**502.05R** *(sheet 1 of 4)*. Removed “K” and “M” (tongue and groove) joints. Deleted obsolete note “A” from On Ramp. Corrected mainline shoulder “L3” joint placement downstream of Off Ramp. Changed last general note to “All shoulders 4’ or less in width cast monolithically with the adjacent lane at the same thickness shall not require a longitudinal joint or tie bars.”

*(sheet 2 of 4)*. Removed “K” and “M” (tongue and groove) joints. Deleted obsolete note “A” from Off Ramp.

*(sheet 3 of 4)*. Removed Tongue and Groove Joints “K” and “M” entirely and reorganized other joint types. Deleted word “inside” from note (1). Clarified note (3) formula to “(P-1/2”)/2.” Consolidated Dowel and Tie Bar Table.

*(sheet 4 of 4)*. Changed Detail B Thin Circular Disk diameter dimension to “Dowel *diameter* + 0.02”. Added Detail A callout to simplify Alternate Expansion Joints “E” detail. Corrected Construction Joint “C” Header and Sawed Sections for accuracy.

**504.00L** *(sheet 1 through 3 of 3)*. Removed “K” (tongue and groove) joints along with reference on sheet 1 in third general note.

**609.00Q** *(sheet 1 of 2)*. Replaced Tongue and Groove Joints “K” and “M” with Longitudinal Joints “L2” and “L3”, respectively. Swapped “E1” and “E2” Joint detail locations to follow Legend order.

**609.00Q** *(sheet 2 of 2)*. Deleted Thru Tongue & Groove Joint detail. Replaced Tongue and Groove Joint “K” with Longitudinal Joint “L2” in Curb & Gutter details. Added following note “See Standard Plan 607.11 for Modified Type A and B Gutters.”

**616.10AZ** *(sheet 2 of 9)*. Changed the PSST anchor maximum ground clearance to 2.5” and deleted the direction of traffic callout.

*(sheet 3 of 9)*. Specified sequential flashing warning light on Direction Indicator Barricade. Removed warning lights from Channelizers and Vertical Panel. Deleted warning lights (third paragraph) from General Notes.

*(sheet 4 of 9)*. Removed warning lights from barricade. Deleted third and fourth paragraphs and all other mentions of warning lights in notes.

**903.05L** *(sheet 2 of 2)*. Changed “Heavy Square Nut” to “Heavy Hex or Heavy Jam Nut” in Elevation view of now uniform Detail A Post Base.

**903.06L** *(sheet 2 of 2)*. Changed “Heavy Square Nut” to “Heavy Hex or Heavy Jam Nut” in Elevation view of now uniform Detail A Post Base. Corrected Base Data Table F dimension for S-27718 to 18”.

**903.07L** *(sheet 2 of 2)*. Changed “Heavy Square Nut” to “Heavy Hex or Heavy Jam Nut” in Elevation view of now uniform Detail A Post Base.

**903.08K** *(sheet 2 of 2)*. Changed “Heavy Square Nut” to “Heavy Hex or Heavy Jam Nut” in Elevation view that was relocated to be part of now uniform Detail A Post Base.

**D-2BS** Removed warning lights Type A, Type B, and Type C.

**MINOR REVISIONS:**

**620.00N** *(sheet 6 of 6)*. Changed white midblock crosswalk common name from “zebra” to “continental” in pedestrian crosswalks detail. Corrected dimension in railroad grade crossing pavement detail and added clarifying note to symbol detail that white bands are “included in symbol pay item”.

SKK/DML