

# Design Standards Letter

**Letter Number: S-2014-01**

**Letter Date: 02/20/2014**

**Effective Date: 03/01/2014**

**Section/Plan No.: 105, 206, 501, 610, 622, 702, 712, 806, 1036, 1080**

**Subject: Revised Supplement to the Standard Specifications**

## Body

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**TO:** All Central Office and District Offices

**FROM:** Joseph G. Jones  
Engineering Policy Administrator

**DATE:** February 20, 2014

**SUBJECT:** Engineering Policy  
Standard Specifications Letter No 01, 2014  
Revised Supplement to the Standard Specifications

The Supplemental Specifications to the *2011 Missouri Standard Specifications for Highway Construction*, effective March 1, 2014 are now available. These revisions will be in effect with the April 2014 bid opening.

Questions regarding the Supplemental Revisions to the Standard Specifications should be directed to Sam Niederhelm, Central Office, Engineering Policy Group, at 573-526-5645 or myself at 573-751-3813.

### MINOR REVISIONS:

#### Sec 206

Sec 206.4.2 – Revised to define rock as limestone, dolomite or other suitable material with  $q_u \geq 100$  ksf and weak rock as shale or other suitable material with  $5 \text{ ksf} < q_u \leq 100$  ksf.

Sec 206.4.13 – Clarified that Class 3 excavation applies to pipes for culvert installations.

#### Sec 501

*Sec 501.3.4* – Clarified gradation requirements in accordance with Sec 1005.

## **Sec 610**

*Sec 610.4.2.2* – Revised to exclude any lane which abuts an existing lane not constructed under the same contract, from profilographing requirements.

*Sec 610.4.6.4* – Clarified that Areas of Local Roughness (ALR) for any final posted speed with a continuous 25-foot average IRI of 175.0 inches, shall be corrected.

*Sec 610.5.2.1* – Clarified contract price of resurfacing adjustments for improving profile index.

## **Sec 622**

*Sec 622.30.6.1* – Revised table notation to 65 percent of the control IRI or 80.0 inches per mile.

## **Sec 702**

*Sec 702.3.1* – Revised requirements for determining the energy per blow for diesel power hammers without fully enclosed ram.

*Sec 702.4.3.1* – Clarified requirements to driving pile into hard rock.

## **Sec 712**

*Sec 712.5.3* – Revised anchor bolts set in wells or holes to be dry and clean prior to grouting.

## **Sec 806**

*Sec 806.4.1* – Corrected misspelling.

## **Sec 1036**

*Sec 1036.4.1* – Clarified that epoxy coated steel shall be in accordance with ASTM A 775/A 775/M.

## **Sec 1080**

*Sec 1080.2* – Revised to update ASTM and AASHTO references for high strength bolts, nuts and washers, galvanized coatings and added identification of metal.

*Sec 1080.2.1* – Revised reference for mechanical galvanizing to be in accordance with ASTM B 695.

*Sec 1080.2.5* – Revised reference for high strength fastener assemblies to be in

accordance with ASTM A 490.

*Sec 1080.2.5.1* – Revised reference for bolts to be in accordance with ASTM A 325 except when ASTM A 490 bolts are specified in the plans.

*Sec 1080.2.5.1.1* – Revised reference for proof load test frequencies to be in accordance with ASTM A 325.

*Sec 1080.2.5.1.2* – Revised reference for wedge test frequencies to be in accordance with ASTM A 325.

*Sec 1080.2.5.2* – Revised reference for nuts to be in accordance with AASTHTO M 292 as applicable or ASTM A 563.

*Sec 1080.2.5.2.2* – Revised reference for overlapping rotational-capacity test requirements to be in accordance with ASTM A 563.

*Sec 1080.2.5.2.4* – Revised reference for proof load test frequencies to be in accordance with ASTM A 563.

*Sec 1080.2.5.2.5* – Revised reference to weathering steel Type 3 fasteners to be in accordance with ASTM A 563.

*Sec 1080.2.5.3* – Revised reference to washers to be in accordance with ASTM F 436.

*Sec 1080.2.5.4.2* – Revised reference to test methods to be in accordance with ASTM A 325.

*Sec 1080.2.5.4.5* – Revised the installation tension and the tension for the turn test for ASTM A 325 and ASTM A 490 bolts in the chart.

*Sec 1080.2.9* – Revised reference to identification of metals markings to be in accordance with ASTM A 6.

*Sec 1080.4.5* – Revised reference to bolting and fasteners to be in accordance with ASTM A 325 for bolts, ASTM A 563 for nuts and ASTM F 436 for washers.

*Sec 1080.4.7* – Revised reference to anchor bolts to be in accordance with ASTM A 563.

## **MAJOR REVISIONS:**

### **Sec 105**

*Sec 105.7* – Clarified that all utility facilities and appurtenances within the project shall be relocated by the utility owner, unless specified otherwise.

*Sec 105.7.1* – Clarified contractors cooperation with utility owner and engineer with installation and relocation of utility facilities to minimize effects on contractor's work.

*Sec 105.7.2* – Added clarification of the contractor’s requirements to notify Missouri One Call with its intent to excavate, as described in Chapter 319 RSMo.

*Sec 105.7.3* – Clarified contractor to proceed in safe and prudent manner and all negligence on the contractor’s part to corrected at the contractor’s expense.

*Sec 105.7.4* – Clarified that the contractors shall use precaution to prevent damage to all public and private utilities and reclamation to utilities if damages occur.

*Sec 105.7.5* – Clarified contractors liabilities for incidental and consequential damages to utilities facilities or interruption of service caused by the contractor.

JGJ / SJN