

**KANSAS DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION TO THE
STANDARD SPECIFICATIONS, 2015 EDITION**

SECTION 2601

MATERIALS CERTIFICATIONS

2601.1 DESCRIPTION

This specification governs the requirements for the content and distribution of certifications when dictated, in part or in whole, as the basis of acceptance for a material.

2601.2 REQUIREMENTS

a. General

(1) The contractor is responsible for obtaining all certifications and arranging for their delivery to the proper destinations prior to use of the material and allowing sufficient time for review as stated herein.

(2) Provide the following information on all certifications regardless of type.

(a) Identification of the organization submitting the certification.

(b) KDOT project number and KDOT contract number.

(c) Name of contractor.

(d) Identification markings on the shipment. As a minimum, this must include the name of the manufacturer. Also include the lot or heat number, the serial number if applicable, and the date of manufacture if available. This information is not required for Type "F" and "G" certifications (described below) since it is likely not known at the time of certification submittal.

(e) Quantity of material represented by the certification. If multiple lot/heat numbers are submitted, the quantity should be listed per lot/heat number. This information is not required for Type "F" and "G" certifications.

(f) KDOT Contract line number (bid item) and item code number of the material represented by the certification.

(g) Statement that all material complies with the applicable specifications. List the specifications by responsible organization, number, section reference or other appropriate identification.

(h) Additional information as required in the specification for the material, or as added requirements for the various types of certifications in **subsection 2601.2b** below.

(i) "Buy America" statement on domestic iron or steel products as required by **SECTION 106**.

(3) The general information outlined above may be provided by the supplier on a cover sheet to the manufacturer's certification(s). An example of a cover sheet is included at the end of this specification. Verify that the cover sheet and certification(s) are so well cross referenced and identified as a unit that they can be reunited if accidentally separated.

(4) When lot or heat numbers are required in a certification, the manufacturer is required to provide information with regard to the typical quantity of material and production time intervals represented by these numbers. Also include the dates of manufacture for the lots or heats involved. This information will be evaluated by the KDOT and may constitute a basis for rejection if the quantities or time intervals are considered excessive.

(5) A signature is not required on laboratory reports or manufacturer's certifications unless specifically required by other applicable specifications. However, the document must clearly identify the organization submitting the report or certification. The organization submitting certifications, reports, and related written statements is responsible for the contents of these documents whether they are signed or not.

b. Types of Certifications.

(1) Type "A" certification. This certification is to include a copy of the results of tests conducted by the manufacturer's or other qualified laboratory on samples obtained from the lot or lots of material in the shipment.

When a mill test report is submitted as the laboratory report, the quantity in the shipment does not need to be included on the report, provided that the identifying heat or lot numbers involved are roll stamped, embossed, or durably affixed to each item of material in the shipment represented by the report. In this case, provide the necessary quantity information on a cover sheet, clearly identifying the quantity of each heat or lot in the shipment.

(2) Type "B" certifications. This certification is to include a current summary of the maximum to minimum range of the manufacturer's quality control test results as determined by the manufacturer's or other qualified laboratory. These summaries must provide data on all major specification requirements. Also include the range of lots and manufacture dates represented by the data. When combining multiple components into a single item, submit a detailed parts summary indicating the lot/heat number, part description and quantity for each part. Summary reports dated more than six months prior to the date of manufacture or shipment of the product will not be accepted. The Engineer of Tests may also request copies of detailed test reports for material produced during a specified time interval for verification of the certification.

(3) Type "C" certifications. This certification is to include a statement certifying that the material in the shipment is essentially the same as material that is prequalified.

(4) Type "D" certifications. This certification is to comply with **subsection 2601.2a**.

(5) Type "E" certifications. This certification applies to assemblies or structures that are composed of two or more components or materials. These components or materials have been approved previously on an individual basis for KDOT projects, but lose their identity when they are incorporated into an assembly or structure. This certification would apply to signs, overhead sign and lighting structures, etc. The certification is to state that all the components or materials used in the fabrication of the represented assembly or structure were previously approved for KDOT use.

