

EDNA TOWNSHIP SPECIFICATIONS for ROADS

(Adopted March 10, 1998)

(Amended March 12, 2002)

(Amended November 19, 2019)

(Amended February 15, 2022)

- 1. The road right-of-way shall be a minimum of 66 feet. This road must be dedicated to the public.**
- 2. The road right-of-way shall be clear of all trees, brush and buildings.**
- 3. Dead-End roads must have a cul-de-sac with a minimum 60 foot radius, 120 foot diameter.**
- 4. The top surface of the road must be 24 feet in width. If blacktopped, the asphalt surface should be 24 feet with 2 feet of Class 5 shoulders making a 28 foot top width.**
- 5. Ditches shall be 3 feet below the crown of the road.**
- 6. The road surface must have a minimum of 4 inches of compacted Class 5 material.**
- 7. All township roads must be connected to a conforming road.**
- 8. Proposed asphalt roads must meet these specs. Costs to prepare the roadbed for asphalt (Sub-grade Preparation, Clearing and Grubbing, Fabric (if needed) and Class 5) will be assessed to property owners benefiting from the proposed project. Costs of asphalt, surveying and engineering will be shared equally between affected property owners and Edna Township.**
- 9. The Edna Town Board must approve any deviations from these specifications before the road will be accepted for maintenance.**
- 10. Any new sub-divisions must adhere to the above specifications. Furthermore, prior to Edna Township taking a road and providing maintenance, the road must be built to the above specs including the 24 foot width blacktop with 2 foot Class 5 shoulders.**
- 11. The November 19, 2019 update is on the following 2 pages.**
- 12. The February 15, 2022 update follows the November 19, 2019 update.**

EDNA TOWNSHIP SPECIFICATIONS for ROADS

(Supplement to Existing: November 19, 2019)

General Requirements

The current edition of the Minnesota Department of Transportation "Standard Specifications for Construction" is included by reference.

Grading Construction

Stumps and debris shall not be buried within the roadbed or inslopes and shall not be disposed of by pushing onto land adjacent to the platted roads.

Inslopes and backslopes shall be 4:1 slope or flatter with a minimum flat ditch bottom width of five (5) feet. Ditch depth separation shall be three (3) feet from roadway centerline finished grade to ditch bottom finished grade.

No material from the upper one foot of the natural soils shall be used in the upper two feet of the roadbed. All topsoil shall be salvaged and a minimum of four inches of topsoil shall be spread on all new slopes and areas disturbed during grading operations.

No rocks having a diameter of 6 inches or larger shall be placed within the upper one foot of the roadbed.

All embankments shall be constructed in relatively uniform layers approximately parallel to the final grade, and extending over the full width of the embankment. Layers in the upper two feet of the embankment shall be not more than 8 inches in thickness (loose measurement), and those below the upper two feet shall be not more than the 12 inches in thickness (loose measurement), Compaction shall be obtained by the Quality Compaction (Visual Inspection) method.

All new slopes and disturbed areas shall be seeded after the topsoil has been replaced.

The seed mixture and mulch shall meet the requirements of the current MnDOT Standard Specifications for Construction for roadside seeding.

All centerline culverts shall have aprons and a minimum diameter of 18 inches. All approach culverts shall have aprons and a minimum diameter of 12 inches. All culverts shall have a minimum of 12 inches of cover, excluding aggregate base and surfacing materials, and shall have adequate length to achieve 4:1 slopes or flatter for centerline culverts and 6:1 or flatter for approaches.

Pipe material shall be corrugated metal pipe (CMP) or reinforced concrete pipe (RCP). Plastic pipe is not allowed in right-of way.

Surfacing Construction

All materials used for aggregate base and aggregate surfacing shall meet the requirements of 3138 of the MnDOT Standard Specifications for Construction; Class 5 Aggregate Base and Class 1 Aggregate Surfacing. Compaction shall be obtained by the Quality Compaction Method.

Plant-Mixed Bituminous pavement shall be constructed in accordance with all applicable provisions of the current MnDOT Standard Specifications for Construction, with the following clarification:

Minimum total thickness of the bituminous surface shall be 3-1/2 inches, placed in two layers; 2" base course and 1-1/2" wear course.

