



**COLORADO**  
**Department of Transportation**  
Region 2

North Program  
1480 Quail Lake Loop, Suite A  
Colorado Springs, CO 80906

**I-25 & SH 21 POWERS INTERCHANGE WATER QUALITY  
CONSTRUCTION ADMINISTRATION  
SCOPE OF WORK**

Scope Date: October 3, 2019  
Estimated Construction Start Date: December 1, 2019  
Region 2

PROJECT NUMBER: PWQ M240-172  
PROJECT CODE: 22794  
CMS ID NUMBER: TBD  
PROJECT LOCATION: I-25 & SH 21 Powers Interchange  
CONTRACT TYPE: Project Specific, Cost Plus Fixed Fee  
CONTRACT SUBJECT: Construction Management, Inspection and Testing Services

The Contract Administrator for this Contract will be:

Daniel Hunt PE II  
Resident Engineer - Region 2  
1480 Quail Lake Loop, Suite A  
Colorado Springs, CO 80906  
Office: (719) 227-3231  
Email: DANIEL.HUNT@STATE.CO.US

Active Day to Day administration and monitoring of this contract will be delegated to the following CDOT employee:

P Wayne Pittman  
Project Engineer I - Region 2  
1480 Quail Lake Loop, Suite A  
Colorado Springs, CO 80906  
Cell: (719) 659-7705  
Email: PATRICK.PITTMAN@STATE.CO.US

**General Requirements**

This Scope of Work (SOW) has been carefully reviewed by the Department and reflects a plan of approach based on the known goals. The Consultant's analysis of the project goals, its evaluation of the work elements, and its formulation of the work plan, coupled with its understanding of and sensitivity to the key issues may produce new approaches or modifications to the project's work elements. Therefore, the Final Scope of Work for the project may change in some details to incorporate the Consultant's input. This work is located in Region 2 of the Colorado Department of Transportation.

The positions described herein are anticipated needs. The Department reserves the right to not utilize any of the positions listed if at the time of construction, if the Department has available resources to staff the project from within.



**Definitions**

*Resident Engineer* - The CDOT Resident Engineer is responsible to the Region Program Engineer for the quality and successful completion of a transportation project. The Resident Engineer authorizes interim and final payments and all changes to the contracts for all Consultants and Contractors.

*CDOT Project Engineer* - The CDOT employee assigned by the Resident Engineer to be the Chief Engineer's duly authorized representative. The CDOT Project Engineer is in direct charge of the project work and is responsible for the administration and satisfactory completion of the project under Contract.

*Consultant* - The individual, firm, or corporation under contract by this agreement to perform construction services as outlined below.

*Consultant Assistant Project Engineer* - The assistant to the CDOT Project Engineer. Responsible for assisting the CDOT Project Engineer and assisting in overseeing the Consultant Inspectors and Testers. Ensures Sitemanager and LIMS duties are complete for monthly estimates.

*Senior Consultant Inspector* - The Consultant's Individual in responsible charge of Consultant services performed as described in this Contract. The Consultant Senior Inspector shall report directly to the CDOT Project Engineer and/or the Consultant Assistant Project Engineer.

*Consultant Inspector* - Consultant employee who performs inspections of the Contractors work under the direction of the Senior Consultant Inspector and the Project Engineer.

*Consultant Materials Testing Technicians* - Consultant employee who performs material testing of the Contractors materials under the direction of the Senior Consultant Inspector and the Project Engineer.

*Consultant Scheduling Specialist* - Consultant employee who performs reviews of the Contractor's schedule and method statements under the direction of the CDOT Project Engineer and/or the Assistant Project Engineer.

*Contractor* - The individual, firm, or corporation under contract with CDOT to construct the facility.

*Copper Ridge Metro District (CRMD)* - The taxing authority formed to fund the I-25 & SH 21 Powers Interchange and the portion of SH 21 Powers to a signalized intersection at Voyager Parkway. The Metro District has managed the design for the City of Colorado, hiring consultants and pursuing administrative clearances. The construction contract is also being managed by the Metro District on behalf of the City. While the Metro District has been the agency conducting most primary tasks, this is a local agency project with Colorado Springs as the lead responsible agency. CDOT's IGAs and critical coordination is with the City, although day-to-day project concerns will in most cases be dealt with directly by CDOT and the Metro District. The WQ project will be held to the work timeframes given by the Metro District contractor.

