



PROJECT SPECIAL PROVISIONS

PEDESTRIAN CROSSINGS PROJECT
PACKAGE 2

PROJECT NUMBER: RFP-24-007
PROJECT CODE: 26666

October 2025

**EL PASO COUNTY
 DEPARTMENT OF PUBLIC WORKS
 PEDESTRIAN CROSSINGS PROJECT - PACKAGE 2**

The 2025 Standard Specifications for Road and Bridge Construction controls construction of this project. The following special provisions supplement or modify the Standard Specifications and take precedence over the Standard Specifications and plans.

Project Special Provisions

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Notice To Bidders

Pursuant to subsections 102.04 and 102.05, it is recommended that bidders on this project review the work site and plan details with an authorized County representative. Prospective bidders shall contact one of the following listed authorized County representatives at least 12 hours in advance of the time they wish to go over the project.

El Paso County Engineer - Joshua Palmer
Office Phone: (719) 520-6460

The above referenced individuals are the only representatives of the County with authority to provide any information, clarification, or interpretation regarding the plans, specifications, and any other contract documents or requirements.

All questions shall be directed to the County contacts listed above no later than 7:00 A.M. Monday of the week of bid opening. Final questions and answers will be posted no later than Tuesday morning of bid opening week.

Questions and answers shall be used for reference only and shall not be considered part of the Contract.

COMMENCEMENT AND COMPLETION OF WORK (WORKING DAY)

The Contractor shall commence work on the date of contract execution by all Parties and shall complete all work **within 120 working days** per the "Notice to Proceed." The time count shall begin upon receipt of the Notice to Proceed.

A Limited Notice to Proceed may be provided to the Contractor prior to the Notice to Proceed for the purpose of ordering certain materials for the project that may require substantial lead time prior to delivery to the site, permitting and other non-construction tasks. Construction Work shall commence upon Notice to Proceed.

DISADVANTAGED BUSINESS ENTERPRISE (DBE) CONTRACT GOAL

This is a federally assisted construction project. As described in the CDOT DBE Standard Special Provision, the Bidder shall make good faith efforts to meet the following contract goal:

Percent DBE participation.

On The Job Training Contract Goal

The Department has determined that On the Job Training shall be provided to trainees with the goal of developing full journey workers in the types of trade or classification involved. The contract goal for On the Job Trainees working in an approved training plan in this Contract has been established as follows:

Minimum number of total On the Job Training required 320 hours

REVISION OF SECTION 101 DEFINITIONS AND TERMS

Certain terms utilized in the Specifications referred to above shall be interpreted to have different meanings (where applicable) within the scope of this Contract. When used in reference to compliance with laws and regulations, or the source of specifications or drawings, the terms shall retain their original meaning.

The following sections are amended for purposes of identification of the Owner and responsible parties for control of the construction of this project.

CONTRACT MODIFICATION ORDER: In addition to the definition given in the “CDOT Standard Specifications”, the term “Contract Modification Order” shall also include and be synonymous with the term “Change Order”.

PROJECT ENGINEER OR ENGINEER: This term shall mean the El Paso County Engineer, El Paso County Department of Public Works or designated representative.

OWNER: The term “OWNER” shall refer to the El Paso County Department of Public Works, acting through and on behalf of the El Paso County Board of County Commissioners.

Other additional terms that may be utilized in the Standard Specifications shall be interpreted to have different meanings within the scope of this Contract. A summary of redefinitions follows:

- a. “CDOT Resident Engineer”: shall mean the County Engineer, El Paso County, Colorado or designated representative.
- b. “County” or “EPC” shall mean El Paso County, Colorado.
- c. “Department” shall mean El Paso County, Colorado, Department of Public Works, Engineering Division.
- d. “Department of Transportation” shall mean El Paso County, Department of Public Works, Engineering Division.
- e. “CDOT Resident Engineer” shall mean the County Engineer, El Paso County, Colorado or designated representative.
- f. “Engineer” shall mean the County Engineer, El Paso County, Colorado, or designated representative.
- g. “Regional Transportation Director” shall mean the El Paso County Department of Public Works, Engineering Division.
- h. “State, State of Colorado, or State Department of Transportation or CDOT” shall mean El Paso County, Colorado (where applicable).

REVISION OF SECTION 102 BIDDING REQUIREMENTS AND CONDITIONS

Section 102 of the Standard Specifications is hereby revised for this project as follows:

Subsection 102.01 - Pre-Qualification of Bidders, is deleted in its entirety.

Subsection 102.05 shall include the following:

The following construction documents are available to all bidders:

- a. Standard Special Provisions
- b. Project Special Provisions
- c. Construction Plans
- d. Geotechnical and Pavement Design Report
- e. Final Drainage Report

**REVISION OF SECTION 103
AWARD AND EXECUTION OF CONTRACT**

Section 103 of the Standard Specifications is hereby revised for this project as follows:

Add Subsection 103.05 Contract Duration

The contract will remain open until all Work has been completed and accepted by the County, all permit requirements have been met and all permits have been closed, including but not limited to, the El Paso County Work in the ROW Permit. If agreed upon by the Contractor and the Engineer, the project may be deemed substantially complete, and retainage or partial retainage may be released prior to closing permits, but the Contractor will remain responsible for meeting all permit requirements, including but not limited to, inspections, maintenance, and additional Work as approved by the Engineer, until the permits have been closed. All permits shall remain open until closure is agreed upon by the Contractor and the Engineer.

REVISION OF SECTION 104 CONSTRUCTION STAGING AND PHASING

Section 104 of the Standard Specifications is hereby revised for this project as follows:

Subsection 104.04 shall include the following:

(e) Traffic Signal Maintenance: The Contractor shall be responsible for maintaining the existing and new traffic signals, RRFBs and other devices for the duration of the Project. Maintenance shall include, but not be limited to: adjusting signal heads and detection equipment for construction phasing, signal bulb replacement, signal head repair and/or replacement, detection camera repair and/or replacement, electric system repair and/or replacement, controller adjustments and/or repair, structural repair and/or replacement, and all labor, equipment and materials for accomplishing the maintenance activities. The contractor shall coordinate with El Paso County regarding the materials and labor required for repairs.

Maintenance of the traffic signals and devices as described above will not be paid for separately but shall be included in the Work.

Damage to the traffic signals and devices due to the Contractor's operations and/or negligence shall be repaired at the Contractor's expense.

REVISION OF SECTION 105 AS-CONSTRUCTED DRAWINGS

Subsection 105.02(b) shall include the following:

The Contractor shall coordinate with the Project Inspector to supply the Engineer upon completion, an as-constructed set of drawings showing the locations of items that were changed during construction and any other pertinent information that altered from the construction bid set plans. The changes will be “red-lined” and agreed upon by the Contractor and the Engineer. Costs associated with the as-constructed plans shall be included in the Work.

REVISION OF SECTION 105 COOPERATION BETWEEN CONTRACTORS

Section 105 of the Standard Specifications is hereby revised for this project as follows:

Subsection 105.12 shall include the following:

Other construction agencies may be working concurrently in the vicinity of the project. The Contractor shall conduct the work so as not to interfere with or hinder the progress or completion of the work being performed by other agencies or contractors. All traffic control conflicts that arise between the needs of the various construction contractors and other agencies shall be brought to the attention of the Project Engineer. The Project Engineer will decide the method of resolution.

**REVISION OF SECTION 202
REMOVAL OF SIDEWALK**

Section 202 of the Standard Specifications is hereby revised for this project as follows:

Subsection 202.01 shall include the following:

The Contractor shall be responsible for the removal and disposal of all sidewalks identified for removal per the plans.

BASIS OF PAYMENT

Subsection 202.12 shall include the following:

Payment will be made under:

Pay Item	Pay Unit
Removal of Sidewalk	Square Yard

Payment will be full compensation for all labor, materials, and equipment required to complete the work.

**REVISION OF SECTION 202
REMOVAL OF CURB AND GUTTER**

Section 202 of the Standard Specifications is hereby revised for this project as follows:

Subsection 202.01 shall include the following:

The Contractor shall be responsible for the removal and disposal of all curb and gutter identified for removal per the plans.

This work shall include the removal of curb (landscape timber) as specified in the construction plans.

BASIS OF PAYMENT

Subsection 202.12 shall include the following:

Payment will be made under:

Pay Item	Pay Unit
Removal of Curb	Linear Foot
Removal of Curb and Gutter	Linear Foot

Payment will be full compensation for all labor, materials, and equipment required to complete the work.

**REVISION OF SECTION 202
REMOVAL OF CONCRETE CURB RAMP**

Section 202 of the Standard Specifications is hereby revised for this project as follows:

Subsection 202.01 shall include the following:

The Contractor shall be responsible for the removal and disposal of all concrete curb ramp identified for removal per the plans.

BASIS OF PAYMENT

Subsection 202.12 shall include the following:

Payment will be made under:

Pay Item	Pay Unit
Removal of Concrete Curb Ramp	Square Yard

Payment will be full compensation for all labor, materials, and equipment required to complete the work.

REVISION OF SECTION 202 REMOVAL OF ASPHALT MAT

Section 202 of the Standard Specifications is hereby revised as follows:

Subsection 202.01 shall be revised to include the following:

Prior to removal, the Contractor will mark the limits of removals, and the Engineer will approve the limits of removal in the field.

In **Subsection 202.02** delete the seventh paragraph and replace with the following:

The existing asphalt mat, which varies in thickness from 3.5 inches to 12 inches, shall be removed in a manner that minimizes contamination of the removed mat with underlying material. The removed mat shall become the property of the Contractor and shall be handled in one or more of the following ways:

1. Recycled into the hot mix asphalt in accordance with Version 6 of the Pikes Peak Region Asphalt Paving Specifications.
2. Disposed of off-site in accordance with the contract documents.
3. Reused as Aggregate Base Course Class 6 in accordance with requirements specified in subsection 703.03.

