

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

Technical Requirements

Section 7 – Utilities

GENERAL UTILITY WORK OBLIGATIONS

This Section addresses the Utility Company (or Utility Owner) requirements. Existing utilities shall be protected in place by the Contractor.

There are no known or anticipated utility conflicts. However, the Contractor shall obtain utility locates prior to commencing any type of excavations.

The Contractor shall use reasonable efforts to anticipate and avoid Utilities, and to otherwise minimize and/or mitigate the consequences of the existing Utility facilities.

The Contractor shall provide traffic control for any unanticipated utility work to be coordinated with construction operations as directed by the Engineer.

The work described in these plans and specifications requires full cooperation between the Contractor and the Utility Owners in accordance with subsection 105.11 in conducting their respective operations, so the utility work can be completed with minimum delay to all parties concerned.

Performance Standards

If any of the proposed work at any location meets the following criteria, the utility investigation and design work shall meet Quality Level B standards:

1. The project involves a construction contract with a public entity;
2. The project involves primarily horizontal construction and does not involve primarily the construction of buildings;
3. The project has an anticipated excavation footprint that exceeds 2 feet in depth and that is a contiguous 1,000 square feet (excluding fencing and signing projects) OR involves utility boring;
4. The project requires the design services of a licensed Professional Engineer

Hand digging or hydro-excavation may be required if a utility is within 5 feet of a storm sewer inlet, pipe, culvert location, or guardrail post location.

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Utility Owners

Identification of Utilities

CDOT has completed an initial utility investigation and has identified all known Utilities that may be impacted by the Project. The utilities on the plans have been located at a Quality Level D. The results of CDOT's investigations are shown in the Plan sheets. The following utilities were found by surface locating:

Wall Location	Utilities	Owner
171042	Fiber (Telecommunications)	Centurylink
	Gas	Retired
182489	Fiber	CDOT
183086	Fiber	CDOT
183555	Fiber	CDOT
184163	Fiber	CDOT
185133	None	
185409	Fiber	Centurylink
186429	Fiber	CDOT

Known Utilities

Utility Company	Contact Name	Telephone
CDOT ITS System	Jill Scott	303-512-5805
CDOT Region 3 Traffic Section (CDOT Lighting, Flashing Beacons, and VMS Signs)	Marc Travis	970-683-7534
CDOT – Electric	Donald Olmstead	970-379-0539
Centurylink (Communications)	Kelly McClernon	970-328-8288
Eagle River Water and Sanitation District (Sewer)	Debbie Hoffman	970-477-5460 or 970-471-0644
Xcel Energy (Electric)	Britt Mace	970-262-4032
Xcel Energy (Gas)	Britt Mace	970-262-4032

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Utility Providers – Prior Notice: 2 working days

Contractor Responsibilities –

Contractor is responsible for contacting the utility providers. Contact Mark Travis for locates of CDOT owned lighting, flashing beacons, and VMS signs.

Utility Company Responsibilities – The Utility provider will provide locates and coordination, as necessary.

Unknown Utilities

Unknown utilities not shown on the plans and discovered during construction that require relocation will be paid for by Change Order per section 109.04 of the Standard Specifications.

Abandoned Utilities

All abandoned public utility materials within the project limits will become property of the Contractor. All abandoned private utility materials within the project limits will be removed the private utility owner and coordinated with Contractors work. The Contractor shall verify with the utility owner that the utility material is abandoned before removal. The Contractor shall be responsible for removal and disposal of the materials for public utilities. The cost for removal and disposal of the abandoned public utility materials shall not be paid for separately but shall be included in the work.

Contractors Investigations

The Contractor shall take all actions reasonably practicable to identify and confirm the existence, exact location, size, and type of all Utilities within the Project limits or otherwise potentially impacted by the Project, whether or not such Utilities are shown in the Utility Data, including all potentially impacted service lines, without limiting its ability to negotiate a Change Order with respect to any Unidentified Utility. Such actions shall include making diligent inquiry at the offices of the Utility Owners, consulting public records, and conducting field studies (such as subsurface utility engineering, potholing), as appropriate, taking into consideration the possibility that Utility Owners may provide inaccurate or inexact information with regard to their Utilities. If the Contractor's investigations identify Unidentified Utilities, the Contractor shall notify CDOT and the relevant Utility Owner immediately upon discovery.

Damage to Utilities Caused by the Contractor

The Contractor shall be responsible for any damage caused by the Contractor or its Subcontractors, employees, or agents to property, Utilities, Structures, or Subcontractors, employees, or agents of the Utility Owners. The Contractor shall immediately notify the affected Utility Owner of any utility damaged by the Contractor during performance of the Work.

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Promptly after the Contractor’s discovery of such damage, or the Contractor’s receipt of notice of any such damage from the Utility Owner or from any other source: (a) the Contractor shall repair the damage to the Utility Owner’s satisfaction; or (b) at the Utility Owner’s election, the Utility Owner may make such repairs at the Contractor’s expense. The Contractor shall make payment to a Utility Owner within 60 Days of receipt of the Owner’s invoice.

Multiple Moves

Not Applicable

Utility Coordination

General

None Anticipated

Known Utility Coordination:

None Anticipated

Utility Meetings

Between the Contractor and Utility Owners

Not Applicable

Between CDOT and the Contractor

None Anticipated

Meeting Minutes/Correspondence

None Anticipated

Review Schedules

None Anticipated

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Notices

UNCC Requirements

The Contractor shall comply with Article 1.5 of Title 9, CRS ("Excavation Requirements") when excavation or grading is planned in the area of underground utility facilities. The Contractor shall notify all affected utilities at least two (2) business days, (NOT INCLUDING THE DAY OF NOTICE OR THE DAY OF EXCAVATION) prior to commencing such operations. Contact the Utility Notification Center of Colorado (UNCC) at 811 or 1-800-922-1987 to have locations of UNCC registered lines marked by member companies. All other underground facilities shall be located by contacting the respective company. For CDOT owned utility facilities the Contractor shall call Marc Travis of the Region 3 Traffic Section at 970-683-7534 to request locates. CDOT is not contacted when locates are requested through the UNCC. Utility service laterals shall also be located prior to beginning ANY excavation or grading.

Failure of Utility Owner to Cooperate or Timely Perform

None Anticipated

Utility Work Procedure

Utility Agreements

None Anticipated

Known Utility Coordination.

If the Contractor identifies Utility Work that is required from a Utility Owner without an agreement, CDOT may enter into an agreement with such Utility Owner. The Contractor shall not be a party to any agreement and shall not be responsible for negotiating such agreement. CDOT will be responsible for drafting and negotiating the agreement. The Contractor shall be responsible to coordinate with such Utility Owner as if it had an executed Utility Relocation Agreement.

Exhibits

See Plans

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Deliverables

At a minimum, the Contractor shall submit the following for Review, Approval, or Acceptance:

Deliverable	Review, Acceptance, or Approval	Schedule
None		

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

The locations of utility facilities as shown on the Plans, and/or herein described, were obtained from the best available information.

The locations of utility facilities as shown on the plan sheets and/or herein described, as Quality Level D.