

ORDINANCE 82-8
SPECIFICATION FOR COUNTY ROADS

AN ORDINANCE to repeal Ordinance 82-1 and adopt a revised ordinance relating to a construction, maintenance and acceptance of roads in the Madison County Road system.

BE IT ORDAINED BY THE FISCAL COURT OF MADISON COUNTY, COMMONWEALTH OF KENTUCKY:

COUNTY ROAD REGULATIONS

100. MINIMUM SPECIFICATIONS FOR COUNTY ROADS

101 Fifty (50) foot right of way thirty foot(30) minimum between ditch line. Exceptions may be made by the fiscal court for roads constructed before January 1, 1980.

102. All County roads must be paved with blacktop or have a concrete surface.

103. Width 16 feet blacktop or concrete.

104. Two(2) foot shoulder on each side. Exceptions may be made by the fiscal court for roads constructed before January 1, 1980.

105. The owners shall be required to notify the County Judge/ Executive and the County Road Supervisor (Engineer) in writing at the beginning of the street or road development. The letter shall include an approved plat of the development showing roads and lots. The owner shall notify the Road Supervisor during each of the three-major phases of construction: grade and level, application of crushed limestone base and application of blacktop or concrete for Road Supervisor and the Court's examination.

106. Specification for blacktop -- amended by Ordinance 83-20
a. Three inches of blacktop

b. Grade and level the sub-base to proper elevation to receive the base. Roll sub-base with a ten (10) ton roller with wheels topped 1/2 on each run, vibratory roller, sheep foot roller or rubber tire roller to meet correct compaction. NO top soil will be used for grade level sub-base.

c. Provide a minimum of six (6) inches of crushed limestone base-six (6) inches minimum of dense grade or 610 crushed lime will be used in 3 inch layers and rolled as described in (b) above and allowed to set over (one winter) minimum to include twelve months.

d. Blacktop shall be laid in two courses. First course shall be 2" of base and second course shall be 1" surface Class I Blacktop.

- e. Instead of the aforementioned method at the developer's option roads may be prepared in the following manner:
 - (1) Two inches of blacktop
 - (2) Grade and level the sub-base to proper elevation to receive the base. Roll sub-base with a ten (10) ton roller with wheels topped 1/2 on each run, vibratory roller, sheep foot roller or rubber tire roller to meet correct compaction. NO top soil will be used for grade level sub-base.
 - (3) Provide a minimum of eight (8) inches of crushed limestone base-six (6) inches minimum of dense grade or 610 crushed lime will be used in 4 inch layers and rolled as described in (b) above and allowed to set over (one winter) minimum to include twelve months.
- f. Exceptions may be made by the fiscal court for streets constructed before January 1, 1980.

107. Specifications for concrete roads and streets

- a. Concrete. The concrete shall be proportioned in accordance with ASTM C 94 Specifications for Ready Mixed Concrete, Alternate 2. The 28 day compressive strength shall be 3,500. The entrained air content shall be 6 + 2 percent. The maximum permissible slump shall be 5 inches. If a slump in excess of 5" is required it shall be obtained by addition of an approved plasticizer ~~rather~~ than water. Fine and coarse aggregates are required to conform to gradation requirements of ASTM C 33. However, the maximum particle size of coarse aggregate shall be 1 1/2 inches.
- b. Subgrade. The sub-base should consist of a minimum of 3" of dense grade or 610 of crushed lime leveled and then compacted with a 10 ton roller, soft spots shall be removed, replaced with similar material to the surrounding subgrade, and compacted.
- c. Pavement Thickness. Concrete pavement thickness shall be 4".
- d. Placing Concrete. Concrete shall be spread on the subgrade so as to minimize the amount of movement during strikeoff. It shall be consolidated and struckoff to specified elevation. Slipform pavers may be utilized for placing and consolidating concrete streets.
- e. Finishing Concrete. Concrete shall be checked for smoothness and given a burlap and/or a broom texture to provide a uniform gritty surface. Any water permitted during finishing shall be a fog spray.

f. Curing. Concrete shall be cured by application of a white pigmented curing compound meeting the requirements of ASTM C 309. It shall be applied uniformly at not less than one gallon per 200 square feet as soon as possible after the water sheen has disappeared from the surface of the concrete.

g. Joints. Joints shall be constructed to control longitudinal and transverse cracking. The maximum spacing of transverse joints shall be 10 feet. Longitudinal joints shall be spaced a maximum of 12 foot intervals. Joints may be sawed, formed or constructed by insertion of joint materials. The minimum depth of joint shall be one-fourth of the slab thickness. They shall be continuous across the full width of pavement including curbs and curbs and gutters. Sawing shall be accomplished as soon as possible but without ravelling.

