ORDINANCE NO. 2025-02

AN ORDINANCE AMENDING THE PAULDING COUNTY DEVELOPMENT REGULATIONS REGARDING SECTION 5.7 ENTITLED "BASE PREPARATION AND PAVING APPLICATION" AND SECTION 5.8 ENTITLED "REQUIRED PAVING SECTIONS"

STATE OF GEORGIA

COUNTY OF PAULDING

WHEREAS, the Board of Commissioners of Paulding County is authorized to enact resolutions and ordinances governing activities and properties in the unincorporated areas of Paulding County, Georgia;

WHEREAS, pursuant to O.C.G.A. § 32-4-41(1), the County has a legal duty to manage, control, and maintain an adequate county road system;

WHEREAS, pursuant to O.C.G.A. § 32-4-42(10), the County is authorized to enact ordinances which are necessary, proper, or incidental to the efficient operation and development of the county road system;

WHEREAS, the Board of Commissioners desires to amend its existing Development Regulations regarding Roadway Design and Construction Requirements so as to increase road durability and longevity within the County road system and to provide additional quality control testing to ensure regulatory compliance.

NOW THEREFORE BE IT ORDAINED as follows:

1.

The Development Regulations of Paulding County, specifically Section 5.7, entitled "Base preparation and paving application," and Section 5.8, entitled "Required paving sections"

are hereby amended as set forth on the attached Exhibit A (with ~~strikethrough~~ language indicating deletions and <u>underlined</u> language indicating additions).

2.

This ordinance shall be effective upon passage.

3.

The sections, subsections, paragraphs, sentences, clauses and phrases of this ordinance are severable, and if any section, subsection, paragraph, sentence, clause or phrase shall be declared illegal by the valid judgment or decree of any court of competent jurisdiction, such illegality shall not affect any of the remaining section, subsections, paragraphs, sentences, clauses and phrases of this ordinance.

4.

All ordinances and parts of ordinances in conflict herewith are expressly repealed.

5.

All other aspects of the Code of Ordinances of Paulding County, Georgia shall remain in full force and effect.

SO ORDAINED THIS 11th DAY OF March, 2025.

VOTE ON ORDINANCE

	Yes	**No**	**Abstain/Absent**
Timothy B. Estes	✓		
Post 1 Keith Dunn	✓		
Post 2 Sandy Kaecher	✓		
Post 3 Virginia Galloway	✓		

Post 4 Dean Schneider ✓ ____ ____

ATTEST:

Rebecca Mitchell

Clerk, Paulding County Board of Commissioners

BY & THROUGH BOARD OF COMMISSIONERS CORPORATE SEAL PAULDING COUNTY GEORGIA

EXHIBIT A

- **5.7 - Base preparation and paving application.**

5.7.1 *Streets within a residential subdivision (S1, S2 and S3).*

1) *Asphalt streets.* The following materials shall be used:

(a) Crushed stone base. The base course shall consist of at least ~~six to~~ eight inches of graded aggregate base, which shall be thoroughly compacted and brought to proper section. For sections less than four feet wide, eight inches of Class "A" concrete base (five inches on local and minor collector streets) and 1½ inches of ~~"E" or "F"~~ 9.5 mm or 12.5mm topping shall be required.

(b) Ninety-eight percent base compaction required on all graded aggregate base.

(c) Upon inspection and approval by the DOT inspector, the base shall be primed with 0.25 gallon of R.C. 70 per square yard and cured for three days prior to paving.

(d) Upon final approval of base course, two inches of ~~"B" modified~~ 19 mm binder shall be applied.

(e) The final ~~one~~ one and a half (1.5) inch of ~~type "F"~~ 12.5mm top course shall be applied after 75 percent of the houses on the street have been built.

(f) Prior to application of top course, base course shall be inspected and repaired.

(g) Prior to applying the top course, a tack coat shall be applied to the binder course at a rate of 0.05 gallons per square yard. The department shall approve type of tack prior to placement.

(h) All asphalt shall be compacted to 95 percent Standard Proctor.

(i) ~~Core samples will be taken on any road built without proper inspection to verify thickness and compaction of base and asphalt courses. If any core is deficient in thickness, by more than one-half inch, additional cores shall be taken to determine the area of deficient thickness and the developer will be required to correct the defect as per specifications.~~ Prior to the final platting of any development with public or private streets, asphalt cores will be taken as described below:

i. *For each street, a minimum four-inch diameter asphalt core sample will be taken for each five hundred lane feet of travel lane, or one per travel direction if the street length is less than three hundred feet. One core sample should be taken from each deceleration lane if a part of the development.*

ii. *If the core sample is found to be deficient in overall thickness greater than 1/8 inch, then additional cores will be taken in both directions away from the original core at fifty-foot intervals until a core with minimum required plan thickness is obtained.*

iii. *Each core sample thickness will then be averaged with all the core samples from the same street to obtain an overall average street pavement thickness. If the overall pavement thickness is deficient by 1/8 inch from the required plan thickness, then corrective measures will have to be taken or bonded prior to the final plat being recorded*

iv. *Core data will be collected utilizing an independent testing company of the Owner / Developer choice, with all data being furnished to the Department of Transportation directly from the testing firm. Once the data has been collected, the Owner / Developer*

will make a proposal for the Department of Transportation's approval as to how any corrective work will be accomplished.

