ERRATA SHEET FOR STANDARD SPECIFICATION BOOK FOR STATE ROAD AND BRIDGE CONSTRUCTION, EDITION 2007

GENERAL

The Kansas Department of Transportation STANDARD SPECIFICATIONS FOR STATE ROAD AND BRIDGE CONSTRUCTION (2007 EDITION) includes:

DIVISION 100, JULY 2007 REISSUE
DIVISION 200, 2007 EDITION
DIVISION 300, 2007 EDITION
DIVISION 400, 2007 EDITION
DIVISION 500, 2007 EDITION
DIVISION 600, 2007 EDITION
DIVISION 700, 2007 EDITION
DIVISION 800, 2007 EDITION
DIVISION 900, 2007 EDITION
DIVISION 1100, 2007 EDITION
DIVISION 1200 - 1500, 2007 EDITION
DIVISION 1600, 2007 EDITION
DIVISION 1700 - 1900, 2007 EDITION
DIVISION 2000 - 2100, 2007 EDITION
DIVISION 2200 - 2600, 2007 EDITION

References to the "Bureau of Traffic Engineering" are synonymous with their new title "Bureau of Transportation Safety and Technology".

SECTION 101
DEFINITIONS AND TERMS

Page 100-7, subsection 101.3. Delete the definition for PART V, and replace with the following:
Part V (2007 version) of the KDOT Construction Manual which primarily refers to materials and tests for materials used in the project. Part V (2007 version) is a Contract Document.

SECTION 104
SCOPE OF WORK

Page 100-35, subsection 104.21d.(1)(c), delete the last bullet and replace the following:

- the Engineer will suspend damages if the project is in liquidated damages, disincentive assessments, or both until the Contractor completes the extra work.

SECTION 106
CONTROL OF MATERIALS

Page 100-50, subsection 106.4d.(2). Add the following to the beginning of 106.4d.(2):
(2) Record all original documentation in a bound field book or other KDOT approved bound record and turn over to KDOT at the end of the project.

SECTION 109
MEASUREMENT AND PAYMENT

Page 100-71, subsection 109.1e.(3). Add the following to the end of the third bullet ("Check scales…"):
The difference in the 2 scales must not exceed 0.25%. If the difference exceeds 0.25%, recertify the scales according to **subsection 152.2**.

Page 100-75, subsection 109.4. Delete subsection 106.4a. and replace with the following:

a. Request payment for properly stored nonperishable materials when the value of the stored material is a minimum of $2,500.00 for each individual item of material, unless otherwise approved by the Engineer. Only include the actual material and shipment costs in the request. Do not include any testing fees, stockpiling costs, sales tax, etc.

- When requesting payment for stored materials, verify the quantity of materials stored and the value of the material. Identify the contract line item numbers (bid items) representing the stored materials and the quantities of stored materials assigned to each designated contract line item number. Provide required certification for all stored materials according to the Contract Documents;
- As the materials are incorporated into the work, the Engineer will measure actual quantities and adjust the stored materials payment by the actual quantities incorporated. Upon receiving each payment voucher (progress payment), verify the accuracy of the stored materials paid for to date and advise the Engineer of any discrepancy; and
- After receiving payment for the stored materials, pay subcontractors and suppliers according to **subsection 109.6**.

SECTION 152
HAULING AND WEIGHING EQUIPMENT

Page 150-4, subsection 152.2. Delete the third bullet ("the weighing devices…") in the second paragraph and replace with the following:

- the weighing devices shall be accurate within 0.25% throughout the range of use.

SECTION 154
CONCRETE PAVEMENT AND CONCRETE STRUCTURE EQUIPMENT

Page 150-20, delete subsection 154.4a. and replace with the following:

a. Concrete Spreader. Use equipment to uniformly spread the concrete while maintaining a head of concrete.

The Engineer may waive the use of a self-propelled concrete spreader in areas of narrow or irregular dimensions.