(6) Type "F" or Type "G" blanket certifications. As permitted by **TABLE 2601-1**, submit Type "F" and "G" certifications covering material provided throughout the present calendar year. In addition to the requirements described above, clearly denote the covering year. Submit type "F" and "G" for each manufacturer, producer, fabricator, plant, production facility, or supplier; and for each unique product, design, model, mix design, or formulation. If the previous criteria is satisfied, multiple pipe sizes of the same type can be covered by one certification, but each size must be clearly listed. Certification may cover multiple contracts and identical materials supplied under multiple line items, provided the contracts and associated line items are clearly listed. For multi-year contracts submit blanket certifications for each calendar year that material is supplied. Submit the certification in the covering year prior to the material's first use, not in advance of the covering year. Unanticipated changes in any of the criteria listed above during the course of a year requires submittal of an additional blanket certification.

(a) Type "F" certifications. This certification is to include a statement certifying that the material supplied during the covering calendar year is essentially the same as material that is prequalified.

(b) Type "G" certifications. This certification is to comply with **subsection 2601.2a**.

c. Responsibility for Preparation. The manufacturer of the individual item is responsible for preparing certifications of Type "A", Type "B", Type "C", Type "D", "F" and "G" certifications. The fabricator or assembler of individual items is responsible for preparing a Type "E" certification.

d. The Engineer reserves the right to sample and test any material or product that is governed by a certification. If deviations from the applicable specifications are found, the results will be reviewed by the Engineer to determine the final disposition of the material or product. Serious deviations may be cause for removal from prequalified status.

e. Distribution of Certifications.

(1) Types "A" and "B" certifications.

(a) Submit one copy of the certification via hard copy or e-mail to:

Materials and Research Center
Attn: Materials Certification Technician
2300 Van Buren
Topeka, KS 66611
E-mail address: typeABcerts@ksdot.org

These certifications will be evaluated for compliance with the applicable specifications as well as this section. The appropriate personnel will be notified of a certification's disposition status through the issue of a hardcopy or electronic report, whichever is most expedient.

(b) Submit one copy to the Field Engineer responsible for the project construction.

(2) Types "C," "D", "E", "F" and "G" certifications.

(a) Issue one copy to the Field Engineer(s) responsible for each of the listed project(s) construction.

(b) Do not issue these certifications to the Bureau of Construction and Materials, the Materials Certification Technician, or the Engineer of Tests unless they are specifically requested.

f. Certification of Aggregates. Provide the Engineer a certification for each classification of aggregate utilized in a project.

(1) Aggregates Delivered to the Site: Certify each classification of aggregate delivered to a project or product preparation site. Prepare these certifications under the signature of the aggregate producer or their designated representative.

(a) Certify aggregates that are tested at their destination to determine final disposition as to the locations of the deposits from which they were produced.

(b) Certify aggregates that are tested at their production site to determine final disposition. These certifications state that the aggregates were removed from a KDOT tested and approved stockpile at the production site, or that they were removed from a plant while it was producing aggregate that was in compliance with the applicable specifications.

(2) Aggregates Incorporated into the Project: At locations where aggregates and products that incorporate aggregates are produced for KDOT **and** non-KDOT use, provide certifications stating that only KDOT tested and approved aggregate was provided for the KDOT projects.

(3) Frequency of Certification:

(a) Prior to the initial delivery of aggregates to a project or product preparation site, provide the Engineer a certification. This certification is to be under the signature of the aggregate producer or their designated representative and state that all aggregates to be provided for the project are in compliance with all the applicable KDOT specifications.

(b) Upon completion of the project, provide certifications as specified in **subsection 2601.2f.(1) and (2)** of this specification to the Engineer. These certifications apply to all aggregates that were delivered to the project or product preparation site and ultimately used in the project.

These certifications are to indicate the approximate quantities in tons or cubic yards of each aggregate delivered to the project and the approximate quantities in tons or cubic yards of each aggregate delivered to the product preparation site and incorporated into a product that was utilized in the project.

