

CHAPTER 17.48 DESIGN AND CONSTRUCTION SPECIFICATIONS ROAD DEVELOPMENT STANDARDS

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[17.48.010 Minimum Standards Established](#)

~~Except as otherwise noted,~~In addition to the standards ~~specifications~~ for design and construction contained within DCC ~~17.48~~[12.25](#) and standard drawings as determined by the Road Department Director, ~~the requirements of DCC 17.48~~ are the minimum standards governing construction of roads and other improvements and facilities– associated with land development, including subdivisions and partitions.

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.010 on 12/31/1981

Amended by Ord. [95-082](#) §4 on 12/13/1995

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) on 1/30/2012

Amended by Ord. [2021-007](#) §1 on 7/9/2021

~~Amended by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.020 Implementation Of Requirements](#)

- A. It is the duty of the Road Department Director (“Director”), or the Director’s authorized representative, to implement the provisions and requirements of these standards in such a way as to carry out their intent and purpose.
- B. For purposes of this chapter, all references to “Road Department Director” shall include the ~~Director’s authorized representative~~[County Engineer](#).

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.015 on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) on 1/30/2012

~~Amended by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.030 Additional Design Requirements \(Renumbered\)](#)

~~(Renumbered to 12.25.030)~~

Exhibit K – Ordinance 2025-008

~~The Road Department Director may impose additional design requirements as are reasonably necessary to protect the interests of the public.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.020 on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Renumbered by Ord. 2025-008 §11 on X/X/XXXX

17.48.040 Approval Of Variations

- A. ~~As part of a discretionary land use application,~~ The Planning Director or Hearings Body may approve proposed variations in the improvement standards of up to 10 percent of the standards of DCC ~~Title 17-12.25~~ at the time a tentative plat application is reviewed without the need for a variance to the standards provided the Planning Director or Hearings Body finds, after consultation with the County Road Department Director, that:
1. There is no adverse impact to the public in allowing the variations;
 2. The variation promotes the intent and purposes of the ordinances; and
 3. There are practical difficulties that will create an unreasonable construction expense that will not result in a significant public benefit.
- B. If a request for a variance from the standards is made after approval of a tentative plat and before the final plat, the applicant shall file a separate variance application, to be reviewed under the criteria set forth in DCC 17.48.040(A).

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.700 on 12/31/1981

Amended by Ord. [93-012](#) §47 on 8/4/1993

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. 2025-008 §11 on X/X/XXXX

17.48.050 Road Design (Renumbered)

(Renumbered to 12.25.100)

- A. ~~The design of roads covered by DCC Title 17 is to be prepared by a registered professional engineer and shall at a minimum conform to the design standards for new or existing roads set forth in Table A of DCC Title 17 (or in the design standards set forth for a particular zone in a zoning ordinance) and shall otherwise conform with AASHTO standards.~~
- B. ~~Base and pavement dimensions set forth in Table A (or in specifications set forth for a particular zone) may be increased by the Road Department Director if necessitated by anticipated traffic volumes.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.110(1) on 12/31/1981

Amended by Ord. [93-012](#) §48 on 8/4/1993

Amended by Ord. [93-057](#) §1 on 11/10/1993

Amended by Ord. [95-082](#) §5 on 12/13/1995

Amended by Ord. [97-005](#) §4 on 6/4/1997

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Renumbered by Ord. 2025-008 §11 on X/X/XXXX

[17.48.060 Improvement Plans \(Renumbered\)](#)

(Renumbered to 12.25.105)

- ~~A. A complete set of certified mylar improvement plans shall be approved by the Road Department Director prior to the start of construction or the signing of the final plat.~~
- ~~B. The improvement plans shall become the property of the County and will remain at the Road Department.~~
- ~~C. The improvement plans which shall be 24 by 36 inches shall include, but not be limited to:~~
 - ~~1. A plan view showing:~~
 - ~~a. Centerline alignment showing points of curve and point of tangent stationing on all curves, necessary curve data and bearing of tangents,~~
 - ~~b. Dimensioning necessary to survey and relocate the roadway,~~
 - ~~c. Right of way lines as shown on the final plat,~~
 - ~~d. Existing easements and recording references,~~
 - ~~e. Type, location and size of all existing and proposed drainage and irrigation structures and utilities within the right of way,~~
 - ~~f. Location and type of all existing and proposed signs and barricades,~~
 - ~~g. Vicinity map showing the complete roadway network complete with names of roads,~~
 - ~~h. Toe and fills and top of cuts,~~
 - ~~i. Scale,~~
 - ~~j. North arrow, and~~
 - ~~k. Stamp and signature of the registered engineer;~~
 - ~~2. A profile showing:~~

- a. ~~Centerline grades and vertical curves, complete with point of intersection elevations and stations and length of vertical curves,~~
 - b. ~~Original ground at centerline and extending 500 feet past the construction limits and at ditch lines if a significant transverse slope exists,~~
 - c. ~~Curb profiles, where curbs are required,~~
 - d. ~~Superelevation transition diagrams for horizontal curves if curbs are not required,~~
 - e. ~~Type, location and size of all existing and proposed drainage and irrigation structures and utilities within the right of way, and~~
 - f. ~~Scale;~~
3. ~~Typical roadway cross-section showing:~~
- a. ~~Width, depth and type of base,~~
 - b. ~~Width, depth and type of paving,~~
 - c. ~~Curbs, if required,~~
 - d. ~~Side slopes,~~
 - e. ~~Ditch section,~~
 - f. ~~Crown slope, and~~
 - g. ~~Utilities;~~
4. ~~Structural and detail plans of all structures, including, but not limited to, bridges, drainage structures, irrigation structures and sewer lines stamped by a registered engineer;~~
5. ~~A signature box with spaces provided for County approval and for approval by all affected utility companies and irrigation districts;~~
6. ~~The developer shall submit, with proposed improvement plans, an itemized construction cost estimate. This estimate shall include all related roadwork and affected utility installation and/or related relocation;~~
7. ~~Any other information required by the Road Department Director.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.110(11) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Renumbered by Ord. 2025-008 §11 on X/X/XXXX

[17.48.070 Horizontal Alignment \(Renumbered\)](#)

[\(Renumbered to 12.25.110\)](#)

- ~~A. Horizontal curves and tangent distances shall meet current AASHTO minimum standards for all streets except principal arterials, which shall conform to current ODOT standards.~~
- ~~B. The centerline of road improvements shall coincide with the centerline of the right of way.~~
- ~~C. Superelevation shall be designed in accordance with current AASHTO specifications with the maximum superelevation being six percent.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.110(6) on 12/31/1981

Amended by Ord. [93-057](#) §1 on 11/10/1993

Amended by Ord. [97-005](#) §5 on 6/4/1997

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Renumbered by Ord. 2025-008 §11 on X/X/XXXX

[17.48.080 Vertical Alignment \(Renumbered\)](#)

(Renumbered to 12.25.115)

- ~~A. Vertical curves shall be designed to be consistent with and complimentary to the horizontal curves. Vertical curves shall be designed in accordance with current AASHTO standards or, for principal arterials, to current ODOT standards.~~
- ~~B. Maximum percent of grade shall be as shown in Table A (or in right of way specifications, if any, set forth for a particular zone in a zoning ordinance). (See Table A set out at the end of DCC Title 17.)~~
- ~~C. Minimum grade shall be one half percent for all roads, unless a drainage plan is submitted to and approved by the Road Department Director.~~
- ~~D. Angle points shall not be allowed on grade breaks over one percent.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.110(7) on 12/31/1981

