

**RIO BLANCO COUNTY
ROAD AND BRIDGE DEPARTMENT**



**RIOB-004-06.00 Minor Structure Replacement
CR-4 Over the Highland Ditch**

Bid Advertisement Date
September 24, 2026

Bid Opening Date
October 22, 2026

Prepared by:



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**Rio Blanco County
Special Provisions
RIOB-004-06.00 Minor Structure Replacement**

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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Special Conditions

STANDARD SPECIFICATIONS AND DETAILS

All work shall be done in accordance with the Colorado Department of Transportation "Standard Specifications for Road and Bridge Construction", dated 2025 .

All contractors bidding on this project are responsible for acquainting themselves thoroughly with all applicable specifications prior to submitting their bid. The successful bidder is responsible for thoroughly acquainting all the personnel he intends to use on this project with all applicable specifications prior to the commencement of any construction.

PROJECT DESCRIPTION

This project is located on CR-4, approximately 6 miles southeast of the town of Meeker in Rio Blanco County. The project consists of a replacement of the RIOB-004-06.00 Minor Structure over the Highland Ditch. The existing structure is a steel stringer bridge supported by steel piles and corrugated steel abutments. The replacement structure is a cast-in-place concrete box culvert with concrete wingwalls in accordance with CDOT Standard Plans.

JOBSITE SAFETY

The Contractor shall conduct his operations in a safe manner and is responsible for all jobsite safety measures. All OSHA regulations and all other pertinent regulations pertaining to the safe operation of construction equipment, workers, methods, and the site shall be strictly adhered to by the Contractor.

PERMITS

It is the responsibility of the Contractor to abide by all applicable Federal, State and Local permits and codes. The Contractor shall thoroughly acquaint himself with the details of each before beginning work.

The following permits have been secured on behalf of the Contractor during the design period:

1. U.S. Army Corps of Engineers 404 Permit. This project has been determined to qualify under a Non-Reporting Nationwide Permit 3 - Maintenance.

All other permits required for the Project shall be obtained by the Contractor as set forth in the Standard Specifications and as listed in the following:

1. CDPHE Industrial Wastewater Discharge Permit - Construction Dewatering (if dewatering is performed and it is determined a permit is required)

The work and costs associated with Contractor obtained permits will not be paid for separately but shall be included in the total bid price of the Project.

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Special Conditions

Proof of insurance shall be required.

SCHEDULING/SEQUENCING REQUIREMENTS

The Contractor shall phase all work to minimize impacts and disturbance to surrounding area of construction zones, as well as neighboring properties. The Contractor shall complete all work which affects any mode of traffic in any given project area noted above before moving into the next project area.

DRAWING ACCURACY AND EXISTING UTILITIES

Effort has been made to identify and verify all existing facilities and utilities. However, some of this information may have been taken from old drawings and utility company maps pertinent to the site.

Utilities are depicted in the plans in accordance with their achieved "quality levels" as defined in the American Society of Civil Engineers (ASCE) document ASCE 38, "Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data."

Location of existing utilities is depicted according to the best available information, are not guaranteed to be all inclusive, and represent conditions at the time of data collection. Prior to construction, Contractor shall verify existing utilities with the Utility Notification Center of Colorado (UNCC) and/or utility companies.

All costs associated with field verification of location and depths of utilities for damage prevention shall be borne by the Contractor, except for potholing directed by the Engineer shall be paid per the contract.

Field verification of location and depths of utilities for damage prevention shall be completed prior to the commencement of any construction.

The Contractor shall immediately notify the Engineer of any discrepancies or newly acquired utility data.

Should repair or replacement be required, work shall be performed according to the requirements of the respective utility company.

EASEMENTS

All work shall be performed within existing rights of way and easements. Any access to the project site through adjacent properties desired by the Contractor for construction convenience shall be obtained by the Contractor. The Contractor shall provide the Engineer evidence of agreements for such access rights.

CONSTRUCTION STAKING

Owner will provide horizontal and vertical survey control data for control points in the field necessary to enable the Contractor to proceed with construction staking for the Work. The Contractor shall be responsible for protecting all field control set. All field

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Special Conditions

control, which must be replaced, will be reset by the Engineer at the Contractor's expense at the Engineer's current rates. A minimum of 48 hours' notice is required for all field control staking.

Contractor shall be responsible for all construction staking in accordance with Section 625 of the Standard Specifications and plans.

Contractor is responsible for resetting any monumentation disturbed during construction in accordance with Sections 625 and 629 of the Standard Specifications.

Surveyor of Record is responsible for setting new monumentation after the completion of the project in accordance with Sections 625 and 629 of the Standard Specifications.

CONSTRUCTION STAGING

Staging and storage areas within the project limits shall be limited to areas within the Right of Way and County owned properties, as approved by Rio Blanco County and the Engineer. Any area used for these purposes shall be restored at the end of the project at the Contractor's expense.

SAFETY CRITICAL WORK

Work requiring the use of cranes and shoring that exceeds 5 feet in height are considered safety critical work elements that will require a construction plan and a safety critical element conference prior to conducting the work.

Refer to CDOT standard specification section 107.07 for requirements and additional information.

WATER CONTROL

The Highland Ditch is used throughout the winter to deliver water to livestock producers. Therefore, water flow in the ditch can not be shut off for the project and must be maintained through the project by the Contractor.

See Project Special Provision 208 Water Control for more information.

