

1.1 SHORT TITLE

These Regulations together with all future amendments shall be known as the "Douglas County Roadway Design & Construction Standards" (hereinafter called *Roadway Standards*). The original *Roadway Standards* were adopted by the Board of County Commissioners (BCC) on September 29, 1990, amended in 1994, 2003 and 2011, and are hereby repealed and replaced with these *Roadway Standards*.

1.2 ENACTMENT AUTHORITY

The Regulations are adopted pursuant to the authority conferred within: Article 28 of Title 30 (County Planning); Article 2 of Title 43 (State, County and City Highway Systems); Article 67 of Title 24 (Planned Unit Development Act); Article 20 of Title 29 (Land Use Control and Conservation); and other applicable sections of Colorado Revised Statutes, as amended. Pursuant to the above authority statutory, these Standards are adopted by resolution and are incorporated by reference as a part of the Regulations.

1.3 JURISDICTION

These *Roadway Standards* shall apply to all land within the unincorporated areas of the County, except where superseded by State of Colorado (Department of Transportation) jurisdiction. All roads, public or private, must conform to these standards, unless the Douglas County Engineering Division accepts alternative standards, See Chapters 3 and 15.

1.4 PURPOSE

Presented in these *Roadway Standards* are the minimum design and technical criteria for the analysis and design of roadway facilities. All subdivisions, resubdivisions, planned developments, or any other proposed construction submitted for acceptance under the provisions of the Douglas County Subdivision Resolution (hereinafter called Resolution), or 35-acre land survey plats, shall include adequate roadway system analysis and appropriate roadway system design. Such analysis and design shall conform to the criteria set forth herein. Options to the provisions of these Roadway Standards may be proposed by the applicant. It shall be the responsibility of the applicant to demonstrate that the options meet or exceed the minimum criteria contained herein. Policies and technical criteria not specifically addressed in this document shall follow the provisions of the American Association of State Highway and Transportation Officials "A Policy on Geometric Design of Highways and Streets," (hereinafter called the Green Book) as amended; the Colorado Department of Transportation (CDOT) Design Standards and Construction Standards, as amended; the CDOT Access Code, as amended; and the Manual on Uniform Traffic Control Devices (MUTCD), as amended.

1.5 AMENDMENT AND REVISIONS

The standards and criteria may be amended as new technology is developed and/or experiences gained in the use of these *Roadway Standards*, which indicate a need for revision. The BCC will consider revisions and/or amendments to these *Roadway Standards* following the recommendations of the Public Works Engineering Director (hereinafter call Engineering Director). Accepted revisions will be adopted by resolution following a public hearing thereon. The Engineering Director shall monitor the performance and effectiveness of these *Roadway Standards* and will recommend changes, amendments and revisions as necessary.

1.6 ENFORCEMENT RESPONSIBILITY

It shall be the duty of the BCC acting through the Engineering Director to enforce the provisions of these *Roadway Standards*.

1.7 REVIEW AND ACCEPTANCE

The County will review all submittals for general compliance with these *Roadway Standards*. Once Douglas County has determined that plans are in general compliance with these *Roadway Standards* and the Acceptance Block has been signed on all plan sheets, the plans will be considered Accepted. Acceptance by the County does not relieve the owner, engineer, or designer from the responsibility of ensuring that the calculations, plans, specifications, construction, and Record Drawings are in compliance with these *Roadway Standards* as stated in the engineer's certification.

1.8 INTERPRETATION

The interpretation and application of the provisions of these *Roadway Standards* shall govern as follows:

- A. These provisions shall be regarded as the minimum requirements for the protection of the public health, safety, comfort, convenience, prosperity, and welfare of the residents of the County. These *Roadway Standards* shall therefore be regarded as remedial and shall be liberally construed to further its underlying purposes.
- B. Whenever a provision of these *Roadway Standards* or any provision in any law, ordinance, resolution, rule, or regulation of any kind, contain any restrictions covering any of the same subject matter, whichever standards are more restrictive or impose higher standards or requirements shall govern.
- C. These *Roadway Standards* shall not modify or alter any non-expired road construction plans which have been filed with and accepted by the Engineering Director prior to the effective date of this Resolution. This exception shall be subject to the conditions and limitations under which said plans were accepted by the Engineering Director.

1.9 VARIANCES

Variances from these *Roadway Standards* will be considered on a case-by-case basis in accordance with procedures outlined in Chapter 3.

1.10 ABBREVIATIONS

As used in these *Roadway Standards*, the following abbreviations shall apply:

AASHTO	American Association of State Highway and Transportation Officials
AASHTO 'Green Book'	A Policy on Geometric Design of Highways and Streets, as amended by AASHTO.
ASTM	American Society of Testing Materials
BCC	The Board of County Commissioners of the County of Douglas, Colorado
CDOT	Colorado Department of Transportation

Chapter 1 – General Provisions

CRS	Colorado Revised Statute
CY	Cubic Yard
DECEL	Deceleration
DEP	Depression
DCRDCS	Douglas County Roadway Design and Construction Standards
DCSDDTC	Douglas County Storm Drainage Design and Technical Criteria
EA	Each
EDLA	Equivalent Daily Load Application
EL or ELEV	Elevation
FEMA	Federal Emergency Management Agency
FHAD	Flood Hazard Area Delineation
FL	Flowline
GESC	Grading, Erosion and Sediment Control
GRAV	Gravel
HOA	Home Owners Association
LOC	Letter of Credit
LF	Lineal Foot
MUTCD	Manual on Uniform Traffic Control Devices
MAX	Maximum
MPH	Miles per Hour
MIN	Minimum
MF	Multifamily
NFPA	National Fire Protection Association
N/A	Not Applicable
PC	Point of Curvature
PCR	Point of Curb Return
PVC	Point of Vertical Curvature
PVI	Point of Vertical Intersection
PVT	Point of Vertical Tangent
PIA	Public Improvements Agreement
PT	Point of Tangent
R	Radius
ROW	Right-of-Way
SCHD	Schedule
SDT	Sight Distance Triangle
SF	Single Family
SY	Square Yard
SIA	Subdivision Improvements Agreement
SIP	Site Improvement Plan
SIPIA	Site Improvement Plan Improvements Agreement
UDFCD	Urban Drainage and Flood Control District
USDCM	Urban Storm Drainage Criteria Manual (UDFCD)
USGS	United States Geological Survey
USC&GS	United States Coast & Geodetic Survey
VCL	Vertical Curve Length