Butt type joints shall be installed at construction joints and at location of expansion joints. Expansion joints shall be located whenever the pavement abuts immovable objects and shall contain a minimum of 1/2 inch thickness filler for the full depth and width of pavement. Expansion joint filler shall conform to ASTM D 99r.

h. Curbs. Curbs, if present, shall be constructed along the edge of all streets where shown in the plans and shall be formed to the cross section specified. Curbs, and curbs with gutters, may be constructed integrally with the pavement using slipform or extrusion equipment or placed immediately after finishing operations by using forms or they may be hand formed. Also, they may be constructed as a separate operation before or after pavement construction using forms, slipform or extrusion equipment. If constructed prior to the pavement, the curb and gutter section may be used as forms.

Curbs and curbs and gutters shall be finished, textured and cured in the same manner as the pavement.

i. Opening to Traffic. The pavement shall be protected from use by truck traffic for at least 14 days. Cars, pickup trucks and vans may be permitted on the completed pavement after 3 days if the site-cured cylinders have attained a compressive strength of 300 psi.

j. Protection. The contractor shall be responsible for protecting the pavement from the elements. Rain, cold, heat and sudden changes in weather can be detrimental to concrete pavement unless provision is made to offset these elements.

200 REGULATIONS FOR COUNTY SUB-DIVISION ROADS AND RIGHT OF WAYS

201. Fifty (50) feet minimum right of way. Exceptions may be made by the fiscal court for streets constructed before January 1, 1980.

202. Thirty (30) feet minimum road between ditch lines or thirty (30) feet minimum of curb and gutter is used. Exceptions may be made by the fiscal court for streets constructed before January 1, 1983.

203. Twenty (20) feet minimum blacktop surface or concrete. Exceptions may be made by the fiscal court for streets constructed before January 1, 1980.

204. Regulations on composition of roadway: Amended by Ordinance 83-20

- a. Grade and level the sub-base to proper elevation to receive the base. Roll sub-base with a ten (10) ton roller with wheels topped 1/2 on each run, vibratory roller, sheep foot roller or rubber tire roller to meet correct compaction. NO top soil will be used for grade level sub-base.
- b. Provide a minimum of six (6) inches minimum of dense grade or 610 crushed lime will be used in 3 inch layers and rolled as described in (2) above and allowed to set over (one winter) minimum to include twelve months.
- c. Apply a minimum of three inches of bituminous concrete, Class I blacktop, hot mix, hot laid in two layings as described in section 106(d) of this ordinance after compaction of five (5) to eight (8) ton tandem roller or equal.
- d. Instead of the aforementioned method at the developer's option roads may be prepared in the following manner:
 - (1) Grade and level the sub-base to proper elevation to receive the base. Roll sub-base with a ten (10) ton roller with wheels topped 1/2 on each run, vibratory roller, sheep foot roller or rubber tire roller to meet correct compaction. NO top soil will be used for grade level sub-base.
 - (2) Provide a minimum of eight (8) inches of crushed limestone base-six (6) inches minimum of dense grade or 610 crushed lime will be used in 3 inch layers and rolled as described in (2) above and allowed to set over (one winter) minimum to include twelve months.
 - (3) Apply a minimum of two inches of a bituminous concrete, Class I blacktop, hot mix, hot laid in one course after compaction of five (5) to eight (8) ton tandem roller or equal.
- e. Exceptions may be made by the fiscal court for streets constructed before January 1, 1980.