MATERIALS TESTING

The Contractor is responsible for providing all materials testing for the project.

Testing results will be used for determining acceptance of the backfill, aggregate base course, asphalt and concrete materials placed on the project

Materials testing will not be paid for separately but shall be included in the work.

See Project Special Provision 105 Materials Testing Performed by Contractor for more information.

Notice to Bidders

The proposal guaranty shall be a certified check, cashier's check, or bid bond as specified in the Invitation for Bids.

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 Rio Blanco County (County).

County Project Manager	Name:	Antina DiBenedetto
	Office Phone:	(970) 878-9594
	Email:	antina.d@rbc.us

Consultant Project Manager	Name:	Mike Fowler, PE
Project Engineer	Office Phone:	(970) 384-9075
	Email:	mikef@sgm-inc.com

The above referenced individuals will serve as the primary personnel in charge representing Rio Blanco County (also referred to as the "County" herein) on this project. Respondents are cautioned not to contact other County staff members or Rio Blanco County Commissioners to answer questions during the BID process. Failure to comply with this requirement may result in disqualification. All questions regarding the scope of work during the bidding phase must be submitted in writing to Rio Blanco County via BidNet by the date indicated in the Invitation for Bid .

A mandatory pre-bid meeting will be held on the date provided in the Invitation for Bid.

Questions received from Bidders along with responses will be issued through addenda.

If the Bidder has a question or requests clarification that involves the Bidder's innovative or proprietary means and methods, phasing, scheduling, or other aspects of construction of the project, the Bidder shall contact Antina DiBenedetto (see above) for clarification. The County will keep the Bidder's innovation confidential and will not share this information with other Bidders.

The County will determine whether questions are innovative or proprietary in nature. If the County Project Manager determines that a question does not warrant confidentiality, the Bidder may withdraw the question. If the Bidder withdraws the question, the County will not answer the question, and the question will not be documented. If the Bidder does not withdraw the question, the question will be answered, and both the question and answer will be released in an addendum. If the County agrees that a question warrants confidentiality, the County will answer the question and keep both question and answer confidential. The County will keep a record of both question and answer in their confidential file.

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

Commencement and Completion of Work

The Contractor shall select the date that work begins for this project. The Contractor shall notify the Engineer, in writing, at least 14 days before the proposed beginning date. The date that work begins shall be subject to the County's approval. A different date may be authorized in writing by the County in the "Notice to Proceed".

The Contractor shall complete all work by May 1, 2027 per the "Notice to Proceed".

Stockpiling of materials before the beginning date is subject to the Engineer's approval. If such approval is given, stockpiled material will be paid for per Sections 109 and 626.

Revision of Section 101 Definitions and Terms

Section 101 of the Standard Specifications is revised for this project as follows:

Subsection 101.02 shall include the following:

CDOT Resident Engineer. Where reference is made in the plans and specifications to Resident Engineer, it is understood to mean the Rio Blanco County Public Works Director.

Department. Where reference is made in the plans and specifications to Department, it is understood to mean Rio Blanco County.

Engineer. Where reference is made in the plans and specifications to Engineer, it is understood to mean Rio Blanco County acting directly or through an authorized representative, who is responsible for engineering and administrative supervision of the project.

Project Engineer. Where reference is made in the plans and specifications to Project Engineer, it is understood to mean Rio Blanco County acting directly or through an authorized representative who may be a Rio Blanco County employee or an employee of a consulting engineer (consultant) under contract to Rio Blanco County as defined below:

Rio Blanco County Project Engineer. Rio Blanco County employee, assigned by Rio Blanco County Public Works Director, who is Rio Blanco County Public Works Director's duly authorized representative. Rio Blanco County Project Engineer is in direct charge of the work and is responsible for the administration and satisfactory completion of the project under contract.

Consultant Project Engineer. The consultant employee under the responsible charge of the consultant's Professional Engineer who is in direct charge of the work and is responsible for the administration and satisfactory completion of the project. The Consultant Project Engineer's duties are delegated by Rio Blanco County Public Works Director in accordance with the scope of work in the consultant's contract with Rio Blanco County. The Consultant Project Engineer is not authorized to sign or approve Contract Modification Orders.

Region Transportation Director. Where reference is made in the plans and specifications to Region Transportation Director, it is understood to mean Rio Blanco County County Manager.

State. Where reference is made in the plans and specifications to State, it is understood that Rio Blanco County may also apply.

Revision of Section 102 Project Plans and Other Data

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

Subsection 102.05 shall include the following:

The Contract Documents will be available electronically via BidNet direct at:
<https://www.bidnetdirect.com/>.

Documents listed in the Appendices are included under the “Bidding Information” section of the bid package.

After the proposals have been opened, the awarded Contractor may obtain electronic Award plans and special provisions from the Engineer. Also, if they are available for the project, the awarded Contractor may obtain LandXML alignments, LandXML terrain models, and CAD linework files.

To receive electronic files from the Engineer, the Contractor will be required to sign an Electronic Document Release Form.

Hardcopy sets of plans and other available data may be purchased on a cash sale basis from Rio Blanco County at current reproduction prices. Subcontractors and suppliers may obtain hardcopy plans and other data from the successful bidder or they may purchase copies on a cash sale basis from Rio Blanco County at current reproduction prices.

