

**KANSAS DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION TO THE
STANDARD SPECIFICATIONS, EDITION 2007**

SECTION 1902

QUALITY CONTROL PROGRAM FOR PRECAST CONCRETE PRODUCTS

Page 1900-2, subsection 1902.1. Delete the last sentence and replace with the following:

This specification does not apply to prestressed concrete beams or slabs, retaining wall panels, or temporary barriers.

Page 1900-2, subsection 1902.2a.(2). Delete this section and replace with the following:

(2) Fly ash may be substituted for Types II or I/II portland cement at rates up to 25 percent (35% for concrete pipe). Use fly ash from a source prequalified under **SECTION 2004**. Obtain the Engineer's approval before substituting fly ash for Type III Cement.

Mix designs containing fly ash must be approved for each plant by using Kansas Test Method KTMR-29, "Wetting and Drying Test of Steam Cured Reinforced Concrete Pipe with Fly Ash." If the mixture complies with the requirement, the producer and the KDOT plant inspectors will be notified in writing. Preliminary approval will be given for mixtures at 150 days based on satisfactory test performance of KTMR-29. Contact the Bureau of Materials and Research for information, and to make arrangements for testing.

Alternatively, provide the results of ASTM C 1567 mortar expansion tests, using the mix design's materials at their designated percentages. Provide a mix with a maximum expansion of 0.10% at 16 days after casting.

If any of the sources of Cement, Fly Ash, or Aggregate are changed in the future, repeat the testing or reporting procedures for the new mix design, as described in this subsection.

Make all test results, certifications, and approval letters available for review at the production site.

Page 1900-3, subsection 1902.3a.(6), change "T-126" to "R-39".

Page 1900-3, subsection 1902.3a.(9). Delete this subsection and replace with the following:

(9) AASHTO T-231, "Capping Cylindrical Concrete Specimens." For unbonded neoprene caps, ASTM C-1231, "Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders."

Page 1900-4, subsection 1902.3a.(11). Delete this section and replace with the following:

(11) ASTM C 1567, "Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)."

Page 1900-4, subsection 1902.3a. Add a subsection as follows:

(12) Kansas Test Method KTMR-29, "Wetting and Drying Test of Steam Cured Reinforced Concrete Pipe with Fly Ash."

Page 1900-4, subsection 1902.3b. Delete this subsection and replace with the following:

b. Cylinders are to be 4Ø X 8-inch, however 6Ø X 12-inch cylinders will also be approved.

Page 1900-4, subsection 1902.3e. Delete this section and replace with the following:

e. Whether internal or external to the producing facility, the individuals conducting quality control sampling and testing for all producers are to be certified by ACI, or a KDOT approved equivalent, in the appropriate method(s) of sampling and testing, or the laboratory must be AASHTO accredited. Provide copies of the certifications to the KDOT. Notify the KDOT within 2 months of any changes in certification status or QC testing personnel.

Page 1900-4, subsection 1902.3. Add a subsection as follows:

f. The KDOT reserves the right to require the producing facility hire a laboratory to perform verification sampling and testing for KDOT, with all associated costs paid for by the producing facility. All laboratories performing verification sampling and testing must be accredited by AASHTO for all the accreditation available test methods shown in **subsection 1902.3**. In addition, all laboratories performing verification sampling and testing must be approved by KDOT, and must report all test results directly to KDOT.

Page 1900-6, subsection 1902.5. Add a subsection as follows:

d. Receipt and approval of a written statement from the producer certifying that iron and steel used in the production of all product delivered to the job site complies with all provisions of the Buy America Act. See **subsection 106.1c** for a definition of “Buy America” materials.

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