Subsection 202.11 shall be revised to include the following:

The removal of the existing asphalt mat will be measured by the square yard of mat removed to the required depth and accepted.

BASIS OF PAYMENT

Subsection 202.12 shall include the following:

Payment will be made under:

Pay Item	Pay Unit
Removal of Asphalt Mat	Square Yard

Unless otherwise specified in the Contract, the disposal of the asphalt mat or its use in other locations on the project will not be measured and paid for separately but shall be included in the work.

Sawcutting of existing pavement for removals will not be paid for separately but shall be included in the work.

REVISION OF SECTION 202 REMOVAL OF TRAFFIC SIGNAL EQUIPMENT

Section 202 of the Standard Specification is hereby revised for this project as follows:

Subsection 202.03 shall include the following:

The removed cabinets and all appurtenances including controller(s) and all other equipment internal to the cabinet shall be delivered to a El Paso County specified location.

All salvable material shown on the plans shall be removed, without unnecessary damage, in sections or pieces that may be readily transported, and delivered by the Contractor to the El Paso County yard at **3275 Akers Drive, Colorado Springs, Colorado 80922**, or as directed by the Engineer. The Contractor shall be held responsible for the safekeeping of all salvable materials during the period of the Contract until they are delivered to the located noted above. The Contractor shall make good or replace at his own expense any such materials damaged, stolen or otherwise lost prior to delivery. All salvable materials, as designated on the plans, shall remain the property of El Paso County. The Contractor shall dispose of all removed traffic signal equipment not salvaged by the County.

Subsection 202.04 shall include the following:

Removal of the traffic signal equipment shall include signal poles, mast arms, footings (removed two feet below final grade), backfill, pedestrian push buttons, signal heads, pedestrian signal heads, luminaires, pull boxes, attachment hardware, and all incidental equipment, except as itemized and noted on plans. Existing below ground electrical conduit, wire and circuits shall be completely removed as not to be conflicting to the proposed work. All wiring shall be removed from existing conduit and the conduit shall be abandoned in place.

BASIS OF PAYMENT

Subsection 202.12 shall include the following:

Pay Item	Pay Unit
Removal of Traffic Signal Equipment	Lump Sum

Payment for removal of traffic signal equipment shall be for the complete removal of existing facilities and includes all labor and equipment required for the removal, disposal and salvage.

**REVISION OF SECTION 203
POTHOLING**

Section 203 of the Standard Specifications is hereby revised for this project as follows:

CONSTRUCTION REQUIREMENTS

Subsection 203.05(f) is hereby revised to include the following:

Pothole hours shall be approved by the Engineer prior to commencing work.

Potholes completed under this Pay Item by the Contractor and/or the Contractor's Sub-Contractor shall document pothole location, utility type, depth, and material. Data collected shall be tabulated in a spreadsheet or other approved method so that pothole data can be recreated on-site by survey methods as needed during construction.

METHOD OF MEASUREMENT

Subsection 203.11(e) is hereby revised to include the following:

Potholing will only be measured, as defined above, for obtaining the pothole data one time at any location/utility.

BASIS OF PAYMENT

Subsection 203.12 is hereby revised to include the following:

The accepted quantities measured as provided above will be paid for at the contract unit price for each of the pay items listed below that appear in the bid schedule:

Pay Item	Pay Unit
Potholing	Hour

REVISION OF SECTION 210 MANHOLE ADJUSTMENTS

Section 210 of the Standard Specifications is hereby revised for this project as follows:

Subsection 210.10 shall include the following:

The Contractor shall notify each utility company (Owner) prior to any construction that will involve the adjustment of its manholes.

Each Owner will mark all their manholes that will be involved in the specified construction area.

Prior to commencing construction, the Contractor shall coordinate and conduct, with the Engineer and each Owner, an inspection of all impacted manholes. The purpose of this inspection will be to account for all manholes involved in the construction and determine their accessibility and condition. The Contractor shall provide traffic control for this inspection and for the final inspection. The Contractor shall coordinate construction with the Owner to allow sufficient time for the Owner to make all necessary repairs to manholes and before construction begins in the area of the manholes. All parties shall agree on the condition of each manhole prior to construction.

The Contractor shall adjust all manholes that require adjustment with materials conforming to the Owner's specifications. Some adjustments may require the addition, removal, or replacement of a manhole or cone section. If manhole adjustment requires a manhole cone or barrel section to be added, removed, or replaced, this work will not be considered as "Adjust Manhole", but shall be performed in accordance with the Section 210 requirements for the item "Modify Manhole."

The Contractor shall prevent tools, concrete, dirt, or debris of any kind from falling into the channel of the existing manhole. The Contractor shall clean or remove debris from downstream storm and sanitary sewer that enters as a result of the Contractor's work.

**REVISION OF SECTION 210
MANHOLE ADJUSTMENTS
-CONTINUED-**

The Contractor shall coordinate and conduct, with the Engineer and each Owner, a final inspection upon completion of construction. This inspection shall assure that all manholes are in compliance with these requirements. The Engineer will obtain the Owner's written approval before accepting the work.

Subsection 210.12 shall include the following:

The Contractor will be paid separately for each manhole adjustment. Adjustment of manhole includes lowering and raising as needed to complete construction.

Subsection 210.13 shall include the following:

Payment will be made under:

Pay Item	Pay Unit
Adjust Manhole	Each

**REVISION OF SECTION 240
PROTECTION OF MIGRATORY BIRDS BIOLOGICAL WORK PERFORMED BY A
CDOT BIOLOGIST**

Add Section 240 to the Standard Specifications for this project as follows:

DESCRIPTION

240.01 This work consists of protecting migratory birds during construction.

MATERIALS AND CONSTRUCTION REQUIREMENTS

240.02 The Contractor shall schedule clearing and grubbing operations and work on structures to avoid taking (pursue, hunt, take, capture, or kill; attempt to take, capture, kill or possess) migratory birds protected by the Migratory Bird Treaty Act (MBTA).

(a) Vegetation Removal. When possible, vegetation shall be cleared before the time active nests are present. Vegetation removal activities shall be timed to avoid the migratory bird breeding season which begins on April 1 and runs to August 31. All areas scheduled for clearing and grubbing between April 1 and August 31 shall first be surveyed within the work limits by a CDOT biologist for active migratory bird nests. The CDOT biologist will also survey for active migratory bird nests within 50 feet outside of the work limits. Project personnel shall enter areas outside CDOT right of way only if a Form 730, *Permission to Enter Property*, has been signed by the property owner. The Contractor shall avoid all active migratory bird nests. The Contractor shall avoid the area within 50 feet of the active nests or the area within the distance recommended by the biologist until all nests within that area have become inactive. Inactive nest removal and other necessary measures shall be incorporated into the work as follows:

1. **Tree and Shrub Removal or Trimming.** Tree and shrub removal or trimming shall occur before April 1 or after August 31 if possible. If tree and shrub removal or trimming will occur between April 1 and August 31, a survey for active nests will be conducted by the CDOT biologist within the seven days immediately before the beginning of work in each area or phase of tree and shrub removal or trimming. The Contractor shall notify the Engineer at least ten working days in advance of the need for the CDOT biologist to perform the survey.

If an active nest containing eggs or young birds is found, the tree or shrub containing the active nest shall remain undisturbed and protected until the nest becomes inactive. The nest shall be protected by placing fence (plastic) a minimum distance of 50 feet from each nest to be undisturbed. This buffer dimension may be changed if determined appropriate by the CDOT biologist and approved by the Engineer. Work shall not proceed within the fenced buffer area until the young have fledged or the nests have become inactive.

**REVISION OF SECTION 240
PROTECTION OF MIGRATORY BIRDS BIOLOGICAL WORK PERFORMED BY A
CDOT BIOLOGIST
-CONTINUED-**

If the fence is knocked down or destroyed by the Contractor, the Engineer will suspend the work, wholly or in part, until the fence is satisfactorily repaired at the Contractor's expense. Time lost due to such suspension will not be considered a basis for adjustment of time charges but will be charged as contract time.

2. Grasses and Other Vegetation Management. Due to the potential for encountering ground nesting birds' habitat, if work occurs between April 1 and August 31, the area shall be surveyed by the CDOT biologist within the seven days immediately before ground disturbing activities. The Contractor shall notify the Engineer at least ten working days in advance of the need for the CDOT biologist to perform the survey. The undisturbed ground cover to 50 feet beyond the planned disturbance, or to the right of way line, whichever is less, shall be maintained at a height of 6 inches or less beginning April 1 and continuing until August 31 or until the end of ground disturbance work, whichever comes first.

If birds establish a nest within the survey area, an appropriate buffer of 50 feet will be established around the nest by the CDOT biologist. This buffer dimension may be changed if determined appropriate by the CDOT biologist and approved by the Engineer. The Contractor shall install fence (plastic) at the perimeter of the buffer. Work shall not proceed within the buffer until the young have fledged or the nests have become inactive.

If the fence is knocked down or destroyed by the Contractor, the Engineer will suspend the work, wholly or in part, until the fence is satisfactorily repaired at the Contractor's expense. Time lost due to such suspension will not be considered a basis for adjustment of time charges but will be charged as contract time.

- (b) *Work on structures.* The Contractor shall prosecute work on structures in a manner that does not result in a taking of migratory birds protected by the Migratory Bird Treaty Act (MBTA). The Contractor shall not prosecute the work on structures during the primary breeding season, April 1 through August 31, unless he takes the following actions:
- (1) The Contractor shall remove existing nests before April 1. If the Contract is not awarded before April 1 and CDOT has removed existing nests, then the monitoring of nest building shall become the Contractor's responsibility upon the Notice to Proceed.
 - (2) During the time that the birds are trying to build or occupy their nests, between April 1 and August 31, the Contractor shall monitor the structures at least once every three days for any nesting activity.