TABLE 2601-1: REFERENCE CHART FOR MATERIAL RELATED SPECIFICATIONS				
2015 SECTION	TITLE	PQL LIST #	BLANKET CERT (YES/--)	CERT TYPE
1101	GENERAL REQUIREMENTS FOR AGGREGATES			Aggregate
1102	AGGREGATES FOR CONCRETE NOT PLACED ON GRADE	3.1		SEE 1101
	LIGHTWEIGHT AGGREGATES	3.2		SEE 1101
1103	AGGREGATES FOR HOT MIX ASPHALT (HMA)			SEE 1101
1104	AGGREGATES FOR AGGREGATE BASE CONSTRUCTION			SEE 1101
1105	AGGREGATES FOR CEMENT TREATED BASES			SEE 1101
1106	AGGREGATES FOR GRANULAR BASE			SEE 1101
1107	AGGREGATES FOR BACKFILL			SEE 1101
1108	AGGREGATES FOR COVER MATERIAL			SEE 1101
	LIGHTWEIGHT AGGREGATES	3.3		SEE 1101
1109	AGGREGATE FOR MICROSURFACING			SEE 1101
1110	AGGREGATES FOR SUBGRADE MODIFICATION OR RECONSTRUCTION			SEE 1101
1111	AGGREGATES FOR SURFACING OR RESURFACING			SEE 1101
1112	AGGREGATES FOR SURFACING OR SUBGRADE MODIFICATION FOR COUNTY SECONDARY ROADS			SEE 1101
1113	AGGREGATES FOR SHOULDER CONSTRUCTION			SEE 1101

TABLE 2601-1: REFERENCE CHART FOR MATERIAL RELATED SPECIFICATIONS (cont.)				
2015 SECTION	TITLE	PQL LIST #	BLANKET CERT (YES/--)	CERT TYPE
1114	STONE FOR RIPRAP, DITCH LINING AND OTHER MISCELLANEOUS USES			SEE 1101
1115	TEST METHODS FOR DIVISION 1100, AGGREGATES			
1116	AGGREGATES FOR CONCRETE PLACED ON GRADE	3.4		SEE 1101
1201	GENERAL REQUIREMENTS FOR DIVISION 1200 - ASPHALT MATERIALS	4.1		Manufacturer's
1202	PERFORMANCE GRADED ASPHALT BINDER	4.1		SEE 1201
1203	EMULSIFIED ASPHALT	4.1		SEE 1201
1204	CUTBACK ASPHALT	4.1		SEE 1201
1205	ASPHALT REJUVENATING AGENT	4.1		SEE 1201
1206	POLYMER MODIFIED ASPHALT CEMENT FOR CHIP SEALS	4.1		SEE 1201
1207	WARM MIX ASPHALT ADDITIVES (FOAMING PROCESS)	4.3		Field Obs.
	WARM MIX ASPHALT ADDITIVES (ADDITIVES)	4.3		Field Obs.
1301	MASONRY BRICK (SEWER & MANHOLE BRICK, BUILDING BRICK)			
	MASONRY BRICK (ADA PAVING BRICK)			A
1302	CONCRETE MASONRY UNITS			
1303	HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS			
1304	SOLID INTERLOCKING PAVING UNITS		YES	G
1401	AIR-ENTRAINING ADMIXTURES FOR CONCRETE	1		C
1402	CHEMICAL ADMIXTURES FOR CONCRETE	2		C
1403	PRECURE/FINISHING AID	36	YES	F
1404	LIQUID MEMBRANE FORMING COMPOUNDS	30	YES	F
1405	BURLAP (NEW)			Visual
	BURLAP (USED)			Visual
1406	SHEET MATERIALS FOR CURING CONCRETE (NEW)			Visual
	SHEET MATERIALS FOR CURING CONCRETE (USED)			Visual
1501	HOT JOINT SEALING COMPOUND	15.4		Manufacturer's
1502	COLD APPLIED CHEMICALLY CURED JOINT SEALANT	15.3		A
1503	PREFORMED EXPANSION JOINT FILLER FOR CONCRETE (TYPE A)			Visual
	PREFORMED EXPANSION JOINT FILLER FOR CONCRETE (TYPE B)			Visual
1504	PREFORMED ELASTOMERIC COMPRESSION JOINT SEALS FOR CONCRETE	15.1	YES	F
1505	MATERIALS FOR FILLING AND SEALING JOINTS IN PIPE			
	COMPOUND TYPE			
	FLEXIBLE GASKET, JOINT RINGS, MATERIALS FOR CAST IRON			G
	RUBBER SEALS			
1506	CLOSED-CELLULAR RUBBER GASKETS			G
	POLYVINYL CHLORIDE (PVC) - PLASTIC WATERSTOP			G

