

Legislation Text

File #: BILL NO. 16-205, **Version:** 1

AN ORDINANCE AMENDING SECTIONS 1000, 5200 AND 5300 OF THE CITY'S DESIGN AND CONSTRUCTION MANUAL AS ADOPTED AND MADE A PART OF THE CODE OF ORDINANCES BY SECTION 22.5-1 OF THE CODE OF ORDINANCES OF THE CITY OF LEE'S SUMMIT, MISSOURI. (PWC 9/19/16)

Issue/Request:

AN ORDINANCE AMENDING SECTIONS 1000, 5200 AND 5300 OF THE CITY'S DESIGN AND CONSTRUCTION MANUAL AS ADOPTED AND MADE A PART OF THE CODE OF ORDINANCES BY SECTION 22.5-1 OF THE CODE OF ORDINANCES OF THE CITY OF LEE'S SUMMIT, MISSOURI.

Key Issues:

- ☐ The current Design and Construction Manual (DCM) was originally adopted in September 2004 and Sections 1000 in February 2010.
- ☐ Sections 5200 and 5300 were last updated in October 2009 and September 2004, respectively.
- ☐ In accordance with the adopting ordinance, revisions to the General Provisions and the design criteria sections must be done by ordinance while changes to technical specifications may be handled administratively.
- ☐ Certain paragraphs of need to be amended to comply with current advances in industry standards, advances in construction materials, and improved compatibility with the Americans with Disabilities Act (ADA) and the Clean Water Act Amendments.
- ☐ Several paragraphs of 1000, General Provisions, have been amended to correct typographical, grammatical errors, or provide clarification.

Proposed City Council Motion:

FIRST MOTION: I move for a second reading of AN ORDINANCE AMENDING SECTIONS 1000, 5200 AND 5300 OF THE CITY'S DESIGN AND CONSTRUCTION MANUAL AS ADOPTED AND MADE A PART OF THE CODE OF ORDINANCES BY SECTION 22.5-1 OF THE CODE OF ORDINANCES OF THE CITY OF LEE'S SUMMIT, MISSOURI.

SECOND MOTION: I move for adoption of AN ORDINANCE AMENDING SECTIONS 1000, 5200 AND 5300 OF THE CITY'S DESIGN AND CONSTRUCTION MANUAL AS ADOPTED AND MADE A PART OF THE CODE OF ORDINANCES BY SECTION 22.5-1 OF THE CODE OF ORDINANCES OF THE CITY OF LEE'S SUMMIT, MISSOURI.

Background:

The Design and Construction Manual (DCM) governs design guidelines for public infrastructure and

established construction standards for infrastructure that will be maintained and operated by the City after completion of the work. Changes in construction materials, practices, design standards, federal law, state statutes and local ordinances and policies often necessitate changes to design standards. These changes have significant impact on the City's long-term maintenance and operating budget, as well as meeting the quality of life goals set forth in the City's master planning documents.

The current Design and Construction Manual (DCM) was adopted by City Council in September 2004. Modifying design standards requires approval by City Council, whereas updates to approved products, construction details, construction specifications and be updated administratively. Periodic updates to the design criteria were made in 2009, 2010, 2013 and 2015. Section 1000, General Provision, was last updated in 2010. Section 5200, Streets, was last updated in 2009. Section 5300, Incidental Construction, was last updated in 2004.

Section 1000: General Conditions

The main reason for edits in Section 1000 are to correct typographical errors, clarify common practices in working with developers, and provide better guidance base on lessons learned during construction. A summary of key items are shown below:

Subsection 1002, Scope: Clarify that requests for design waivers or alternate construction materials must be documented and submitted in writing; clarify certifications for independent testing labs; clarify that sidewalks, paths, trails and other pavements are subject to these design standards.

Subsection 1003, Definitions: Revised definitions for Final Acceptance, Final Affidavit and Final agreement to be consistent with other documents or permits processed at Final Acceptance.

Subsection 1005, Engineering Submittals: Added clarifications for types of plans sheets and details needed on development engineering plan submittals to facilitate proper construction and inspections in the field, and ensure public infrastructure complies with the Americans with Disabilities Act. Added a copy of the project specific Storm Water Pollution Prevention Plan (SWPPP) to list of required submittals.

Subsection 1010, Permits: Clarified requirements for items to be included in the Engineer's Opinion of Probable Construction Cost. Added traffic control, structures (such as culverts), landscaping in public right of way to cost estimates for public infrastructure. Changed a typographical error in the DCM to include drive approaches and sidewalks on private development in the cost estimates.

Section 5200: Streets

Section 5200 updates are requested so that the DCM will be consistent with the City's current Access Management Code, revised language to ensure compliance with ADA requirements, clarify alternative pavement sections, and deleted the table of typical cross-sections because they were both unreadable and in conflict with current design policies.

Section 5300: Incidental Construction

Updates to Section 5300 are request to ensure proper design of accessible routes that meet the newer federal Proposed Guidelines for Pedestrian Facilities in Public Right of Way. Section 5304 was added to provide design criteria for accessible routs in the public right of way based on lessons learned from trying to build and construct ADA compliant infrastructure.

Impact/Analysis:

The design criteria proposed for Sections 5200 and 5304 have been used by the City on Capital Improvement Projects dating back to 2004. Improved design and material requirements have shown reduced annual maintenance costs for pavements, along with improved traffic safety statistics. Modifying development standards to match the same standards on CIP project is expected to see a similar reduction in overall maintenance cost, and improve the overall quality to streets and sidewalks. Section 1000 updates are expected to have the same impact of improving the quality of development engineering plans to provide inspectors the necessary tools to ensure proper construction of public infrastructure.

Presenter: George Binger, Deputy Director/City Engineer

Recommendation: Staff recommends approval of AN ORDINANCE AMENDING SECTIONS 1000, 5200 AND 5300 OF THE CITY'S DESIGN AND CONSTRUCTION MANUAL AS ADOPTED AND MADE A PART OF THE CODE OF ORDINANCES BY SECTION 22.5-1 OF THE CODE OF ORDINANCES OF THE CITY OF LEE'S SUMMIT, MISSOURI.

Committee Recommendation: The Public Works Committee voted 3-0 (Chairman Mosby "Absent") to recommend to City Council approval of AN ORDINANCE AMENDING SECTIONS 1000, 5200 AND 5300 OF THE CITY'S DESIGN AND CONSTRUCTION MANUAL AS ADOPTED AND MADE A PART OF THE CODE OF ORDINANCES BY SECTION 22.5-1 OF THE CODE OF ORDINANCES OF THE CITY OF LEE'S SUMMIT, MISSOURI.