**REVISION OF SECTION 240
PROTECTION OF MIGRATORY BIRDS BIOLOGICAL WORK PERFORMED BY A
CDOT BIOLOGIST
-CONTINUED-**

(3) If birds have started to build any nests, the nests shall be removed before they are completed. Water shall not be used to remove the nests if nests are located within 50 feet of any surface waters.

(4) Installation of netting may be used to prevent nest building. The netting shall be monitored and repaired or replaced as needed. Netting shall consist of a mesh with openings that are $\frac{3}{4}$ inch by $\frac{3}{4}$ inch or less.

If an active nest becomes established, i.e., there are eggs or young in the nest, all work that could result in abandonment or destruction of the nest shall be avoided until the young have fledged or the nest is unoccupied as determined by the CDOT Biologist and approved by the Engineer. The Contractor shall prevent construction activity from displacing birds after they have laid their eggs and before the young have fledged.

If the project continues into the following spring, this cycle shall be repeated. When work on the structure is complete, the Contractor shall remove and properly dispose of netting used on the structure.

(c) *Taking of a Migratory Bird.* The taking of a migratory bird shall be reported to the Engineer. The Contractor shall be responsible for all penalties levied by the U. S. Fish and Wildlife Service (USFWS) for the taking of a migratory bird.

METHOD OF MEASUREMENT

240.03 Removal of nests will be measured by the actual number of man-hours spent removing inactive nests just before and during the breeding season, April 1 through August 31. During this period, the Contractor shall submit to the Engineer each week for approval a list of the workers who removed nests and the number of hours each one spent removing nests.

Netting will be measured by the square yard of material placed to keep birds from nesting on the structure. Square yards will be calculated using the length of netting measured where it is attached to the ground and the average height of the netting where it is attached to the structure.

BASIS OF PAYMENT

240.04 The accepted quantities measured as provided above will be paid for at the contract unit price for each of the pay items listed below that appear in the bid schedule. Payment will be made under:

**REVISION OF SECTION 240
PROTECTION OF MIGRATORY BIRDS BIOLOGICAL WORK PERFORMED BY A
CDOT BIOLOGIST
-CONTINUED-**

Pay Item	Pay Unit
Removal of Nests	Hour
Netting	Square Yard

Payment for Removal of Nests will be full compensation for all work and material required to complete the work.

Payment for netting will be full compensation for all work and material required to complete the item. Overlaps of netting will not be measured and paid for separately but shall be included in the work. Maintenance and replacement, removal, and disposal of netting will not be measured and paid for separately but shall be included in the work. Clearing and grubbing will be measured and paid for per Section 201. Mowing will not be measured and paid for separately but shall be included in the work.

Removal and trimming of trees will be measured and paid for per Section 202.
Fence (Plastic) will be measured and paid for per Section 607.

REVISION OF SECTION 304 AGGREGATE BASE COURSE

Revise **Section 304** of the Standard Specifications for this project as follows:

Subsection 304.02 shall include the following:

Materials for the base course shall be Aggregate Base Course (Class 6). The base course must meet the gradation requirements and should be placed in maximum 6-inch-thick lifts and compacted to a dense and unyielding condition and to at least 95% of the maximum dry density (AASHTO T180), per the Geotechnical Report prepared by Shannon & Wilson, Inc. 5900 W. 38th Avenue, Wheat Ridge, CO 80212, titled "Geotechnical and Pavement Design Report, El Paso County Pedestrian Crossings, El Paso County, Colorado, dated March 31, 2025.

Subsection 304.07 is hereby revised to include the following:

The quantity for Aggregate Base Course (Class 6) will not be remeasured but will be the quantity designated in the Contract Documents unless field changes are ordered, or the Contractor fails to furnish plan quantity. If field changes are ordered or plan quantity not furnished, the quantity will be calculated using the revised dimension. The Engineer, prior to beginning the work, shall approve the additional or reduced volume in writing.

No allowances shall be made for shrinkage, swell, or subsidence due to compaction of the existing ground or any other losses. No separate measurement or payment will be made for processing and distributing the Aggregate Base Course (Class 6) as directed.

Subsection 304.08 is hereby revised to include the following:

The Contract Unit Price shall be full compensation for all labor, equipment and material needed to complete the work (including furnish, placement, compaction, fine grading, stockpile and redistribute as required during construction).

REVISION OF SECTION 403 HOT MIX ASPHALT

Revise **Section 403** of the Standard Specifications for this project as follows:

Subsection 403.02 shall include the following:

The design mix for hot mix asphalt shall conform to the Pikes Peak Region Asphalt Paving Specifications, Version 6 unless otherwise specified in these Project Special Provisions or following approval by the Engineer. The Contractor shall prepare a quality control plan outlining the steps taken to minimize segregation of HMA. This plan shall be submitted to the Engineer and approved prior to beginning the paving operations. If the Engineer determines that segregation is unacceptable, the paving shall stop, and the cause of segregation shall be corrected before paving operations will be allowed to resume. The materials for hot mix asphalt shall conform to the requirements described in Version 6, Sections 2, 3, and 4 of the Pikes Peak Region Asphalt Paving Specifications unless otherwise specified in these Project Special Provisions or following approval by the Engineer.

Subsection 403.03 shall include the following:

The construction requirements shall be as described in Version 6, Section 4 of the Pikes Peak Region Asphalt Paving Specifications unless otherwise specified in these Project Special Provisions or following approval by the Engineer.

The Contractor shall construct the Work such that all roadway pavement placed prior to the time paving operations end for the year, shall be completed to the full thickness required by the plans. The Contractor's Progress Schedule shall show the methods to be used to comply with this requirement.

Delete **subsection 403.04** and replace with the following:

Hot mix asphalt will be measured as described in Version 6, Section 4 of the Pikes Peak Region Asphalt Paving Specifications unless otherwise specified in these Project Special Provisions or following approval by the Engineer.

BASIS OF PAYMENT

Delete **subsection 403.05** and replace with the following:

The accepted quantities of hot mix asphalt will be paid for in accordance with subsection 401.22, at the contract unit price per ton for the bituminous mixture.

**REVISION OF SECTION 403
HOT MIX ASPHALT
-CONTINUED-**

Payment will be made under:

Pay Item	Pay Unit
Hot Mix Asphalt (Patching) (Asphalt)	Ton

Aggregate, asphalt recycling agent, asphalt cement, additives, hydrated lime, and all other Work and materials necessary to complete each hot mix asphalt item will not be paid for separately but shall be included in the unit price bid.

The price will be full compensation, furnishing all materials, preparation, mixing, placing and compaction of these materials and for all labor, equipment, tools, and incidentals necessary to complete the Work.

REVISION OF SECTION 412 PORTLAND CEMENT CONCRETE PAVEMENT

Section 412 of the Standard Specifications is hereby revised for this project as follows:

DESCRIPTION

Subsection 412.01 shall be revised to include the following:

This work shall also include cross pan and raised crossing concrete pavement. All work shall be in accordance with the latest edition of the El Paso County Standard Drawings & Specifications.

The Contractor shall construct the Work identified per the plans. The Engineer will obtain the Owner's inspection and written approval before accepting the work.

Subsection 412.12 shall be revised to include the following:

The Contractor shall ensure that new concrete items built under this contract drain properly and, as such, there are no areas of standing water on new concrete items.

The Contractor shall protect all new concrete items built under this Contract against defacement, or other injury, from any cause. If the damage cannot be adequately repaired to the satisfaction of the Project Engineer, the Contractor shall remove and replace the unacceptable items at Contractor's expense.

Subsection 412.13 shall include the following:

Dowel bars and tie bars for replaced concrete pavement shall be placed in accordance with Standard Plan M-412-1 unless otherwise directed by the Project Engineer. Dowel bars and tie bars for Concrete Pavement. To anchor dowel bars and tie bars, holes shall be drilled into the sawed face of the existing slab, perpendicular to the joints. All alignments shall be measured and verified before the placement of concrete. Dowel baskets shall be used for joints in repair areas that exceed more than one panel replacement.

METHOD OF MEASUREMENT

In **subsection 412.23**, first paragraph, delete the first sentence and replace it with the following:

The quantities of Concrete Pavement to be paid for under these items will be the number of square yards completed and accepted.

**REVISION OF SECTION 412
PORTLAND CEMENT CONCRETE PAVEMENT
-CONTINUED-**

BASIS OF PAYMENT

Subsection 412.24 is hereby revised to include the following:

Payment will be made under:

Pay Item	Pay Unit
Concrete Pavement (6 Inch) (Special)	Ton
Concrete Pavement (8 Inch)	Ton

For concrete pavement work at raised crossings, payment for Concrete Pavement (6 inch) (Special) will be full compensation for all work and material required to place and finish the concrete pavement in accordance with the contract, regardless of the thickness of the concrete in the middle of the raised crossing.

All concrete, reinforcing, and other materials and labor required to construct the detail shown in the plans are included in the work.

**REVISION OF SECTION 610
MEDIAN COVER MATERIAL**

Section 610 of the Standard Specifications is hereby revised for this project as follows:

DESCRIPTION

Subsection 610.01 shall be revised to include the following:

This work shall also include plowable median nose. All work shall be in accordance with the latest edition of the El Paso County Standard Drawings & Specifications. The Contractor shall construct the Work identified per the plans. The Engineer will obtain the Owner’s inspection and written approval before accepting the work.

METHOD OF MEASUREMENT

Delete subsection 610.04 and replace with the following:

The quantities of concrete median cover material, including 4 inch patterned concrete and plowable median nose, will be measured by the square foot of surface placed and accepted.

