

ERRATA SHEET FOR STANDARD SPECIFICATION BOOK FOR STATE ROAD AND BRIDGE CONSTRUCTION, EDITION 2015

SECTION 101 DEFINITIONS AND TERMS

Page 100-4, subsection 101.3. Add the following:

ELECTRONIC DESIGN FILES - One or more of the following files that KDOT furnishes to the Contractor in electronic form:

- Base file (plan view of entire project length);
- Cross Section Stack files (vertical layout of cross sections);
- Existing Ground Survey (existing ground contours in three-dimensions);
- Cross Section Sheet Files (final cross section sheets)
- Vertical Alignment description files
- Existing & Proposed Horizontal Alignment description files
- Cross Section Report files
- Superelevation description files
- Existing and Proposed Three-Dimensional Surfaces
- Three-Dimensional Line String File

These files are not considered Contract Documents or Exploratory Work Documents.

Page 100-6, subsection 101.3. Delete the definition for PART V, and replace with the following:

Part V (2015 version) of the KDOT Construction Manual which primarily refers to materials and tests for materials used in the project. Part V (2015 version) is a Contract Document.

SECTION 102 BIDDING REQUIREMENTS AND CONDITIONS

Page 100-9, subsection 102.2b. Delete subsections 102.2b. E., G. and H. and replace with the following:

- E. Bridge Repair: Bridge Repair, Area Prepared for Patching, Multi-Layer Polymer Overlay, Slurry Polymer Concrete Overlay, Polymer Overlay Repair, Bridge Expansion Devices.
- G. Retaining Wall Systems: MBW and MSEW Precast Panels.
- H. Retaining Walls: Cast-in-place and Landscape Retaining Wall Systems (less than 6 feet high).

Add subsection 102.2b.Z.:

- Z. Stabilized Subgrades and Base Courses: Less than 20,000 SQYD. Subgrade Modification, Lime Treated Subgrade, Cement or Fly Ash Treated Subgrade, Crushed Stone Subgrade, Aggregate Base, Cement Treated Base, Granular Base.

SECTION 155 ASPHALT SURFACING AND ASPHALT RECYCLING EQUIPMENT

Page 150-14, delete subsection 155.6b.(2)(b) and replace with the following:

(b) Reclaimed Asphalt Pavement (RAP) Material Conveyor. If the plant is used for recycling, a dual weighing system is required to control delivery of virgin aggregate and RAP material to the drum. Equip the system with interlocking mechanisms that shall accurately deliver virgin aggregates and RAP material in proper proportions. Belt scales for the RAP material shall comply with **subsection 155.6b.(2)**.

**SECTION 602
FLEXIBLE PAVEMENT**

Page 600-17, delete subsection 602.5e.

**SECTION 704
PILING**

Page 700-20, subsection 704.4e.(1), delete the 6th bullet and replace with the following:

- Restrike for 20 blows or until the pile penetrates an additional 4 inches, whichever comes first. Record the penetration for every 5 blows. In the event the pile movement is less than ½ inch during the restrike, the restrike may be terminated after 10 blows.

Page 700-20, subsection 704.4e.(2), delete the last bullet and replace with the following:

- The Test Pile is then immediately restruck with the warmed-up hammer for 20 blows or until the pile penetrates an additional 4 inches, whichever comes first. Record the penetration for every 5 blows. In the event the pile movement is less than ½ inch during the restrike, the restrike may be terminated after 10 blows.

**SECTION 735
PRECAST REINFORCED CONCRETE BOX**

Page 700-125, subsection 735.1, in the DESIGN subsection delete “For fill height less than or equal to 3 feet...” and associated 4 bullets.

**SECTION 805
WORK ZONE TRAFFIC CONTROL AND SAFETY**

Page 800-23, subsection 805.4d., delete last paragraph and replace with the following:

No payment will be made for each per day traffic control devices while the Contractor is assessed liquidated damages for failure to comply with winter shutdown period or project completion date in other Project Special Provisions included in the Contract Documents. No payment will be made for any additional traffic control devices required due to the contract being in liquidated damages.