**Initial Project Meeting**

The Consultant shall meet with CDOT project personnel to coordinate and schedule the required work prior to active construction. The Consultant shall complete all work in accordance with the approved schedule or as approved by the CDOT Project Engineer.



**Project Description and Project Location**

The Project will build the water quality features for the new I-25 & SH 21/Powers Interchange in Colorado Springs south of I-25 and Northgate Interchange.

The purpose of the Project is to build the required Water Quality ponds and collection system for the interchange project funded and managed by the Copper Ridge Metro District for City of Colorado Springs.

The drainage work will be performed concurrently with the Interchange project and will be under the overall schedule of the Interchange Project.

**Work Duration**

The time for the work described in this scope of work covers the period from Notice to Proceed to December 31, 2021. For portions of the project, night work may be required but it is anticipated that this will be minimal as the majority of the work can be performed out of traffic. Work will also be required during the day, on weekends, holidays, and/or on a split-shift basis. Work weeks may be in excess of or less than the standard 40-hour week. The number and types of personnel may be adjusted up or down to meet project workload. The Consultant shall meet with the CDOT Project Engineer if it is anticipated that Consultant services may not be required for a period exceeding one week. A procedure shall be agreed upon at the Initial Project meeting to resolve this issue.

Anticipated Construction: January 2020 to December 2021

During construction, CDOT anticipates utilizing approximately:

- 1 Part Time Professional Engineer (Assistant Project Engineer duties)
- 1 Full Time Senior Consultant Inspector
- 1 Part Time Consultant Inspector
- 1 Part Time Consultant Scheduling Specialist (16 hours/month)
- 1 Full Time Consultant Materials Testing Technician (estimated 16 months total over duration of project; not utilized during slower times) (Certifications Required - Asphalt, Concrete, and Soils) (Tester shall also perform LIMS duties)

Ideal team members will demonstrate the ability to work in teams, referencing successful roadway projects (CDOT or similar). The ability for one person to share more than one of the above roles efficiently and cost effectively may be considered a benefit to the project.

**Conditions Applicable to all Consultant Personnel: Overtime / Travel Pay / Per Diem**

Overtime Hours

- Not allowable per State Fiscal Rules. Labor Hours will be billed to CDOT at the same rate as regular, non-overtime hours.

Travel time will be paid as follows:

- Travel time will not be paid for this project. Paid time will be the time spent on the project or working on tasks directly related to the project.

Per Diem & Lodging

- Per diem and lodging will not be approved for payment on this project.

**Authorization to Proceed**

Work shall not commence until the written Notice to Proceed is received by the consultant, and shall be completed in the time specified.



**Routine Billing & Reporting**

The consultant shall provide the following on a regular basis:

- Monthly billing reports in formats suitable to the CDOT Project Engineer for all contract activities performed by Consultant personnel authorized to perform work on the project.
- Periodic reports and billings required by CDOT Procedural Directive 400.2.

The consultant shall bear all costs related to delay of construction when the Consultant fails to provide qualified personnel when required. The Consultant's monthly payments may be withheld for that portion of the work for which the consultant personnel fail to provide accurate and timely reporting.

**Status of Contract**

The consultant shall monitor the fiscal status of the contract, and advise the CDOT Project Engineer of any potential need to supplement their contract. Failure to monitor contract status and provide timely notification may result in discontinuation of the Consultant's services. The invoice shall include monthly status reports per the consultant guidelines and shall include budget information.

**Project Standards**

All construction inspection shall be in accordance with the Colorado Department of Transportation's Construction Manual, Field Materials Manual, Standard Specifications for Road & Bridge Construction, Project Standard Provisions, Project Special Provisions, and the plans and specifications in use when the project is advertised. All Consultant construction inspection activities shall be as authorized by the CDOT Project Engineer. For the purposes of this document, construction inspection shall be known as "the work" and references to "the specifications" shall include all applicable CDOT Standard Specifications for Road and Bridge Construction as amended by Project Standard Provisions, Project Special Provisions, and project plans and specifications.