Amended by Ord. [93-012](#) §48(A) on 8/4/1993

Amended by Ord. [93-057](#) §1 on 11/10/1993

Amended by Ord. [97-005](#) §6 on 6/4/1997

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Renumbered by Ord. 2025-008 §11 on X/X/XXXX

[17.48.090 Intersections \(Renumbered\)](#)

(Renumbered to 12.25.120)

- ~~A. All intersections shall be planned for through traffic on the street with the greatest projected average daily traffic (ADT). The side street shall be at right angles to the main street per current AASHTO standards.~~
- ~~B. Intersecting streets, including driveways to commercial and industrial properties, shall be separated by at least the following distances when the through road is:~~

- ~~1.—Arterial, 500 feet;~~
 - ~~2.—Collector, 300 feet;~~
 - ~~3.—Local, 100 feet;~~
 - ~~4.—Industrial park, 250 feet; and~~
 - ~~5.—Primary access, 250 feet.~~
- ~~To be measured between the intersecting centerlines of the streets or driveways.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.110(8) on 12/31/1981

Amended by Ord. [93-012](#) §48(AA) on 8/4/1993

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

Amended by Ord. [2021-007](#) §1 on 7/9/2021

[Renumbered by Ord. 2025-008 §11 on X/X/XXXX](#)

[17.48.100 Minimum Right Of Way Width \(Renumbered\)](#)

[\(Renumbered to 12.25.130\)](#)

~~The minimum right of way width is 60 feet unless specified otherwise in Table A (or in any right of way specifications set forth for a particular zone in a zoning ordinance). (See Table A set out at the end of DCC Title 17.)~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.110(9) on 12/31/1981

Amended by Ord. [93-057](#) §1 on 11/10/1993

Amended by Ord. [97-005](#) §7 on 6/4/1997

Amended by Ord. [2001-016](#) §2 on 3/28/2001

[Renumbered by Ord. 2025-008 §11 on X/X/XXXX](#)

[17.48.110 Turn Lanes \(Renumbered\)](#)

[\(Renumbered to 12.25.140\)](#)

~~When a turn lane is required, it shall be a minimum of 14 feet in width, except where road specifications in a zoning ordinance provide for travel lanes of lesser width. Additional right of way may be required.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.110(5) on 12/31/1981

Amended by Ord. [97-005](#) §8 on 6/4/1997

Amended by Ord. [2001-016](#) §2 on 3/28/2001

[Renumbered by Ord. 2025-008 §11 on X/X/XXXX](#)

[17.48.120 Partial Width Roads \(Repealed\)](#)

~~Partial width roads or half streets shall not be allowed for the traveled portion of the roadway. All traveled portions of a road must be constructed to the full applicable standards specified in DCC 12.25 for the relevant road classification.~~

~~Auxiliary improvements, such as curbs, sidewalks, bike lanes, and stormwater drainage systems, are only required on the applicant's side of the road unless the subject property spans both sides of the road or otherwise required by the County Engineer.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.110(5) on 12/31/1981

Amended by Ord. [2001-016](#) §2 on 3/28/2001

Repealed by Ord. 2025-008 §11 on X/X/XXXX

[17.48.130 Road Names \(Renumbered\)](#)

[\(Renumbered to 12.25.040\)](#)

~~All roads shall be named in conformance with the provisions of the Deschutes County uniform road naming system set forth in DCC Title 16.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.110(2) on 12/31/1981

Amended by Ord. [90-003](#) §1, Exhibit A on 1/8/1990

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Renumbered by Ord. 2025-008 §11 on X/X/XXXX

[17.48.140 Bikeways \(Renumbered\)](#)

[\(Renumbered to 12.25.155\)](#)

~~A. General Design Criteria.~~

- ~~1. Bikeways shall be designed in accordance with the current standards and guidelines of the Oregon (ODOT) Bicycle and Pedestrian Plan, the American Association of State Highway Transportation Officials (AASHTO) Guide for Development of New Bicycle Facilities, and the Deschutes County Bicycle Master Plan. See DCC 17.48 Table B.~~
- ~~2. All collectors and arterials shown on the County Transportation Plan map shall be constructed to include bikeways as defined by the Deschutes County Bicycle Master Plan.~~
- ~~3. If interim road standards are used, interim bikeways and/or walkways shall be provided. These interim facilities shall be adequate to serve bicyclists and pedestrians until the time of road upgrade.~~

~~B. Multi-use Paths.~~

- ~~1. Multi-use paths shall be used where aesthetic, recreation and safety concerns are primary and a direct route with few intersections can be established. If private roads are constructed to a width of less than 28 feet, multi-use paths shall be provided.~~

- ~~2.—Multi-use paths are two-way facilities with a standard width of 10 feet, but with a 12-foot width if they are subjected to high use by multiple users. These paths shall meet County multi-use path standards and shall connect with bike facilities on public roads.~~

~~C.—Bike Lanes. Six-foot bike lanes shall be used on new construction of curbed arterials and collectors.~~

~~D.—Shoulder Bikeways.~~

- ~~1.—Shoulder bikeways shall be used on new construction of uncurbed arterials and collectors.~~

- ~~2.—Shoulder bikeways shall be at least four feet wide. Where the travel lane on an existing arterial or collector is not greater than eleven feet, the bikeway shall be a minimum of four feet wide.~~

~~E.—Mountain Bike Trails.~~

- ~~1.—Mountain bike (dirt or other unpaved surface) trails may be used as recreational or interim transportation facilities.~~

- ~~2.—Trails used for transportation shall have a two-foot minimum tread width and a six-foot minimum clearing width centered over the trail, and a minimum overhead clearance of seven feet. Trails used solely for recreational use may be narrower with less clearing of vegetation.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.110(3) on 12/31/1981

Amended by Ord. [88-015](#) §4 on 5/18/1988

Amended by Ord. [93-012](#) §49 on 8/4/1993

Amended by Ord. [2001-016](#) §1 on 3/28/2001

~~Renumbered by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.150 Structures \(Repealed\)](#)

~~All structures that carry a road or cross over a road shall be designed to have a 50-year life span. All designs must be approved by the Road Department Director and other affected public or private agencies.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.110(10) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.160 Road Development Requirements; General Standards](#)

- ~~A.—Subdivision Standards. All roads in new subdivisions shall either be constructed to a standard acceptable for inclusion in the County maintained system or the subdivision shall be part of a special road district or a homeowners association in a planned unit development.~~

~~B.A.~~ Improvements of Public Rights of Way.

1. The developer of a subdivision or partition will be required to improve all public ways that are adjacent to or within the land development.
2. All improvements within public rights of way shall conform to the improvement standards designated in DCC 12.25~~Title 17~~ for the applicable road classification,~~except where a zoning ordinance sets forth different standards for a particular zone.~~
3. Road improvements shall include mitigation as required under DCC 18.116.310(I).
4. Road improvements shall include dedication of new or additional public rights of way to provide the minimum standard right of way widths as specified in DCC 12.25. Additional right of way in excess of the minimum standard may be required to accommodate road improvements that cannot be contained within the minimum standard right of way width.

~~C.B.~~ Primary Access Roads.

1. The primary access road for any new subdivision or partition shall be improved to the applicable standard set forth in ~~Table A~~DCC 12.25.
2. The applicable standard shall be determined with reference to the road's classification under the relevant transportation plan.
3. For the purposes of DCC 17.48.160, a primary access road is a road leading to the subdivision or partition from an existing paved county, city or state-maintained road that provides the primary access to the subdivision or partition from such a road.