**SECTION 809
CONCRETE SAFETY BARRIER**

Page 800-34, subsection 809.4, and the following to the end of the first paragraph:

The gaps between the precast concrete safety barriers will not be included in the measurement for payment.

**SECTION 810
INERTIAL BARRIER SYSTEM**

Page 800-35, delete subsection 810.1 and replace with the following:

810.1 DESCRIPTION

Install and relocate inertial barrier systems (IBS) as shown in the Contract Documents. Stockpile the replacement modules at the project site.

BID ITEMS

Inertial Barrier System (*)
Replacement Modules (IBS)
*Type TL-2 or TL-3

UNITS

Each
Each

Page 800-35, subsection 810.4, delete last paragraph and replace with the following:

Payment for "Inertial Barrier System" and "Replacement Modules (IBS)" at the contract unit prices is full compensation for the specified work.

SECTION 811 IMPACT ATTENUATOR

Page 800-36, subsection 811.1, delete the bid items and replace with the following:

<u>BID ITEMS</u>	<u>UNITS</u>
Impact Attenuator (*) *Type (TL-2, TL-3 or Severe Duty)	Each
Impact Attenuator (Temporary) (**) Replacement Modules (Impact Attenuator) **Type (TL-2 or TL-3)	Each Each

Page 800-37, subsection 811.4, delete the last paragraph and replace with the following:

Payment for "Impact Attenuator (Temporary)" and "Replacement Modules (Impact Attenuator)" at the contract unit price is full compensation for the specified work.

SECTION 812 PERMANENT SIGNING

Page 800-42, subsection 812.4. Add the following to the end of the third paragraph:

Signing object marker and delineator posts are subsidiary to the bid items "Signing Object Marker" and "Signing Delineator".

SECTION 814 ELECTRIC LIGHTING SYSTEM AND TRAFFIC SIGNALS

Page 800-44, subsection 814.1, add the following Bid Item.

<u>BID ITEMS</u>	<u>UNITS</u>
Flashing Beacon System	Lump Sum

Page 800-47, subsection 814.3 add the following:

q. Flashing Beacon System. Install flashing beacon systems as shown in the Contract Documents.

Page 800-47, add the following to subsection 814.4:

The Engineer will measure flashing beacon system by the lump sum.

The Payment for "Flashing Beacon System" at the contract unit price is full compensation for the specified.

SECTION 843 FLOWABLE FILL

Page 800-107, subsection 843.2, in TABLE 843-1 change the third column from "1500 psi" to "1500 psi (min)"

SECTION 1106 AGGREGATES FOR GRANULAR BASE

Page 1100-19, subsection 1106.2c.(1). In TABLE 1106-1 for the No. 8 sieve, change "70" to "80".

**SECTION 1108
AGGREGATES FOR COVER MATERIAL**

Page 1100-25, subsection 1108.2c.(2). In TABLE 1108-1 for Minimum Gradation Factor, change “4.00” to “3.90”.

**SECTION 1114
STONE FOR RIPRAP, DITCH LINING AND OTHER MISCELLANEOUS USES**

Page 1100-37, delete subsection 1114.2f.(3) and replace with the following:

(3) Product Control.

- Deleterious Substances. Provide stone for shot rock that is free from injurious quantities of clay and soapstone.
- Size. Shot rock shall be quarry run with no more than 10 percent larger than 7 feet in circumference measured in any direction and not more than 10 percent passing the 1 inch sieve as determined by visual inspection. The maximum size of the shot rock will be limited by the thickness of the rock to be placed, as shown on the Contract Documents.

**SECTION 1207
WARM MIX ASPHALT ADDITIVES**

Page 1200-13, delete subsection 1207.5b. and replace with the following:

b. WMA additives.

- (1) Prequalification as specified in subsection 1207.4.
- (2) Field observation of WMA production.

**SECTION 1405
BURLAP**

Page 1400-6, delete subsection 1405.5 and replace with the following:

1405.5 BASIS OF ACCEPTANCE

- a. New burlap will be accepted on the basis of a visual inspection for compliance with AASHTO M 182.
- b. Used burlap will be accepted on the basis of a visual inspection for compliance with AASHTO M 182 and subsection 1405.2b above.