SECTION 156
ROADSIDE IMPROVEMENT EQUIPMENT

Page 150-9, delete subsection 156.1a. and replace with the following:

a. Seeding Drills. Use drills for roadside seeding and fertilizing in good working order so that the rate of seed and fertilizer is applied at the rates shown in the Contract Documents. Two or more separate seed compartments may be necessary for seeding certain projects. Provide seed compartments capable of the accuracy needed to obtain the seeding rates shown for the various grasses, wildflowers and legumes listed in the Contract Documents. Use a drill that can apply commercial grass seed and wildflower seed, or a drill with attachments that would allow the application of fertilizer, grass seeds and wildflower seeds at the rate and depth specified in the Contract Documents. The drill must be approved by the Engineer. The Engineer will approve the width of the drill on the basis of the area to be seeded. The space of seed-tubes, disks and boots shall be a maximum of 8 inches. Provide drills that accurately control the depth of seeding and fertilizer placement to a maximum depth of ½ inch.

Construct the seed and fertilizer compartments with partitions to prevent the material sliding to one side of the drill while operating on steep slopes.

If a separate cultipacker is not used, use a seed drill with press wheels.

SECTION 205
EXCAVATION AND EMBANKMENT FOR HIGHWAYS

Page 200-12, delete subsections 205.3f. and g. and replace with the following:

f. Common Excavation (Unstable). Common excavation (Unstable) is considered to be material in the subgrade or embankment with any of the following characteristics:

- When the material encountered has a moisture content above the plastic limit of the soil.
- When the plastic limit of the soil is at or less than the optimum moisture content, the soil is not capable of being compacted at the optimum moisture content.

Suitable material with excess moisture caused by the Contractor's negligent operations is not classified as unstable excavation.

g. Common Excavation (Unsuitable). Common excavation (Unsuitable) is material encountered in the subgrade or embankment that contains a high organic content (such as peat or A-horizon soils).

Page 200-12, subsection 205.4a. Add the following paragraph:

Strip and stockpile the existing topsoil from within the construction limits. To the extent practical use this material to cap the finished embankment and cut slopes. This work is subsidiary to grading items in the contract.

Page 200-16, subsection 205.4j. Eleventh paragraph (Do not place rocks, broken….), add the following:

Do not place rocks larger than 3 inches (in any dimension) in the top 12 inches of the embankment.

SECTION 301
SUBGRADE MODIFICATION

Page 300-2, subsection 301.3a.(6). Add the following to the end of the first paragraph:

For cement or fly ash treated subgrade, trim and recompact the within 2 ½ hours of the time the water and cementing agent is added to the aggregate.

SECTION 303
CEMENT OR FLY ASH TREATED SUBGRADE

Page 300-9, subsection 303.3, replace the first sentence of the fifth paragraph with the following:

After compaction of the treated subgrade, trim and recompact the cement or fly ash treated subgrade to the specified lines and grades, within 2 ½ hours of the time the water and cementing agent is added to the aggregate.

SECTION 305
AGGREGATE BASE AND AGGREGATE SHOULDERS

Page 300-12, subsection 305.3d. Delete the first paragraph and replace with the following:

Cure the compacted layer to develop sufficient stability to resist wheel truck rutting before vehicular hauling or heavy equipment is permitted on the base. When Contract Documents call for a PGAB or Cutback asphalt prime coat on the aggregate base, cure the compacted layer to maximum moisture content of 60% of optimum moisture content for AB-1, AB-2, & AB-4 and 70% for AB-3, prior to the construction of the Asphalt Prime Coat. The Engineer will perform testing to determine when the cure of the aggregate base is complete. The Engineer may require that the surface of the aggregate base be kept moist during the curing period to prevent loss of surface material.

SECTION 306
CEMENT TREATED BASE

Page 300-13, subsection 306.2a.(5). Add the following to the beginning of subsection 306.2a.(5).

(5) Record all original documentation in a bound field book or other KDOT approved bound record and turn over to KDOT at the end of the project.

SECTION 501
PORTLAND CEMENT CONCRETE PAVEMENT (QC/QA)

Page 500-2, subsection 501.2f.(1). Add the following to the beginning of subsection 501.2f.(1):

Record all original documentation in a bound field book or other KDOT approved bound record and turn over to KDOT at the end of the project.

SECTION 502
PORTLAND CEMENT CONCRETE PAVEMENT (NON-QC/QA)

Page 500-28, subsection 502.3k.(1). Third paragraph, first sentence, change the reference subsection 502.4g.(7)(b) to subsection 502.3g.(7)(b).

SECTION 601
ASPHALT APPLICATION TEMPERATURES

Page 600-1, TABLE 601-1: ASPHALT APPLICATION TEMPERATURES. In the sixth row under TYPE and GRADE, delete "ST-1P" and add "SS-1HP".