Revision of Section 104 Maintaining Traffic

Portions of the roadway that are not included in the contract work will be maintained by Rio Blanco County. Snow removal on the traveled way will be the responsibility of the County. The Contractor shall be responsible for maintaining all work that is included in the Contract, and maintaining approaches and detours, crossings, intersections, shoulders, and other features as may be necessary to accommodate traffic without direct compensation, except as provided in the Contract or described in (a) and (b) below

In subsection 104.04, delete paragraph (b) and replace with the following:

(b) *Maintaining Traffic During Suspension of Work.* During any suspension ordered by the Engineer in accordance with subsection 105.01, the Contractor shall open to traffic the portions of the project as directed. Prior to allowing traffic on the project, the Contractor shall prepare the roadbed on a paved surface so that it will safely and adequately accommodate traffic and snow clearing operations. During the suspension period, the maintenance of the final template of the roadway will be the responsibility of the County and the Contractor will be responsible for all detour surfaces. However, when the suspension is the result of a failure by the Contractor, all costs for maintenance of traffic during the suspension period shall be borne by the Contractor. When the suspension is lifted, the Contractor shall renew any work or replace materials lost or damaged on the project and shall remove, as directed, work or materials used during the suspension. The Contractor shall complete the project as though the prosecution of the work had been continuous and without interference. All additional work caused during the suspensions, for reasons beyond the Contractor's control, will be paid for as provided in subsection 104.02 when contract unit prices exist, or as extra work as provided in subsection 104.03 when no unit price exists.

Subsection 104.04 shall include the following:

Delays or impacts to the Contractor due to the requirements of this provision shall not be a basis for an extension of time or additional compensation, or both.

Any denial or revocation of prior approval for traffic-handling requests shall not be the basis for any claim for additional time or compensation.

CR-4 may be closed at the project location for the duration of the project.

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

(f) *Traffic Control Requirements for Construction Activities.* The following restrictions shall apply. In all cases, the Contractor shall schedule and coordinate this work such that there is a minimum delay to the traveling public and all requirements and restrictions are met.

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**Revision of Section 104
Maintaining Traffic**

1. Through Travel Lane Widths: The Contractor shall not close any lanes without prior written approval from the County. Contractor shall request lane closure in writing 7 days prior to planned closure.
 2. Night Work: With County approval only after Contractor request is approved by the County.
 3. Weekend Work: Construction may be allowed on weekends when approved by the County.
 4. Work Zone: Any work zone construction, as defined in the Contractor's Traffic Control Plans, shall be completed in full prior to beginning work on adjacent sections of the roadway.
 5. Parking: All vehicle or equipment parking shall be prohibited where it conflicts with safety, access or flow of traffic. The Contractor shall arrange for a parking area for employees within the approved construction staging area.
- (g) *Maintenance Work*. The Contractor shall bear all expense of the routine maintenance work required for maintaining the traveled roadway through the project until final acceptance of the project is made pursuant to subsection 105.21. Routine maintenance may include, but not limited to, pothole repair, shouldering, pavement markings and sweeping debris from roadway. Snow removal on the traveled roadway will be the responsibility of the County. The Contractor shall be responsible for all snow removal within the work zone. The Contractor shall not be allowed to place snow on the traveled roadway. County maintenance may be required to plow snow into the work area. The Contractor shall be responsible for the replacement of all traffic control devices displaced during snow removal activities.
- (h) *Costs and Time*. All costs incidental to the foregoing requirements, will not be paid for separately, but shall be included in the work. Delays or impacts to the Contractor due to the requirements of this provision shall not be a basis for an extension of time or additional compensation, or both. Any denial or revocation of a prior approval for Methods of Handling Traffic requests shall not be the basis for any claim for additional time or compensation.
1. Unauthorized delays or traffic interruptions will be considered a violation of this provision and shall be subject to price reductions as described in Revision of Section 105 - Violation of Working Time Limitation.
 2. All costs incidental to the foregoing requirements will not be paid for separately, but shall be included in the work.

Subsection 104.05 shall include the following:

- (a) *Contractors Use of Premises*. The Contractor may use Owner's property designated within the construction limits shown on the Plans for equipment and materials as long as he

Revision of Section 104 Maintaining Traffic

confines his operations to those permitted by local laws, ordinances and permits and meets the following requirements:

1. Do not unreasonably encumber site with materials or equipment;
 2. Assume full responsibility for protection and safekeeping of products stored on premises;
 3. Move any stored products which interfere with operations of the Owner;
 4. Obtain and pay for use of additional storage or work areas needed for operations;
 5. Assume full responsibility for protection and safety of public and traveling public;
 6. Restore premises to pre-construction conditions as approved by the Owner
- (b) Limits of Construction. The Contractor must maintain all of its construction activities within the County rights of way and the easements. Any agreements with outside parties that have project related activities outside of ROW/Easements will be provided to Rio Blanco County for record prior to use.
- (c) Security. The Contractor shall be responsible for the security of his facilities and equipment at all times. The Owner will not take responsibility for missing or damaged equipment, tools, or personal belongings of the Contractor.

Revision of Section 105 Materials Testing Performed by Contractor

Materials will be sampled and tested by the Contractor per the sampling and testing schedules in Table 105-1a and procedures contained in the CDOT Field Materials Manual.