~~D. Secondary Access Roads. When deemed necessary by the County Road Department or Community Development Department, a secondary access road shall be constructed to the subdivision. Construction shall be to the same standard used for roads within the subdivision.~~

C. Interior Roads

1. Interior roads for any new subdivision or partition shall be improved to the applicable standard set forth in DCC 12.25.
2. The applicable standard shall be determined with reference to the road's classification under the current transportation system plan. For new roads, the applicable standard shall be determined with reference to the road's anticipated classification based on the functional classification definitions given in the current Deschutes County Transportation System Plan.
- 1.3. ~~Stubbed Roads.~~ Any proposed road that terminates at a development boundary shall be constructed with a paved cul-de-sac bulb turnaround facility approved by the applicable fire protection district. Temporary easements for turnaround facilities shall not be granted by plat declaration.

D. Partial Width Road Improvements - Partial width road improvements shall not be permitted. All portions of a road traveled by motor vehicles and bicycles that are adjacent to, within, or provide

primary access to a subdivision or partition shall be constructed to the full width under the applicable standards specified in DCC 12.25 for the relevant road classification.

~~A.—Stubbed Roads. Any proposed road that terminates at a development boundary shall be constructed with a paved cul-de-sac bulb.~~

~~B.—Cul-de-sacs.~~

~~1.—Cul-de-sacs shall have a length of less than 600 feet, unless a longer length is approved by the applicable fire protection district, and more than 100 feet from the center of the bulb to the intersection with the main road.~~

~~2.—The maximum grade on the bulb shall be four percent.~~

~~C.—Frontage Roads. Right of way widths shall be 40 feet when immediately adjacent to a main highway/arterial; 60 feet when the frontage road is separated from the highway or arterial by private land or as set forth for a particular zone in the zoning ordinance.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.120(1)-(6) on 12/31/1981

Amended by Ord. [93-012](#) §50 on 8/4/1993

Amended by Ord. [93-057](#) §1 on 11/10/1993

Amended by Ord. [97-005](#) §9 on 6/4/1997

Amended by Ord. [98-004](#) §1 on 1/28/1998

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. 2025-008 §11 on X/X/XXXX

17.48.165 Road Development Requirements; Subdivisions

A. For subdivisions that are not part of a destination resort, planned unit development, or cluster development, roadway improvements shall be constructed as follows:

1. Arterial roads shall be constructed according to the provisions of DCC 12.25.170.

2. Collector roads shall be constructed according to the provisions of DCC 12.25.180.

3. Local roads shall be constructed according to the provisions of DCC 12.25.190 pertaining to paved roads.

B. Unless an improvement agreement under the provisions of DCC 17.24.120 has been fully executed, road improvements for a subdivision shall be constructed prior to final plat approval.

C. Secondary Access Roads.

1. General Discretionary Standards: When deemed necessary by the County Road Department or Community Development Department, a secondary access road shall be

constructed to the subdivision. Construction shall be to the same standard used for roads within the subdivision.

2. Clear and Objective Standards pursuant to DCC 22.08.040: A secondary access road shall be constructed to the subdivision. Construction shall be to the same standard used for roads within the subdivision.

HISTORY

Adopted by Ord. 2025-008 §11 on X/X/XXXX

17.48.170 Road Development Requirements; Partitions

~~Roadway improvements within a~~ For partitions that are not part of a destination resort, planned unit development, or cluster development, roadway improvements and to a road maintained by a public agency shall be constructed prior to final approval of the partition, depending on the maximum parcel size as follows:

- A. ~~For a parcel size of 10 acres or larger, the minimum road improvement standard shall be 20 feet wide with five inches of aggregate surfacing (cinders are acceptable), the centerline of which coincides with the centerline of the right of way;~~ Arterial roads shall be constructed according to the provisions of DCC 12.25.170.
- B. ~~For a parcel size of less than 10 acres, the road standards used shall be the same as for a subdivision.~~ Collector roads shall be constructed according to the provisions of DCC 12.25.180.
- A. Local roads
 1. For partitions with an average parcel size of 10 acres or more, local roads shall be constructed according to the provisions of DCC 12.25.190 pertaining to unpaved roads.
 2. For partitions with an average parcel size of less than 10 acres, local roads shall be constructed according to the provisions of DCC 12.25.190 pertaining to paved roads.

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.120(7) on 12/31/1981

Amended by Ord. [93-012](#) §51 on 8/4/1993

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. 2025-008 §11 on X/X/XXXX

17.48.175 Road Development Requirements; Unincorporated Communities (Repealed)

~~A.—Standards.~~

- ~~1.—In the La Pine Urban Unincorporated Community, all roads shall be improved as specified for the applicable classification in Table A of DCC Title 17.~~
- ~~2.—In the Terrebonne Rural Community, all improvements to public rights of way shall conform to the road development standards for Terrebonne in Table A of DCC Title 17, except for improvements to roads servicing parcels of 10 acres or greater created by a partition.~~

- ~~3. In the Tumalo Rural Community, all improvements to public rights of way shall conform to the Tumalo road development standards in Table A of DCC Title 17, except for improvements to roads servicing parcels of 10 acres or greater created by a partition.~~
- ~~4. In the Sunriver Urban Unincorporated Community, all roads shall conform to the road development standards in DCC 17.48.180.~~
- ~~5. No curbs or sidewalks are required in the Sunriver UUC or the rural service centers of Alfalfa, Brothers, Hampton, Millican, Whistle Stop, Wickiup Junction, Wild Hunt, Deschutes River Woods and Spring River.~~
- ~~B. All required road improvements shall be located on the applicant's side of the road, unless the subject property lies on both sides of the road.~~

HISTORY

Adopted by Ord. [93-012](#) §52 on 8/4/1993

Amended by Ord. [93-057](#) §1 on 11/10/1993

Amended by Ord. [96-003](#) §12 on 3/27/1996

Amended by Ord. [97-005](#) §10 on 6/4/1997

Amended by Ord. [97-035](#) §1 on 6/25/1997

Amended by Ord. [98-004](#) §2 on 1/28/1998

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2001-041](#) §2 on 9/26/2001

Repealed by Ord. 2025-008 §11 on X/X/XXXX

~~17.48.180 Private Roads~~ Development Requirements; Destination Resorts, Planned Unit Developments and Cluster Developments

The following minimum road standards shall apply for private roads:

- ~~A. Except for arterial roads, roads within destination resorts, planned unit developments (PUDs) and cluster developments may be public or private roads, provided they are designed and constructed to the applicable standards specified in DCC 12.25 for the relevant road classification. The minimum paved roadway width shall be 20 feet in planned unit developments and cluster developments with two foot wide gravel shoulders;~~
- ~~B. Road improvements within destination resorts, planned unit developments (PUDs) and cluster developments shall be constructed prior to final plat approval unless an improvement agreement under the provisions of DCC 17.24.120 has been fully executed. Minimum radius of curvature, 50 feet;~~
- ~~C. The minimum paved roadway width shall be 20 feet in planned unit developments and cluster developments with two foot wide gravel shoulders;~~
- ~~D. Minimum radius of curvature, 50 feet;~~
- ~~E. Maximum grade, 12 percent;~~

- ~~F.—At least one road name sign will be provided at each intersection for each road;~~
- ~~G.—A method for continuing road maintenance acceptable to the County;~~
- ~~H.—Private road systems shall include provisions for bicycle and pedestrian traffic.~~
 - ~~1.—In cluster and planned developments limited to ten dwelling units, the bicycle and pedestrian traffic can be accommodated within the 20-foot wide road.~~
 - ~~2.—In other developments, shoulder bikeways shall be a minimum of four feet wide, paved and striped, with no on-street parking allowed within the bikeway, and when private roads are developed to a width of less than 28 feet, bike paths constructed to County standards shall be required.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.130 on 12/31/1981