SECTION 604
COLD RECYCLED ASPHALT CONSTRUCTION (CIR)

Page 600-32, subsection 604.1. Change the bid item "Blotter Sand" to "Blotter Sand (Set Price)".

Page 600-32, TABLE 604-1, change title to: "RAP MATERIAL FOR CIR".

Page 600-34, subsection 604.4. Delete the fifth paragraph and replace with the following:

Payment for "Cold Recycled Asphalt Material", "Lime (Hydrated) (Slurry)" and "Emulsified Asphalt (CSS) (Special)" at the contract unit prices and "Blotter Sand (Set Price)" and "Emulsified Asphalt (CSS-1H or SS-1H) Cure (Set Price)" at the contract set unit prices is full compensation for the specified work.

SECTION 707
FINGER PLATE AND MODULAR EXPANSION DEVICE

Page 700-27, subsection 707.3b. In TABLE 707-1, column 1 replace "Type I" with "AASHTO M 314 Grade 36" and replace "Type II" with "AASHTO M 314 Grade 55".

SECTION 708
FALSEWORK AND FORMS

Page 700-31, subsection 708.4. Delete the first paragraph and replace with the following:

The Engineer will not measure Falsework Design, Falsework Construction or Forms (design or construction) for separate payment.

SECTION 711
REINFORCING STEEL

Page 700-44, subsection 711.3d.(3). Delete the fourth paragraph and replace with the following:

If the splicing systems require the entire splice be prepared in a fabricator's shop for later assembly in the field, and unless the field assembly requires operator prequalification, each shipment to the project is considered a separate lot. One specimen is taken from each lot.

SECTION 712
STRUCTURAL STEEL CONSTRUCTION

Page 700-46, subsection 712.2 Materials. Change "Bearing Plate Mats or Pads" to "Bearings and Pads".

Page 700-52, subsection 712.3c. Add the following sentence to the end of the first paragraph:

The company/individual performing non-destructive testing of field welds shall be separate and independent of the company/individual that performed the field welding.

SECTION 714
PAINTING STRUCTURAL STEEL

Page 700-58, subsection 714.3b. Fourth paragraph, first sentence, change "bolt connections" to "bolted connections".

SECTION 715
PRESTRESSED CONCRETE MEMBERS

Page 700-68, subsection 715.2. Third paragraph, second sentence, change "ASTM A 153" to "ASTM A 123".

Page 700-68, subsection 715.3a. Delete the second sentence and replace with the following:

With the exception of prestressed piles, which do not require drawings, do not perform any production until the approved shop drawings are in the hands of the Inspector and producer, and the Engineer has authorized production.

Page 700-72, subsection 715.3c.(3). Delete the third paragraph and replace with the following:

Unless shown otherwise in the Contract Documents, use Type I, Type IP, Type I(PM) or Type II portland cement to manufacture the units. Type III cement may be used for beams (if they are to be covered by a reinforced wearing surface) and piling. Only use cement from prequalified sources. The producer's certification must be available at the prestress plant for review by the Engineer.

Page 700-75, subsection 715.3d.(3)(iv). Delete the second bullet and replace with the following:

- a second of any 10 consecutive manufactured cylinder sets attains an average compressive strength below the specified minimum 28 day strength by no more than 5% or 300 psi, whichever is less.

SECTION 717
SILICA FUME OVERLAY

Page 700-84, subsection 717.3c. Delete the ninth paragraph (Manipulate, ….) and replace with the following:

Manipulate, mechanically strike off and mechanically consolidate new concrete to a minimum of 98% of the vibrated unit weight and screed to final grade. Float and straightedge the wearing surface so the finished surface is at the cross-section shown in the Contract Documents. In irregular areas or along the curb where the finishing screed does not reach, hand tamp with a 6 inch by 6 inch metal plate device to assist in consolidation and bonding of the concrete. When concrete for partial depth patches is placed with the overlay, apply additional vibration or hand tamping in the patch areas to assist in consolidation and bonding of the concrete.

SECTION 722
SIGN STRUCTURES AND BRIDGE MOUNTED SIGN ATTACHMENTS

Page 700-93, subsection 722.1. All bid items should have a unit of Each.

Page 700-95, subsection 722.4. Delete the first paragraph.