**General Work Description**

**The Consultant Assistant Project Engineer** shall be responsible for the management of the consultant team. The Assistant Project Engineer shall be familiar with the separate I-25/Powers interchange project and scope to assist in analyzing the project schedule and identifying potential conflicts with the WQ project. Ensures SiteManager and LIMS are up-to-to date for monthly pay estimates and schedules. The Assistant Project Engineer should be capable of completing all duties of the Senior Inspector and Inspector if needed, and knowledgeable enough of the Schedule Expert and Material Tester duties to be able to fully and successfully manage their activities.

**The Senior Consultant Inspector** shall provide support to the CDOT project staff through assignment of personnel to inspection activities if requested by the CDOT Project Engineer. The Inspector shall be trained and qualified in accordance with CDOT's Construction Inspection Qualification Plan. This project anticipates down times of up to 8 months over the 2-years duration. During these down times, the Senior Inspector may be the only required staff, completing daily diaries and other documentation fully and without the assistance of the other staff.

The Senior Consultant Inspector must have experience and expertise with inspection activities related to Road and Bridge Construction, with significant size projects which include major and minor structures, and work in multiple locations is also highly desirable.



The Senior Inspector will be a key day-to-day staff member and will be responsible and capable of the full range of inspection activities themselves. Inspection responsibilities include but are not limited to:

- Assist the CDOT Project Engineer and Assistant Project Engineer in all areas as needed.
- Prepare inspection documentation for development of progress payments for the contractor in accordance with prescribed procedures;
- Submit daily diary at the end of the working day;
- Submit payment-documentation reports (Form 266's) at the end of the work week;
- Participate in weekly progress meetings with contractor, subcontractors, utilities and other interested parties;
- Secure project documentation from the contractor;
- Anticipate project problems and propose solutions to CDOT Project Engineer & Assistant Project Engineer;
- Maintain accurate notes reflecting actual construction details to be used in preparation of as-constructed plans;
- Perform initial, follow-up, and final inspections of work in progress including interim and final measurements;
- Notify contractors and CDOT Project Engineer and Assistant Project Engineer of non-compliance with the contract plans and specifications;
- Perform special tests, investigations, or monitoring to fulfill the intent of the CDOT inspection program;
- Aid in the preparation of correspondence to the contractor, CDOT Staff, local agencies, etc.;
- Provide liaison and communication to contractor field crews;
- Prepare final "As-Constructed" plans upon project completion;
- Deliver material samples to designated laboratories or locations;
- Perform miscellaneous project-related duties as requested by the CDOT Project Engineer & Consultant Assistant Project Engineer.

The Consultant Inspector shall provide support to the CDOT project staff through conduct of inspection activities if requested by the CDOT Project Engineer. The Inspector shall be trained and qualified in accordance with CDOT's Construction Inspection Qualification Plan.

Inspection responsibilities include but are not limited to:

- Prepare inspection documentation for development of progress payments for the contractor in accordance with prescribed procedures;
- Submit daily diary at the end of the working day;
- Submit payment-documentation reports (Form 266's) at the end of the work week;
- Participate in weekly progress meetings with contractor, subcontractors, utilities and other interested parties as needed;
- Secure project documentation from the contractor;
- Anticipate project problems and propose solutions to CDOT Project Engineer & Assistant Project Engineer;
- Maintain accurate notes reflecting actual construction details to be used in preparation of as-constructed plans;
- Perform initial, follow-up, and final inspections of work in progress including interim and final measurements;
- Notify contractors and CDOT Project Engineer and Assistant Project Engineer of non-compliance with the contract plans and specifications;
- Perform special tests, investigations, or monitoring to fulfill the intent of the CDOT inspection program;
- Aid in the preparation of correspondence to the contractor, CDOT Staff, local agencies, etc.;
- Provide liaison and communication to contractor field crews;
- Assist in preparation of final "As-Constructed" plans upon project completion;
- Deliver material samples to designated laboratories or locations;
- Perform miscellaneous project-related duties as requested by the CDOT Project Engineer & Consultant Assistant Project Engineer.