Amended by Ord. [93-012](#) §53 on 8/4/1993

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2004-025](#) §3 on 12/20/2004

Amended by Ord. 2025-008 §11 on X/X/XXXX

[17.48.190 Drainage \(Renumbered\)](#)

(Renumbered to 12.25.230)

~~A.—Minimum Requirements.~~

- ~~1.—Drainage facilities shall be designed and constructed to receive and/or transport at least a design storm as defined in the current Central Oregon Stormwater Manual created by Central Oregon Intergovernmental Council and all surface drainage water coming to and/or passing through the development or roadway.~~
- ~~2.—The system shall be designed for maximum allowable development.~~

~~B.—Curbed Sections.~~

- ~~1.—Storm drains within curbed streets shall be designed per the requirements of the current Central Oregon Stormwater Manual created by the Central Oregon Intergovernmental Council.~~
- ~~2.—Catchbasins shall be constructed in accordance with standard drawings as determined by the Road Department Director.~~

~~C.—Noncurbed Sections.~~

- ~~1.—Road culverts shall be concrete or metal with a minimum design life of 50 years.~~
- ~~2.—All cross culverts shall be 18 inches in diameter or larger.~~
- ~~3.—Culverts shall be placed in natural drainage areas and shall provide positive drainage.~~

- ~~D.—Drainage Swales. The Design Engineer is responsible to design a drainage swale adequate to control a design storm as defined in the Central Oregon Stormwater Manual created by Central Oregon Intergovernmental Council.~~
- ~~E.—Drainage Plans. A complete set of drainage plans including hydraulic and hydrologic calculations shall be incorporated in all road improvement plans.~~
- ~~F.—Drill Holes. Drill holes are prohibited.~~
- ~~G.—Injection wells (drywells) are prohibited in the public right of way.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.140 on 12/31/1981

Amended by Ord. [97-005](#) §11 on 6/4/1997

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

Amended by Ord. [2021-007](#) §1 on 7/9/2021

~~Renumbered by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.200 Surveying \(Renumbered\)](#)

~~(Renumbered to 12.25.240)~~

- ~~A.—Preliminary Procedures. All roads shall be staked prior to construction by a registered land surveyor on the horizontal and vertical alignments shown on the improvement plans.~~
- ~~B.—Cuts and Fills. Sections with a cut or fill and any superelevated sections shall be staked every 50 feet or less with:
 - ~~1.—A clearing lath; and~~
 - ~~2.—Offset stakes marked with the offset distance and the cut or fill to the subgrade shoulder, except that offset stakes may be the same stakes as the clearing lath; and~~
 - ~~3.—Shoulder lath for the aggregate base.~~~~
- ~~C.—Curbs. Curb sections shall require offset hubs every 25 feet with stakes marked with the offset distance and the cut or fill to the subgrade shoulder and the top of the curb.~~
- ~~D.—Centerline Monuments.
 - ~~1.—Centerline monuments, as approved by the Road Department Director, shall be installed at all centerline intersections where they fall in the paved section, point of curvatures and point of tangencies of each curve and at all centers of cul-de-sacs.~~
 - ~~2.—All metal caps shall be stamped to identify the monument, i.e., P.I., P.C., P.T., Int, and carry the registration number of the surveyor or engineer setting the monument.~~~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.300 on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Renumbered by Ord. 2025-008 §11 on X/X/XXXX

17.48.210 Access (Renumbered)

(Renumbered to 12.28.010 – 12.28.180)

- ~~A.—Permit Required. Access onto public right of way or change in type of access shall require a permit. Permits are applied for at offices of the Community Development Department.~~
- ~~B.—Access Restrictions and Limitations. The creation of access onto arterials and collectors is prohibited unless there is no other possible means of accessing the parcel. In any event, residential access onto arterials and collectors shall not be permitted within 100 feet of an intersection or the maximum distance obtainable on the parcel, whichever is less.~~
- ~~C.—Commercial and Industrial Access:~~
- ~~1.—Requirements for commercial and industrial access will be determined by the Road Department Director in accordance with DCC 17.48.090.~~
- ~~2.—Safety improvements, including left turn lanes and traffic signals, may be required.~~
- ~~D.—Sight Distance. Access shall be denied at locations that do not meet AASHTO sight distance standards.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.400(1)-(4) on 12/31/1981

Amended by Ord. [93-012](#) §53(A) on 8/4/1993

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Renumbered by Ord. 2025-008 §11 on X/X/XXXX

17.48.220 Driveways (Renumbered)

(Renumbered to 12.28.010 – 12.28.180)

- ~~A.—Access Width. The following are the maximum width of driveways:~~

Type	Width (in feet)
Residential	14(single), 20(double)
Agricultural	20
Commercial/Industrial	35

- ~~B.—Culverts. Where culverts are required for driveways, the minimum pipe size shall be 12 inches.~~
- ~~C.—Drainage. Driveways shall be constructed in such a manner that water, aggregate or any other substance that is hazardous to the traveling public will not enter onto the public right-of-way.~~

~~D.—Construction. Construction of the driveway shall be in accordance with the design standards of the County Road Department.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.400(5)-(8) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

~~Renumbered by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.230 Utilities; Standards \(Repealed\)](#)

~~A.—Minimum Standards Established. In accordance with the provisions of ORS 374 and 758, DCC 17.48.240 through 17.48.280 set forth the minimum standards governing the placing, relocation, building, maintenance and construction of all facilities and appurtenances, upon public rights of way.~~

~~B.—All utilities governed by DCC 17.48.240 through 17.48.280 shall be underground unless overhead utilities are permitted as a result of a land use action.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.500(1) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.240 Utilities; Permit \(Repealed\)](#)

~~A.—Prior to any work being done in a public right of way, a permit shall be obtained from the Road Department.~~

~~B.—A minimum of two weeks prior to the desired commencement date of the project, the applicant shall deliver to the Road Department the following:~~

~~1.—A completed permit on the Deschutes County Road Department standard form containing the following:~~

~~a.—Applicant's name, address and telephone number;~~

~~b.—Name, address and telephone number of the contractor and foreman or other person responsible for the work if different from the contractor;~~

~~c.—Location of project, including:~~

~~1.—Township, range and section;~~

~~2.—Road name;~~

~~3.—Nearest intersecting roads.~~

~~d.—Type of facility;~~

~~e.—The proposed starting and completion dates.~~

- ~~2.—Two sets of construction plans showing all pertinent construction details;~~
- ~~3.—A plan for traffic control; in the case of a road closure, a proposed detour and/or other method of controlling traffic;~~
- ~~4.—A bond or cash deposit as required in DCC 17.48.300.~~

~~C.—Road Department Approval.~~

~~One set of the documents described in DCC 17.48.240(A) shall be signed by the Road Department Director and returned to the applicant together with any necessary supplemental instructions.~~

- ~~1.—The approved documents and supplemental instructions shall become a part of the permit and be binding on the applicant.~~

~~D.—Permit Conditions.~~

- ~~1.—In granting any permit, the Road Department Director may attach such other conditions thereto as may be reasonably necessary to prevent damage to public or private property or to prevent the operation from being conducted in a manner hazardous to life or property or in a manner likely to create a nuisance.~~
- ~~2.—Such conditions may include but shall not be limited to:~~
 - ~~a.—Limitations on the period of the year in which the work may be performed;~~
 - ~~b.—Restrictions as to the size and type of equipment;~~
 - ~~c.—Designation of routes upon which material may be transported;~~
 - ~~d.—The place and manner of disposal of excavated material;~~
 - ~~e.—Requirements as to the control of dust, the cleaning of streets, the prevention of noise and other results offensive or injurious to the neighborhood, the general public or any portion thereof; and~~
 - ~~f.—Regulations as to the use of roads in the course of the work.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.500(2) on 12/31/1981