SECTION 735
PRECAST REINFORCED CONCRETE BOX

Page 700-116, subsection 735.2a. Delete the last paragraph and replace with the following:

Precast reinforced concrete boxes will be accepted according to **SECTION 1902**, and when deemed necessary by the Engineer, satisfactory results of material tests performed by the Engineer, compliance with dimensional requirements and visual inspection at the point of production or usage.

SECTION 801
MOBILIZATION

The lump sum amount bid for "Mobilization (DBE)" shall not exceed 10% of the total amount identified by the Contractor for each DBE.

SECTION 810
INERTIAL BARRIER SYSTEM

Page 800-28, subsection 810.2. Add the following:

Impact attenuators prequalified under **SECTION 1726** (07-08034-R01 latest revision) may be substituted for inertial barrier systems with approval of the Engineer.

SECTION 814
ELECTRIC LIGHTING SYSTEMS AND TRAFFIC SIGNALS

Page 800-39, subsection 814.4. Replace the second paragraph with the following:

Excavation, removal, backfilling and Grade 3.0 concrete are subsidiary.

SECTION 820
FLUME INLETS AND SLOPE DRAINS

Page 800-52, subsection 820.1. Add the following to the BID ITEMS list:

Slope Drain (Special)	Linear Foot

SECTION 822
UNDERDRAINS

Page 800-54, subsection 822.2. Change "Aggregate for Backfill" to "Aggregate for Underdrains".

SECTION 825
CURB AND GUTTER

Page 800-62, subsection 825.3b.(4). Delete the second paragraph and replace with the following:

Construct planes of weakness in curbs and gutters at locations shown in the Contract Documents.

SECTION 828
FENCING

Page 800-67, subsection 828.1. Change the first Bid item from "Fence (*) (**)" to "Fence (*) (**) (***)". Add " (***) Special" at the end of the subsection. In the * for Bid Items, change "Single Wire Cable (Type I, Type II or Type I or II)" to "Single Wire Cable".

Page 800-70, subsection 828.3. Add the following:

r. Erection of Chain Line Fence (Special). Erect the Chain Link Fence (Special) as shown in the Contract Documents.

SECTION 830
SLOPE PROTECTION

Page 800-72, subsection 830.1. Add the following to the BID ITEMS list:

Slope Protection (Gabion)	Cubic Yard
Slope Protection (Special)	Cubic Yard

SECTION 833
PAVEMENT PATCHING

Page 800-77, subsection 833.1. Change the BID ITEM "PCCP Patching (*) (**)" to PCCP Patching (*)(**)(***).

SECTION 835
RESEALING JOINTS AND SEALING CRACKS IN EXISTING PCCP AND HMA PAVEMENTS

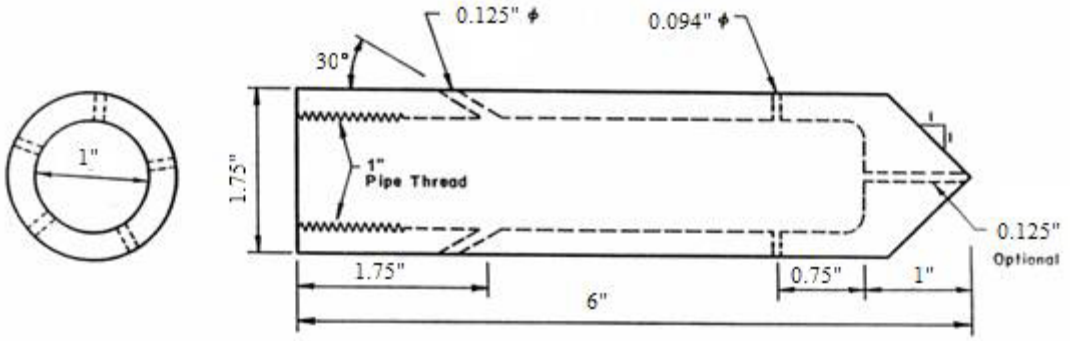
Page 800-85, delete subsection 835.3g. and replace with the following:

g. Weather Limitations. Do not place sealant when:

- the ambient air temperature is below 40°F, or
- the pavement temperature is above 105°F.

