

TOWN OF DOVER HIGHWAY SPECIFICATIONS
AND
STANDARDS FOR ACCEPTANCE OF NEW TOWN HIGHWAYS
TOWN OF DOVER, VERMONT

Adopted by the Board of Selectmen on August 15th, 1972

Revised by the Board of Selectmen on February 25th, 1975

Revised by the Board of Selectmen on March 29th, 1988

Revised by the Board of Selectmen on July 18th, 1989

TOWN OF DOVER HIGHWAY SPECIFICATIONS
AND
STANDARDS FOR ACCEPTANCE OF NEW TOWN HIGHWAYS
DOVER, VERMONT

As the convenience of the inhabitants and the public good require, Selectmen shall lay out, alter, and discontinue highways. The following standards are those which the Selectmen will apply in their consideration to accept new roads into the Town system, however meeting these standards does not guarantee acceptance. No Town-owned road or right-of-way may be altered or reconstructed except by permission of the Selectmen, and under the direct supervision of the Road Commissioner.

- I. A. A fifty (50') foot right-of-way shall be minimum width. The right-of-way shall be cleared so that no trees or shrubs exist within twenty (20') feet of the road centerline.
- B. The centerline of the highway shall be centered in the right-of-way.
- II. Road width shall meet the following specifications:
 - A. Through roads (more than one (1) mile in length); twenty (20') foot traveled portion with four (4') foot shoulders.
 - B. Collector roads (dead-end or less than one (1) mile in length); twenty (20') foot traveled portion with two (2') foot shoulders.
 - C. Cul-de-sac
 Twenty (20') foot traveled portion with two (2') foot shoulders.
- III. Centerline grade and curve radius shall conform to the following schedules:
 - A. No road grade shall exceed ten (10%) per cent.
 - B. Through Roads
 - 1. Two hundred (200') foot maximum radius under six (6%) per cent grade.
 - 2. Two hundred fifty (250') foot minimum radius six (6%) to ten (10%) per cent grade.

C. Collector Roads

1. One hundred fifty (150') foot minimum radius under six (6%) per cent grade.
2. Two hundred (200') foot minimum radius six (6%) to ten (10%) per cent grade.

D. Cul-de-sac

1. The right-of-way radius shall not be less than one hundred (100') feet.
2. The centerline radius shall be a minimum of seventy-five (75') feet.
3. The maximum allowable centerline grade is five (5%) per cent.
4. The center of a cul-de-sac shall retain all prominent trees standing within a fifty-five (55') foot radius.
5. The road leading to a cul-de-sac shall have a radius of not less than two hundred fifty (250') feet, not more than a five (5%) per cent grade for seventy-five (75') feet prior to entering the cul-de-sac.

IV. Roads shall be constructed to the following requirements:

- A. All fill areas of more than three (3') feet shall be mechanically compacted before gravel is placed on top.
- B. Stumps shall not be placed in the road bed.
- C. Large rocks, if used in the road bed must have a minimum of three (3') foot fill cover excluding gravel.
- D. All roads shall have a minimum of fifteen (15") inches of gravel and a topping of six (6") inches of crushed gravel. Both gravel and topping shall extend to the outside edge of the shoulders.
 1. Where silty soil with clay is encountered, a six (6") inch layer of coarse sand will be placed under the fifteen (15") inch gravel layer.
 2. Where ledge is encountered and does not have to be removed, the ledge shall be split with explosives and then lay the six (6") inch layer of coarse sand, followed by the fifteen (15") inch gravel layer and the six (6") inch crushed gravel topping.

- E. All roads which are to be approved and accepted into the Town of Dover Highway System shall be paved according to the Town of Dover requirements of a two (2") inch base of three-quarter (3/4") inch mix and a one (1") inch top of three-eighths (3/8") inch mix of Bituminous Concrete, Treatment Type III as shown on page 4-9 of the State of Vermont Agency of Transportation, Standard Specifications for Construction, 1986.
1. All other roads built within the Town of Dover where the grade of the road exceeds seven (7%) percent for more than one hundred (100') feet then paving will be required for that portion.
 2. When the distance between portions of the road that require paving is less than five hundred (500') feet then continuous paving is required.
 3. Where paving is required all previous requirements shall be met and paving shall be Bituminous Concrete as required by the Town. (See E above for standard specifications.)
- F. Slopes on either cut or fill areas shall not be greater than two (2) to one (1), except in ledge, where one-half (1/2) to one (1) may be used.
1. All slopes shall be grassed.
- G. Guard rails shall be installed where required. (This addition was adopted by the Board of Selectpersons on Tuesday, February 25th, 1975, and will become effective sixty days after that date).
- V. All necessary culverts must be installed to ensure proper drainage, and proper run-off.
- A. Road culverts shall not be less than eighteen (18") inches in diameter. Larger diameters may be required where conditions warrant.
 - B. Culverts larger than four (4') feet in diameter shall require adequate guard rail posts and railing.
 - C. All culverts shall have headers of stone or concrete at each end. One rot-treated wooden post shall be set at each end at least twenty-six (26") inches high to designate culvert location.
 - D. Culverts shall have crushed gravel, crushed stone, or screened gravel or sand surrounding for sixteen (16") inches on the top and side and six (6") inches under.
 - E. Wherever a spring is encountered, adequate underdrain shall be installed.

VI. Approaches:

- A. All approaches to State Highways must be approved by the District Highway Engineer.
- B. Approaches to State Aid and Town Highways must be approved by the Road Commissioner prior to construction.
- C. Driveways will require a permit as approved by the Road Commissioner.
 - 1. Driveways shall intersect town roads with an interior angle of not less than 75 degrees.
 - 2. The grade of a driveway will be a minus (-3%) three per cent from the edge of the shoulder for a distance of twenty (20') feet.
 - 3. Culvert size on driveways shall be at least thirty (30') feet in length and a minimum of fifteen (15") inches in diameter. Culverts shall have headers.
 - 4. A one-lane roadway leading to not more than three (3) single family dwellings or a three (3) lot single family home subdivision is considered a driveway. A road larger than a one-lane roadway shall be considered a development road. (Added 03/29/88)

- VII. Manholes shall not be placed within fourteen (14') feet of the centerline of a graveled road.
- VIII. Development road is any road having more than three (3) single family homes or more than a three (3) lot single family home subdivision and must be constructed to the Town of Dover Highway Specifications and Standards for Acceptance of New Town Highways.
- IX. Private roads constructed prior to the publication of these specifications shall, at the discretion of the Selectmen, be required to meet all of the above specifications before acceptance into the Town of Dover Highway System.
- X. Any specifications which will result in an unusual hardship may be modified at the discretion of the Board of Selectmen.

As revised by the Board of Selectmen on July 18th, 1989.

Linda Kersten, Chairman

William M. Sargent

Robert H. Miller, Jr.
Robert H. Miller, Jr.

Robert C. Moulton
Robert C. Moulton

Paul D. Mendelsohn
Paul D. Mendelsohn