Amended by Ord. [93-012](#) §53(AA) on 8/4/1993

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.250 Utilities; Construction; Performance Standards \(Repealed\)](#)

- ~~A.—The work to be performed under this permit shall be carried out in accordance with the current Deschutes County Standards in DCC Title 17, the current ODOT/APWA Oregon Standard Specifications for Construction and standard drawings as determined by the Road Department Director.~~

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- ~~B. Work authorized by a permit shall be performed between the hours of seven a.m. and five p.m., Monday through Friday.~~
- ~~C. Access to private driveways shall be provided except during working hours when construction operations prohibit provision of such access.~~
- ~~D. Free access must be provided at all times to fire hydrants.~~
- ~~E. Monuments.~~
 - ~~1. Monuments of concrete, iron or other lasting materials set out for the purpose of locating or preserving the lines of any street or property subdivision, or precise survey reference point, or a permanent survey bench mark within the County shall not be removed or disturbed or caused to be removed or disturbed unless permission to do so is first obtained in writing from the County surveyor.~~
 - ~~2. Permission shall be granted only upon condition that the applicant shall pay all expenses incidental to the proper replacement of the monument.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.500(3)(A) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

Amended by Ord. [2021-007](#) §1 on 7/9/2021

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

17.48.260 Utilities; Construction; Excavation (Repealed)

- ~~A. The minimum cover between the top of a buried utility and road or ground surface shall be 30 inches.~~
- ~~B. Where practical, underground utilities shall be jacked, pushed, bored or washed under roads when crossing same.~~
- ~~C. No opening or excavation in any road shall extend beyond the centerline of the road before being backfilled and the surface of the road temporarily restored.~~
- ~~D. No more than 300 feet of trench, measured longitudinally, shall be opened along a road at one time.~~
- ~~E. Excavated materials shall be laid compactly along the side of the trench and kept trimmed so as to cause as little inconvenience as possible to public travel.~~
- ~~F. All utility facilities shall be located sufficiently ahead of trench excavation work to avoid damage to those facilities and to permit their relocation, if necessary.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.500(3)(B) on 12/31/1981

Amended by Ord. [2001-016](#) §2 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

Repealed by Ord. 2025-008 §11 on X/X/XXXX

17.48.270 Utilities; Construction; Backfilling And Restoring (Repealed)

- ~~A.—All backfilled material shall be compacted to 95 percent of its relative maximum density when within the roadway to 90 percent when between the shoulder (or curb) and the right of way line.~~
- ~~B.—Trenches shall be backfilled as follows:~~
- ~~1.—Unimproved Roads and Area Outside Roadway. The trench shall be backfilled with the excavated or other suitable materials and the entire backfill shall be compacted in layers of not to exceed six inches by use of a mechanical tamper.~~
 - ~~2.—Aggregate and Paved Surfaces. The trench shall be backfilled according to drawing standard drawings as determined by the Road Department Director.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.500(3)(C) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

Amended by Ord. [2021-007](#) §1 on 7/9/2021

Repealed by Ord. 2025-008 §11 on X/X/XXXX

17.48.280 Utilities; Construction; Inspection (Repealed)

- ~~A.—The Oregon Utility Notification Center shall be notified according to applicable Oregon Administrative Rules. The Road Department shall be notified two working days in advance of the time of backfilling.~~
- ~~B.—Costs:~~
- ~~1.—All inspection costs shall be borne by the applicant.~~
 - ~~2.—Such costs shall be based on a schedule of charges on file in the Road Department Building, 61150 SE 27th Street, Bend, Oregon 97702, (541) 388-6581.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.500(3)(D) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2021-007](#) §1 on 7/9/2021

Repealed by Ord. 2025-008 §11 on X/X/XXXX

17.48.290 Fees (Renumbered)

(Renumbered to 12.25.300)

~~All plan review and field inspection costs shall be borne by the applicant. Such costs shall be based on a schedule of charges on file in the Road Department.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.610 on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

~~Renumbered by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.300 Bonds \(Repealed\)](#)

- ~~A.—Required. When, in the opinion of the Road Department Director, an existing public way is endangered by an applicant, such applicant shall be required to file an agreement and security with the County.~~
- ~~B.—Type of Security. The applicant shall file with the agreement, to assure the applicant's full performance thereof, one of the following:~~
- ~~1.—A surety bond executed by a surety company authorized to transact business in the state in a form approved by the County; or~~
 - ~~2.—Cash.~~
- ~~C.—Amount Required. Such assurance of full performance shall be for a sum approved by the Road Department Director as sufficient to cover the cost of improvements and repairs, including related engineering, inspection and incidental expenses.~~
- ~~D.—Default Status.~~
- ~~1.—If the applicant fails to carry out provisions of the agreement and the County has unreimbursed costs or expenses resulting from such failure, the County shall call on the bond or cash deposit for reimbursement.~~
 - ~~2.—If the amount of the bond or cash deposit exceeds the cost and expense incurred by the County, it shall release the remainder.~~
 - ~~3.—If the amount of the bond or cash deposit is less than the cost and expense incurred by the County, the applicant shall be liable to the County for the difference.~~
- ~~E.—Expiration. The bond shall not be released by the County until one year from the improvement completion date specified by the applicant.~~
- ~~F.—The bonds shall not be released by the County until County inspectors have inspected the improvements and approved them in writing.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.620 on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.310 Insurance \(Renumbered\)](#)

~~(Renumbered to 12.25.330)~~

~~During the term of authorized work within a public right of way, the applicant or their contractor, including all subcontractors, shall procure and continue to carry insurance coverages, including but not limited to commercial general liability and commercial automobile liability, from a responsible insurance provider with minimum coverage amounts as determined by the Road Department Director.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.640 on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2021-007](#) §1 on 7/9/2021

[Renumbered by Ord. 2025-008 §11 on X/X/XXXX](#)

[17.48.320 Indemnification \(Renumbered\)](#)

[\(Renumbered to 12.25.340\)](#)

- ~~A. The licensee shall be responsible and liable for all injuries to other persons or property resulting from any negligence or otherwise tortious acts or omissions of the licensee, its servants or agents.~~
- ~~B. The licensee shall indemnify the County and hold it harmless against any and all claims, demands, lawsuits, injuries, damages or costs, including litigation costs, which the County may sustain by reason of any such acts or omissions.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.630 on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

[Renumbered by Ord. 2025-008 §11 on X/X/XXXX](#)

[17.48.330 Construction; General Specifications \(Renumbered\)](#)

[\(Renumbered to 12.25.400\)](#)

- ~~A. Unless otherwise detailed in DCC 17.48, all roadway excavation, fill construction, subgrade preparation, aggregate base, surfacing, prime coats and paving will be done in accordance with the current edition of the ODOT/APWA Oregon Standard Specifications for Construction, hereinafter referred to as the general specifications.~~
- ~~B. Whenever these specifications refer to the state, they shall be taken to mean the County, the appropriate County address, and likewise, reference to the commission or the engineer shall be taken to mean the Board of County Commissioners or the Road Department Director.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(2) on 12/31/1981

Amended by Ord. [88-017](#) §1 on 5/18/1988

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

[Renumbered by Ord. 2025-008 §11 on X/X/XXXX](#)