SECTION 845
CLEANING EXISTING STRUCTURES

Page 800-100, replace FIGURE 845-1 with the following:



Dimensions of the High Pressure Pipe Cleaning Nozzle.
FHWA/RD-81/078

SECTION 907
TREES, SHRUBS AND OTHER PLANTS

Page 900-15, subsection 907.3a. Replace TABLE 907-1 and replace with the following:

TABLE 907-1: PLANT PLANTING SEASONS	
Plant Type	**Planting Date Range**
Deciduous Plants	November 15 thru April 15
Evergreen Plants	October 1 thru April 15

SECTION 910
STONE MASONRY TREE WELLS

Page 900-21, subsection 910.2. Second paragraph, first sentence, remove "or chat".

SECTION 912
WATER SYSTEMS

Page 900-24, subsection 912.1. In the BID ITEMS list, change the units from "Each" to "Lump Sum".

Page 900-24, subsection 912.4., delete the first paragraph and replace with the following:
The Engineer will measure water systems by the lump sum.

SECTION 1103
AGGREGATES FOR HOT MIX ASPHALT (HMA)

Page 1100-12, subsection 1103.2b. In the first bullet, Soundness, change "0.90%" to "0.90".

SECTION 1110
AGGREGATES FOR SUBGRADE MODIFICATION OR RECONSTRUCTION

Page 1100-27, subsection 1110.2b. Change Soundness from "50%" to "0.85". Change Wear from "0.85" to "50%".

SECTION 1201
GENERAL REQUIREMENTS FOR DIVISION 1200 – ASPHALT MATERIALS

Page 1200-4, subsection 1201.5a. Last sentence, change subsection "1201.2d.(3)" to "1201.2d.(2)".

SECTION 1505
MATERIALS FOR FILLING AND SEALING JOINTS IN PIPE

Page 1500-7, subsection 1505.2b. Delete the last paragraph and replace with the following:
Provide material that complies with AASHTO M 198.

SECTION 1609
STEEL PILING AND PILE POINTS

Page 1600-17, subsection 1609.2b.(2). Second paragraph, third sentence, remove "respectively" from the end of the sentence.

SECTION 1615
ANCHOR BOLTS FOR STRUCTURAL USES

Page 1600-25, subsection 1615.2b.(1). Delete the second sentence and replace with the following:

Provide cut or rolled threads for bridge bearing applications. Provide rolled threads for all other applications.

SECTION 1620
MATERIALS FOR FENCING

Page 1600-33, subsection 1620.2b.(2). Delete "and AASHTO M 305 respectively" from the end of the first sentence.

Page 1600-33, subsection 1620.2b.(3). Delete "and ASTM A 584 respectively" from the end of the first sentence.

Page 1600-34, subsection 1620.2b.(7). Delete the second sentence and replace with the following:

Mechanically deposited zinc coatings on larger fastener components is permitted, however, other than the zinc coating application method, all the requirements of ASTM F 2329 must be complied with.

SECTION 1622
STEEL POSTS FOR DELINEATOR MARKERS

Page 1600-38, subsection 1622.2b. Delete the second paragraph and replace with the following:

Protect posts from corrosion by application of an organic zinc coating or a zinc coating by the hot dip galvanizing (HDG) process or produced from HDG sheet steel. Perform all perforating and machining operations prior to application of the organic zinc coating or HDG of the finished post. Non-coated edges on posts produced from HDG sheet steel are acceptable. The method of corrosion protection utilized is at the discretion of the post manufacturer.

SECTION 1624
ZINC COATINGS

Page 1600-39, subsection 1624.2. First, second and third paragraphs, change "ASTM F 2329" to "ASTM A 153".

SECTION 1902
QUALITY CONTROL PROGRAM FOR PRECAST CONCRETE PRODUCTS

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

SECTION 2110
MULCH

Pave 2100-16, subsection 2110.2a. First paragraph, last sentence, delete "smooth bromegrass hay".

SECTION 2114
SILT FENCE

Page 2100-23. Change Header from "2214" to "2114".

SECTION 2600
MATERIALS CERTIFICATIONS

Page 2600-1, subsection 2601.2a.(2)(h). Change "subsection 2601.02b" to "subsection 2601.2b."

Page 2600-2, subsection 2601.2b.(4). Change "subsection 2601.02a" to "subsection 2601.2a."

Page 2600-3, subsection 2601.2f.(3)(b). Change "subsection 1101.02c.(1),(2)" to "subsection 2601.2f.(1) and (2)".

10-02-09 C&M (LAL)
Dec-09 Letting