

**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.**

**Page 600-19, subsection 602.6a.(5).**

Change references from "TABLE 602-11" to "TABLE 602-10", throughout the subsection.

**Page 600-24, Note <sup>1</sup> after TABLE 602-15:**

Change reference from "TABLE 602-11" to "TABLE 602-10".

**SECTION 603  
ASPHALT PAVEMENT SMOOTHNESS**

**Page 600-37, TABLE 603-5, delete the note after, and replace with the following:**

\*Correct to 30.0 in./mi. (40.0 in./mi. as noted in TABLE 603-2).

**SECTION 613  
ULTRATHIN BONDED ASPHALT SURFACE**

**Page 600-78, subsection 613.8a., delete third paragraph and replace with the following:**

Payment for "HMA Surface (Ultrathin Bonded)" at the contract unit prices is full compensation for the specified work.

**SECTION 704  
PILING**

**Page 700-20, subsection 704.4e.(1), delete the 6<sup>th</sup> 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 722  
SIGN STRUCTURES AND BRIDGE MOUNTED SIGN ATTACHMENTS**

**Page 700-100, subsection 722.3c.(2), replace "bolt" with "rod" throughout. Also, delete the last sentence.**

**Page 700-101, subsections 722.3c.(4) and (5), replace "hardened washer" with "hardened, plate washer" throughout. Replace "tower washer" with "plate washer" throughout.**

**Page 700-101, delete subsection 722.3d.**

**SECTION 731  
AREA PREPARED FOR PATCHING  
(EXISTING CONCRETE BRIDGE DECKS)**

**Page 700-119, delete subsection 731.3d. and replace with the following:**

**d. Bridge Decks That Receive a Multi-Layer, Single-Layer or Slurry Polymer Concrete Overlay.**

(1) Polymer concrete materials may be used for patching of the concrete bridge deck.

For shallow patches, 3 inches maximum depth, polymer concrete overlay resin and FA-C aggregate, **TABLE 1102-6**, may be used.

For deep patches, greater than 3 inches polymer concrete overlay resin with an approved MA-3 or MA-4 aggregate, **TABLE 1102-3**, may be used.

The slurry polymer concrete system may be used for shallow patching and where a bar is considered bonded by the Engineer, even if less than ½ the bar depth is embedded in concrete (**subsection 731.3a.(2)(a)**).

Mix and cure all patching according to manufacturer/supplier's recommendations.

(2) A Rapid Set Concrete Patching Material, compatible with the overlay may be used for patching the concrete bridge deck.

(3) Strike off patches to a level approximately ¼ inch below the top of the original concrete deck.

**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 1502  
COLD APPLIED CHEMICALLY CURED JOINT SEALANT**

**Page 1500-3, delete subsection 1502.4c. and replace with the following:**

**c. Prequalified List.** The Bureau of Construction and Materials will include products complying with **subsection 1502.2** on a prequalified list. Failure of any field installation in less than the anticipated life will be cause for removal of the product from prequalified status. Products removed from prequalified status will be considered for re-qualification if the manufacturer can provide evidence that the cause of failure has been positively identified, and necessary formulation changes and quality control measures have been implemented to eliminate that cause. Even if there is no formulation change, re-prequalify every 3 years by submitting test data that is no more than 3 years old. Complete requalification under **subsection 1502.4.** is required for products removed from the prequalified list.

**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**

**a. General.** 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.

**b. Comparison Testing.** The NTPEP's 3<sup>rd</sup> party yield, tensile, and elongation test results will be compared to the parallel plant data from each heat for variations and differences. These variations and differences may not exceed the values shown in **TABLE 1601-1**, based on the 3<sup>rd</sup> party values as the reference where applicable.

**SECTION 1603  
WELDED STEEL WIRE FABRIC FOR CONCRETE REINFORCEMENT**

**Page 1600-7, delete subsection 1603.4 and replace with the following:**

**a. General.** Follow the instructions on the AASHTO National Transportation Product Evaluation Program's (NTPEP) website to participate in the welded wire producing mill audit program.

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 & Materials for evaluation. Producing mills that have successfully met the requirements of the audit (including test results that comply with **subsections 1603.2b. and 1603.4b.**) 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 been 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 1603.5d.(3)** may be removed from prequalified status.

**b. Comparison Testing.** The NTPEP's 3<sup>rd</sup> party tensile test results will be compared to the parallel plant data from each heat or lot for variations and differences. These variations and differences may not exceed the values shown in **TABLE 1603-1**, based on the 3<sup>rd</sup> party values as the reference where applicable.

**Page 1600-8, subsection 1603.5c.(5), delete the second paragraph and replace with the following:**

The KDOT results will be compared to the parallel plant data from each heat or lot for variations and differences. These variations and differences may not exceed the following (**TABLE 1603-1**), based on the KDOT values as the reference where applicable:

**SECTION 1619  
STEEL PIPE**

**Page 1600-31, subsection 1619.5a. (1). Delete the 2<sup>nd</sup> sentence.**

**SECTION 1801  
INORGANIC ZINC PRIMER FOR STRUCTURAL STEEL**

**Page 1800-1, delete subsection 1801.4b. and replace with the following:**

**b.** Testing by KDOT may be waived if testing has been performed on the identical product by another state within the past 12 months. Results must satisfy the requirements contained within this specification. Forward a copy of the test report to the Engineer of Tests for evaluation, along with evidence that the product referenced in the test report is identical to that submitted for prequalification.

**SECTION 1802  
ORGANIC ZINE PRIMER FOR STRUCTURAL STEEL**

**Page 1800-3, delete subsection 1802.4b. and replace with the following:**

**b.** Testing by KDOT may be waived if testing has been performed on the identical product by another state within the past 12 months. Results must satisfy the requirements contained within this specification. Forward a copy of the test report to the Engineer of Tests for evaluation, along with evidence that the product referenced in the test report is identical to that submitted for prequalification.

**SECTION 1806  
WATER-BORNE ACRYLIC FINISH COAT**

**Page 1800-8, delete subsection 1806.4b. and replace with the following:**

b. Testing by KDOT may be waived if testing has been performed on the identical product by another state within the past 12 months. Results must satisfy the requirements contained within this specification. Forward a copy of the test report to the Engineer of Tests for evaluation, along with evidence that the product referenced in the test report is identical to that submitted for prequalification.

**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 1907  
PLASTIC PIPE FOR UNDERDRAINS, OUTLETS AND DRAIN TILE**

**Page 1900-12, delete subsection 1907.5, and replace with the following:  
1907.5 BASIS OF ACCEPTANCE**

Visual inspection for conditions and dimensional requirements.

**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 Culvert, 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".

12-02-15 (C&M) (LAL)  
May-16 Letting