BASIS OF PAYMENT

Subsection 610.05 is hereby revised to include the following:

Payment will be made under:

Pay Item	Pay Unit
Median Cover material (4 inch Patterned Concrete)	Square Foot
Plowable Median Nose	Square Foot

All concrete, reinforcing, and other materials and labor required to construct the detail shown in the plans and the El Paso County Standard Drawings & Specifications are included in the work.

**REVISION OF SECTION 613
PULL BOX**

Subsection 613.13 shall include the following:

Pull Box will be measured by the actual number of pull boxes installed and accepted.

BASIS OF PAYMENT

Subsection 613.14 shall include the following:

Pull Box shall include installation of the pull box, modification of conduit ends, restoration of disturbed surface materials, and all other work necessary to complete the installation. Pull Box shall include base, lid(s), center support brace, required wording or graphics on lid, skid-resistance surface, lift slots, stainless steel bolts, excavation, backfill, and ¾ inch granite-gravel. Pull Box shall include the removal and patching of pavement, sidewalks, curb and gutters, and their replacement in kind to match existing grade.

Payment will be made under:

Pay Item	Pay Unit
Pull Box (24"x36"x18")	Each
Pull Box (17"x30"x18")	Each

**REVISION OF SECTION 614
STEEL SIGN POSTS**

Section 614 of the Standard Specifications is hereby revised for this project as follows:

MATERIALS

Subsection 614.02 shall include the following:

The Contractor shall furnish and install square tubular steel sign posts. Tubing shall be corner welded galvanized steel conforming to ATSM specification A-653. The tube size shall be 1 3/4" X 1 3/4" X 10' telespar post with a 2" X 2" x 3' telespar stub at 14 gauge as approved by the Project Engineer with a length tolerance of +/- 1/4 inch. Steel signposts shall be installed using a 2 1/4" X 2 1/4" telespar sleeve. An 8-inch PVC stub shall be used for sign posts mounted in concrete. Signs shall be installed in accordance with the City of Colorado Springs Traffic Engineering Signage and Pavement Marking Guidelines.

BASIS OF PAYMENT

Payment will be made under:

Pay Item	Pay Unit
Steel Sign Post (1.75x1.75 Inch Tubing)	Linear Foot

**REVISION OF SECTION 614
TRAFFIC SIGNAL MATERIALS**

Section 614 of the Standard Specifications is hereby revised for this project as follows:

MATERIALS

Subsection 614.08 shall be revised with the following:

Traffic Signal Materials Section 614 of the Standard Specifications for Road and Bridge Construction will be replaced with City of Colorado Springs Traffic Signal Installation and Parts Specifications.

BASIS OF PAYMENT

Payment will be made under:

Pay Item	Pay Unit
Signal Head Backplates	Each
Pedestrian Signal Face (16) (Countdown)	Each
Accessible Pedestrian Signal	Each
Traffic Signal Face (12-12-12)	Each
Traffic Signal Face (12-12-12-12)	Each
Conflict Monitor	Each
Traffic Signal Controller Cabinet	Each
Pedestrian Push Button Post Assembly	Each
Traffic Signal-Light Pole Steel (1-30 Foot Mast Arm)	Each
Traffic Signal-Light Pole Steel (1-35 Foot Mast Arm)	Each
Traffic Signal Pedestal Pole Steel	Each
Traffic Signal Controller (Solid State) (Full Actuated) (8-Phase)	Each

REVISION OF SECTION 614 RECTANGULAR RAPID FLASHING BEACON

Section 614 of the Standard Specifications is hereby revised for this project as follows:

DESCRIPTION

This work consist of furnishing and installing Rectangular Rapid Flashing Beacons (RRFBs) at the locations shown on the plans. RRFBs shall be fully functional sign assemblies, including RRFB flashing units, pedestal pole type support structures, pole footings, controllers, controller cabinets, wireless communication equipment, push button assemblies/instructional signs, all mounting hardware, cabling/wiring, and solar power assemblies

CONSTRUCTION REQUIREMENTS

Rectangular Rapid Flashing Beacon (RRFB) sign assemblies shall be installed on a steel traffic signal type pedestal pole, mounted on an 18-inch diameter footing, in conformance with Colorado Springs City Traffic Signal Installation and Parts Specifications. RRFBs shall be solar powered.

The height of the pedestal pole shall be a minimum of 15 feet.

Pedestal poles shall be installed immediately adjacent to the pedestrian curb ramp or sidewalk landing area as shown on the plans, to ensure the push button is accessible to pedestrians. The pole shall also be installed such that the base collar is offset a minimum of 2 feet from the face of the adjacent curb.

The pedestrian crossing signs mounted on the pedestal poles shall be as specified in the plans. W11-2 panels shall be mounted a minimum of 7 feet above finished grade, with the arrows of the W16-7p panel pointing down towards the pedestrian crossing.

The RRFB light bar units shall be LED type and Amber in Color. Light bars shall be mounted back-to-back, facing both directions of travel (bi-directional operations), and the units shall allow for horizontal rotation for field adjustment and aiming. The units shall be mounted between the W16-7p and S1-1 School Crossing 36" X 36", with a minimum gap of 4 inches from each panel.

Push buttons shall be mounted 42 inches above finished grade, as measured from the center of the button. Push buttons shall be oriented towards the nearest curb ramp or pedestrian landing/ sidewalk area. Push buttons shall include a frame assembly with a 9"x12" pedestrian instructional sign (R10-25) in conformance with FHWA standards.

**REVISION OF SECTION 614
RECTANGULAR RAPID FLASHING BEACON
-CONTINUED-**

The main control cabinet (enclosure) shall be mounted on the backside of the pole away from traffic, behind or above the warning panels. The enclosure shall be an aluminum type housing, weatherproof, with a lockable tamper-proof hinged door. The enclosure shall house all necessary electrical components for the RRFB, such as the flash controller/user interface unit, communications components, and wiring routing/termination panels.

All RRFB associated controller and flasher components shall be furnished from the same manufacturer.

All wiring for the RRFBs shall conform with the manufacturer requirements and in compliance with National Electrical Codes.

All programming and final alignment of signs shall be approved by the Engineer before the installation is placed into operation

BASIS OF PAYMENT

Payment will be made under:

Pay Item	Pay Unit
Rectangular Rapid Flashing Beacon	Each

REVISION OF SECTION 619 REMOVE AND REPLACE VALVE BOX

Section 619 of the Standard Specifications is hereby revised for this project as follows:

DESCRIPTION

Subsection 619.01 shall include the following:

The Contractor shall be responsible for the removal and disposal of all existing valve boxes associated with the waterlines owned by the Security Water District as identified on the plans.

The Contractor shall be responsible for the installation of new valve boxes on waterlines owned by the Security Water District as identified on the plans.

MATERIALS

Subsection 619.02 shall include the following:

All new valve boxes shall meet the material requirements and specifications of the Security Water District as defined in the District's "Water Distribution System Design Criteria and Standard Specifications." Copies of the District's specifications shall be obtained from the Security Water District representative, Brandon Bernard at 719-392-3475 or email b.bernard@securitywsd.com.

CONSTRUCTION REQUIREMENTS

Subsection 619.03 shall include the following:

Removal and replacement of valve boxes shall be coordinated with, and subject to the inspection by the Security Water District. The Contractor shall notify the Security Water District representative, Brandon Bernard at 719-392-3475, at least 20 days prior to proceeding with construction to schedule inspections. Damage to any water valve assembly or adjacent waterline by the Contractor shall be repaired or replaced at the Contractor's expense.

All new valve boxes within a pedestrian access route shall be no more than ¼" below finished grade.

METHOD OF MEASUREMENT

Subsection 619.04 shall include the following:

Remove and replace valve box will be measured by the actual number of existing valve boxes removed and replaced and accepted by Security Water District or the Project Engineer.

**REVISION OF SECTION 619
REMOVE AND REPLACE VALVE BOX
-CONTINUED-**

BASIS OF PAYMENT

Subsection 619.05 shall include the following:

Pay Item	Pay Unit
Remove and Replace Valve Box	Each

Structure excavation, structure backfill, bedding material, and other work and materials necessary to complete valve box removal and installation will not be measured and paid for separately but shall be included in the work.

REVISION OF SECTION 627 AND 713 PREFORMED THERMOPLASTIC PAVEMENT MARKING

Section 627 of the Standard Specifications is hereby revised for this project as follows:

Subsection 627.01 delete and replace with the following:

This work consists of furnishing and applying pavement marking, and furnishing, installing, and removing temporary pavement marking in accordance with these specifications, the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), the Colorado supplement thereto, City of Colorado Springs Traffic Engineering Signage and Pavement Markings Guidelines, and in conformity to the lines, dimensions, patterns, locations and details shown on the plans or established.

Subsection 627.03 is revised to include the following:

The Contractor shall replace permanent pavement markings damaged or removed as a result of the work. Replacement pavement marking material shall be new material of the same type and color that existed prior to the work commencing. All replacement pavement marking materials shall conform to Section 713.

Subsection 713.12 shall include the following:

a) General.

Material such as lines, legends, or symbols shall be capable of being affixed to HMA or PCC pavements. Marking shall be capable of conforming to pavement contours, breaks, and faults etc. by the use of the normal heat of a propane torch. Marking shall be capable of withstanding the actions of traffic at normal pavement temperatures. Marking shall have resealing characteristics such that it is capable of fusing with itself and previously applied thermoplastic pavement markings when heated with the torch.

b) Physical Requirements.

1. Marking shall have a factory applied coated surface of beads in addition to the intermixed beads at the rate of 1 lb. (\pm 10%) per 11 sq. ft. The factory applied coated surface beads shall have the following specifications:

- a) Minimum 80% round
- b) Minimum refractive index of 1.50.
- c) Minimum SiO₂ content of 70%
- d) Maximum iron content of 0.1%
- e) The additional beads shall follow the specifications below in reference to the Colorado Blend bead specification

**REVISION OF SECTION 627 AND 713
PERFORMED THERMOPLASTIC PAVEMENT MARKING
-CONTINUED-**

Size Gradation	% Retained
14	0-3%
16	2-10%
18	10-30%
20	30-60%
30	50-80%
35	60-85%
45	95-100%
60	98-100%

c) Performance.

