

Design Standards Letter

Letter Number: **S-2006-01**

Letter Date: **02/24/2006**

Effective Date: **04/01/2006**

Section/Plan No.: **See Below**

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

Body

The Supplemental Specifications to the 2004 Missouri Standard Specifications for Highway Construction, effective **April 01, 2006** are now available.

Questions concerning the Supplemental Revisions to the Standard Specifications should be directed to Brian Williams, Central Office, Engineering Policy Group, at 573-751-9254 or to me at 573-751-3813.

NOTE	EXPLANATION
1	The following revisions are effective with the April 2006 bid opening .
SECTION	DESCRIPTION OF ERRATA CORRECTIONS
402.2	The section reference should read "Sec <u>1004.2.1</u> "
SECTION	DESCRIPTION OF SPECIFICATION REVISIONS
401.4.2	Subsection (b) was revised to include deleterious content Subsection (c) now reads "Plasticity index of each aggregate fraction"
401.5	Section title was amended to include "and Deleterious Content". New subsection (c) was added to address deleterious content. New subsection (d) was added to address plasticity index of mix fractions.
401.5.1	Amended section to include sample locations for determining deleterious content and plasticity index.
401.8.1	Amended section to include deleterious content in mixture testing.
401.8.2	Amended section to read "If gradation, deleterious content, or asphalt ..."

401.8.3	Included deleterious content and plasticity index as tests to be run from QC sample.
401.9	Amended section to include QA acceptance for deleterious content and plasticity index.
402.5	Section title was amended to include “and Deleterious Content”. New subsection (c) was added to address deleterious content. New subsection (d) was added to address plasticity index of mix fractions. Re-lettered remaining section.
402.6	Amended section to include sample locations for determining deleterious content and plasticity index.
403.4.2	Amended to include deleterious content of each aggregate fraction as required information on mix designs.
403.5.1	Amended section to include sample locations for determining deleterious content and plasticity index.
403.5.1.2	Amended to included deleterious content tolerance.
403.17.2.3.1	Added “and Deleterious Content” to the title. Removed references to “hot bid or cold feed” and added deleterious content as a referenced test when samples shall be retained.
403.17.3.1	Amended calibration schedule to include testing of the weighted foot assemble, mechanical shaker, liquid limit device, and grooving tool.
403.18.1	Amended to include deleterious content in required QA testing.
403.18.2	Added new sections 403.18.2.1 through 403.18.2.6 to indicate comparison limits for QC/QA testing.
501.2.1	Revised to include testing frequency.
501.2.2	Added to indicate sample retention and frequency of sample submittal to Central Lab.
501.3.4	Reworded to indicate “Fine aggregates are grouped into four classes and a minimum cement factor
501.3.5	Consolidated the cement requirement for all classes of sand.
502.11.2	Amended to include course aggregate, absorption, and thin or elongated pieces to the testing to be preformed.
502.11.2.1.3	New section for testing absorption, sample location and frequency.
502.11.2.1.4	New section for testing thin or elongated pieces, sample location and frequency.
502.11.2.1.5	New section indicating length of time for retaining QC samples and required sample identification information.

502.11.3.2	Amended section to include absorption as a measurable parameter.
502.11.4.1	Amended to include deleterious content as a specified test.
502.11.4.3	Amended section title to include absorption.
502.12	Added aggregate absorption and thin or elongated pieces to the testing frequency table
502.12.1	New section to indicate frequency of QC/QA sampling of gradation and deleterious content.
502.12.2	Section renumbered due to adding new 502.12.1.
501.14.1	Amended to allow substitution of up to 25 percent of Class F fly ash in type I or II cements.
903.2.1	Revised AASHTO testing requirements for structural steel posts. Separated out AASHTO testing requirements for U-channel posts.
1001.11	Amended this section to indicate source aggregates shall be evaluated by the engineer for initial approval and source approval prior to acceptance of aggregate from the source.
1001.11.1	Revised to indicate only identified ledges, as identified by the engineer, can be used in the final product.
1001.11.2	Changes policy on frequency of source approvals.
1001.11.3	Changes policy on source approvals for natural sand, gravel and manufactured sand.
1002.2.1.1	Revised to indicate the total course aggregate shall be in accordance with Section 1002.2.1.
1002.2.1.3	Revised to indicate, "Rock tested form any combination of ledges for source approval..."
1004.2.1.1	Revised to indicate, "The total course aggregate for asphalt concrete shall be in accordance with Sec 1004.2.1.
1005.2	Increased deleterious material percents for material passing the 200 sieve, due to sampling the final product.
SECTION	DESCRIPTION OF DELETED SPECIFICATIONS
1001.11.5	Incorporated into Section 1001.11.2.
1001.11.6	Incorporated into Section 1001.11.1.
1001.14 through 1001.14.4.5	Obsolete because aggregate will be approved as the final product. Sections have been incorporated in other divisions of the specifications.