Construction Inspection and Warranty

Inspection of construction shall be performed. Procedures and methods shall be proposed to and approved by Edna Township. All costs for inspections shall be paid for by the Developer/Contractor including periodic inspections by the Edna Township Engineer and/or other designated Township representatives. Minimum inspection stages include:

After topsoil removal, before placement of embankment
Before and during disposal of stumps and debris
Before and during installation of culverts
Proof roll compaction verification prior to and during embankment construction
Proof roll compaction verification prior to placement of surfacing

A two (2) year warranty period will begin upon Final Acceptance of Construction by the Edna Township.

EDNA TOWNSHIP SPECIFICATIONS for NEW GRAVEL ROADS
(Amended February 15, 2022)

- 1. The road right-of-way shall be a minimum of 66 feet. This road must be dedicated to the public.**
- 2. The road right-of-way shall be clear of all trees, brush and buildings.**
- 3. Dead-End roads must have a cul-de-sac with a minimum 60 foot radius, 120 foot diameter.**
- 4. The top surface of the road must be 24 feet in width.**
- 5. Ditches shall be 3 feet below the crown of the road.**
- 6. The road surface must have a minimum of 4 inches of compacted Class 5 material.**
- 7. All township roads must be connected to a conforming road.**
- 8. Proposed gravel roads must meet these specs. Costs to prepare the roadbed (Sub-grade Preparation, Clearing and Grubbing, Fabric (if needed) and Class 5) will be assessed to property owners benefiting from the proposed project. Costs of surveying and engineering will be assessed to property owners benefiting from the proposed project.**
- 9. The Edna Town Board must approve any deviations from these specifications before the road will be accepted for maintenance.**
- 10. Prior to Edna Township taking or upgrading a road and providing maintenance, the road must be built to the above specs.**
- 11. The February 15, 2022 update is on the following 2 pages.**

EDNA TOWNSHIP SPECIFICATIONS for GRAVEL ROADS

(Supplement to Existing: November 19, 2019, added February 15, 2022)

General Requirements

The current edition of the Minnesota Department of Transportation "Standard Specifications for Construction" is included by reference.

Grading Construction

Stumps and debris shall not be buried within the roadbed or inslopes and shall not be disposed of by pushing onto land adjacent to the platted roads.

Inslopes and backslopes shall be 4:1 slope or flatter with a minimum flat ditch bottom width of five (5) feet. Ditch depth separation shall be three (3) feet from roadway centerline finished grade to ditch bottom finished grade.

No material from the upper one foot of the natural soils shall be used in the upper two feet of the roadbed. All topsoil shall be salvaged and a minimum of four inches of topsoil shall be spread on all new slopes and areas disturbed during grading operations.

No rocks having a diameter of 6 inches or larger shall be placed within the upper one foot of the roadbed.

All embankments shall be constructed in relatively uniform layers approximately parallel to the final grade, and extending over the full width of the embankment. Layers in the upper two feet of the embankment shall be not more than 8 inches in thickness (loose measurement), and those below the upper two feet shall be not more than the 12 inches in thickness (loose measurement). Compaction shall be obtained by the Quality Compaction (Visual Inspection) method.

All new slopes and disturbed areas shall be seeded after the topsoil has been

replaced.

The seed mixture and mulch shall meet the requirements of the current MnDOT Standard Specifications for Construction for roadside seeding.

All centerline culverts shall have aprons and a minimum diameter of 18 inches. All approach culverts shall have aprons and a minimum diameter of 12 inches. All culverts shall have a minimum of 12 inches of cover, excluding aggregate base and surfacing materials, and shall have adequate length to achieve 4:1 slopes or flatter for centerline culverts and 6:1 or flatter for approaches.

Pipe material shall be corrugated metal pipe (CMP) or reinforced concrete pipe (RCP). Plastic pipe is not allowed in right-of way.

Surfacing Construction

All materials used for aggregate base and aggregate surfacing shall meet the requirements of 3138 of the MnDOT Standard Specifications for Construction; Class 5 Aggregate Base and Class 1 Aggregate Surfacing. Compaction shall be obtained by the Quality Compaction Method.

Construction Inspection and Warranty

Inspection of construction shall be performed. Procedures and methods shall be proposed to and approved by Edna Township. All costs for inspections shall be paid for by the Developer/Contractor including periodic inspections by the Edna Township Engineer and/or other designated Township representatives. Minimum inspection stages include:

- After topsoil removal, before placement of embankment
- Before and during disposal of stumps and debris
- Before and during installation of culverts
- Proof roll compaction verification prior to and during embankment construction
- Proof roll compaction verification prior to placement of surfacing

A two (2) year warranty period will begin upon Final Acceptance of Construction by the Edna Township Board.