Table 105-1a

Frequency Guide Schedule for Minimum Materials Testing, Sampling and Inspection

Pay Item	Type of Test	Project Verification Sampling & Testing Frequency	Procedures	
			Sampling	Testing
206 Structure Backfill	Gradation	1 per 200 cu. yds. or a fraction thereof.	CP 30	CP 31
	Atterberg Limits	1 per 200 cu. yds. or a fraction thereof.	CP 30	T 89 T 90
	In-Place Density / Percent Relative Compaction	1 per 200 cu. yds. or a fraction thereof. Minimum 2 per culvert side and 2 per wingwall.	CP 30	CP 80
	Moisture Density Curve	1 per source or soil type	CP 30	CP 23 T 99 or T 180
304 Aggregate Base Course	Gradation	1 per 2,000 tons or 1 per 1,000 cu. yds. or fraction thereof on each Class.	CP 30	CP 31
	Atterberg Limits	1 per 2,000 tons or 1 per 1,000 cu. yds. or fraction thereof on each Class.	CP 30	T 89 T 90
	In-Place Density / Percent Relative Compaction	1 per 2,000 tons or 1 per 1,000 cu. yds. or fraction thereof.	CP 30	CP 80
	Moisture Density Curve	1 per class/ source	CP 30	CP 23 T 180
	LA Abrasion	1 per class/ source	CP 30	T 96
	R-Value	1 per class/ source	CP 30	T 190
403 Hot Mix Asphalt	In-Place Density	1 per 500 tons or fraction thereof of mix		CP 44 CP 81

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Revision of Section 105
Materials Testing Performed by Contractor

		placed. Minimum of 5 tests per project.		CP 82
601 Structrural Concrete	Air Content	The 1st three batches at the beginning of a day's production, then one random test per five batches.	CP 61	T 152
	Unit Weight			T 121
	Temperature			C 1064
	Slump	1 per set of cylinders.	CP 61	T 119
	Compressive Strength	One set of cylinders per 100 cu. yds. or fraction thereof. Test 2 at 7 days and 3 at 28 days.	CP 61	C 39 T 23
CP - Colorado Procedure T/M - AASHTO Procedure C/D/G - ASTM Procedure				

Contractor shall provide testing results to the Engineer and County within 24 hours after testing.

The cost of sampling and testing will not be measured and paid for separately but shall be included in the work.

Revision of Section 105

Hot Mix Asphalt Pavement Smoothness Straightedge Testing

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

Delete Subsection 105.07 and replace it with the following:

This project shall not be subject to incentive payments for smoothness. The finished transverse and longitudinal surface elevation of the pavement shall be measured using a 10 foot straightedge. Areas to be measured will be directed by the Engineer and will include the joints to the existing pavement. The Contractor shall furnish an approved 10 foot straightedge, depth gauge and operator and shall aid the Engineer in testing the pavement surface. Areas showing high spots of more than 3/16 inch in 10 feet shall be marked and corrective work shall be required until the high spot does not exceed 3/16 inch in 10 feet.

If corrective work is required, the Contractor shall submit a written corrective work proposal, including the proposed methods and procedures, to the Engineer. The Contractor shall not commence corrective work until the proposal has been approved in writing by the Engineer.

Corrective work shall be performed using one of the following methods:

- (a) **Diamond Grinding.** Grinding shall not reduce planned pavement thickness by more than 0.5 inches. Unless otherwise directed by the Engineer, when grinding is complete the entire ground area of the final pavement surface shall be covered in accordance with Section 407 with a tack coat of CSS-1H. In the interest of safety, tack coat shall not be placed on curves. The tack coat shall be placed at 0.1 gallons of diluted emulsion per square yard. The emulsion shall be diluted with water at the rate of 50 percent water and 50 percent emulsion. Where directed by the Engineer, cores shall be taken to verify that minimum pavement thicknesses have been maintained. A minimum of one core shall be taken for every 100 cumulative lane-feet or fraction thereof, per lane of diamond grinding. Coring shall be at the Contractor's expense.
- (b) **Removal and Replacement.** If diamond grinding cannot be completed without reducing the planned pavement thickness by more than 0.5 inches, the pavement requiring corrective work shall be removed, full width of the lane and full thickness of the layer, in accordance with subsection 202.09. The removal area shall begin and end with a transverse butt joint, which shall be constructed with a transverse saw cut perpendicular to centerline. Replacement material shall be placed in sufficient quantity so the finished surface conforms to grade and smoothness requirements. Sections removed and replaced shall be at least 0.10 miles in length, unless the entire planned section is less than 0.10 miles, in which case the entire planned section shall be removed and replaced.

All testing and corrective work shall be at the Contractor's expense, including traffic control and any other items required to complete the work, except that traffic control for the initial testing shall be paid for using contract traffic control items.

Revision of Section 107

Legal Relations and Responsibility to Public

Section 107 of the Standard Specifications is revised for this project as follows:

Delete Subsection 107.11 and replace it with the following:

107.11 Use of Explosives. Blasting is not allowed on this project.

Subsection 107.12 shall include the following:

The Contractor shall protect all existing vegetation (including trees, shrubs, ground covers, and grasses) except for that vegetation, which must be removed to accommodate construction of the project.

The Contractor shall install orange plastic construction fencing as shown or designated in the plans. The Contractor shall protect existing trees outside of the limits of grading and/or landscaping unless otherwise approved by the Engineer. All other existing vegetation, except for grasses, outside the limits of grading and/or landscaping that is damaged or destroyed by construction activities shall be replaced in kind at the Contractor's expense. Replacement grass shall meet the requirements of the contract.