Marking, when applied in accordance with manufactures recommendations shall demonstrate a uniform level of sufficient night time retro-reflection when tested in accordance to ASTM E1710-97. The applied material must have an initial minimum intensity reading of 500 mcd·m-2·1x-1 for white and 300 mcd·m-2·1x-1 for yellow as measured with a retro-reflectometer.

The top surface of the stencils (the same side as the factory applied surface beads) shall have an indicator system for the contractor to properly gauge the correct amount of heat to apply during installation. The indicator system shall have a positive visual indication, such as beads changing color or indents closing together, when the material has reached the correct installation temperature. The indicator system must also provide a positive, visual indication if the material has not reached the correct installation temperature.

BASIS OF PAYMENT

Payment will be made under:

Pay Item	Pay Unit
Preformed Thermoplastic Pavement Marking(Word-Symbol)(Inlaid)	Square Foot
Preformed Thermoplastic Pavement Marking(Xwalk-Stop Line)(Inlaid)	Square Foot

**REVISION OF SECTION 630
TRAFFIC CONTROL**

Section 630 of the Standard Specifications is hereby revised for this project as follows:

METHOD OF MEASUREMENT

Subsection 630.18 paragraphs 1-4 shall be deleted and replaced with the following:
Traffic control devices including signs, channelizing devices, and barricades will not be measured separately, but will be measured and paid for as a lump sum.

BASIS OF PAYMENT

Subsection 630.19 is hereby revised to include the following:

Payment of Traffic Control (Special) shall be made according to the percentage of the project schedule completed.

Pay Item

Traffic Control (Special) LS

Pay Unit

Lump Sum

REVISION OF SECTION 702 BITUMINOUS MATERIALS

Section 702 of the Standard Specifications is hereby revised for this project as follows:

Delete Table 702.01 and replace it with Table 2.06 from Version 6, Section 2 of the Pikes Peak Region Asphalt Paving Specifications.

**TABLE 2.06
 PROPERTIES OF PERFORMANCE GRADED BINDERS**

Property	PG Graded Binder Requirements				AASHTO Test No.
	58-28	64-22	64-28	76-28 ¹	
Original Binder Properties					
Flash Point Temperature, °C, minimum	230	230	230	230	T 48
Viscosity at 135 °C, Pa·s, maximum	3	3	3	3	T 316
Dynamic Shear, Temperature °C, where $G^*/\sin @ 10 \text{ rad/sec} \geq 1.00 \text{ kPa}$	58	64	64	76	T315
Ductility, 4°C (5cm/min) cm, minimum			50		T 51
Toughness, joules, minimum			12.4		CP L-2210 ²
Tenacity, joules, minimum			8.5		CP L-2210 ²
RTFO Residue Properties AASHTO T 240					
Mass Loss, percent maximum	1	1	1	1	T 240 CPL 2215
Dynamic Shear, Temperature °C where $G^*/\sin @ 10 \text{ rads} \geq 2.20 \text{ kPa}$	58	64	64	76	T315
Elastic Recovery, 25 °C, percent minimum				50	T-301
Ductility, 4 °C (5 cm/min) cm, minimum			20		T 51
Pressure Aging Vessel Residue Properties, Aging Temperature 100 °C AASHTO R28					
Dynamic Shear, Temperature °C where $G^*/\sin @ 10 \text{ rads} \leq 5000 \text{ kPa}$	19	25	22	28	T315
Creep Stiffness, @ 60 s, test Temp. in °C	-18	-12	-18	-18	T-313
S, maximum, MPa	300	300	300	300	T313
m-value, minimum	0.3	0.3	0.3	0.3	T313

¹ Special grades used for unique loading or climate conditions. ² CDOT Test Method.

REVISION OF SECTION 703 AGGREGATES

Section 703 of the Standard Specifications is hereby revised for this project as follows:

Delete Subsection 703.04 and replace it with Version 6 of the Pikes Peak Region Asphalt Paving Specifications.

Delete Subsection 703.06 and replace it with Version 6 of the Pikes Peak Region Asphalt Paving Specifications.

FORCE ACCOUNT ITEMS

DESCRIPTION

This special provision contains the Department's estimate for force account items included in the Contract. The estimated amounts marked with an asterisk will be added to the total bid to determine the amount of the performance and payment bonds. Force Account work shall be performed as directed by the Engineer.

BASIS OF PAYMENT

Payment will be made in accordance with subsection 109.04. Payment will constitute full compensation for all work necessary to complete the item.

Force account work valued at \$5,000 or less, that must be performed by a licensed journeyman to comply with federal, state, or local codes, may be paid for after receipt of an itemized statement endorsed by the Contractor.

Estimated

<u>Force Account Item</u>	<u>Estimated Quantity</u>	<u>Amount</u>
F/A Minor Contract Revisions	F.A.	\$ 25,000
F/A Landscape Restoration	F.A.	\$ 10,000
F/A Furnish & Install Electrical Service	F.A.	\$ 20,000
F/A Erosion Control	F.A.	\$ 5,000

F/A Minor Contract Revisions - Consists of minor work authorized and approved by the Engineer, which is not included in the contract plans or specifications, and is necessary to accomplish the scope of work of this contract.

F/A Landscape Restoration - Cost of restoration of landscaping items including irrigation system impacted by the work of this contract. All items shall be approved by the Engineer prior to installation or they will be at no cost to the project.

F/A Furnish & Install Electrical Service - This work shall consist of all cost charges from the power service provider, and all necessary materials, labor, and coordination required to maintain existing or establish new power sources required for permanent operation of equipment as shown in the plans.

F/A Erosion Control - Supplemental erosion control measures suggested by the Erosion Control Supervisor, but not provided for in the contract plans or specifications. All items shall be approved by the Engineer prior to installation or they will be at no cost to the project.

TRAFFIC CONTROL PLAN - GENERAL

The key elements of the Contractor's method of handling traffic (MHT) are outlined in subsection 630.10(a).

The following documents shall control the preparation of the MHT Plans and are listed in the order of precedence:

- (1) Plans, Specifications and Special Provisions for this project.
- (2) Manual on Uniform Traffic Control Devices (MUTCD).
- (3) El Paso County Engineering Criteria Manual (latest version).
- (4) Colorado Department of Transportation Standard Specifications (2023 edition).
- (5) Colorado Department of Transportation M&S Standards (2019 edition and updates).

Unless otherwise approved by the Engineer, the Contractor's equipment shall follow normal and legal traffic movements. The Contractor's ingress and egress of the work area shall be accomplished with as little disruption to traffic as possible. Traffic control devices shall be removed by picking up the devices in a reverse sequence to that used for installation. This may require moving backwards through the work zone. When located behind barrier or at other locations shown on approved traffic control plans, equipment may operate in a direction opposite to adjacent traffic.

El Paso County may have entered into operating agreements with one or more law enforcement organizations for cooperative activities. Under such agreements, at the sole discretion of El Paso County, law enforcement personnel may enter the work zone for enforcement purposes and may participate in the Contractor's traffic control activities. Nothing in this Contract is intended to create an entitlement, on the part of the Contractor, to the services or participation of the law enforcement organization.

Special Traffic Control Plan requirements for this project are as follows:

During the construction of this project, traffic shall use the present traveled roadway unless identified on the plans or approved by the Engineer.

The Contractor shall not have construction equipment or materials in the lanes open to traffic at any time, unless approved by the Engineer.

At least one week before starting construction, the Contractor shall notify the Engineer of the date the Contractor intends to start construction.

All costs incidental to the foregoing requirements shall be included in the original contract prices for the project.

UTILITIES

The known utilities within the limits of this project are:

UTILITY	CONTACT/EMAIL	PHONE
Academy School District 20	Ray Caplinger ray.caplinger@d11.org	Office:719-520-2211
Black Hills Energy (BHE)	Adam Magoon adam.magoon@blackhillscorp.com Bob Swatek bob.swatek@blackhillscorp.com	Office:719-400-8995 Office:719-332-5856
Cherokee Metropolitan District	Brandon Zembles bzembles@cherokeemetro.org	Mobile:719-517-9289
City of Fountain	Electric: Tracy Tillman ttillman@fountaincolorado.org Fiber Optic: Carl Christian carl@fountaincolorado.org	Office:719-322-2092 Office:719-322-2092
Colorado Department of Transportation (CDOT)	Utility Manager, CDOT Region 2 Todd Ausbun todd.ausbun@state.co.us	Office:719-696-1403
Colorado Springs Utilities (CSU)	Gas - Distribution: Timothy Williams tiwilliams@csu.org Justin Noel jsnoel@csu.org Fiber Optic: Rory Piluso (Fiber Optic) rgpiluso@csu.org	Office:719-668-7276 Office:719-668-4872 Office:719-668-6752
Comcast	Stephen Baca stephan_baca@comcast.com Andrew Chanthalyxay andrew_chanthalyxay@comcast.com Steve Maese steven_maese@comcast.com John Etter john_etter@comcast.com Jason Jacobsen Jason_jacobsen@comcast.com Doug Marx doug_marx@comcast.com	Mobile: 970-445-7544 Mobile: 719-731-0447 Office: 719-517-9383 Office: 720-256-3778 Mobile: 720-557-4395 Office: 720-726-0872

