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RESOLUTION NO. 05-15

A RESOLUTION PROVIDING MINIMUM DESIGN AND CONSTRUCTION STANDARDS FOR LOCAL AND COLLECTOR ROADS AND STREETS, AND OTHER PUBLIC IMPROVEMENTS, OTHER THAN IN INDUSTRIAL AND COMMERCIAL SUBDIVISIONS, IN DOUGLAS COUNTY, KANSAS.

WHEREAS, the Board of County Commissioners has duly adopted Resolution Nos. 72-30, 72-31, and 78-26, as codified a Section 9-203 of the Code of Douglas County, Kansas (the "Code"), setting forth minimum construction standards for local and collector roads and streets, and other public improvements in residential subdivisions.

WHEREAS, the Board of County Commissioners desires to revoke said Resolutions, as codified in the Code, and adopt new road construction standards as set forth herein.

NOW THEREFORE, the Board of County Commissioners of Douglas County, Kansas, sitting in regular session this 21st day of March, 2005, does hereby resolve as follows:

1. Road Construction Standards. Section 9-203 of the Douglas County Code is hereby amended and restated to read as follows:

9-203 MINIMUM CONSTRUCTION STANDARDS FOR LOCAL AND COLLECTOR ROADS AND STREETS AND OTHER PUBLIC IMPROVEMENTS. Minimum design and construction standards for local and collector roads and streets and other public improvements, other than in industrial and commercial subdivisions, in Douglas County, Kansas, are as follows:

- (a) General. These standards are to be minimum standards set forth for the various improvements herein outlined. If conditions dictate, these standards may be varied with the consent of the County Engineer. It shall be the responsibility of the County Engineer to outline the reasons for any significant variations and submit those reasons to the Board of County Commissioners for its approval.

The "Standard Specifications for State Road and Bridge Construction" adopted by the Kansas Department of Transportation, 1990 or current Edition, shall be the standard construction specifications unless otherwise noted in this Section.

The "Project Development Manual for Non-National Highway System Local Government Road and Street Projects," Appendix B, 2003 or current Edition, as distributed by the Kansas Department of Transportation, shall be the minimum design standards unless otherwise noted in this Section. Although these standards allow design flexibility in certain circumstances, the County Engineer must approve any deviations from the tabled design standards.

(b) Design Details. Design details are as follows:

1. Right-of-Way: 80 feet minimum (collector), 70 feet minimum (local), or wider as required to accommodate the grading section.
2. Earthwork: Minimum depth of ditch from top of finished subgrade, 2.0 feet. Minimum compaction efforts required for fill sections, Type B (MR-90).
3. Pavement:
 - a. Local and Collector Aggregate Road:
4 inch compacted Combined Material (AB-3) with 3 to 5% crown.
 - b. Local Hard Surfaced Road:
Alternate (1): 4-inch compacted AB-3 with 2-inch Asphaltic Concrete Surface, 2 to 3% crown.
Alternate (2): 6-inch compacted AB-3 with a prime and double seal, 2% to 4% crown.
 - c. Collector Roads (Hard Surfaced):
Alternate (1): 6-inch compacted Combined Material (AB-3) with 2-inch Asphaltic Concrete surface, 2% to 3% crown
Alternate (2): 8-inch compacted combined material (AB-3) with Prime and Double Seal, 2% to 4% crown.
4. Collector roadway width shall be 32 feet minimum (minimum widths for AADT<400 vehicles per day indicated in KDOT Project Development Manual, Appendix B shall not apply).
5. Roadway shall be surfaced full roadway width, which includes shoulders.
6. Minimum crossroad drainage structure shall be reinforced concrete or corrugated metal pipe, 24-inch diameter meeting the Kansas Department of Transportation Standards for strength and thickness.
7. Entrances shall comply with the current Douglas County construction standards for entrances on county routes. Entrance pipes shall be reinforced concrete or corrugated metal pipe, minimum 18-inch diameter, meeting Kansas Department of Transportation Standards for strength and thickness.
8. Prime and Double Seal Rates of Application:
 - MC-30 Prime - 0.3 gallons per square yard.
 - RC-800 Seal - 0.35 gallons per square yard (for each of 2 seals)
 - Cover Material (CM-K) – 26 pounds per square yard (for each of 2 seals)
9. Construction Traffic Control Details shall be shown on the plans or submitted by the Owner to the County Engineer for approval prior to construction.

(c) Construction Details. Construction details are as follows:

1. The Combined Material (AB-3) base shall be placed under the supervision of the County Engineer or his representative.

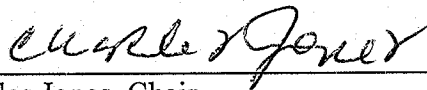
2. The Combined Material (AB-3) base for hard surfaced roads shall be placed full lane width or shoulder width by means of an approved aggregate spreader. The approved spreader shall be capable of distributing the base material at the desired uniform rate, free from segregation and requiring minimal blading after placement. Combined material (AB-3) base may be placed with an approved aggregate spreader or a motor grader for hard surfaced roads requiring less than 500 tons of base material and for aggregate surfaced roads.
3. Combined Material (AB-3) shall be mixed to specified moisture content utilizing the Central Plant Method or Travel Plant Method. The road mix method may be used for aggregate surfaced roads and hard surfaced roads requiring less than 500 tons of base material. The specified moisture content shall be the optimum moisture content as determined by laboratory analysis.
4. If the required compacted depth of the aggregate base course or shoulder exceeds six inches; construction shall be in two or more lifts of approximate equal thickness.
5. Immediately after placing the base material, the aggregate base course shall be compacted to a density of not less than 95% of standard Proctor compaction. Compaction equipment shall consist of pneumatic tired and/or steel drum rollers only.
6. The compacted base course shall be maintained and cured until the moisture content of the entire thickness of the base does not exceed 70 percent of optimum moisture content.
7. The County Engineer shall determine when the surface of the base has cured sufficiently to permit the bituminous application or other surfacing to be applied. If the Contractor chooses not to apply the bituminous prime or other surfacing at that time, he must maintain the surface at his expense (including application of the necessary water) until such time as it is applied.
8. The bituminous prime coat shall have sufficient time to thoroughly penetrate the base before application of the first seal.
9. The second seal coat shall not be applied until 30 days after the application of the first seal coat.

2. Repeal. This Resolution replaces Resolution Nos. 72-30, 72-31, and 78-26, as previously codified at Section 9-203 of the Douglas County Code, all of which are hereby repealed.

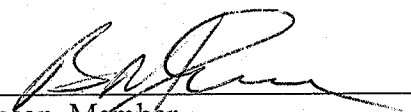
3. Effective Date. This Resolution shall take effect and be in force from and after its adoption and publication once in the official County newspaper.

IN WITNESS WHEREOF, the foregoing Resolution was adopted this 21st day of March, 2005.

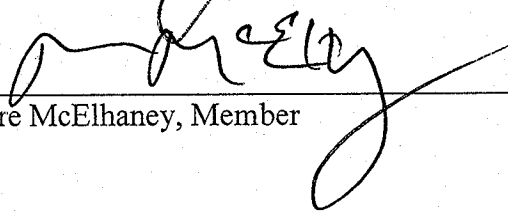
**BOARD OF COUNTY COMMISSIONERS OF
DOUGLAS COUNTY, KANSAS:**



Charles Jones, Chair

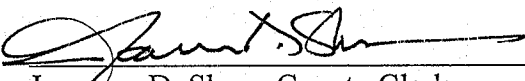


Bob Johnson, Member



Jere McElhaney, Member

ATTEST:



Jameson D. Shew, County Clerk