(j) All asphalt job-mix formulas and application methods, including equipment operations, shall conform to the most recent version of the Georgia DOT ~~Construction of Roads and Bridge Manual~~ Standard Specifications Construction of Transportation Systems.

5.7.2 *Nonresidential development.*

1) These standards shall apply to new local and minor collector streets in nonresidential subdivision and other nonresidential projects.

2) *Asphalt streets.* The following materials will be used:

(a) Crushed stone base. The base course shall consist of at least eight inches - ten inches of graded aggregate base, which shall be thoroughly compacted and brought to proper section

(b) Ninety-eight percent base compaction required on all graded aggregate base.

(c) Upon inspection and approval by the DOT inspector, the base shall be primed with 0.25 gallon of R.C. 70 per square yard and cured for three days prior to paving.

(d) Upon final approval of base course two 2 - 5 inches of 19 mm ~~"B"~~ binder shall be applied.

(e) The final one and one-half inch of ~~type "E"~~ 9.5 mm or 12/5mm top course shall be applied after 75 percent of the buildings on the street have been built.

(f) Prior to application of top course, base course shall be inspected for damage and all repairs made.

(g) Prior to applying the top course, a tack coat shall be applied to the binder course at a rate of 0.05 gallons per square yard. The department shall approve type of tack prior to placement.

(h) All asphalt shall be compacted to 95 percent Standard Proctor.

(i) ~~Core samples will be taken on any road built without proper inspection to verify thickness and compaction of base and asphalt courses. If any core is deficient in thickness, by more than one-half inch, additional cores shall be taken to determine the area of deficient thickness and the developer will be required to correct the defect as per specifications.~~ Prior to the dedication to the public of any streets in a nonresidential development, asphalt cores will be taken as described below:

i. *For each public street, a minimum four-inch diameter asphalt core sample will be taken for each five hundred lane feet of travel lane, or one per travel direction if the street length is less than three hundred feet. One core sample should be taken from each deceleration lane if a part of the development.*

ii. *If the core sample is found to be deficient in overall thickness greater than 1/8 inch, then additional cores will be taken in both directions away from the original core at fifty-foot intervals until a core with minimum required plan thickness is obtained.*

iii. *Each core sample thickness will then be averaged with all the core samples from the same street to obtain an overall average street pavement thickness. If the overall pavement thickness is deficient by 1/8 inch from the required plan thickness, then corrective measures will have to be taken or bonded prior to the final plat being recorded*

iv. *Core data will be collected utilizing an independent testing company of the Owner / Developer choice, with all data being furnished to the Department of Transportation directly from the testing firm. Once the data has been collected, the Owner / Developer will make a proposal for the Department of Transportation's approval as to how any corrective work will be accomplished.*

(j) All asphalt job-mix formulas and application methods, including equipment operations, shall conform to the most recent version of the Georgia DOT ~~Construction of Roads and Bridge Manual~~ Standard Specifications Construction of Transportation Systems.

- **5.8 - Required paving sections.**

5.8.1 *Construction standards.* All roads shall be constructed in accordance with specifications prepared by Paulding County or Georgia DOT, or, if no design has been prepared, to the following standards as indicated by Table 5-B:

Table 5-B
Roadway Paving Sections

Street Category	Base (Inches)	Binder (Inches)	Topping (Inches)
Principal arterial	10 GAB	5*	1½ ~~E or F~~ 9.5 mm or 12.5 mm
Major arterial	10 GAB	4 ~~B~~ 19 mm	1½ ~~E or F~~ 9.5 mm or 12.5 mm
Minor arterial	10 GAB	3 ~~B~~19 mm	1½ ~~E or F~~ 9.5 mm or 12.5 mm
Major collector	10 GAB	3 ~~B~~19 mm	1½ ~~E or F~~ 9.5 mm or 12.5 mm
Minor collector	8 GAB	2 ~~B~~19 mm	1½ ~~E or F~~ 9.5 mm or 12.5 mm
Local and residential S3	8 GAB	2 ~~B~~19 mm	1 ½ ~~F~~ 9.5 mm or 12.5 mm
Residential S2 and S1	~~6~~ 8 GAB	2 ~~B~~19 mm	1 ½ ~~F~~ 9.5 mm or 12.5 mm
*2" type ~~"B"~~ 19 mm binder and 3" asphaltic concrete base.			