205. Concrete specifications for sub-division streets are the same as in Section 107.

206. All streets in the subdivision shall be properly marked as to street names with manufactured signs with sign posts to be of two (2)

(206)

inch pipe and must exceed a minimum of seven (7) foot above the ground when set. All street named signs will be properly set in concrete. All roads or streets when terminating will have manufactured yield or stop signs provided by the subdivider.

207. A minimum of a 15 inch culvert of corrugated steel or concrete pipe will be used in the roadway ditches. A minimum of 24 feet length will be used on all entrances.

208. All roads will have a minimum of a two (2) foot shoulder of three (3) inch crushed limestone rolled as described in Section 204a above if curb and guttering is not used. The ditch line will be properly pulled and graded and seeded with a minimum of one (1) pound of Kentucky 31 Fescue and one (1) pound of Annual Rye Grass per one thousand square feet. The seeded area will be mulched with a sufficient amount of straw or other suitable material.

209. The owners shall be required to notify the County Judge/Executive and County Road Supervisor (Engineer) in writing at the beginning of the street or road development. The letter shall include an approved plat of the development showing roads and lots. The owner shall notify the Road Supervisor during each of the three major phases of construction grade and level, application of crushed limestone base, and application of blacktop and concrete for Road Supervisor and the Court's examination.

300 SPECIFICATION-SCHOOL BUS TURN AROUNDS

301. This regulation applies to the building of the bus turn around by private contractors or developers.

- a. All turn arounds shall not be less than fifty (50) feet in diameter.
- b. Turn arounds shall be built to the same specification as the road to which they are adjacent.

400. ROAD DEDICATION

401. Before any road can be accepted, with possible exception of public passways, the County Road Supervisor must file with the Fiscal Court a document certifying the road meets the minimum road requirements.

403. Existing roads or roads constructed without the notification or inspection required in Section 105 or Section 209 of this ordinance may be accepted at the discretion of the fiscal court upon the condition that the County Road Supervisor files a certification with the Court that the road meets the minimum road specification which can be determined at the time of inspection and that the party requesting dedication of the road post a bond for one year warranting the road excepting, ordinary wear and tear, in the sum of \$1,000 per mile with any fraction of a mile constituting the next highest whole mile. For example .5 mile requires a \$1,000 bond while 2.5 miles would require \$3,000 bond

500. UTILITIES OR ROAD OBSTRUCTIONS

501. Owners or occupant of land situated along public road shall remove from right of way all obstruction, including fences and buildings or trees and shall not place anything in the ditch line without prior approval of the fiscal court.

502. Telephone, electric or other utilities which place poles and/or wires in the county right of way and said poles and/or wires in the judgement of the Madison County Road Supervisor obstruct use of the public road, shall upon notice reset poles and/or wires. If the utility fails to respond within thirty days of said notice the County shall move poles and/or wires and bill said utility for the costs.

503. Any person or company wishing to locate pipes and/or wires under the ground of county right of way including the ditch line, shall bury said pipes and/or wires not less than 36 inches deep.

504. Any person or company that desires to excavate across or along any public road shall fill up all excavations made by them and shall make the public road in all respects as good as it was before the excavation was made, and keep it in such condition. Repairs shall be made within 14 days from excavation. If repairs are not made the County shall make repair and bill the person or company for costs.

505. Madison County Fiscal Court reserves the right to refuse use of county right of way if excavation would substantially damage or hinder said right of way and/or county road.

506. Before any person or company excavates across or along a County road, said person or company shall come before the fiscal court giving the court notice of excavation and inform court of estimated time before all repairs to road will be complete. Court may require person or company to place utility at specific location in county easement.

507. Before any person or company can excavate along or across the county road right of way, said person or company shall notify the County Road Supervisor of intention to excavate and allow County Road Supervisor to examine site. The County Road Supervisor will report to the fiscal court his findings in this matter.

600. VIOLATIONS

601. Any person violating any provision of this ordinance (County Road Regulations) shall, upon conviction, be fined not less than ten dollars (\$10.00) nor more than one hundred dollars (\$100.00) for each conviction. Each day of violation shall constitute a separate offense.

NOW THEREFORE be it ordained that the Madison County Fiscal Court establishes the aforementioned terms as rules and regulations for County Roads in Madison County.