

CHAPTER 9  
ROAD AND BRIDGE CONSTRUCTION ORDINANCE  
TITLE IV - STREETS, ROADS, PUBLIC WAYS & TRANSPORTATION

SECTION 1. PURPOSE

The purpose of this ordinance is to provide design guidelines for new construction or complete reconstruction of road or bridge projects on rural collectors and rural local roads in Jones County.

SECTION 2. DEFINITIONS

For use in this ordinance, certain terms and words used herein shall be interpreted or defined as follows:

- A. Board of Supervisors: The Jones County Board of Supervisors.
- B. Roadway Top Width: The traveled way plus the shoulder width.
- C. Rural collectors and rural local roads: The secondary roads as designated by the Iowa Department of Transportation and found on the Federal Functional Classification Map.
- D. Traveled Way: The pavement or surfacing width of the road.

SECTION 3. DESIGN CONSIDERATIONS

The objective of the engineering design of any public facility is to satisfy the demands for service in the safest and most economical manner while maintaining the integrity of the environment. On new or complete reconstruction projects, the selected design speed should be consistent with the proposed or existing operating speed limit. Any individual curves below this design speed may require mitigation by placement of warning signs and/or markings such as: curve or turn signs, advisory speed plaques, chevrons, no passing lines, edgelines, or reduced speed zones.

SECTION 4. DESIGN GUIDELINES

These guidelines are presented for new or complete reconstruction projects on rural collectors and rural local roads. Each design element of each project should reflect the most practicable and economically justified value.

DESIGN ELEMENTS	PAVED ROADWAY	NON-PAVED ROADWAY
Design Speed (mph)	55	55
Traveled Way (ft)	22	22
Shoulder Width (ft)	6	3
Roadway Top Width (ft)	34	28
New Bridge Roadway Width (ft)	30	30
Foreslope	3:1	3:1

SECTION 5. ADDITIONAL DESIGN GUIDELINES

Culverts under paved roads shall be concrete.

Design for drainage structures will be governed by accepted hydraulic design standards. Input from IDNR, Corp of Engineers, Iowa DOT, FHWA, NRCS, or USGS may impact the size and type of the structure to be placed.

SECTION 6. 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 7. 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 Jones County Board of Supervisors adopts a future ordinance repealing this ordinance.

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