

Project: I-70 Vail Pass Various Wall Repairs
Project Sub Acct. No: 21897
Date: November 1, 2018
Technical Requirements

Section 13 – Roadway Design

ADMINISTRATIVE REQUIREMENTS

The planned improvements to the roadway characteristics of I-70 are limited to the installation of guardrail, removal and replacement of concrete barrier as required by the construction methods, and median grading for erosion control.

Design Requirements

Not Applicable

Design and Plan Submittals

In addition to the submittal requirements specified in this Section, the Contractor shall submit all design and plan documents to the CDOT Project Engineer for Acceptance as required in Section 3 – Quality Management.

Roadway Requirements

General

Type 6 Repair

This type of repair includes installing Guardrail Type 9 and end treatment to protect wall R070A171042LRA from vehicles.

Typical Section

Not Applicable

Stopping Sight Distance

Not Applicable

Fill and Cut Slopes and Clear Zones

Not Applicable

Construction Clear Zone

Construction clear zone is as follows:

Mainline I-70: 30 feet
US 6/US 24: 14 feet

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The Contractor shall not stockpile material, equipment, or vehicles within the above clear zones or in CDOT ROW without permission of the CDOT Project Engineer.

Roadside Slopes Adjacent to Pavement

Roadway slopes shall be returned to their original slope unless otherwise approved by the Engineer.

Roadway

All roadway surfaces damaged by the Contractor's operations shall be removed in accordance with Book 2, Section 10 – Geotechnical and replaced full depth to match existing, including base course and pavement.

Guardrail

All concrete barriers shall be cast-in-place and MASH Compliant.

If there are deviations to the US 6/US 24 Type 9 CD Guardrail design in the plans, the Contractor's guardrail design shall be in accordance with AASHTO Roadside Design Guide, 4th Edition and CDOT's Guardrail M&S Standards. Approval from the CDOT Project Engineer is required for proposed deviations.

Design Exception Process

Not Applicable

Construction Requirements

Removals

The Contractor shall be responsible for the removal of all items on the project designated for removal or found to conflict with project design elements. Removal items shall become the property of the Contractor unless designated to remain property of CDOT. Removal items shall include, but not be limited to: structures/portions of structures and obstructions, and asphalt mat. All removals shall be performed in accordance with Standard Specification 202.

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Deliverables

The Contractor shall submit the following to the CDOT Project Engineer.

Deliverable	Acceptance or Approval	Schedule
Clear Zone Calculations	Acceptance	2 weeks prior to construction

All Deliverables shall also conform to the requirements of Section 3 Quality Management.

Exhibits

Exhibits are as follows:

- A. Roadway Design Criteria – Not Applicable
- B. CDOT Design Exception Variance Request Form 454A – Not Applicable