

Project: I-70 Vail Pass Various Wall Repairs
Project Sub Acct. No: 21897
November 1, 2018
Book 3

Applicable Standards, Data, and Reports

GENERAL

The latest versions of the following Standards shall be used for the design and construction of this project:

2017 CDOT *Standard Specifications for Road and Bridge Construction*

2012 *M & S Standards* and latest revisions

CDOT Design Guide -

http://www.coloradodot.info/business/designsupport/bulletins_manuals/roadway-design-guide.

Microstation/inroads configuration and workspace-

<https://www.codot.gov/business/designsupport/cadd/microstation-inroads-configuration/v8i-ss2-configuration>.

AASHTO *Roadside Design Guide*, 4th Edition

AASHTO *A Policy on Geometric Design of Highways and Streets*, 2011, 6th Edition

CDOT *CADD Manual*

CDOT *Drafting Manual*

SURVEY

CDOT *Survey Manual*

ENVIRONMENTAL

Secretary of the Interior Standards for Preservation

CDOT Stormwater Management Plan (SWMP) template and appropriate specifications

CDOT *Erosion Control and Stormwater Quality Guide*

RIGHT OF WAY

The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended.

Design/Build Projects, 23 CFR 710.313(d).

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The Colorado Relocation Assistance and Land Acquisition Policy, CRS 24-56-101, et seq., as supplemented.

CDOT's *Right-of-Way Manual* dated May 20, 2016. CDOT's authority to acquire property is contained in Sections 43-1-208, 210 and 43-3-106 CRS (1984).

Highway Easement Deed, June 10, 2016

STRUCTURE/WALLS

CDOT *Geotechnical Design Manual*

CDOT *Field Materials Manual*

AASHTO *LRFD Bridge Design Specifications*, Customary U.S. Units, 8th Edition, 2014, and any documents referenced therein.

CDOT *Bridge Design Manual*

<http://www.coloradodot.info/library/bridge/bridge-manuals/lrfd-bridge-design-manual>

CDOT *Bridge Detail Manual*

<http://www.coloradodot.info/library/bridge/bridge-manuals/bridge-detail-manual>

AASHTO *Manual for Bridge Evaluation*, 2nd Edition, 2010 with 2013 Interim Revisions

AASHTO *LRFD Bridge Construction Specifications*, 3rd Edition, 2010 with 2014 Interim Revisions

Publication No. FHWA-NHI-14-007, Geotechnical Engineering Circular No. 7, "*Soil Nail Walls Reference Manual*", February 2015

Publication No. FHWA-SA-96-069R "*Manual for Design & Construction of Soil Nail Walls*", 1999

Publication No. FHWA-IF-03-017, Geotechnical Engineering Circular No. 7, "*Soil Nail Walls*", March 2003

Publication No. FHWA-IF-99-015, Geotechnical Engineering Circular No. 4, "*Ground Anchors and Anchored Systems*"

Post-Tensioning Institute (PTI) "*Recommendations for Prestressed Rock and Soil Anchors*",

Project: I-70 Vail Pass Various Wall Repairs
Project Sub Acct. No: 21897
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1996

HYDRAULICS

CDOT *Drainage Design Manual*

USACE, HEC-RAS

FHWA, HY-8

Haestad Methods, StormCAD

Haestad Methods, Flow Master

Haestad Methods, Culvert Master

EMS-I, WMS

Inroads Storm and Sanitary

LANDSCAPING

State of Colorado portion of FHWA's *The Roadside Use of Native Plants*, August 2000

TRAFFIC

FHWA Manual on Uniform Traffic Control Devices (MUTCD)

CONSTRUCTION

CDOT *Construction Manual*