**Qualifications, Labor, Materials, Vehicles & Equipment for Assistant Project Engineer, Senior Inspector and Inspector**

The Consultant shall provide these personnel with the following:

- A suitable vehicle equipped with at least one (1) flashing, oscillating, or rotating amber beacon that shall be visible a minimum of five hundred (500) feet in normal sunlight.
- A cellular smartphone.
- A state-of-the-art computer with networking capability sufficient for accessing internet email through a project-supplied internet-service provider. Each computer shall be loaded with MS Office software (2016 version or later), including MS Word and MS Excel at a minimum. Computers shall be capable of running current CDOT software, including Site Manager, LIMS etc.
- Miscellaneous equipment (calculator, office supplies, safety equipment, etc.) required to perform the work (ASTM Certified Work Boots, ANSI Certified Hardhat (Z89.1 stamp and be High Visibility), Safety Glasses (Z87 stamp on the glasses/goggles) and Approved Safety Vest. (Meeting or exceeding ISEA for Class 3), including all applicable manuals.
- Copper Ridge Metro District will provide a field-office space.

Personnel qualifications, staffing level, and number and types of vehicles shall be subject to the approval of the CDOT Project Engineer. The Consultant shall assign personnel for the duration of the Contract unless otherwise approved by the CDOT Project Engineer. Employees required to operate vehicles must possess and maintain a valid State of Colorado driver's license. All personnel and staff assigned to a project shall be competent in road and bridge construction and be thoroughly familiar with CDOT specifications, manuals, forms, and documentation requirements including SiteManager. The level of qualification provided shall be as requested and approved by the CDOT Project Engineer, but will meet the following minimums:

1. Assistant Project Engineer - a minimum of seven (7) years of experience in highway construction with a minimum of three (3) years of project engineer/project manager experience overseeing and conducting construction management of highway construction projects.
2. Senior Consultant Inspector - a minimum of five (5) years of experience in highway construction inspection.
3. Consultant Inspector - a minimum of two (2) years of experience in highway construction inspection.

These personnel and staff shall either have a *National Institute for Certification in Engineering Technology (NICET)* Certification Level III in Highway Construction or have an Engineer-In-Training (EIT) (Professional Engineer license in the case of the Assistant Project Engineer) certification from the State of Colorado, unless otherwise approved by CDOT.

A copy of work experience and proof of Certification and/or License shall be provided with the proposal. Personnel provided by the Consultant who do not meet all of the specified requirements, or who fail to perform their work in an acceptable manner, shall be removed from the project when determined and directed by the CDOT Project Engineer.

**Documentation for Assistant Project Engineer, Senior Inspector and Inspector**

Each of the Consultant's personnel shall maintain a daily diary for each day they perform work on the project. They shall use CDOT's automated Form 103a - Project Diary unless otherwise directed by the CDOT Project Engineer. The contents of the diary shall be brief and accurate statements of progress and conditions encountered during the prosecution of the work, and sketches as needed for clarification and documentation. Editorial comments are not to be incorporated in the diaries or on any written correspondence applicable to the project. A copy of the daily diary shall be available to the CDOT Project Engineer at the end of each workday and a copy shall be filed in the project records within one working day of its date.



The Consultant CPM Schedule Expert shall be responsible for analyzing CRMD's contractors schedule and the WQ contractor's schedule in accordance with the requirements of the construction contract on CDOT's behalf. The Contractor's progress schedule along with the weekly three-week "look ahead" schedule will be reviewed on a weekly basis. In addition, the Consultant CPM Schedule Expert will provide scheduling support to the project and the CDOT PE as needed. At a minimum the Consultant CPM Schedule Expert will be expected to:

- Review the Contractor's accepted as-planned schedule, schedule updates and method statements for compliance with contract requirements.
- Attend work session with contractor to develop a Baseline Project schedule if needed
- Provide initial schedule review including durations, logic, sequencing, and methods statements. Provide written comments and recommendation to Project Engineer.
- Review complete project schedule submitted by contractor and provide written comments and recommendation to Project Engineer.
- Re-review complete project baseline schedule. Provide written comments and recommendation to Project Engineer.
- Review proposed activities, durations, and logic resulting from changes for the purposes of establishing a new baseline schedule.
- Review monthly project schedule updates.
- Assemble and review as-built data and review as-built schedules.
- Provide ongoing schedule review and evaluation support through project completion.