**UTILITIES
 -CONTINUED-**

UTILITY	CONTACT/EMAIL	PHONE
El Paso County	Fiber Optic: Dan Szarkowski danszarkowski@elpasoco.com Todd Ciccarelli toddciccarelli@elpasoco.com	Office:719-250-6463
Force Broadband	Daniel Hamilton dan@forcebb.com	Office:719-896-2120
LQPL - SOLI Technical	Shannon Thompson (Consultant - SGRS) sthompson@cgrs.com Kyle Campbell kyle.campbell@state.co.us	Mobile:307-760-1803 Mobile:303-945-5860
Lumen Technologies (Formerly CenturyLink/Level3) Represented by Terra Technologies	Dominick Bradley dominick.bradley@lumen.com Alexx Madsen alexx.madsen@lumen.com Ken Davis Ken.davis2@lumen.com Rob McLeod (Terra Technologies) rmcLeod@congruex.com	Office:720-738-2723 Office:720-738-2766 Mobile:719-428-8107 Mobile:303-949-2187
Metro Fiber Net	Christian Leui Christian.leui@metronet.com	Mobile:714-262-3494
Mountain View Electric Association (MVEA)	Electric: Les Ulfers les.u@mvea.coop Kevin Dimmett kevin.d@mvea.coop Fiber Optic: Trent Alexander trent.alexander@conexon.us	Office: 719-494-2682 Office: 719-494-2552 Mobile: 719-650-9390
Security Water and Sanitation District (SWSD)	Brandon Bernard b.bernard@securitywsd.com	Office: 719-392-3475
Stratus IQ (Formerly Falcon Broadband)	Chris Otrin cotrin@stratusiq.com Kelly Robinder drobinder@stratusiq.com Mark Kinman mkinman@stratusiq.com David Holm dholm@stratusiq.com	Office: 719-492-6872 Office: 719-213-5911 Office:719-678-1055

**UTILITIES
 -CONTINUED-**

UTILITY	CONTACT/EMAIL	PHONE
Underline	Reid Drapp rdrapp@underline.com Justin Holder jholder@underline.com Tom Bauman tbauman@underline.com	Office: 813-382-0253 Office: 813-217-2177
Zayo	Bradley Leatherman bradley.leatherman@zayo.com Steven Seger steven.senger@zayo.com Chris Gates (Consultant - Cobb Fendley) chris.gates@cobbhendley.com Fatih Adam (Consultant - Cobb Fendley) fatih.adam@cobbhendley.com	Mobile: 703-928-0649 Mobile: 612-210-8036 Mobile: 720-351-6420 Mobile: 832-302-0759

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. Also, in accordance with the plans and specifications, and as directed by the Project Engineer, the Contractor shall keep each utility owner advised of any work being done to its facility, so that each utility owner can coordinate its inspections for final acceptance of the work with the Project Engineer.

The Contractor shall coordinate the work with the owners of the utilities impacted by the work. Coordination with utility owners includes, but is not limited to, staking construction features, providing and periodically updating an accurate construction schedule which includes all utility work elements, providing written notification of upcoming required utility work elements as the construction schedule indicates, allowing the expected number of working days for utilities to complete necessary relocation work, conducting necessary utility coordination meetings, and all other necessary accommodations as directed by the Project Engineer. Surveying and/or staking of utility relocations to be performed by the owner shall be the responsibility of the utility owner. The Contractor shall provide survey staking as described in Revision of Section 625 Construction Surveying for proposed roadway improvements.

Prior to excavating or performing any earthwork operations, the Contractor shall positively locate all existing underground utilities and identify potential conflicts with existing underground utilities and proposed construction, as determined by the Contractor according to proposed methods and schedule of construction. The Contractor shall modify construction plans to avoid existing underground facilities as needed, and as approved by the Project Engineer.

**UTILITIES
-CONTINUED-**

The Contractor shall provide traffic control for any utility work expected to be coordinated with construction, as directed by the Project Engineer. However, traffic control for utility work outside of typical project work hours shall be the responsibility of the utility owner.

All costs incidental to the foregoing requirements will not be paid for separately but shall be included in the work.

UTILITIES -CONTINUED-

PART 1 - CONTRACTOR SHALL PERFORM THE WORK LISTED BELOW:

General Requirements:

The Contractor shall contact, in writing, the utility owner or utility owner's representative upon receipt of Notice to Proceed.

Coordinate Pre-Construction meetings with each utility owner or utility owner's representative and the Project Engineer at least fourteen (14) calendar days prior to beginning construction that may affect any utility infrastructure associated with the work. Utility owners/representatives shall be notified at least fourteen (14) calendar days prior the meeting.

Coordinate project construction with the performance by the utility owner of each utility work element listed in Part 2 below. Perform preparatory work specified in Part 2 for each utility work element. Provide an accurate construction schedule that includes all utility work elements to the owner of each impacted utility.

The Contractor shall work with utility owners to identify required work elements, traffic control, and to verify schedules. No added time will be granted to the construction schedule unless approved by the Project Engineer. Changes to phasing or schedule by the Contractor shall be clearly communicated with the utility owners immediately.

Provide each utility owner with weekly updates to the schedule. Conduct detailed utility coordination meetings weekly, with utility representatives of utilities affected by that week's planned construction activities, to coordinate all requirements and schedules, and provide other necessary accommodations as directed by the Project Engineer. Notify each utility owner in writing, with a copy to the Project Engineer, prior to the time each utility work element is to be performed by the utility owner. Provide the notice with the number of days specified in Part 2 immediately prior to the time the utility work must begin to meet the project schedule.

Provide traffic control, as directed by the Project Engineer, for any utility work by the utility owner expected to be coordinated with construction. However, traffic control for utility work outside of typical project work hours shall be the responsibility of the utility owner. Utility owners shall provide MHT's to the Contractor and the Project Engineer and shall not proceed with utility work until the Contractor and the Project Engineer have approved the utility owner's MHT's.

Provide erosion control for any utility work by the utility owner expected to be coordinated with construction. Erosion control for utility work outside of typical project work hours or current phase of construction shall be the responsibility of the utility owner. Utility owners, in coordination with the Contractor, shall provide erosion control plans/specifications to the Project Engineer and shall

**UTILITIES
-CONTINUED-**

not proceed with utility work until the Contractor and the Project Engineer have approved utility owner's erosion control plan.

Perform each utility work element for each utility owner listed here in Part 1. Notify each utility owner in advance of any work being done by the Contractor to its facility, so that the utility owner can coordinate inspections for final acceptance of the work with the Project Engineer.

The Contractor shall use caution around all existing utilities within the proposed project limits when commencing any type of excavation, subgrade preparation, and re-surfacing of the roadway due to the potential for shallow bury depth of existing utilities below existing roadway pavement section. The Contractor shall verify depths of all existing utilities utilizing potholing as defined in Section 203 Embankment and Excavation, Subsection 203.05 Excavation, Part (f) Potholing, to ensure that existing utilities WILL NOT BE impacted by the Contractor's construction activities. If the contractor finds existing utilities at a depth that will be impacted, they shall modify their construction methods to protect the utility in place. Adjustments to construction methods for subgrade preparation shall be reviewed and approved by the Project Engineer prior to the work commencing in the area of the effected utility. If compaction requirements for the subgrade cannot be met under modified construction methods, the contractor shall coordinate with the utility company to request an in-place relocation, lowering, of the utility in conflict with the work. Relocations of utility lines shall be limited to areas where no other alternative is available to the contractor to meet the compaction requirements and as agreed upon by the Engineer. Costs associated with this requirement will not be measured and paid for separately but shall be included in the cost of the work unless otherwise directed and agreed upon by the Engineer.

Water & Sanitary Utilities:

Security Water and Sanitation District (SWSD):

The Contractor shall protect in place all existing Security Water and Sanitation District (SWSD) infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing SWSD infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall complete all removals and installations of existing and new water valve boxes as noted in the plans and in accordance with Revision of Section 619 Remove and Replace Valve Box included in these Project Special Provisions.

The Contractor shall complete all adjustments of sanitary manholes as noted in the plans, and in accordance with Revision of Section 210 Valve Box and Manhole Adjustments included in these Project Special Provisions.

**UTILITIES
-CONTINUED-**

Throughout the various phases of construction of the project, the Contractor shall coordinate with SWSD representatives to identify/confirm the locations of existing water and sanitary sewer service lines. Known water services lines and sanitary sewer service lines are noted in the plans.

The Contractor shall be aware that portions of the SWSD water infrastructure will be removed and relocated as noted in the plans. This work will be completed by SWSD contractor(s) and is intended to occur prior to construction Notice to Proceed. However, the Contractor shall coordinate with SWSD contractor(s) to accommodate this construction if not completed prior to Notice to Proceed.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed. The Contractor shall schedule a pre-construction meeting with the Engineer and SWSD representative(s), fourteen (14) days, prior to any work beginning in areas that will affect SWSD owned infrastructure.

The Contractor shall coordinate all required inspections with SWSD. Removal and installation of valve boxes and adjustment of manholes shall be inspected and approved by SWSD unless written approval is obtained from SWSD and the Project Engineer to forego this requirement. The Contractor shall provide the utility owner written notice fourteen (14) days immediately prior to each work element requiring inspection to be completed by SWSD.

Cherokee Metropolitan District (CMD):

No conflicts are anticipated with Cherokee Metropolitan District (CMD) facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and CMD representative immediately.

Any conflict with CMD facilities found during construction will be relocated, adjusted, and/or modified by CMD forces at no cost to the project.

The Contractor shall protect in place all existing CMD infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing CMD infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

**UTILITIES
-CONTINUED-**

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

Telecommunication Utilities

Academy School District 20:

No conflicts are anticipated with Academy School District 20 fiber optic facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and Academy School District 20 immediately.

Any conflict with Academy School District 20 facilities found during construction will be relocated, adjusted, and/or modified by Academy School District 20 forces at no cost to the project.

The Contractor shall protect in place all existing Academy School District 20 infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing Academy School District 20 infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

City of Fountain:

No conflicts are anticipated with City of Fountain fiber optic facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and City of Fountain immediately.