[17.48.340 Construction; Testing \(Repealed\)](#)

Exhibit K – Ordinance 2025-008

~~All testing shall conform to methods described in the current edition of the AASHTO Materials, Part II, Tests, or the current edition of the Oregon State Highway Division Laboratory Manual of Test Procedure.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(2) on 12/31/1981

Amended by Ord. [93-012](#) §53(AAA) on 8/4/1993

Amended by Ord. [2001-016](#) §2 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.350 Construction; Inspection \(Repealed\)](#)

- ~~A.—The Road Department shall be notified two working days in advance of the time for subgrade inspection, two working days in advance of the time for base inspection and two working days in advance of the time for paving inspection.~~
- ~~B.—Each stage of construction must be inspected and approved prior to the commencement of the next stage of construction. The final inspection shall be requested seven working days in advance.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(3) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.360 Construction; Handling of Explosives \(Repealed\)](#)

~~In the handling of explosives, the contractor must comply with federal, state and local laws, and the County will in no way be responsible for any noncompliance therewith or for damages to property or injury to persons resulting from accidental or premature explosions.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(4) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.370 Construction; Cooperation With Utilities \(Repealed\)](#)

- ~~A.—The contractor shall cooperate with and shall avoid damaging the facilities of all utility owners, railroads, and fire control authorities who have facilities located within the vicinity of the work.~~
- ~~B.—The contractor shall immediately notify any utility owners, railroads, and fire control authorities whose facilities have been damaged.~~
- ~~C.—The Oregon Utility Notification Center shall be notified according to applicable Oregon Administrative Rules.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(5) on 12/31/1981

Exhibit K – Ordinance 2025-008

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2021-007](#) §1 on 7/9/2021

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.380 Construction; Temporary Traffic Control \(Renumbered\)](#)

~~(Renumbered to 12.25.420)~~

~~A.—Temporary protective and directional measures for traffic control shall be in conformance with the Federal Highway Administration's current Manual on Uniform Traffic Control Devices.~~

~~B.—The contractor shall be required to allow one-way traffic through the project during working hours.~~

~~1.—However, one-way traffic operation will not be permitted until such time as the contractor has labor, equipment and materials on the project necessary to proceed without delaying the work.~~

~~2.—Once one-way traffic is established, the contractor shall perform the construction work in a continuous and efficient manner.~~

~~C.—Contact Person.~~

~~1.—The contractor shall have a person on the job during working hours and on-call at all other times, who shall have the responsibility to maintain all directional and warning devices in proper position.~~

~~2.—The County will be provided with the name and telephone number of such person.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(6) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

~~Renumbered by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.390 Construction; Clearing And Grubbing \(Repealed\)](#)

~~All work shall be performed in accordance with the current ODOT/APWA Oregon Standard Specifications for Construction supplemented and/or modified as follows:~~

~~A.—The right of way shall be cleared of all fixed objects.~~

~~B.—However, in developments where traffic safety would not be involved, and a lesser requirement would not create a hazard, the right of way shall be cleared a minimum of 40 feet or four feet beyond the edge of the shoulder or curb line of the finished road.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(7) on 12/31/1981

Amended by Ord. [2001-016](#) §2 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

Amended by Ord. [2021-007](#) §1 on 7/9/2021

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

17.48.400 Construction; Dust Control (Repealed)

- ~~A.—The work shall consist of the furnishing and applying of water for the alleviation or prevention of dust nuisance in accordance with the current ODOT/APWA Oregon Standard Specifications for Construction.~~
- ~~B.—Responsibility for dust abatement will be the contractor's.~~
- ~~C.—Watering will be done when ordered by the Road Department Director.~~
- ~~D.—The contractor shall supply the applicant's own water source.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(8) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

Amended by Ord. [2021-007](#) §1 on 7/9/2021

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

17.48.410 Construction; Subgrade Construction (Repealed)

- ~~A.—All work shall be performed in accordance with the current ODOT/APWA Oregon Standard Specifications for Construction.~~
- ~~B.—Material shall be considered unsuitable for fill, subgrade, shoulders and other uses if it contains organic matter, soft spongy earth or other material of such nature that compaction to the specified density is unobtainable.~~
- ~~C.—No material having a maximum dimension of three inches or more shall be considered suitable for fill material in the top one foot of subgrade, including the fill side slopes.~~
- ~~D.—Compaction shall be a minimum of 95 percent of the relative maximum density.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(9) on 12/31/1981

Amended by Ord. [2001-016](#) §2 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

Amended by Ord. [2021-007](#) §1 on 7/9/2021

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

17.48.420 Construction; Surfacing Requirements (Repealed)

- ~~A.—Aggregate Base.~~
 - ~~1.—Crushed aggregate meeting the requirements of the current ODOT/APWA Oregon Standard Specifications for Construction shall be used.~~
 - ~~2.—All work shall be performed in accordance with the current ODOT/APWA Oregon Standard Specifications for Construction.~~

~~B.—Asphalt Prime Coat. For all roadway sections using asphalt penetration macadam, an asphalt prime coat will be applied to the aggregate base in accordance with the current ODOT/APWA Oregon Standard Specifications for Construction and in accordance with standard drawings as determined by the Road Department Director.~~

~~C.—Asphalt Penetration Macadam. When an oil mat is placed, it shall be applied in accordance with the current ODOT/APWA Oregon Standard Specifications for Construction and in accordance with standard drawings as determined by the Road Department Director.~~

~~D.—Asphaltic Concrete Pavement.~~

~~1.—Where asphaltic concrete pavement is required, it shall be placed in accordance with the current ODOT/APWA Oregon Standard Specifications for Construction.~~

~~2.—The asphalt cement shall be as required by the Road Department Director.~~

~~3.—The class of asphaltic concrete shall be Level 3 HMAC.~~

~~4.—A mix design shall be submitted to the Road Department Director at least one week prior to paving.~~

~~E.—Tack Coat. When a tack coat is required by the Road Department Director, the tack coat shall be applied in conformance with the current ODOT/APWA Oregon Standard Specifications for Construction.~~

~~F.—Portland Cement Concrete Pavement. When portland cement concrete pavement is used, it shall be designed and constructed in accordance with the publications of the Portland Cement Association.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(10)-(15) on 12/31/1981

Amended by Ord. [93-012](#) §53(B) on 8/4/1993

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

Amended by Ord. [2021-007](#) §1 on 7/9/2021

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.430 Construction; Concrete Curb \(Repealed\)](#)

~~A.—Where required, portland cement concrete curbs shall be constructed in accordance with standard drawings as determined by the Road Department Director and the current ODOT/APWA Oregon Standard Specifications for Construction.~~

~~B.—The concrete shall be class 3000.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(16) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

Amended by Ord. [2021-007](#) §1 on 7/9/2021

Repealed by Ord. 2025-008 §11 on X/X/XXXX

17.48.440 Construction; Sidewalks (Repealed)

- ~~A.—Sidewalks shall be constructed with Class 3000 concrete as specified in the current ODOT/APWA Oregon Standard Specifications for Construction.~~
- ~~B.—Sidewalks shall conform to standard drawings as determined by the Road Department Director. Sidewalks shall not be less than five feet wide.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(17) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

Amended by Ord. [2021-007](#) §1 on 7/9/2021

Repealed by Ord. 2025-008 §11 on X/X/XXXX

17.48.450 Construction; Slopes And Backfill (Repealed)

- ~~A.—Curb and sidewalk backfill material shall be good quality topsoil.~~
- ~~B.—The material shall be spread accurately and smoothly within the public right of way.~~
- ~~C.—Topsoil shall be suitable silty sand from an approved source, containing no rock or gravel larger than three-fourths inch and at least 70 percent of material passing a No. 4 U.S. Standard sieve size.~~
- ~~D.—It shall be free of roots, sticks, seeds and other noxious vegetation.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(18) on 12/31/1981