**SECTION 1406
SHEET MATERIALS FOR CURING CONCRETE**

Replace "AASHTO M 171" with "ASTM C171" throughout the specification.

Page 1400-7, delete subsection 1406.5 and replace with the following:

1406.5 BASIS OF ACCEPTANCE

- a. New sheet materials will be accepted on the basis of a visual inspection for compliance with **ASTM C171**.
- b. Used sheet materials will be accepted on the basis of a visual inspection for compliance with **ASTM C171** and subsection 1406.2b. above.

**SECTION 1503
PREFORMED EXPANSION JOINT FILLER FOR CONCRETE**

Page 1500-4, delete subsection 1503.5b. and replace with the following:

b. Type B. Visual inspection at destination for condition and compliance with dimensional and other requirements.

**SECTION 1509
MEMBRANE SEALANT**

Page 1500-15, subsection 1509.2a., delete the first paragraph and replace with the following:

a. Foam Sealant. Provide a foam sealant consisting of an open-cell high density polyurethane foam impregnated with either a polymer modified bitumen or a neoprene rubber suspended in chlorinated hydrocarbons. Precompress the foam sealant prior to packaging. Use a precompressed dimension as recommended by the sealant manufacturer to provide a water tight seal throughout a joint movement range of $\pm 25\%$ (minimum) from the specified joint opening dimension. Provide a foam sealant that is slowly self expanding to permit workers ample time to install the foam before the foam exceeds the joint opening width. Supply the foam in pieces 5 feet in length or longer. Miter the ends of each piece for ease of joining to the adjacent pieces.

**SECTION 1601
STEEL BARS FOR CONCRETE REINFORCEMENT**

Page 1600-1, delete subsection 1601.4 and replace with the following:

1601.4 PREQUALIFICATION

Follow the instructions on the AASHTO National Transportation Product Evaluation Program's (NTPEP) website to participate in the audit program for reinforcing steel mill.

Forward an official copy of the latest NTPEP audit report, including split sample test results, and the plant's quality control plan to the Bureau Chief of Construction and Materials for evaluation. Producing mills that have successfully met the requirements of the audit (including test results that comply with **subsections 1601.2b.** and **1601.5c.**) and are listed on the NTPEP website as compliant will be prequalified.

In order to maintain prequalified status, send a copy of the annual NTPEP certificate of compliance, the "Record of Specimens Tested" sheet from the audit, and the "Variation Report" as soon as it is received. Producing mills that have prequalified using the NTPEP program and are subsequently removed from "compliant" status as shown on the NTPEP website will be removed from prequalified status.

Producing mills that fail to provide the annual documents described above or fail to adhere to the requirements of **subsection 1601.6b** may be removed from prequalified status.

**SECTION 1619
STEEL PIPE**

Page 1600-31, subsection 1619.5a. (1). Delete the 2nd sentence.

**SECTION 1904
CORRUGATED METAL PIPE AND END SECTIONS**

Page 1900-8, delete subsections 1904.2b.(1) and (2) and replace with the following:

(1) Comply all corrugated steel (galvanized and aluminized) pipe, pipe-arches, and accessory items with AASHTO M 36. Comply all steel sheet utilized to fabricate the pipe and pipe-arches with AASHTO M 218 when zinc coated, or AASHTO M 274 when aluminum alloy coated. The type of pipe, and type and class of coating will be specified in the Contract Documents. Provide only helical corrugations with continuous (lock or welded) seams or annular corrugations with riveted (no spot welding) lap joints. Do not interconnect components with differing coating types within a piping system.

(2) Comply all corrugated aluminum alloy pipe, pipe-arches, and accessory items with AASHTO M 196. The type of pipe will be specified in the Contract Documents. Provide only helical corrugations with continuous lock seams or annular corrugations with riveted lap joints. Do not interconnect metal aluminum alloy pipe with metal steel pipe or accessory items except as permitted through M 196.