Any conflict with City of Fountain facilities found during construction will be relocated, adjusted, and/or modified by City of Fountain forces at no cost to the project.

The Contractor shall protect in place all existing City of Fountain infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing City of Fountain infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

**UTILITIES
-CONTINUED-**

Colorado Springs Utilities (CSU):

No conflicts are anticipated with Colorado Springs Utilities (CSU) fiber optic facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and CSU immediately.

The Contractor shall be aware that CSU will be constructing fiber optic infrastructure during construction of this project. The Contractor shall coordinate with CSU contractor(s) to accommodate this construction.

Any conflict with CSU facilities found during construction will be relocated, adjusted, and/or modified by CSU forces at no cost to the project.

The Contractor shall protect in place all existing CSU infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing CSU infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

Comcast Cable:

No conflicts are anticipated with Comcast coax TV and fiber optic facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and Comcast immediately.

Any conflict with Comcast facilities found during construction will be relocated, adjusted, and/or modified by Comcast forces at no cost to the project.

The Contractor shall protect in place all existing Comcast infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing Comcast infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

**UTILITIES
-CONTINUED-**

El Paso County:

No conflicts are anticipated with El Paso County fiber optic facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and El Paso County immediately.

Any conflict with El Paso County facilities found during construction will be relocated, adjusted, and/or modified by El Paso County forces at no cost to the project.

The Contractor shall protect in place all existing El Paso County infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing El Paso County infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

Force Broadband:

No conflicts are anticipated with Force Broadband fiber optic facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and Force Broadband immediately.

Any conflict with Force Broadband facilities found during construction will be relocated, adjusted, and/or modified by Force Broadband forces at no cost to the project.

The Contractor shall protect in place all existing Force Broadband infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing Force Broadband infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

Lumen Technologies (Telephone and Local Fiber):

The Contractor shall protect in place all existing, adjusted, relocated, and modified Lumen infrastructure as noted in the plans. Any damage to existing or relocated Lumen infrastructure due to the Contractor's construction activities will be repaired at the Contractor's cost.

Portions of the existing Lumen telephone infrastructure will be relocated by Lumen to accommodate the proposed construction as noted in the plans. Once relocation work has been completed Lumen will retire and abandon portions of the existing telephone lines in place within the project area. The Contractor shall confirm with Lumen that existing

**UTILITIES
-CONTINUED-**

telephone lines have been abandoned prior to performing any removal of existing telephone facilities necessary to complete proposed roadway improvements. The Contractor shall provide Lumen seventy-two (72) hours prior notice to confirm and cut off abandoned facilities. Removal of abandoned telephone lines that may impact construction shall be completed by the Contractor and will not be measured and paid for separately but shall be included in the cost of the work.

As specified in Part 2, Lumen shall adjust Lumen owned telephone pedestals and manholes to finish grade. The Contractor shall establish finished grade and provide marking and staking necessary for Lumen to complete the work. The Contractor shall advise Lumen fourteen (14) days prior to needing this work commenced.

No additional conflicts are anticipated and no conflicts are anticipated with Lumen fiber optic facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and Lumen immediately. The Contractor shall note that unanticipated conflicts with Lumen's infrastructure could take a minimum of 60 to 180 working days to relocate.

Any conflict with Lumen facilities found during construction will be relocated, adjusted, and/or modified by Lumen forces at no cost to the project.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed. The Contractor shall schedule a pre-construction meeting with the Project Engineer and Lumen fourteen (14) days prior to any work beginning in areas that will affect Lumen owned infrastructure.

The Contractor shall coordinate all required inspections with Lumen. The Contractor shall provide the utility owner written notice fourteen (14) days immediately prior to each required work element or inspection to be completed by Lumen.

Mountain View Electric Association (MVEA):

No conflicts are anticipated with Mountain View Electric Association (MVEA) fiber optic facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and MVEA immediately.

Any conflict with MVEA facilities found during construction will be relocated, adjusted, and/or modified by MVEA forces at no cost to the project.

**UTILITIES
-CONTINUED-**

The Contractor shall protect in place all existing MVEA infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing MVEA fiber optic infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost. The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

MetroNet:

No conflicts are anticipated with Metronet fiber optic facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and Metronet immediately.

Any conflict with Metronet facilities found during construction will be relocated, adjusted, and/or modified by Metronet forces at no cost to the project.

The Contractor shall protect in place all existing Metronet infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing Metronet infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

Underline:

No conflicts are anticipated with Underline fiber optic facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and Underline immediately.

Any conflict with Underline facilities found during construction will be relocated, adjusted, and/or modified by Underline forces at no cost to the project.

The Contractor shall protect in place all existing Underline infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing Underline infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

Stratus IQ:

No conflicts are anticipated with Stratus IQ fiber optic facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and Stratus IQ immediately.

**UTILITIES
-CONTINUED-**

Any conflict with Stratus IQ facilities found during construction will be relocated, adjusted, and/or modified by Stratus IQ forces at no cost to the project.

The Contractor shall protect in place all existing Stratus IQ infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing Stratus IQ infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

Zayo:

No conflicts are anticipated with Zayo fiber optic facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and Zayo immediately.

Any conflict with Zayo facilities found during construction will be relocated, adjusted, and/or modified by Zayo forces at no cost to the project.

The Contractor shall protect in place all existing Zayo infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing Zayo infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

Electric and Gas Utilities

Black Hills Energy (BHE):

No conflicts are anticipated with Black Hills Energy (BHE) gas facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and BHE immediately.

Any conflict with BHE facilities found during construction will be relocated, adjusted, and/or modified by BHE forces at no cost to the project.

The Contractor shall protect in place all existing BHE infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing BHE infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

**UTILITIES
-CONTINUED-**

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

City of Fountain:

No conflicts are anticipated with City of Fountain electrical facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and City of Fountain immediately.

Any conflict with City of Fountain facilities found during construction will be relocated, adjusted, and/or modified by City of Fountain forces at no cost to the project.

The Contractor shall protect in place all existing City of Fountain infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing City of Fountain infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

Colorado Springs Utilities (CSU):

No conflicts are anticipated with Colorado Springs Utilities (CSU) gas facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and CSU immediately.

Any conflict with CSU gas facilities found during construction will be relocated, adjusted, and/or modified by CSU forces at no cost to the project.

The Contractor shall protect in place all existing CSU gas infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing CSU gas infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

Mountain View Electric Association (MVEA):

No conflicts are anticipated with Mountain View Electric Association (MVEA) electric facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and MVEA immediately.

Any conflict with MVEA facilities found during construction will be relocated, adjusted, and/or

**UTILITIES
-CONTINUED-**

modified by MVEA forces at no cost to the project.

The Contractor shall protect in place all existing MVEA electric infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing MVEA infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

Monitoring Wells and Remediation

SOLI Technical (LQPL):

No conflicts are anticipated with SOLI Technical (LQPL) monitoring wells and remediation facilities. If during construction a conflict is found, the Contractor shall notify the Engineer and LQPL immediately.

Any conflict with LQPL facilities found during construction will be relocated, adjusted, and/or modified by LQPL forces at no cost to the project.

The Contractor shall protect in place all existing LQPL monitoring wells and remediation infrastructure and all associated appurtenances during all phases of construction. Any damage to the existing LQPL infrastructure due to the Contractor's construction activities will be repaired or replaced at the Contractor's cost.

The Contractor shall contact, in writing, the utility owner immediately upon receipt of Notice to Proceed.

PART 2 - UTILITY OWNERS SHALL PERFORM THE WORK LISTED BELOW:

Although the Contractor shall provide Method of Handling Traffic (MHT) and traffic control for utility work expected to be coordinated with construction, traffic control for utility work outside of typical project work hours and current phase of construction shall be the responsibility of the utility owner. The utility owner, in coordination with the Contractor, shall prepare and submit to the Engineer a Method of Handling Traffic Plan for utility work to be performed outside typical project work hours. The utility owner shall obtain acceptance of the Method of Handling Traffic Plan from the Engineer and the Contractor prior to beginning the utility work to be performed outside the typical project work hours.

UTILITIES -CONTINUED-

Additionally, the Contractor shall provide erosion control for any utility work by the utility owner expected to be coordinated with construction, erosion control for utility work outside of typical project work hours or current phase of construction shall be the responsibility of the utility owner. The utility owner, in coordination with the Contractor, shall prepare and submit to the Project Engineer an Erosion Control Plan and Specifications for utility work to be performed outside typical project work hours and/or current phase of construction. The utility owner shall obtain acceptance of the Erosion Control Plan/Specifications from the Project Engineer and the Contractor prior to beginning the utility work to be performed outside the typical project work hours and/or phase of construction.

Water & Sanitary Utilities

Security Water and Sanitation District (SWSD):

Once the Contractor has received NTP, they shall contact in writing the utility owner immediately.

SWSD representative(s) shall attend Project Pre-Construction meetings(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. SWSD forces shall work with the Contractor to protect in place existing SWSD infrastructure as defined in Part 1.

Inspect utility work performed by the Contractor listed in Part 1 above given a minimum of fourteen (14) day notice by the Contractor.

A portion of the SWSD water infrastructure will be removed and relocated as noted in the plans. This work will be completed by SWSD contractor(s) and is intended to occur prior to construction Notice to Proceed. However, the SWSD contractor(s) shall coordinate with the Contractor to accommodate this construction if not completed prior to Notice to Proceed.

If additional conflicts are found during construction, it is estimated that SWSD will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

**UTILITIES
-CONTINUED-**

Any additional conflict with SWSD infrastructure found during construction will be relocated, adjusted, or modified by SWSD at no cost to the project.