TABLE 2601-1: REFERENCE CHART FOR MATERIAL RELATED SPECIFICATIONS (cont.)				
2015 SECTION	TITLE	PQL LIST #	BLANKET CERT (YES/--)	CERT TYPE
1507	PRESSURE RELIEF JOINT FILLER		YES	G
1508	ELASTOMERIC CONCRETE	37	YES	F
1509	MEMBRANE SEALANT		YES	G
1510	STRIP SEAL ASSEMBLY		YES	G
1511	BRIDGE JOINT SYSTEM - PREFORMED PRESSURIZED ELASTOMERIC NEOPRENE		YES	G
1601	STEEL BARS FOR CONCRETE REINFORCEMENT	28		A
1602	EPOXY COATED STEEL FOR CONCRETE REINFORCEMENT			A
	APPLICATOR PLANTS	10.1		Plant
	PATCH MATERIALS FOR COATINGS	10.2		
	COATINGS	10.3		
1603	WELDED STEEL WIRE FABRIC FOR CONCRETE REINFORCEMENT	29	YES	F
1604	HELICAL REINFORCEMENT (FOR PQL SEE 1601, 1602, 1603)			A
1605	REINFORCING STEEL SPLICES	32		C
1606	STRAND FOR PRESTRESSED CONCRETE			
1607	STRUCTURAL STEEL			A
	STRUCTURAL STEEL (MERCHANT QUALITY)			
1608	STRUCTURAL STEEL TUBING			A
1609	STEEL PILING AND PILE POINTS			A
1610	STEEL FOR BRIDGE DRAIN SYSTEMS			
	ALL SST PIECES AND OTHER COMPONENTS IF HDG OR CBW			A
	PIPE IF HDG OR CBW			D
1611	PIPES FOR SONIC TESTING		YES	G
1612	GRAY-IRON CASTINGS			A
1613	MALLEABLE CAST IRON PRODUCTS			D
1614	CAST STEEL PRODUCTS			D
1615	ANCHOR BOLTS FOR STRUCTURAL USES			A
1616	STEEL FASTENERS			A
1617	WELDED STUD SHEAR CONNECTORS	22.1		A
1618	STEEL PLATE GUARDRAIL	13.1		
	THREADED FASTENERS			A
	WOOD COMPONENTS			
	ALL OTHER COMPONENTS		YES	F
1619	STEEL PIPE (PIPE OTHER THAN ENCASEMENT)			A
	STEEL PIPE (ENCASEMENT)			D
1620	MATERIALS FOR FENCING			
	ALL WIRE, CHAIN LINK FENCE (SPECIAL), DUPLEX/PVC			B
	ALL OTHER COMPONENTS			D
1621	STEEL SIGN POSTS (CHANNEL OR 'U' TYPE)			A
	STEEL SIGN POSTS (PSST TUBING)			B
1622	STEEL POSTS FOR DELINEATOR MARKERS			

