

SEC. 17.6.71 SPECIFICATIONS FOR PREPARATION, CONSTRUCTION AND DEDICATION OF STREETS AND ROADS.**(a) General Requirements.**

(1) Construction Standards. All roadway construction and materials used shall be performed in accordance with the construction methods as listed in the appropriate sections of the "State of Wisconsin Department of Transportation Standard Specifications for Road and Bridge Construction" and its supplements, and this Chapter, whichever is more restrictive. The design requirements of this Section and Section 17.6.70 shall be applicable to all streets and roads that are to be dedicated to the Village, regardless of whether such streets or roads are part of a new subdivision or land division.

(2) Project Costs. All roadway surveys, dedications, plans and specifications and construction will be at the expense of the applicant or applicants. This includes any expense incurred by the Village in the preparation of plans and review and inspection of plans and construction.

(3) Preliminary Consultation. Prior to the design, preparation and construction of any roadway to be dedicated to the Village of Biron, the applicant shall notify the Village Clerk. An on-site meeting will then be arranged to be attended by the Village Engineer and the applicant. Plans must be provided in order for the Village Engineer to check the design and the drainage.

(4) Material Slips. Copies of material slips for all materials furnished for the road construction projects shall be delivered to the Village before the Village approves the final construction.

(5) Required Inspections. Although the Village Engineer may conduct inspections as necessary at any state of construction, the Village Engineer shall be contacted for required inspections after the following phases of construction:

- a. Subbase grading;
- b. Crushed aggregate base course;
- c. Bituminous surface course; and
- d. Shouldering.

Any deficiencies found by the Village Engineer shall be corrected before proceeding to the next phase of construction.

(6) Tests of Materials. The Village reserves the right to obtain a sample of the roadway base material prior to placement on the roadway for purposes of determining whether the material meets gradation and soundness requirements.

(7) Pavement Samples. Samples of bituminous concrete will be taken by the Village during pavement construction operations for purposes of determining that the material meets specifications.

(b) Construction Standards. All streets and highways constructed in the Village or to be dedicated to the Village shall fully comply with the following construction standards:

(1) Right-of-Way Width.

- a. Arterial streets: Minimum of eighty (80) feet.
- b. All other streets and roads: Minimum of sixty-six (66) feet.
- c. Cul-de-sacs: Minimum of sixty-six (66) feet.

(2) Roadway Ditches. Minimum ditch slope of fifty one-hundredths percent (0.50%).

(3) Roadway Sub-Base.

a. Residential and rural roads and streets shall have a minimum roadway base thickness of eight (8) inches of compacted in-place crushed aggregate base course of gradation No.2 in the top layer and gradations No.1 and No.2 in the lower level.

b. On commercial, arterial or other heavy-use roads, as determined by the Village Board, a base course of ten (10) inches compacted shall be constructed upon an inspected and approved subgrade, either well-graded crushed gravel from a state-approved pit with a maximum stone of one and one-half (1-1/2) inches and no greater than ten percent (10%) by weight passing a No. 200 sieve or No.3 crushed rock approximately six (6) inches m depth

and one (1) or more layers of fine aggregate, either three-fourths (3/4) inch crushed gravel, well-graded with no greater than ten percent (10%) passing a No. 200 sieve, or three-fourths (3/4) inch traffic-bound crushed rock.

c. In the case of commercial, arterial or other heavy-use roads, the Village Board may, in the alternative to the above standards, have the Village Engineer provide specifications for such roads after researching the site(s) and conducting a soil analysis.

d. In any case, the Village Board shall have the sole discretion in determining the use and construction classification to be adhered to.

e. In all cases, the base course shall be compacted to the extent necessary to produce a condition so that there will be no appreciable displacement of material laterally and longitudinally under traffic and shall conform to line, grades and shape shown on the approved plans, profiles and cross sections.

(4) Roadway Sub-Base. Stable and nonorganic material required. Unstable and organic material must be subcut, removed, and replaced with a suitable, granular or breaker-run material approved by the Village Engineer.

(5) Pavement Width. Minimum of thirty-six (36) feet gutter edge to gutter edge for Urban Service Area minor streets and forty (40) feet gutter edge I; to gutter edge for collector streets or streets serving commercial or industrial areas, and wider when required by this Subdivision Ordinance, the more restrictive of which shall apply.

(6) Pavement Thickness. Residential, minor and rural roads shall have a minimum of two and one-half (2-1/2) inches thick compacted bituminous concrete pavement, placed in two (2) layers -- a binder course of one and one-half (1-1/2) inches thick and a surface course of one (1) inch. On commercial, arterial or other heavy-use roads, there shall be a minimum of three and one-half (3-1/2) inches of bituminous concrete pavement, placed in two (2) layers -- a binder course of two (2) inches thick and a surface course of one and one-half (1-1/2) inches thick. In the case of commercial, arterial or other heavy-use roads, the Village Board may, in the alternative to the above standards, have the Village Engineer provide specifications for paving such roads after researching the site(s) and conducting a soil analysis. In any case, the Village Board shall have the sole discretion in determining the use and construction classification to be adhered to.

(7) Shoulder Width. Minimum of two (2) feet wide on each side and wider when required by the Village Engineer.

(8) Shoulder Thickness. Minimum of two and one-half (2-1/2) inches of compacted in-place crushed aggregate base course - gradation No.2 or No. 3 over a minimum of eight (8) inches of compacted in-place crushed aggregate base course.

(9) Roadway Culverts and Bridges. Roadway culverts and bridges shall be constructed as directed by the Village Engineer and sized utilizing the methods listed in Chapter 13, entitled "Drainage," of the "Facilities Development Manual" of the Wisconsin Department of Transportation. All roadway culverts shall be provided with concrete or metal apron endwalls.

(10) Driveway Culverts. Driveway culverts shall be sized by the Village Engineer. The culverts shall be placed in the ditch line at elevations that will assure proper drainage, and they shall be provided with concrete, metal or landscape timber endwalls.

(11) Topsoil, Grass, Seed, Fertilizer and Mulch. All disturbed areas (ditches, backslopes within the road right-of-way not provided with pavement and shouldering material shall be restored utilizing four (4) inches of topsoil and good quality grass seed, fertilizer and mulch. Ditches along the roadway with greater than a two and one-half percent (2.5%) slope shall be protected by erosion control materials such as hay bales, sod, erosion control mats, etc.

(12) Drainage Improvements. In the case of all new roads and streets, the Village Board may require that stormwater retention areas and storm sewers be constructed in order to provide for proper drainage.

(c) Statutory Requirements. The laying out of highways and roads shall be as provided in Chapters 80 and 86, Wis. Stats., except that in the case of sub-divisions and certified surveys, the provisions of Sec. 236.29(2), Wis. Stats., shall apply.