Before work commences and after staking the limits of construction, the Contractor shall take pictures of the site and submit to the Engineer for record. These pictures shall document the current conditions and shall include all items listed in this section including trees, shrubs, signs, walls, structures, facilities, and property.

Delete Subsection 107.19 and replace it with the following:

107.19 Furnishing Right-of-Way. The project is located within County Right-of-Way and within temporary construction easements.

The limits of equipment movement, access to the work and materials staging and storage areas shall be as shown on the drawings and supplementary exhibits or as may be discussed and mutually agreed upon at the pre-bid and pre-construction meetings. The Contractor shall restore, at his own expense, including revegetation, damaged areas, etc. any and all access routes used for construction.

Construction limits shall generally be the edge of disturbance as shown on the drawings. Contractor shall restrict work to within indicated disturbance areas and provide neat grading transitions and cleanup for areas immediately adjacent to disturbed areas. The Contractor shall restore (by regrading, removal of materials, etc.) and revegetate any such disturbed areas at his own expense. No additional payment under this contract shall be made for restoration of disturbed areas outside of the limits noted except for detours that must be reclaimed.

(a) *Staging and Storage Area.* The Contractor is responsible for obtaining a staging and storage area. Staging and storage is allowed in temporary construction easement areas obtained for this project, subject to the following conditions which are included in the

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Revision of Section 107

Legal Relations and Responsibility to Public

executed temporary construction easement agreements. Parking of Contractor, subcontractor or employee construction or personal vehicles (or construction equipment) in private business parking space is strictly prohibited. The Contractor's use of temporary construction easement areas shall be limited to the minimum duration required to complete the project improvements. The temporary construction easement areas shall not be used for stockpiles, material storage, and staging in areas that would impact access and parking on private property.

Any staging and storage within the temporary construction easement area shall include temporary fencing around the perimeter of that area. Signage will also be necessary to assist customers with detours around the closure area. The site must be cleaned, regraded and revegetated after usage. Proposed staging and storage must be indicated on the Construction Site Management Plan.

Prior to beginning work, the Contractor shall take photos or videos for documentation of existing conditions for all areas that will be part of the Contractor's operations area.

(b) Access. Access to the project site is directly from County Road 4.

Revision of Section 108 Project Schedule

Section 108 of the Standard Specifications is revised for this project as follows:

Subsection 108 shall include the following:

The Contractor's progress schedule may be a Bar/Gantt Chart schedule.

Salient features to be shown on the Contractor's progress schedule include, but are not limited to:

- | | |
|--------------------------|--------------------------------------|
| 1. Mobilization | 6. Backfill |
| 2. Bridge Removal | 7. Asphalt Paving |
| 3. Excavation | 8. Guardrail Installation |
| 4. Culvert Construction | 9. Site Restoration and Revegetation |
| 5. Wingwall Construction | 10. Demobilization |

Before work commences and after staking the limits of construction, the Contractor shall take pictures of the site and submit to the Engineer for record. These pictures shall document the current conditions and shall include all items listed in this section including trees, shrubs, signs, walls, structures, facilities, and property.

Project Meetings:

Project meetings will be held to review progress of the work, address field conditions and to resolve problems. Persons designated by the Contractor to attend and participate in the project meetings shall have authority to commit the Contractor to solutions agreed upon in the project meetings. To the maximum extent practicable, the same person or persons shall be assigned to represent the Contractor at project meetings throughout progress of the work. Subcontractors, materials suppliers, and others may be invited to attend those project meetings in which their aspects of the work are involved.

Project meetings will be held weekly during the Project, at a mutually agreeable time between Contractor, Owner and Engineer. The Contractor will facilitate the meeting and will compile and distribute minutes of each project meeting as appropriate. Other meetings may be held as required.

Meetings will be held at the Owner's office unless otherwise agreed upon by the Contractor, Owner and Engineer.

Typical agenda:

1. Review minutes of previous meeting.
2. Review progress of the work since last meeting, including status of submittals, testing results.
3. Identify problems which impede planned progress.
4. Develop corrective measures and procedures to regain planned schedule.
5. Complete other current business.

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**Revision of Section 108
Project Schedule**

6. Discuss progress anticipated until the next scheduled meeting.

No separate measurement for payment will be made for the Work under this section. Its cost shall be considered incidental to the Project.

Revision of Section 109 Ticket Collection

Section 109 of the Standard Specifications is revised for this project as follows:

In Subsection 109.01 delete the 15th paragraph and replace it with the following:

The operator of each vehicle carrying material measured and paid for by weight shall obtain a scale ticket (certificate of correct weight) from the certified weigher and deliver the ticket to the Contractor at the point of delivery of the material. The scale tickets shall be available onsite for Owner personnel to inspect.

Subsection 109.01 shall include the following paragraph between the 16th and 17th paragraphs:

Each day the Contractor shall provide to the Engineer envelopes which contain the previous day's signed tickets and the following:

- (a) On each envelope: Project number, date delivered to project, type of material, location placed, daily total and cumulative total.
- (b) One of the following:
 - 1. Two adding machine tape tabulations of the weight tickets with corresponding totals run and signed by different persons,
 - 2. One signed adding machine tape tabulation of the weight tickets that has been checked and signed by a second person,
 - 3. Signed check tape of computer scale tickets that have a cumulative total. These scale tickets must be consecutive and without voids adjustments.
- (c) A listing of any overweight loads on the envelope, including ticket numbers and amount over legal limit.
- (d) A comparison of the actual yield for each day's placement to the theoretical yield. Theoretical yield shall be based on the actual area paved, the planned thickness, and the actual density of the mixture being placed. Any variance greater than +2.5% shall be indicated on the envelope and a written explanation included.