TABLE 2601-1: REFERENCE CHART FOR MATERIAL RELATED SPECIFICATIONS (cont.)				
2015 SECTION	TITLE	PQL LIST #	BLANKET CERT (YES/--)	CERT TYPE
1623	STEEL PERMANENT DECK FORMS			D
1624	ZINC COATINGS			
1625	CAST BRONZE PRODUCTS		YES	G
1626	ALUMINUM ALLOYS			B
1627	ALUMINUM SIGNING MATERIALS			D
1628	HEADED REINFORCING ANCHORS	31		C
1701	BEARINGS AND PADS FOR STRUCTURES			
	PLAIN ELASTOMERIC PADS			D
	BEARINGS			A
	STEEL BEARINGS			A
1702	CALCIUM CHLORIDE			D
1703	ELECTRIC LIGHTING AND TRAFFIC SIGNAL EQUIPMENT			
	TRAFFIC SIGNALS	24.1		D
	ROADWAY LIGHTING	24.2		D
1704	WARNING LIGHTS	16	YES	F
1705	EPOXY-RESIN-BASE BONDING SYSTEMS FOR CONCRETE	10.5	YES	F
1706	ABUTMENT STRIP DRAIN	42	YES	F
1707	MANHOLE STEPS (TYPE 1)		YES	G
	MANHOLE STEPS (TYPE 2)	26	YES	F
1708	BRIDGE BACKWALL PROTECTION SYSTEM	33	YES	F
1709	SUBSTRUCTURE WATERPROOFING	41	YES	F
1710	GEOSYNTHETICS	48	YES	F
1711	GABIONS	12	YES	F
1712	PREFABRICATED VERTICAL DRAIN			
1713	INERTIAL BARRIER SYSTEM AND REPLACEMENT MODULES	13.3	YES	F
1714	CEMENTITIOUS GROUT	5.4	YES	F
1715	CONCRETE MASONRY COATING	35	YES	F
1716	RAPID-SET CONCRETE PATCHING MATERIAL	5.3	YES	F
1717	PRECAST PANEL BEDDING MATERIALS	40.3	YES	F
1718	BOND-BREAKER FOR PORTLAND CEMENT CONCRETE PAVEMENT DOWEL BARS	38	YES	F
1719	RELEASE COMPOUND FOR ASPHALT MIXES	27		
1720	MODULAR EXPANSION DEVICES	22.2		C
1721	FABRIC TROUGH			B
1722	FIBROUS REINFORCEMENT FOR CONCRETE	43	YES	F
1723	NON-METALLIC OFFSET BLOCKS FOR GUARDRAIL	13.4	YES	F
1724	SILICONE RUBBER SURFACE CRACK SEALANT		YES	G
1725	DETECTABLE WARNING SURFACE PANELS FOR CURB RAMPS AND MEDIANS	49	YES	F
1726	IMPACT ATTENUATORS AND REPLACEMENT MODULES	13.5	YES	F
1727	SHOTCRETE CONCRETE	5.6	YES	G
1728	EXPANDED FOAM FOUNDATION MATERIAL FOR SIGN POSTS	46		C

TABLE 2601-1: REFERENCE CHART FOR MATERIAL RELATED SPECIFICATIONS (cont.)				
2015 SECTION	TITLE	PQL LIST #	BLANKET CERT (YES/--)	CERT TYPE
1729	ANTI-GRAFFITI COATINGS			C
1730	POLYMER RESINS FOR POLYMER CONCRETE OVERLAY SYSTEMS	10.6		C
1731	GROUT USED IN POST-TENSIONING			C
1732	GEOFOAM			B
1733	GEOMEMBRANE			D
15-17001	PORTABLE CHANGEABLE MESSAGE SIGNS		YES	G
1801	INORGANIC ZINC PRIMER FOR STRUCTURAL STEEL	18.1	YES	F
1802	ORGANIC ZINC PRIMER FOR STRUCTURAL STEEL	18.3	YES	F
1803	ORGANIC ZINC RICH PAINT FOR REPAIRING DAMAGED SPELTER COATING			
1804	RESERVED			
1805	RESERVED			
1806	WATER BORNE ACRYLIC FINISH COAT	18.6	YES	F
1807	MOISTURE-CURE URETHANE SYSTEM	18.8	YES	F
1808	CALCIUM SULFONATE ALKYD SYSTEM	18.7	YES	F
1901	USES OF PIPE			
1902	QUALITY CONTROL PROGRAM FOR PRECAST CONCRETE PRODUCTS	40.1		C
1903	CAST IRON AND DUCTILE IRON PIPE		YES	G
1904	CORRUGATED METAL PIPE AND END SECTIONS			A
1905	STRUCTURAL PLATE FOR PIPE, PIPE ARCHES AND ARCHES			A
1906	ASPHALT COATED CORRUGATED METAL PIPE, PIPE ARCHES, COUPLING BANDS AND STRUCTURAL PLATE		YES	G
1907	PLASTIC PIPE FOR UNDERDRAINS, EDGE DRAINS, OUTLETS AND DRAIN TILE			Visual
1908	POLYETHYLENE (PE) PIPE	47		C
1909	POLYVINYL CHLORIDE (PVC) PIPE			C
15-19001	FIBERGLASS PIPES AND FITTINGS		YES	G
2001	PORTLAND CEMENT AND BLENDED HYDRAULIC CEMENT	5.1		Manufacturer's
2002	HYDRATED LIME			D
	HYDRATED LIME (PEBBLE QUICKLIME)			Manufacturer's
	HYDRATED LIME (CARBIDE LIME)			C
2003	PEBBLE QUICKLIME			D
2004	FLY ASH FOR USE IN CONCRETE	7.2		Manufacturer's
2005	FLY ASH FOR STABILIZATION, MOD, AND COLD RECYCLE ASPHALT MATERIAL	7.1		C
2006	SILICA FUME	5.7		C
2007	SLAG CEMENT FOR USE IN CONCRETE AND MORTARS	5.2		C
2008	BLENDED SUPPLEMENTARY CEMENTITIOUS MATERIALS FOR USE IN CONCRETE			Manufacturer's
2101	TOPSOIL			