Amended by Ord. [2001-016](#) §2 on 3/28/2001

Repealed by Ord. 2025-008 §11 on X/X/XXXX

17.48.460 Construction; Catchbasins (Repealed)

~~Catchbasins shall be constructed of class 3000 portland cement concrete and in accordance with standard drawings as determined by the Road Department Director.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(19) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) §1 on 1/30/2012

Amended by Ord. [2021-007](#) §1 on 7/9/2021

Repealed by Ord. 2025-008 §11 on X/X/XXXX

17.48.470 Construction; Permanent Traffic Control (Repealed)

~~All traffic control devices required by the Road Department Director shall be procured and installed by the developer and shall meet the requirements of the current Federal Highway Administration's Manual on Uniform Traffic Control Devices ("MUTCD").~~

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HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, § 8.200(20) on 12/31/1981

Amended by Ord. [2001-016](#) §1 on 3/28/2001

Amended by Ord. [2011-018](#) on 1/30/2012

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.480 Construction; Final Cleanup \(Repealed\)](#)

~~A.—Final cleanup shall consist of pulling the shoulders and dressing of the earthwork side slopes.~~

~~B.—Any material pulled onto the pavement is to be broomed off.~~

~~C.—The roadway side slopes are to be raked to remove all equipment tracks and berms.~~

HISTORY

Adopted by Ord. [81-043](#) §1, Exhibit A, §8.200(21) on 12/31/1981

Amended by Ord. [2001-016](#) §2 on 3/28/2001

~~Repealed by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48.490 Road And Street Project \(Renumbered\)](#)

~~(Renumbered to 12.25.500)~~

~~A.—Subdivision Standards Applicable. Design and construction standards set forth in DCC 17.48 are applicable to all road and street projects.~~

~~B.—Land Use Permit Required. A land use permit shall be required for any Class I or Class II road and street project. No land use permit shall be required for a Class III road and street project. The road project shall be reviewed against the applicable comprehensive plan Transportation Plan element and the following standards:~~

~~1.—Compatibility with existing land use and social patterns, including noise generation, safety hazards (e.g. children in a residential area), and zoning.~~

~~2.—Environmental impacts, including hazards imposed to and by wildlife (e.g. migration or water use patterns).~~

~~3.—Retention of scenic quality, including tree preservation.~~

~~4.—Means to improve the safety and function of the facility, including surrounding zoning, access control and terrain modifications.~~

~~5.—In the case of roadways where modification results in a change of traffic types or density, impacts on route safety, route land use patterns, and route nonmotorized/pedestrian traffic.~~

~~6.—Consideration of the potential developmental impact created by the facility.~~

~~7.—Cost effectiveness.~~

~~C.—Bicycle Facilities. Bicycle facilities consisting of a portion of the paved roadway and designated by striping, signing and pavement markings for the preferential or exclusive use of bicyclists, shall~~

~~be constructed in conjunction with a road and street project if the project involves the new construction, modernization, reconstruction or major alteration of an arterial or collector to the adopted County road standards.~~

~~D.—Sidewalks. Sidewalks shall be required in conjunction with a road and street project in accordance with DCC 12.35.100, Developed Area Sidewalks.~~

HISTORY

Adopted by Ord. [88-015](#) §5 on 5/18/1988

Amended by Ord. [93-012](#) §54 on 8/4/1993

Amended by Ord. [2001-016](#) §1 on 3/28/2001

~~Renumbered by Ord. 2025-008 §11 on X/X/XXXX~~

[17.48 Table A Minimum Road Design Standards \(Repealed\)](#)

RURAL COUNTY ROADS (Outside of the La Pine, Tumalo and Terrebonne Unincorporated Communities)												
Road Type/Class	ROW	Paved Width⁽⁶⁾	Travel Lane Width	Paved Shoulder Width	Gravel Shoulder Width	Turn Lane Width	Swale⁽¹²⁾	Sidewalk Required^(6a)	Surface Type	Base Depth⁽⁸⁾	Max. Grade⁽⁸⁾	Design Speed/Min. Tang./Min. Curve
State Highway	80'-100'	36'-70'	12'	6'	--	14'	n/a	--	(1)	(1)	6%	(1)
Minor Arterial	80'	28'-46'⁽⁹⁾	11'	3'-5'	2'	14'	n/a	--	3" AC	10"	6%	(2)
Collector	60'	28'-46'⁽⁹⁾	11'	3'-5'	2'	14'	n/a	--	3" AC	8"	8%	(2)
Local	60'	20', 24'⁽¹⁰⁾	--	--	2'	--	Yes	--	0-9 or 2" AC	6"	10%	(2)
Partition												
<10-acre avg. lot size	60'	20'	--	--	2'	--	Yes	--	0-9 or 2" AC	6"	10%	(2)
>10-acre avg. lot size	60'	20'	--	--	--	--	--	--	Aggregate	5"	10%	(2)

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Other												
Industrial	60'	32'	--	--	--	--	--	--	3" AC	10"	6%	(2)
Private	--	20', 28' ⁽⁸⁾	--	--	--	--	--	--	0-9 or 2" AC	6"	12%	(2)
Frontage	40'-60'	28'	--	--	--	--	--	--	3" AC	8"	10%	(2)
LA PINE Urban Unincorporated Community, La Pine Planning Area												
US Highway 97	100'	74'	12'	6'	6'	14'	No	Yes ⁽²⁺⁾	(+)	(+)	6%	(1)
Minor Arterial	80'	36-50'	12'	6'	2'	14'	Yes	Yes	3" AC	10"	6%	(2)
Collector	60'	36'	12'	6'	2'	14'	Yes	Yes	3" AC	8"	8%	(2)
Local												
Commercial	60'	32'	11'	5'	2'	--	Yes	Yes	3" AC	8"	10%	(2)
Residential (>250 projected ADT)	60'	28'	10'	4'	2'	--	Yes	No ⁽¹⁺⁾	2" AC	6"	10%	(2)
Residential (<250 projected ADT)	60'	24'	10'	2'	2'	--	Yes	No ⁽¹⁺⁾	2" AC	6"	10%	(2)
Other												
Alley	20'	15'-20'	--	--	--	--	No	No	2" AC	4"	10%	(2)
Pathway	20'	8' ⁽²³⁾	--	--	2.5'	--	Yes	--	Variable	4"	10%	--
LA PINE Urban Unincorporated Community, Wickiup Junction Planning Area												

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Alley	20'	15'	--	--	--	--	No	No	2" AC	4"	10%	(2)
Pathway	15'	8' ⁽²³⁾	--	--	2.5'	--	No	--	Variable	4"	10%	--
TUMALO Unincorporated Community												
US Highway 20	80'-100'	60'	12'	4'	6'	14'	No	No	⁽⁴⁾	(1)	6%	(1)
Collector												
Commercial	60'	30'	11'	4'	2'	14'	Yes	Yes	3" AC	8"	8%	(2)
Residential	60'	36'	12'	6'	2'	14'	Yes	No	3" AC	8"	8%	⁽²⁾
Local												
Commercial	60'	20'	10'	--	2'	--	Yes	No ^(15,16)	3" AC	8"	8%	(2)
Residential	60'	20'	10'	--	2'	--	Yes	No	0-9 or 2" AC	6"	10%	(2)
Other												
Alley (Commercial)	20'	20'	--	--	--	--	No	No	2" AC	6"	10%	⁽²⁾
Path/Trail	15'	6' unpaved 8' paved ⁽²³⁾	--	--	2.5' (if paved)	--	--	--	2" AC	4"	5%	--

