

Ordinance 2015-02
New Town Road Specification Ordinance

Section 1: Purpose

The purpose of this Ordinance is to set forth the minimum specifications for the construction of any new or existing road which may be accepted by the Town of Phelps, Vilas County, Wisconsin as a part of its town road system.

Section 2: General Provision

Upon passage of this Ordinance, the following shall apply to any new or existing road that is presented to the Town of Phelps for consideration of addition to the Phelps Town Road System. All items covered within this ordinance shall be in accordance with the Town of Phelps Standard Specification.

A) Road Plans and Profiles

- (1) The owner/developer shall provide road plans and profiles showing existing ground surface, proposed and established road grades, including extensions for a reasonable distance beyond the limits of the proposed subdivision when requested. All elevations shall be based upon United States Geological Survey (USGS) data.
- (2) Submitted plans and profiles shall meet the requirements of this ordinance and the Town of Phelps Standard Specifications as well as the approval of the Town Crew Foreman. Specifications are on file at the Town of Phelps Town Hall and can be obtained by request.

B) Road Design Standards

(1) Minimum Right-of-Way

- a. The minimum right-of-way of all proposed roads and alleys shall be of the width specified by any applicable master plan, official map, comprehensive plan or neighborhood development study; or if no width is specified therein, the minimum width shall be 66 feet.

(2) Cul-de-Sac Streets

- a. Roads designed to have one end permanently closed shall not exceed 1,000 feet in length where water utilities are installed, unless otherwise approved by the Town Crew Foreman and Town Fire Chief.
- b. Roads which are designed to have one end permanently closed shall terminate in a circular turnaround having a minimum right-of-way diameter of 120 feet, and a minimum outside asphalt edge diameter of 96 feet.
- c. The reverse curve on a cul-de-sac shall have a 50 foot minimum radius when the bulb is centered on the street and a 100 foot minimum radius when the bulb is offset.

(3) Road Grades

- a. Unless necessitated by exceptional topography, the centerline grade of any road shall not exceed 10 percent or be less than 1 percent, unless otherwise approved by the Town Crew Foreman.
- b. All changes in road centerline grades shall provide sight distances as conditions require as determined by the Town Crew Foreman.
- c. Roadside ditch flow line shall not exceed 10 percent grade nor have less than a 1 percent grade, unless otherwise approved by the Town Crew Foreman.

(4) Radius of Curvature

- a. When a continuous road centerline deflects at any one point by more than ten (10) degrees, a circular horizontal curve shall be introduced having a radius of curvature on said centerline of not less than the following:

Collector Roads: 250 feet.

Local Roads: 150 feet.

- b. A tangent at least one hundred fifty (150) feet in length shall be provided between reverse curves on collector roads, and 100 feet in length between reverse curves on local roads.

(5) Intersections

- a. Roads shall intersect each other at as nearly right angles as topography and other limiting factors of good design permit.
- b. The number of roads converging at one intersection shall not be more than two. The number of intersections along major roads and highways shall be held to a minimum. Wherever practicable the distance between such intersections shall be no less than twelve hundred (1,200) feet.
- c. Local roads shall not necessarily continue across arterial or collector roads, but if the centerlines of such minor roads approach the major roads from opposite sides within three hundred (300) feet of each other, measured along the centerline of the arterial or collector road, then the location shall be so adjusted so that the centerline of adjoining roads across the major or collector road is continuous, and a jog is avoided.
- d. The point of curve of the centerline of a curved road which intersects another road shall be no less than 15 feet, on the property side of the property line of the intersected road.