SECTION 2201 REFLECTORIZED SHEETING

Page 2200-2, subsection 2201.4. Delete the third paragraph and replace with the following:

If the prequalification samples of retroreflective sheeting comply with this specification, the product will be placed on a list of prequalified products maintained by the Bureau of Construction and Materials. No retroreflective sheeting will be used on KDOT projects unless it has been prequalified. Testing and evaluation by KDOT may be waived if complete testing has been performed on the identical product by AASHTO National Transportation Product Evaluation Program (NTPEP) within ten years of the KDOT submittal date. Forward an official copy of the test report along with evidence that the product referenced is identical to that submitted for prequalification, to the Engineer of Tests for evaluation.

SECTION 2202 IMAGE SYSTEMS FOR RETROREFLECTIVE SHEETING

Page 2200-4, subsection 2202.4. Delete the fifth paragraph and replace with the following:

Testing and evaluation by KDOT may be waived if complete testing has been performed on the identical product by AASHTO National Transportation Product Evaluation Program (NTPEP) within ten years of the KDOT submittal date. Forward an official copy of the test report along with evidence that the product referenced is identical to that submitted for prequalification, to the Engineer of Tests for evaluation.

SECTION 2203 ROLL-UP SIGNS

Page 2200-5, subsection 2203.4. Delete the third paragraph and replace with the following:

Testing and evaluation by KDOT may be waived if complete testing has been performed on the identical product by AASHTO National Transportation Product Evaluation Program (NTPEP) within ten years of the KDOT submittal date. Forward an official copy of the test report along with evidence that the product referenced is identical to that submitted for prequalification, to the Engineer of Tests for evaluation.

SECTION 2210 TEMPORARY PAVEMENT MARKING TAPE

Page 2200-14, subsection 2210.1. First paragraph, delete the second sentence and replace with the following:

This includes both Type I and Type II materials for use on both portland cement concrete and asphalt surfaces.

INDEXING / FORMATTING (Non-Content) CORRECTIONS

INDEX

Page I-1, Biodegradable Log, change page number from "900-27" to "900-7".

Page I-5, Landscape Retaining Wall, change page number from "800-104" to "800-125".

Page I-6, delete Liner Pipe from the Index. Handle by a project special provision.

Page I-6, delete Mobilization (Emergency Erosion Control) (Set Price) from the Index. No longer applicable to 2015 specifications.

Page I-7, Precast Arch Culvert and Precast Rigid Frame Culver, change page number from "800-57" to "700-129".

Page I-8, Rubblized Concrete, change page number from "800-1001" to "800-101".

Page I-8, delete Shot-crete. No longer a bid item, replaced with Concrete Surface Repair.

Page I-12, BRIDGE CURB REPAIR, change page number from "700-103" to "700-108".

Page I-16, EROSION PIPE, change page number from "800-43" to "800-51".

Page I-22, POLYMER MODIFIED ASPHALT CEMENT FOR CHIP SEALS (Materials), change page number from "700-143" to "1200-12".

Page I-27, UNKNOWN HAZARDOUS MATERIALS, change page number from "100-59" to "100-63".

**DIVISION 200
EARTHWORK**

Page i, delete Table of Contents title "Stabilized Subgrade, Base and Shoulders" and replace with "Earthwork".

Page i, add "200-" before page numbers.

**DIVISION 300
STABILIZED SUBGRADE, BASE AND SHOULDERS**

Page i, add "300-" before page numbers.

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

Page 500-30, subsection 502.3g.(10), change all references with subsection 502.4 to subsection 502.3.

**DIVISION 600
FLEXIBLE PAVEMENT**

Page i, add "600-" before page numbers.

**DIVISION 700
STRUCTURES**

Page i, add "700-" before page numbers.

**SECTION 737
FIELD ERECTION**

Pages 700-132 TO 700-135, delete header "737 – CONTROLLED DEMOLITION" and replace with "737-FIELD ERECTION".

**SECTION 850
SEPARATION GEOTEXTILE**

Pages 800-116, delete header "850 – GEOMEMBRANE" and replace with "850 – SEPARATION GEOTEXTILE".