Cherokee Metropolitan District (CMD):

CMD representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. CMD forces shall work with the Contractor to protect in place existing CMD infrastructure as defined in Part 1.

No conflicts are anticipated with CMD facilities. If additional conflicts are found during construction, it is estimated that CMD forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

Any additional conflict with CMD infrastructure found during construction will be relocated, adjusted, or modified by CMD at no cost to the project.

Telecommunication Utilities

Academy School District 20:

The Academy School District 20 representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. Academy School District 20 forces shall work with the Contractor to protect in place existing Academy School District 20 infrastructure as defined in Part 1.

No conflicts are anticipated with Academy School District 20 fiber optic facilities. If during construction a conflict is found, it is estimated that Academy School District 20 forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

**UTILITIES
-CONTINUED-**

Any additional conflict with Academy School District 20 infrastructure found during construction will be relocated, adjusted, or modified by Academy School District 20 at no cost to the project.

City of Fountain:

The City of Fountain representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. City of Fountain forces shall work with the Contractor to protect in place existing City of Fountain infrastructure as defined in Part 1.

No conflicts are anticipated with City of Fountain fiber optic facilities. If during construction a conflict is found, it is estimated that City of Fountain forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

Any additional conflict with City of Fountain infrastructure found during construction will be relocated, adjusted, or modified by City of Fountain at no cost to the project.

Colorado Springs Utilities (CSU):

The CSU representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. CSU forces shall work with the Contractor to protect in place existing CSU infrastructure as defined in Part 1.

CSU will be constructing fiber optic infrastructure during construction of this project. CSU contractor(s) and the Contractor shall coordinate this construction.

No conflicts are anticipated with CSU fiber optic facilities. If during construction a conflict is found, it is estimated that CSU forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

UTILITIES -CONTINUED-

Any additional conflict with CSU infrastructure found during construction will be relocated, adjusted, or modified by CSU at no cost to the project.

Comcast Cable:

The Comcast representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. Comcast forces shall work with the Contractor to protect in place existing Comcast infrastructure as defined in Part 1.

No conflicts are anticipated with Comcast coax TV and fiber optic facilities. If during construction a conflict is found, it is estimated that Comcast forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

Any additional conflict with Comcast infrastructure found during construction will be relocated, adjusted, or modified by Comcast at no cost to the project.

El Paso County:

The El Paso County representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. El Paso County forces shall work with the Contractor to protect in place existing El Paso County infrastructure as defined in Part 1.

No conflicts are anticipated with El Paso County fiber optic facilities. If during construction a conflict is found, it is estimated that El Paso County forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

Any additional conflict with El Paso County infrastructure found during construction will be relocated, adjusted, or modified by El Paso County at no cost to the project.

UTILITIES -CONTINUED-

Force Broadband:

The Force Broadband representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. Force Broadband forces shall work with the Contractor to protect in place existing Force Broadband infrastructure as defined in Part 1.

No conflicts are anticipated with Force Broadband fiber optic facilities. If during construction a conflict is found, it is estimated that Force Broadband forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

Any additional conflict with Force Broadband infrastructure found during construction will be relocated, adjusted, or modified by Force Broadband at no cost to the project.

Lumen Technologies (Telephone and Local Fiber):

The Lumen representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. Lumen forces shall work with the Contractor to protect in place existing Lumen infrastructure as defined in Part 1.

Lumen shall relocate telephone infrastructure, including but not limited to telephone lines and pedestals as noted on the plans. This work is anticipated to be coordinated and completed by Lumen during construction of the project. Lumen shall coordinate all work with the Contractor. Construction schedule to be determined and agreed upon between Lumen and the Contractor.

Lumen shall adjust telephone infrastructure, including but not limited to telephone pedestals and manholes as noted on the plans to finish grade as construction progresses. This work is anticipated to take one (1) working day at each location. As specified in Part 1, the Contractor shall establish finished grade and provide marking and staking necessary for Lumen to complete the work.

No additional conflicts are anticipated and no conflicts are anticipated with Lumen fiber optic facilities. If during construction a conflict is found, it is estimated that Lumen forces will relocate their facility within a minimum of 60 to 180 working days from notice of the conflict.

UTILITIES -CONTINUED-

A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

Any additional conflict with Lumen infrastructure found during construction will be relocated, adjusted, or modified by Lumen at no cost to the project.

Mountain View Electric Association (MVEA):

The MVEA representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. MVEA forces shall work with the Contractor to protect in place existing MVEA infrastructure as defined in Part 1.

No conflicts are anticipated with MVEA fiber optic facilities. If during construction a conflict is found, it is estimated that MVEA forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

Any additional conflict with MVEA fiber optic infrastructure found during construction will be relocated, adjusted, or modified by MVEA at no cost to the project.

Metronet:

The Metronet representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. Metronet forces shall work with the Contractor to protect in place existing Metronet infrastructure as defined in Part 1.

No conflicts are anticipated with Metronet fiber optic facilities. If during construction a conflict is found, it is estimated that Metronet forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The

**UTILITIES
-CONTINUED-**

Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

Any additional conflict with Metronet infrastructure found during construction will be relocated, adjusted, or modified by Metronet at no cost to the project.

Underline:

The Underline representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. Underline forces shall work with the Contractor to protect in place existing Underline infrastructure as defined in Part 1.

No conflicts are anticipated with Underline fiber optic facilities. If during construction a conflict is found, it is estimated that Underline forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

Any additional conflict with Underline infrastructure found during construction will be relocated, adjusted, or modified by Underline at no cost to the project.

Stratus IQ:

The Stratus IQ representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. Stratus IQ forces shall work with the Contractor to protect in place existing Stratus IQ infrastructure as defined in Part 1.

No conflicts are anticipated with Stratus IQ fiber optic facilities. If during construction a conflict is found, it is estimated that Stratus IQ forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project

**UTILITIES
-CONTINUED-**

construction team.

Any additional conflict with Stratus IQ infrastructure found during construction will be relocated, adjusted, or modified by Stratus IQ at no cost to the project.

Zayo:

The Zayo representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. Zayo forces shall work with the Contractor to protect in place existing Zayo infrastructure as defined in Part 1.

No conflicts are anticipated with Zayo optic facilities. If during construction a conflict is found, it is estimated that Zayo forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

Any additional conflict with Zayo infrastructure found during construction will be relocated, adjusted, or modified by Zayo at no cost to the project.

Electric and Gas Utilities

Black Hills Energy (BHE):

BHE representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. BHE forces shall work with the Contractor to protect in place existing BHE infrastructure as defined in Part 1.

No conflicts are anticipated with BHE facilities. If additional conflicts are found during construction, it is estimated that BHE forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

UTILITIES -CONTINUED-

Any additional conflict with BHE infrastructure found during construction will be relocated, adjusted, or modified by BHE at no cost to the project.

City of Fountain:

City of Fountain representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. City of Fountain forces shall work with the Contractor to protect in place existing City of Fountain infrastructure as defined in Part 1.

No conflicts are anticipated with City of Fountain Electrical facilities. If additional conflicts are found during construction, it is estimated that City of Fountain forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

Any additional conflict with the City of Fountain infrastructure found during construction will be relocated, adjusted, or modified by the City of Fountain at no cost to the project.

Colorado Spring Utilities (CSU):

CSU representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. CSU representative(s) shall work with the Contractor to protect in place existing BHE infrastructure as defined in Part 1.

No conflicts are anticipated with CSU gas facilities. If additional conflicts are found during construction, it is estimated that CSU will relocate their facility within sixty (60) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between CSU and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

Any additional conflict with CSU gas infrastructure found during construction will be relocated, adjusted, or modified by CSU at no cost to the project.

UTILITIES -CONTINUED-

Mountain View Electric Association (MVEA):

MVEA representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. MVEA forces shall work with the Contractor to protect in place existing MVEA infrastructure as defined in Part 1.

No conflicts are anticipated with MVEA electric facilities. If additional conflicts are found during construction, it is estimated that MVEA forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

Any additional conflict with MVEA electric infrastructure found during construction will be relocated, adjusted, or modified by MVEA at no cost to the project.

Monitoring Wells and Remediation

SOLI Technical (LQPL):

LQPL representative(s) shall attend Project Pre-Construction meeting(s) and Utility Coordination meeting(s) as applicable with a minimum of fourteen (14) calendar day notice of meeting location and time. LQPL forces shall work with the Contractor to protect in place existing LQPL infrastructure as defined in Part 1.

No conflicts are anticipated with LQPL monitoring wells and remediation facilities. If additional conflicts are found during construction, it is estimated that LQPL forces will relocate their facility within thirty (30) working days from notice of the conflict. A schedule to complete unanticipated adjustment, relocation, and/or modification of the utility shall be coordinated and agreed upon between the utility owner and the Contractor. The agreed upon schedule shall be documented in writing and provided to the Project Engineer for review and acceptance. The Contractor's project schedule shall be updated to reflect unanticipated utility relocations so that potential impacts to the overall project schedule can be assessed by the project construction team.

Any additional conflict with LPQL monitoring wells and remediation infrastructure found during construction will be relocated, adjusted, or modified by LQPL at no cost to the project.

**UTILITIES
-CONTINUED-**

GENERAL:

The Contractor shall comply with Article 1.5 of Title 9, CRS ("Excavation Requirements") when excavating 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 actual day of notice, prior to commencing such operations. The Contractor shall contact the Utility Notification Center of Colorado (UNCC) at phone no. 811, to have locations of UNCC registered lines marked by member companies. All other underground facilities shall be located by contacting the respective owner. Utility service laterals shall also be located prior to beginning excavation or grading.

The location of utility facilities as shown on the plan sheets, and herein described, were obtained from the best available information.

All costs incidental to the foregoing requirements will not be paid for separately but shall be included in the work, except as noted within this specification.