Failure to provide this information daily may result in the Engineer suspending aggregate base or paving operations until the Contractor is in full compliance with the requirement.

Revision of Section 203 Equipment Hours

Section 203 of the Standard Specifications is revised for this project to include the following:

Description

This work consists of furnishing equipment listed below, with operator to be used for its intended purpose as directed by the Engineer.

Construction Requirements

The equipment shall be furnished and maintained in good operating condition. Equipment which, in the opinion of the Engineer, is inadequate to produce the required results shall not be used. All equipment shall be operated by experienced operators, approved apprentices or approved competent trainees.

Method of Measurement

The quantity to be measured under this item will be the number of hours that the equipment listed in the plans is actually used as approved by the Engineer. Time involved in moving onto or off the project will not be measured and paid for under this item. Time will not be paid for moving from one location on the project to another.

Payment will not be allowed in cases where the equipment or its operator is assigned to work on other pay items on the project.

Basis of Payment

The accepted quantities will be paid for at the contract unit price per hour.

Payment will be made under:

Pay Item	Pay Unit
Truck (Dump)	Hour
Combination Loader	Hour

Revision of Section 203 Potholing

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

Labor and materials required for subsurface and surface restoration following potholing activities shall not be measured and paid separately but shall be considered included in the unit cost for this item. Subsurface restoration shall include flow fill or non-shrink grout as required to backfill the void created during potholing activities.

Subsection 203.12 shall include the following:

The accepted quantities will be paid for at the contract unit price per hour.

Payment will be made under:

Pay Item
Potholing

Pay Unit
Hour

Revision of Section 203 Laborer

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

This work shall consist of furnishing a Laborer in order to complete extra work as directed by the Project Engineer in writing.

Laborer is defined as either laborer or carpenter with appropriate hand tools. Laborers that, in the opinion of the Project Engineer, are inadequate to produce the required results shall not be used. All laborers shall be experienced laborers or carpenters, approved apprentices, or approved competent trainees.

Laborer will be measured by the number of hours that they are used as ordered. Time involved in moving onto or off the project will not be measured and paid for under this item.

Time will be paid for moving from one location on the project to another, if directed, but time will not be allowed for time considered to be idle or for moves which are made for the convenience of the Contractor.

Subsection 203.12 shall include the following:

The accepted quantities will be paid for at the contract unit price per hour.

Payment will be made under:

Pay Item
Laborer

Pay Unit
Hour

Revision of Section 208 Erosion Control

Section 208 of the Standard Specifications is revised for this project as follows:

In Subsection 208.11 delete the first paragraph and replace it with the following:

The Engineer will monitor the erosion control management. When the Contractor provides acceptable erosion control management in accordance with these specifications and applicable permit requirements, partial payments for the pay item Erosion Control Management will be made as the work progresses. Failure to provide acceptable erosion control management will result in withholding of payment for this item. These partial payments will be made as follows:

Partial payments for erosion control management will be made once each month as work progresses. The monthly partial payments will be determined by pro-rating the lump sum bid amount by the number of months in the actual construction schedule.

Subsection 208.12 shall include the following:

Pay Item	Pay Unit
Erosion Control Management	Lump Sum

Revision of Section 208 Water Control and Dewatering

Section 208 of the Standard Specifications is revised for this project as follows:

Subsection 208.01 shall include the following:

This work consists of labor, methods, materials, and equipment associated with controlling and dewatering groundwater, channel flows, irrigation flows, and storm flows during construction.

The Contractor shall be responsible for the project and shall take such precautions as may be necessary to construct the project in a dry condition and provide for channel flows, drainage, dewatering, and control of all surface and subsurface water and shall erect any necessary temporary structures or other facilities at their expense. Work area within drainage channels/ditches is subject to intermittent and potentially extensive runoff conditions that may cause localized flooding and/or soil erosion without proper protection.

Subsection 208.03 shall include the following:

(a) General

Any dewatering of groundwater for construction purposes will require a Colorado Dewatering permit, which shall be obtained by the Contractor in accordance with Section 107.25. If the site disturbance is equal to or greater than one (1) acre, a Colorado Stormwater Permit is required, and shall be obtained by the Contractor prior to the start of construction. Costs for preparing all permit applications and any fees are considered part of the work.

The existing irrigation ditch is used throughout the non-growing season to deliver water for livestock operations and flow must be maintained through the duration of the project. The approximate flow rate in the ditch is 15 cubic feet per second.

The Contractor shall develop and submit a Water Control and Dewatering Plan for approval by Engineer a minimum of 14 days prior to beginning ground disturbing activities. The plan shall show the phasing of the construction, including all methods and devices (indicated in each phase) used to control water and dewatering of excavations. In addition, all temporary control devices shall be shown on these plans.

For all work, the Contractor shall provide suitable equipment and labor to remove water and shall keep the excavations dewatered so that construction can be carried on under dewatered conditions. Water control shall be accomplished such that no damage is done to adjacent banks or structures. The Contractor is responsible for familiarizing themselves with all site conditions that may affect the work including, but not limited to, surface water, level of groundwater, and the time of year the work is to be done. All excavations made as part of dewatering operations shall be backfilled with the same type

Revision of Section 208 Water Control and Dewatering

material as was removed and compacted in accordance with Section 203 and Revisions, except where replacement by other materials is specified.

