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VERONICA A RARDIN, COUNTY RECORDER
 BOONE IOWA

Ret. Boone Co Auditor
**BOARD OF SUPERVISOR
 BOONE COUNTY, IOWA**

ORDINANCE NO. 133

**AN ORDINANCE TO ESTABLISH A POLICY FOR THE CONSTRUCTION AND
 RECONSTRUCTION OF ROADWAYS AND BRIDGES ON THE BOONE COUNTY
 SECONDARY ROAD SYSTEM.**

BE IT ORDAINED BY THE BOARD OF SUPERVISORS BOONE COUNTY:

SECTION 1 -- PURPOSE

The purpose of this ordinance is to establish Boone County's policy for the construction of roads, reconstruction of roads, construction of bridges, reconstruction of bridges and other roadway and drainage features associated with road and bridge construction.

SECTION 2 -- LEVEL OF SERVICE

The level of service shall be based on traffic counts, pavement type, roadway geometrics and other data used in accepted engineering design as established by the County Engineer, Iowa Department of Transportation and the Federal Highway Administration.

SECTION 3 -- DESIGN CRITERIA

In implementation, this policy shall set the minimum design standards that Boone County will follow in the construction or reconstruction of roads and bridges. These criteria shall be based on accepted engineering practices and standards established by the Iowa Department of Transportation and the Federal Highway Administration.

The County Engineer shall assure the minimum design standards established herein are adhered to in a uniform manner unless, in his or her professional judgment, a deviation from standards is warranted. Minimum design standards are not subject to discretionary enforcement. Any deviations must be documented as unreasonable and or impossible to implement by the County Engineer and/or the County Board of Supervisors.

PAVED ROUTES**A) New Pavement**

1) New pavement shall be constructed with a 22' wide pavement and granular shoulders.

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- 3) Concrete rumble strips shall be installed on all approach stop situations.
 4) Concrete pavement will be the first choice for pavement provided clear zone and shoulder widths can be maintained by design requirements.
 5) Boone County requires a minimum of 100' for Right of Way on all new pavements

B) Reconstruction of Pavement

1. Paved roads shall be reconstructed with a 22' wide pavement or to the previous pavement width, whichever is greater with granular shoulders.
 2. Concrete rumble strips shall be installed on all approach stop situations.
 3. Both Hot Mix Asphalt or Concrete may be used for reconstruction projects. Traffic counts, shoulder width, right of way constraints and clear zone will govern this decision.

UNPAVED ROADS**A) Gravel Roads**

- 1) New construction of a gravel road shall have a 28' finished top, including shoulders.
 2) Reconstruction of a gravel road shall be to the previous width prior to reconstruction.

B) Class B & C Roads

- 1) Class B and C roads will be built to the minimums as outlined by Iowa Code.

BRIDGES & Drainage Structures**A) Paved Routes**

- 1) Bridges on paved routes shall be built with a minimum width of 30 feet. Wider structures will be installed when there are issues relating to oversized vehicles, pedestrian facilities, biking usage or other issues where the additional width is felt to be warranted.
 2) Culverts under paved roads shall be concrete.
 3) Pipe culverts larger than 54" in diameter may be substituted with reinforced box culverts.
 4) Design for drainage structures will be governed by accepted hydraulic design standards. Input from IDNR, Corp of Engineers, Iowa DOT, NRCS, or USGS may impact the size and type of the structure to be placed.

B) Unpaved Routes

- 1) Bridges will normally be a minimum of 30' on gravel roads. Dead end roads may be narrower at the discretion of the County Engineer
 - 2) Culverts may be metal or concrete. Pipe culverts larger than 54" in diameter may be substituted with reinforced box culverts.
 - 3) Design for drainage structures will be governed by accepted hydraulic design standards. Input from IDNR, Corp of Engineers, Iowa DOT, NRCS, or USGS may impact the size and type of the structure to be placed.
- C) Class B & C Roads
Class B and C roads will be built to the minimums as outlined by Iowa Code.
- D) Entrance Bridges
Any and all bridges/drainage structures that are fully or partially in the road right-of-way that serve as entrances to private property from the public roadway shall be considered the jurisdiction and responsibility of the County. If a structure does not sit fully or partially in the road right-of-way it will be considered a private structure and not under the jurisdiction of the county.

SECTION 4 -- REPEALER

All ordinances and resolutions, or parts thereof, in conflict herewith are hereby repealed.

SECTION 5 -- SEVERABILITY CLAUSE

If any section, provision, or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the ordinance as a whole or any section, provision, or part thereof not adjudged invalid or unconstitutional.

SECTION 6 -- WHEN EFFECTIVE

This ordinance shall be in effect immediately after its final passage and publication as provided by law. In addition, this ordinance shall remain in effect until such time the Board of Supervisors passes a future ordinance repealing this ordinance.

* *Not used for future use*

ACTION UPON FIRST READING

Moved by: Hollingshead
 Seconded by: Duffy
 Discussion:

DATE: June 29, 2016

AYES (A), NAYES (N), ABSENT (X):

Steve Duffy

Chet Hollingshead

Tom Foster

ACTION UPON SECOND READING

DATE: July 6, 2016

Moved by: Duffy

Seconded by: Foster

Discussion: Approve second reading, waive third reading and adopt Ordinance 133.

AYES (A), NAYES (N), ABSENT (X):

Steve Duffy

Chet Hollingshead

Tom Foster

ACTION UPON FINAL READING

DATE: WAIVED on July 6, 2016

Moved by: _____

Seconded by: _____

Discussion:

AYES (A), NAYES (N), ABSENT (X):

Steve Duffy

Chet Hollingshead

Tom Foster

/s/ *Thomas J. Foster*
Chairman
Boone County Board of Supervisors

July 6, 2016
Date

/s/ *Philippe E. Meier*
ATTEST
Philippe E. Meier, County Auditor

July 6, 2016
Date