TERREBONNE Unincorporated Community												
Road Type/Class	ROW	Paved Width ⁽⁹⁾	Travel Lane Width	Paved Shoulder Width	Gravel Shoulder Width	Turn Lane Width	Swale ⁽¹²⁾	Surface Type	Sidewalk Required	Base Depth ⁽⁸⁾	Max Grade ⁽⁸⁾	Design Speed/ Min Tang/ Min Curve
US Highway 97	80'-100'	60'	12'	6'	6'	14'	No	⁽⁴⁾	No ⁽¹⁴⁾	(1)	6%	⁽⁴⁾

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Minor Arterial													
Smith Rock Way	TeC	60'	34'	12'	5'	2'	14'	Yes	3" AC	Yes (+5)	10"	6%	(2)
	TeR	60'	34'	12'	5'	2'	14'	No	3" AC	No	10"	6%	(2)
Lower Bridge Way		60'	34'	12'	5'	2'	14'	No	3" AC	No	10"	6%	(2)
Collector													
Commercial	TeC	60'	24'	12'	--	2'	--	Yes	3" AC	Yes	8"	8%	(2)
	TeR	60'	24'	12'	--	2'	--	No	3" AC	No	8"	8%	(2)
Residential	TeR	60'	24'	12'	--	2'	--	No (+6)	3" AC	No (+6)	8"	8%	(2)
Local													
Commercial	TeC	60'	24'	12'	--	2'	--	Yes	3" AC	Yes (+5)	8"	8%	(2)
	TeR	60'	24'	12'	--	2'	--	No	3" AC	No	8"	8%	(2)
Residential	TeR	60'	20'	12'	--	2'	--	No (+7)	0-9 or 2" AC	No (+7)	6"	10%	(2)
Other													
Alley (Commercial)		20'	20'	10'	--	--	--	No	2" AC	No	6"	10%	(2)
Path/Trail		15'	6' unpaved 8' paved (+2)	--	--	2.5 (if paved)	--	--	2" AC	--	4"	5%	--

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Notes: (1) Design shall be in accordance with Oregon Department of Transportation Design Standards. (2) Design shall be in accordance with AASHTO standards. (3) Pavement widths are variable, depending on such factors as anticipated traffic volumes, and whether the road section involves turn lanes, bike lanes, and whether frontage roads border an arterial or collector, etc. (4) The required base depth may be increased when a C.B.R., or R-value is required by the Road Department. (5) Cul-de-sac bulb to be constructed with a 45-foot minimum radius. (6) Increase in grade of 2 percent may be allowed in unusually steep areas. (7) No curb for rural frontage roads. (8) 20' allowed for cul-de-sac's and roads with low anticipated traffic volumes as long as separate multiple use paths are provided. 28' width required (including the required 4' striped shoulder bikeway in each direction) for circulator and primary subdivision access roads and other roads when separate multiple use paths are not provided. (9) The larger of the two widths is necessary if a shoulder bikeway is required (4' for collector and 5' for arterial). (10) 20' allowed for cul-de-sac's and roads with low anticipated traffic volumes. 24' width required for circulator and primary subdivision access roads. (11) Sidewalks required for new subdivisions and partitions, within Unincorporated Communities, that result in an average lot size of 11,000 square feet or less. (12) Widths are variable, but in no case shall a swale be less than 6 feet in width. Swales shall conform as much as practicable to DEQ best management practices for non-underground injection control (UIC) systems such as grassy or vegetated bioswales designed (sized) to mitigate anticipated storm water runoff. (13) Where drainage swales are not required, the standards for drainage in Title 17, Chapter 17.48 shall still apply. (14) 6-foot sidewalks required on both sides of Highway 97 between South 11th Avenue and Central Avenue intersections. Includes pedestrian crossing improvement at B Avenue and C Avenue intersection (see Terrebonne Comprehensive Plan Map D-3). (15) 5-foot curbless sidewalks with a drainage swale required on both sides of the road. (16) 5-foot curbless sidewalks with drainage swales required in Terrebonne from West 19th Street to 15th Street on the south side of C Avenue (see Terrebonne Comprehensive Plan Map D-3), or those roads in Tumalo designated for sidewalks (see Tumalo Comprehensive Plan Map D2). (17) 5-foot curbless sidewalks with drainage swales required along school frontage on B Avenue and 5th Street (see Terrebonne Comprehensive Plan Map D-3). (18) Where allowed, parking must be off pavement. (19) 40 feet immediately adjacent to arterial road, or 60 feet when frontage road is separated from arterial by private land. (20) In the Community Facility Limited District, sidewalks at least five feet wide shall be installed at the time of development. The sidewalks shall be property line tight and meet ADA accessibility requirements. (21) 10-foot sidewalks required on both sides of US Highway 97 between First/Reed and 6th Street intersections. (22) Rather than a continuous paved parking shoulder, parking in designated pullout areas can be provided along the collectors for access to open space, parks and residential lots. (23) The minimum width is 8 ft. However, 8 ft. wide multiuse paths are not recommended in most situations because they may become over-crowded. They should only be constructed as short connectors, or where long term usage is expected to be low, and with proper horizontal and vertical alignment to assure good sight distances. 10 ft is the standard width for a two-way multi-use path but they should be 12 ft wide in areas with high mixed-use. Optimum width should be based on the relative use by cyclists and pedestrians. High use by skaters may also require greater width.

HISTORY

Repealed by Ord. 2025-008 §11 on XX/XX/XXXX

17.48 Table B Minimum Bikeway Design Standards (Repealed)

Type	Stripe	On/ Off Road	Width ³			Vertical Clearance		Lateral Clearance (each side)		Cro ss- slop e Gra de	Grade		Pavement Structure		Mul ti- use	RO W
Multi use Path		Off	Min.	Stand -	Hi gh Us e	Mi n.	Stan d.	Mi n.	Stan d.	2%	Stan d.	Max.	Aggreg ate Base	A. C.	Yes	Mi n.
			8'	10'	12'	8'	10'	2'	3'		5%	>5% up to dista nce	4"	2"		15'

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											of 500'				
Mt. Bike Trail		Off		2'		7'	10							Yes	
Bike Lane	8" with paint ed stenc il	On	4' w/op en shoul der 5' w/cur b-or parki ng	6'							Use on urban arterial or major collector, or rural roads near urban areas with high anticipated bike use	Same as parent roadway	No		
Shoul der Bikew ay	4"	On	4'	4' w/op en shoul der 5' w/cur b-or other barrie r	6'						Recommen ded on higher speed, and traffic volume rural roads	Same as parent roadway	No		
Share d Road way		On									Recommen ded only on local roads with speeds of 25 mph or less, and <3,000 ADT	Same as parent roadway	Yes		

Note: A.C. is asphalt concrete

¹ 10 ft is the standard width for a two-way multi-use path; they should be 12 ft wide in areas with high mixed-use. Faster moving bicyclists require greater width than pedestrians; optimum width should be based on the relative use by these two modes. High use by skaters may also require greater width. The minimum width is 8 ft. However, 8-ft. wide multi-use paths are not recommended in most situations

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~~because they may become over crowded. They should only be constructed as short connectors, or where long term usage is expected to be low, and with proper horizontal and vertical alignment to assure good sight distances.~~

HISTORY

Repealed by Ord. 2025-008 §11 on XX/XX/XXXX