(b) Surface Water Control:

Surface water control generally falls into the following categories:

1. Normal range of flows in irrigation facilities and drainageways are expected during the construction period,
2. Constant and intermittent flows along the ditches at each work site, and
3. Local surface runoff and inflows not conveyed by pipelines or culverts.

The Contractor shall coordinate, evaluate, design, construct, and maintain temporary water control conveyance systems. These systems shall not worsen flooding, alter major flow paths, degrade flow characteristics during construction or cause erosion or flooding adjacent structures. The Contractor is responsible to ensure that the flood risk is not increased as a result of their operations.

The Contractor shall be responsible for diverting the quantity of ditch flow around or through the construction area so that the excavation for pipes, riprap, and other project elements remain free of surface water for the time it takes to install these items, and the time required for curing of any grout and concrete. The Contractor is cautioned that the minimum quantity of water to be diverted is for erosion control and construction purposes and not for general protection of the construction site. It shall be the Contractor's responsibility to determine the quantity of water which shall be diverted to protect his work from damage caused by stormwater. All damages and rework related to inadequate or failed water control measures shall be paid by the Contractor.

The Contractor shall, at all times, maintain a flow channel or route for drainageways and irrigation facilities and other surface flows at the construction sites. Temporary structures such as pipes, berms, sandbags, pumps, etc. shall be permitted for the control of creek flow, as long as such measures are not a major obstruction to flood flows, do not worsen flooding, or alter historic flow routes.

(c) Groundwater Control:

The Contractor shall install adequate measures to maintain the level of groundwater a minimum of 2 feet below the foundation subgrade elevation and maintain sufficient bearing capacity for structures, pipelines, earthwork, and rockwork. Such measures may include, but are not limited to, installation of perimeter subdrains, pumping from drilled holes, or by pumping from sumps excavated below the subgrade elevation. The foundation bearing surfaces are to be kept dewatered and stable until the structures or other types of work are complete and backfilled. Disturbance of foundation subgrade by Contractor operations shall not be considered as originally unsuitable foundation subgrade and shall be repaired at Contractor's expense.

Subsection 208.04 shall include the following:

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**Revision of Section 208
Water Control and Dewatering**

Water Control and Dewatering: No separate measurement or payment will be made for temporary water control and dewatering devices. All water control and dewatering devices required as part of the Contractor's Water Control and Dewatering Plan shall be included in the pay item "Water Control".

No payment will be made for temporary erosion control devices for which there is not a pay item in the bid schedule. All additional temporary erosion control devices required as part of the Contractor's Water Control and Dewatering plan shall be included in the pay item "Water Control."

Payment will be made under:

Pay Item
Water Control

Pay Unit
Lump Sum

Revision of Section 304 Aggregate Base Course

Sections 304 and 703 of the Standard Specifications is revised for this project as follows:

Subsection 304.02 shall include the following:

Materials for the base course shall be Aggregate Base Course (Class 6) as shown in subsection 703.03.

The Aggregate Base Course (Class 6) must meet the gradation requirements and have a resistance value of at least 78 when tested by the Hveem Stabilometer method.

The Contractor shall sample the proposed aggregate base course in the presence of the Engineer or his designee. Sampling methods shall be in accordance with the current edition of the Field Materials Manual.

Revision of Sections 401 and 403 Hot Mix Asphalt

Sections 401 and 403 of the Standard Specifications is revised for this project as follows:

Delete Subsection 401.02(a) Mix Design and replace it with the following:

For the Hot Mix Asphalt (HMA) to be used on this project, the Contractor shall submit to the Engineer an approved CDOT mix design (Form 43) issued and verified on a CDOT project within the last 36 months. The asphalt cement binder grade shall be PG 58-28. The HMA mix design shall conform to the gradation requirements for Hot Mix Asphalt (Grading SX) with lab compaction, N(des), of 75.

A minimum of one percent hydrated lime by mass (weight) of the combined aggregate shall be added to the aggregate for all hot mix asphalt. An approved anti-stripping additive can be used in the mix in lieu of hydrated lime.

The HMA may contain reclaimed asphalt pavement per the aforementioned pre-approved CDOT mix design.

Subsection 403.02 shall include the following:

Acceptance samples shall be taken by the Contractor in accordance with either Method B or C of CP 41, as determined by the Engineer. Sampling shall be coordinated with and witnessed by the Engineer or the Engineer's representative. Samples shall be taken at random locations determined by the Engineer or the Engineer's representative.

Subsection 403.03 shall include the following:

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 it with the following:

Hot Mix Asphalt will be measured by the ton for work completed in accordance with the project plans and specifications and accepted by the Engineer. No payment will be made for widths exceeding plan widths completed for the convenience of the Contractor or to match the width of the Contractor's equipment. The Engineer may direct additional width and the Contractor shall complete the work as directed. The tonnage shall be the weight used in the accepted pavement. Deduction will not be made for the weight of asphalt cement in the mixture.

Subsection 403.05 shall include the following:

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

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**Revision of Sections 401 and 403
Hot Mix Asphalt**

Payment will be made under:

Pay Item	Pay Unit
Hot Mix Asphalt (Grading SX)(75)(PG 58-28)	Ton

Aggregate, asphalt recycling agent, asphalt cement, warm mix asphalt and/or other 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. Any change to the submitted mix design optimum asphalt cement content to establish production targets on the Form 43 will not be measured and paid for separately but shall be included in the work. No additional compensation will be considered or paid for any additional asphalt cement, plant modifications, or additional personnel required to produce the HMA as a result in a change to the mix design asphalt cement content.

