

FOREWORD

The standards contained herein regulate all transportation improvements within the public right-of-way and all private work to be dedicated to the public, either as right-of-way or as an easement. The standards are to be treated as law. To that extent they are imposed to provide for coordinated, modern development with safe and efficient transportation facilities for the benefit of and to serve and protect users. The standards apply within the [City limits and the urban area of Mesa County](#) as defined by the Persigo Agreement. The standards for transportation, engineering and design shall be known as TEDS.

All facilities and improvements within the public right-of-way shall be designed by or under the direct supervision of a registered professional engineer licensed to practice in the State of Colorado. All drawings, designs, sections, detail and supporting data submitted to the City or County for approval must bear the engineer's seal and signature and a statement that: *This design complies with the current TEDS manual dated _____.*” All designs submitted shall be in accordance with the latest edition of the TEDS manual.

Some projects financed wholly or in part with state or federal funds are subject to the standards prescribed by agencies other than the City and County. Such standards may be more or less restrictive than the City of Grand Junction and Mesa County standards. The City and County shall require that the more restrictive standards shall be met.

The TEDS address frequent construction and development problems and questions. The standards by adoption and application ensure consistent transportation engineering design practices for new development and redevelopment of land in the City of Grand Junction and Mesa County. They are supplementary to the City and County Development Codes. Some of the material contained in this document has been drawn from standards of other cities and states and nationally established texts and publications.

The TEDS apply to new developments and as noted, limited and defined herein apply to existing improvements and infill development unless wholly constrained. Infill development in an urban area may be constrained by existing improvements, which if such condition exists shall require an affirmative waiver of TEDS in accordance with Chapter 14. The City and County may deviate from these standards only when and if deviation is shown to be warranted.

On Colorado Highways within the City of Grand Junction and urbanized Mesa County, the Colorado Department of Transportation (CDOT) [Roadway Design Manual](#), and the [State Access Code](#) shall apply but only if more restrictive than TEDS.

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**Companion Documents and Software
Recommended For Use with the
Transportation Engineering Design Standards**

Publications

Local:

*City of Grand Junction Zoning & Development Code
City of Grand Junction Standard Contract Documents*

Mesa County Road & Bridge Standards

State:

*CDOT Roadway Design Manual
CDOT State Highway Access Code*

Federal:

*Transportation Research Board Highway Capacity Manual
Federal Highway Administration Roundabouts: An Informational Guide
Federal Highway Administration Manual on Uniform Traffic Control
Devices*

Professional Organizations:

*Institute of Transportation Engineers Trip Generation
AASHTO A Policy on Geometric Design of Highways and Streets
AASHTO Guide for Bicycle Facilities
AASHTO Roadside Design Guide
AASHTO A Guide for Erecting Mailboxes on Highways
APA Bicycle Facility Planning
Colorado Asphalt Pavement Association Guideline for the Design and Use
of Asphalt Pavements for Colorado*

Software

TEAPAC Signal2000 from Strong Concepts, Inc. (Signal Timing and Analysis)

AaSIDRA from Akcelik and Associates (Roundabout Analysis)

Darwin from AASHTO (Asphalt Pavement Design)

WinPAS from American Concrete Pavement Association