TABLE 2601-1: REFERENCE CHART FOR MATERIAL RELATED SPECIFICATIONS (cont.)				
2015 SECTION	TITLE	PQL LIST #	BLANKET CERT (YES/--)	CERT TYPE
2102	PLANTS			Manufacturer's
2103	SEEDS			
2104	SODS			
2105	SOIL COMPOST			
2106	NITROGEN FIXING BACTERIA			
2107	AGRICULTURAL LIMESTONE			
2108	FERTILIZERS			
2109	PEAT MOSS			
2110	MULCH			
2111	MULCH TACKING SLURRY			D
2112	WEED CONTROL FABRIC			
2113	EROSION CONTROL MATERIALS	34		C
2114	TEMPORARY SEDIMENT BARRIERS			D
2201	RETROREFLECTIVE SHEETING	20.1		Warranty
2202	IMAGE SYSTEMS FOR RETROREFLECTIVE SHEETING	14		C
2203	ROLL-UP SIGNS	20.5		Manufacturer's
2204	CENTER MOUNT REFLECTORS			
2205	FLEXIBLE DELINEATOR POSTS AND ANCHORING DEVICES	19.4	YES	F
2206	RAISED PAVEMENT MARKERS		YES	G
2207	COLD PLASTIC PAVEMENT MARKING MATERIAL (LONG LINE)	19.3		
	COLD PLASTIC PAVEMENT MARKING MATERIAL (SYMBOLS)		YES	F
2208	PATTERNED COLD PLASTIC PAVEMENT MARKING TAPE (LONG LINE)	19.5		
	PATTERNED COLD PLASTIC PAVEMENT MARKING TAPE (SYMBOLS)		YES	F
2209	HIGH DURABILITY PAVEMENT MARKING TAPE (LONG LINE)	19.8		
	HIGH DURABILITY PAVEMENT MARKING TAPE (SYMBOLS)		YES	F
2210	TEMPORARY PAVEMENT MARKING TAPE		YES	G
2211	THERMOPLASTIC PAVEMENT MARKING MATERIAL	19.6	YES	F
2212	PREFORMED THERMOPLASTIC PAVEMENT MARKING MATERIAL	19.9	YES	F
2213	SPRAYED THERMOPLASTIC PAVEMENT MARKING MATERIAL	19.10	YES	F
2214	EPOXY PAVEMENT MARKING MATERIAL	19.11	YES	F
2215	PAVEMENT MARKING PAINT		YES	G
2216	MULTI-COMPONENT LIQUID PAVEMENT MARKING MATERIAL	19.13	YES	F
	GLASS BEADS (SECTIONS 2211, 2212, 2213, 2214, 2215, 2216)			D
2301	WOOD POSTS	45		Manufacturer's
2302	WOOD FENCE POSTS			Manufacturer's

TABLE 2601-1: REFERENCE CHART FOR MATERIAL RELATED SPECIFICATIONS (cont.)				
2015 SECTION	TITLE	PQL LIST #	BLANKET CERT (YES/--)	CERT TYPE
2303	FIELD HANDLING AND PRESERVATIVE TREATMENT OF WOOD PRODUCTS			A
2401	WATER FOR USE WITH CEMENT			
2402	WATER FOR MISC USES			

2601.3 TEST METHODS

Not applicable.

2601.4 PREQUALIFICATION

Not applicable.

2601.5 BASIS OF ACCEPTANCE

When certifications are incorporated into a material or product specification, acceptance will be based on the following:

a. All applicable requirements are complied with. This includes the requirements of this section as well as the requirements of specifications unique to the product or material.

b. The final disposition of any product or material will be completed at the final destination as the result of inspection for the quality of workmanship and the delivery condition.

10-30-15 C&M (CFN)
Feb-16 Letting