C) Construction Standards

- (1) Preparation of roadway subgrade, including all excavation, placement and compaction of fill material shall be completed per the Town Specifications. Fill material within the proposed town road right-of-way shall be free of stumps or brush and approved by the Town Crew Foreman prior to placement. All proposed town roads shall have a minimum road bed width of not less than 30 feet.
- (2) All finished cut and fill areas along the road right-of-way shall have no less than three-to-one (3:1) slope. All ditches parallel to the roadway shall be constructed to a minimum one (1) foot depth below road subgrade to adequately drain the base course unless existing topography does not allow and or approved by the Town Crew Foreman.
- (3) Road grades shall be established, wherever practical, in such a manner to avoid excessive grading, removal of ground cover and tree growth and general leveling of the topography.
- (4) All proposed town roads shall have installed thereon, such bridges and culverts as are necessary for the orderly flow of water, so as to divert said water from the flooding of the road. Culvert design calculations shall be provided to the Town Crew Foreman upon request. The size and length of each culvert pipe shall be approved prior to installation.
- Minimum coverage over any culvert pipe shall be 18 inches under the paved roadway. Culvert pipe material shall be smooth interior wall polyethylene, such as Hancor Hi-Q, ADS N-12, or an approved equivalent. Apron end walls are required on both ends of the culvert pipe.
- (5) The road subgrade shall be proof rolled with a fully loaded tri-axle, or a quad-axle dump truck with the tag wheels raised, in the presence of the Town Crew Foreman, who will identify any areas that may require additional depth of base material.
- (6) Gravel base course shall be placed to the line, and grade shown on the plans with a minimum depth of twelve (12) inches, consisting of six (6) inches of $\frac{3}{4}$ " gravel base course over a minimum of six (6) inches of 3" breaker run. The in-place base material shall be proof rolled with a fully loaded tri-axle, or a quad-axle dump truck with

the tag wheels raised, in the presence of the Town Crew Foreman, who will identify any soft areas prior to paving.

- (7) All proposed town roads shall have a minimum asphalt surface width of 20 feet with such surface to be a minimum of 3-1/4 inches thick, placed in two lifts per Town Specifications unless otherwise approved by the Town Crew Foreman. Asphalt pavement shall be placed over gravel base course material. The minimum width of gravel shoulder shall be three (3) feet.
- (8) The owner/developer is required to provide lien waivers from any and all contractors that have performed work or supplied materials on the project to the Town Crew Foreman prior to the road being presented to the town board for consideration.
- (9) Upon completion of a roadway to be presented for acceptance into the town roadway system, the Town Crew Foreman shall make a final inspection of the road. If, during the inspection, deficiencies are noted in the construction, such deficiencies must be corrected prior to the road being presented to the town board for consideration. Upon acceptance by the Phelps Town Board, the owner or owners shall deed to the township, the right-of-way necessary for future maintenance of the roadway, including any wider right-of-ways needed for cut and/or fill sections.
- (10) The requirements of this ordinance shall be applicable to all roads that are to be dedicated to the Town, regardless of whether such roads are part of a new subdivision or land division.

Section 3: Severability

- (1) If any provision of this ordinance or its application to any person or circumstance is held invalid, the invalidity does not affect other provisions or applications of this ordinance that can be given effect without the invalid provision or application, and to this end, the provisions of this ordinance are severable.
- (2) The provisions of this ordinance shall be deemed severable and it is expressly declared that the County/Town would have passed the other provisions of whether or not one or more provisions may be declared invalid.
- (3) This ordinance will be reviewed as deemed necessary.
- (4) This ordinance can be modified and/or repealed at any time should just cause be found for excessive violation and issues of harm and safety to the public or the environment.

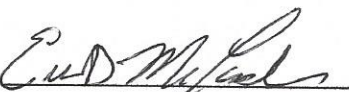
Section 4: Effective Date

Following passage by majority vote of the Phelps Town Board, this ordinance shall take effect the day after the date of publication or posting as provided by sec. 60.80, Wis. Stats.

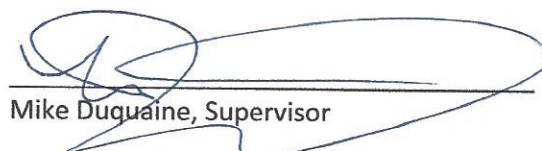
Adopted this 14 day of May, 2015

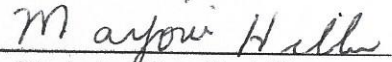

Steve Doyen, Chairman

Dorothy Kimmerling, Supervisor


Eugene McCaslin, Supervisor


Steve Waier, Supervisor


Mike Duquaine, Supervisor

ATTEST: 
Marjorie Miller, Clerk/Treasurer

Published & Posted: May 27, 2015