Historically, typical asphalt cement increases reflected on the Form 43 are up to 0.5 percent. However, the Contractor's bidding the work should anticipate the AC increases typical of their mixes and factor it into their unit prices.

When the pay item does not include the PG binder grade, asphalt cement will be measured and paid for per Section 411. Asphalt cement used in Hot Mix Asphalt (Patching) will not be measured and paid for separately but shall be included in the work.

Saw cutting, excavation, preparation, and tack coat of areas to be patched will not be measured and paid for separately but shall be included in the work.

Revision of Section 630 Traffic Control

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

The Engineer will monitor the traffic control services. When the Contractor provides acceptable traffic control services in accordance with these specifications and applicable MUTCD requirements, partial payments for the pay item Traffic Control (Special) will be made as the work progresses. Failure to provide acceptable traffic control services will result in withholding of payment for this item. These partial payments will be made as follows:

Partial payments for traffic control services will be made once each month as work progresses. The monthly partial payments will be determined by pro-rating the lump sum bid amount by the number of months in the actual construction schedule.

Delete Subsection 630.16 and replace it with the following:

Payment for Traffic Control (Special) will be full compensation for all traffic control devices, temporary concrete barriers, flagging, inspections, traffic control supervision, preparation of Methods of Handling Traffic, traffic control management, meetings, and all other labor and materials required to complete the item.

Payment will be made under:

Pay Item

Traffic Control (Special) L S

Pay Unit

Lump Sum

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 in order to comply with federal, state, or local codes, may be paid for after receipt of an itemized statement endorsed by the Contractor.

<u>Force Account Item</u>	<u>Estimated Quantity</u>	<u>Amount</u>
F/A Minor Contract Revisions	F.A.	\$50,000*

Force Account Descriptions

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.

On this project there will be no payment to the Contractor for F/A Quality Incentive, F/A Roadway Smoothness Incentive, or F/A Asphalt Pavement Incentive. The labor, materials, equipment and all other associated items shall be considered incidental to each of the pay items associated with that work.

Traffic Control Plan - General

For purposes of preparing a Transportation Management Plan as outlined in subsection 630.10, this project is considered Non-significant.

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

The components of the TCP for this project are included in the following:

- (1) Subsection 104.04 and Section 630 of the Standard Specifications.
- (2) Standard Plan S-630-1, Traffic Controls for Highway Construction, Case 20 and Standard Plan S-630-2.
- (3) Detour Details.

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.

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

During the construction of this project, CR-4 may be closed to through traffic. All accesses adjacent to the project shall be maintained.

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 and Owner 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.

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Utilities

Known utilities within the limits of this project are:

Phone	Lumen	Alfred Perez	(970) 589-4536
Electric	White River Electric Assoc.	Brett Berthelson	(970) 878-8681
Irrigation	Highland Ditch Company	Ben Rogers	(970) 220-2026

UTILITY INFORMATION ON THE PLANS IS NOT GUARANTEED AND MAY VARY FROM THAT SHOWN. THE CONTRACTOR SHALL THOROUGHLY INVESTIGATE ALL UTILITY LOCATIONS PRIOR TO BEGINNING WORK.

The work described in these plans and specifications requires coordination between the Contractor and the utility companies per subsection 105.11 in conducting their respective operations as necessary to complete the utility work with minimum delay to the project.

The work listed below shall be performed by the Contractor per the plans and specifications, and as directed by the Engineer. The Contractor shall keep each utility company advised of any work being done to its facility, so that the utility company can coordinate its inspections for final acceptance of the work with the Engineer.

FOR: Lumen

Contractor is responsible for notifying Lumen a minimum of 14 days before the start of construction.

Contractor is responsible for protecting in place the temporary relocated line in place or coordinating temporary relocation during construction as directed by Lumen.

Contractor is responsible for installing a new conduit over the new box culvert for Lumen and clearly identifying the buried ends of the conduit.

FOR: White River Electric Association

Contractor is responsible for taking precautions to avoid damage to overhead electric lines in vicinity of the project.

FOR: Highland Ditch Company

Contractor is responsible for conveying required ditch water flows through the limits of the project for the duration of the project.

Contractor is responsible for protecting existing headgates and other ditch facilities in the vicinity of the project.

The work listed below will be performed by the utility owners or their agents:

2 Utilities

BY: Lumen

Prior to the beginning of construction, Lumen is responsible for temporary relocation during construction and final installation of the buried phone line.

BY: Highland Ditch Company

Highland Ditch Company is responsible for coordinating with the Contractor the Ditch Company's required flow in the ditch during construction.

General:

The Contractor shall comply with Article 1.5 of Title 9, CRS ("Excavation Requirements") when excavation or grading is planned in the area of underground utility facilities. The Contractor shall notify all affected utilities at least two (2) business days, not including the day of notification, before commencing such operations. The Contractor shall contact the Utility Notification Center of Colorado (UNCC) at (8-1-1) or 1-800-922-1987 to have locations of UNCC registered lines marked by member companies. All other underground facilities shall be located by contacting the respective company. Utility service laterals shall also be located before beginning excavating or grading.

The location of utility facilities as shown on the plan and profile 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.