

TOWN OF NAVARINO
Ordinance 3-2004

MINIMUM HIGHWAY DESIGN STANDARD

The Town Board of the Town of Navarino, Shawano County, does ordain as follows:

1.01 **TITLE.** Minimum Highway Design Standards.

1.02 **PURPOSE.** To establish minimum highway design standards for highways being constructed in the Town to accommodate anticipated traffic and afford satisfactory access to police, firefighting, snow removal, sanitation, and road maintenance equipment.

1.03 **APPLICABILITY.** This ordinance shall be applicable to all highways laid out by the
Town Board after adoption of this ordinance, including any highways dedicated in plats for proposed subdivisions submitted for review pursuant to Chapter 236 of Wis. Stats., any private highway being donated to the Town, and any other highways being accepted by the Town as public highways in the Town.

1.04 **DEFINITIONS.**

- a. Approach – that portion of a road extending 100 feet on each side of a culvert or bridge.
- b. Base Course – the supporting base material of the roadway, including shoulder.
- c. Drainage – the gradual drying of highway by system of ditches, trenches, channels, etc.
- d. Grade – the rate of ascent or descent of roadway.
- e. Highway – the road or way over which the public generally has the right to pass, to include the complete right-of-way.
- f. Road Bed – the whole material laid in place and ready for travel.
- g. Roadway – the traveled portion of the highway.
- h. Surface – the top of the roadway, or untraveled surface.

1.05 **MINIMUM ROAD DESGN STANDARDS. (See attached drawing).**

- a. Minimum right-of-way shall be 4 rods wide.
- b. Minimum width of base course, including shoulders, shall be 30 feet.
- c. Shoulders shall be 4 feet wide; bituminous aggregate shall be 22 feet.
- d. Ditches shall be sloped at a ratio of 3:1.
- e. All organic material shall be removed and filled in with material of a quality, thickness and composition suitable for the location.
- f. Road surface shall be 6" compacted broken rock and 6" compacted gravel.
- g. Shoulders shall be crushed aggregate brought up to road level.
- h. Final Surface must consist of asphalt pavement (hot mix blacktop) composition suitable for anticipated traffic loads. The minimum amount of pavement

necessary for acceptance must be at least 2.5" in thickness applied in two layers.

i. The ditching of a roadway must be complete and have proper elevation to provide for adequate drainage. Any culverts necessary for proper drainage shall be installed after elevation and location is obtained from the Town Board. The minimum length of any culvert installed in a road bed shall be at least two feet greater than the base course width. Apron end walls shall be used. The diameter and length will be subject to the approval of the Town Board, after the amount of the flowage is determined. In no case shall the culvert be less than 18" in diameter.

1.06 **BRIDGES.** All bridges shall meet the minimum requirements of state and federal

law. In the event it is decided by the Town Board that the construction of a bridge would be of a size and cost that it would create a hardship to the owner of land required to build said bridge, then the Town Board may proceed to accept the road, complete as required above, except that part extending 100 feet on each side of said bridge (approach). The approach will be accepted uncomplete with the reservation that the Town will bill back to the owner a portion of the cost of construction of such bridge. The Town will proceed to build said bridge and approach with the help of bridge aid if available, and bill the balance not covered by the aid back to the owner.

1.07 **AUTHORITY FOR HIGHER STANDARDS.** The road design standards in Section 1.05 above are intended to be minimum design standards. The Town Board shall have the discretion to impose higher design standards where the opinion of the Town Board local conditions require higher standards or anticipated traffic in quantity will require higher standards.

1.08 **APPLICATION FOR DETERMINATION OF APPLICABLE STANDARDS.** Any person may apply to the Town Board to determine what design standards should apply in a particular location, giving the description of the proposed highway and design standards. No person shall commence construction or improvements of any highway anticipated to be turned over to the Town without having written approval of the proposed highway design by the Town Board.

1.09 **FINAL INSPECTION AND ACCEPTANCE BY THE TOWN BOARD.** Upon completion of the proposed highway, the Town Board will proceed to make final inspection, accepting or rejecting the highway as the case may be in the discretion of the Town Board. If the highway is rejected, then corrections must be made as stated by the Town Board before final inspection will be made again. If final acceptance is made by the Town Board, the owner will turn over to the Town a warranty deed free and clear of any liens necessary to convey free and clear title to the Town for the highway.

Adopted this 8 day of September, 2004.

Posted this 8 day of September, 2004.