

**City of Lawrence Municipal Services & Operations
Annual Review
of
Construction Material Specifications, Design Standards, and
Standard Details**

Summary of Changes

Construction Material Specifications:

Section 0010 – General Technical Provisions
Section 1700 – Traffic Signals
Section 1800 – Pavement Maintenance
Section 2000 – Concrete
Section 2900 – Waterlines

Design Standards:

Combined Plan Preparation and Design Criteria

Standard Detail Sheets:

1300 – Asphalt Streets
1400 – Concrete Streets
1502 – Concrete Retaining Wall and Integral Sidewalk Curb
1700 – Roadway Lighting
1700 – Traffic Signals
1710 – Rectangular Rapid Flashing Beacon
2900 – Waterline
6000 – Storm Sewer

NOTE:

Updates and corrections to the City of Lawrence Department of Municipal Services & Operations construction material specifications, design criteria, and standard details are as follows:

*Note that some sections contained grammatical or other minor corrections - those corrections are not noted in this summation.

UPDATES TO: CONSTRUCTION MATERIAL SPECIFICATIONS

Section 0010 – General Technical Provisions

0016 – A. Asphaltic Concrete Testing.

Added that sampling and testing of asphalt pavement mix shall be coordinated between the producer and QC/QA laboratories to ensure a safe and representative material sample and to ensure delivery of the materials to the respective laboratory.

Changed that asphaltic concrete pavement mix sampling shall be from the batching plant.

Added that documentation shall be provided on the Superpave Asphaltic Concrete Test to report if visual evidence is found of fiberglass retained on the #200 sieve.

Added that KCMMB standards for asphaltic concrete pavement density shall include core sampling and testing frequency.

Section 1700 – Traffic Signals

1703 – Installation, J. Termination Pole Base.

Replaced table in Subsection e.

Section 1800 – Pavement Maintenance

1801 – Crack Sealing and Filling, B. Installation

Clarified crack cleaning.

Section 2000 – Concrete

2006 - Cold Weather Concrete.

Added that excusing use of approved blankets may be done by with engineer or inspection staff approval.

Section 2900 – Waterlines

2903 – Materials, D. Fire Hydrants, 1.d

Remove "U.S." so section reads "Waterous WB-67 or Mueller "Super Centurion"."

2903 – Materials, F. Specials, 7. Meter Assembly

Add AY McDonald 732-1-WX22 33 Meter Setters for 5/8" meters.

Add AY McDonald 732-1-WX22 44 Meter Setters for 1" meters.

Add AY McDonald 722-618KD22 660 Meter Setters for 1.5" meters

Add AY McDonald 722-718KD22 770 Meter Setters for 2" meters

PLAN PREPARATION AND DESIGN CRITERIA:

Section	Changes:
1.3 Final Submittal Requirements	Added language defining existing and proposed ground surface deliverable
5.4.1 Fire Hydrants, 7	Added note for station and offset of tee and appurtenance
Appendix B	Updated KDOT LPA Letting Information
Appendix E	Added Sections E.1 (KDHE Sanitary Sewer Extension Permit with City), E.2 (KDHE Checklist for Sewer Extension Plan Review), and E.3 (City of Lawrence Design Flow Example)

STANDARD DETAIL SHEETS

1300-Asphaltic Concrete Streets

Added detail for arterial section.

1400-Portland Cement Concrete Streets

Added detail for arterial section.

1502-Concrete Retaining Wall and Integral Sidewalk Curb

Revised "Concrete Curb Design V" table to increase allowable curb height from 6" to 12" without reinforcement.

Added/Revised Note 5 of "Ramp Element Notes" to reference concrete sidewalk access ramps standard detail for detectable warning panel setback requirements.

1700-Roadway Lighting

Added current model numbers for light poles and luminaires.

Removed notes for salvaging signal items.

1700-Traffic Signals

Plan Sheet:

Revised phase numbering convention for northbound and southbound phases.

Pole:

Revised dimensions and note for height of pedestrian signal heads.

Miscellaneous Mounting and Wiring:

Removed screw-in foundation detail and notes for pedestrian pushbutton pole.

Added Note 4 for pedestrian pushbutton post.

Revised dimension for height of pedestrian pushbutton.

Cabinet Wiring:

Revised note 1 for service connection details.

Pole and Cabinet Foundation:

Revised pedestal pole foundation detail and dimensions.

Revised location of secondary service enclosure on cabinet pad detail.

Revised notes for signal controller pad to correspond with secondary service enclosure location.

Illuminated Street Name Sign:

Removed illuminated street name sign detail with multiple lines of text.

Revised notes to correspond with single lines of text for illuminated street name signs.

1700-Rectangular Rapid Flashing Beacon

New Detail Sheet

2900-Waterline

Updated "Approved Water Service Materials" Table
Revised Meter Box & Cover Acceptable Products

6000-Storm Sewer

Storm Sewer Curb Inlets:

Revised "Standard Curb Inlet" note to include epoxy-coated bar

Revised "Curb Transition" note to indicate the epoxy bar drilled 6"