**Qualifications:**

The Consultant CPM Schedule Expert shall be permanently assigned to the project for the duration of the project and shall have the following qualifications:

- Proficiency in latest versions of Primavera.
- Consultant CPM Schedule Expert - ten (10) years of overall experience in highway construction, and a minimum of three Major DOT projects performed in accordance with 108.03 and a certified Planning & Scheduling Professional (AACE International PSP Certification).

**Additional Software & Equipment Required:**

The following equipment shall be furnished along with the Consultant CPM Schedule Expert in sufficient quantity and in good working order:

- A cellular smartphone.
- A computer with networking capability sufficient for accessing internet email through a project-supplied internet-service provider. This computer shall be loaded with MS Office software (2016 version or later), including MS Word, MS Excel and MS Project at a minimum, the latest version of Primavera Professional Project Management Software. This computer shall be connected or networked to the Consultant-supplied main project printer/scanner described above, or shall be provided with a separate stand-alone printer.



**Consultant Materials Testing Technician Requirements: Project Standards**

All sampling, testing, inspection, and documentation shall be in accordance with the Colorado Department of Transportation (CDOT) Construction Manual, Field Materials Manual, CDOT M&S Standards, and applicable Project and Standard Special Provisions in the construction project contract and the applicable CDOT Standard Specifications for Road and Bridge Construction. The applicable CDOT Manual shall be the one currently in use when the construction project is advertised.

If the required method is not described in the CDOT Field Materials Manual, the required work shall be completed in accordance with AASHTO Standard Specifications for Transportation Materials and Methods of Sampling and Testing (as revised and supplemented).

One Consultant Materials Testing Technician shall be full time in LIMS and shall be thoroughly familiar with CDOT Forms and documentation requirements and have had LIMS training in Site Manager with the ability to enter all materials documentation into Site Manager LIMS program.

Proposed work procedures shall be coordinated with the CDOT Project Engineer prior to the start of work.

**General Work Description**

The Consultant MTT (Materials Testing Technician) shall sample, test, and document all materials incorporated into the project. This includes materials delivered to the project that are listed in the Summary of Approximate Quantities or referred to in the Plans and Specifications. The number of tests required shall be in accordance with the Schedule in the Field Materials Manual. Additional quantities may be added by Contract Modification Order, or plan approximate quantities may be increased or decreased. The MTT, the Consultant Project Manager, and CDOT's Project Engineer will review project quantities on a weekly basis to ensure that sufficient tests have been performed for all material placed to date. The MTT will set-up and maintain all materials books. The consultant shall also provide any other project-related services requested by the CDOT Project Engineer or CDOT Project Engineer.

Testing of materials that are specifically designated to be pre-inspected or pre-tested by this will remain the responsibility of CDOT. The MTT shall document and transport samples of any and all materials to the CDOT Region or Central Laboratory that are required to be tested by CDOT, regardless of pre-inspection or pre-testing responsibilities. The items and test frequencies of CDOT tested materials shall be in accordance with the column titled "Central Laboratory" in the Schedule in the Field Materials Manual.

The Consultant shall follow the requirements of CP-16 to meet, coordinate and schedule the required work with the Project Engineer, Resident Engineer, and Assistant Project Engineer. The consultant shall complete all work in accordance with their approved schedule. The consultant materials testing evaluation form shall be completed by the CDOT Project Engineer or Resident Engineer and head tester, and distributed as described in CP-16. The CDOT Project Engineer shall forward a copy of the completed Pre-Testing Meeting Agenda for Consultant Materials Testing to the Region Materials Engineer.

In addition to the tasks identified in **Consultant Materials Testing Technician Requirements**, the MTT shall assist the CDOT Project Engineer in performance of construction inspection activities and other project-related activities, as directed by the CDOT Project Engineer or Assistant Project Engineer, when they are not required to perform the MTT related activities. Inspection responsibilities may include but are not limited to those identified in the **Consultant Inspector** requirements above.





**Labor, Materials, Vehicles & Equipment for the Consultant Materials Testing Technician**

The Consultant shall furnish the Consultant Materials Testing Technician with the following:

- A suitable vehicle equipped with at least one (1) flashing, oscillating, or rotating amber beacon that shall be visible a minimum of five hundred (500) feet in normal sunlight.
- A cellular Smartphone.
- A state-of-the-art computer with networking capability sufficient for accessing internet email through a project-supplied internet-service provider. This computer shall be loaded with MS Office software (2016 version or later), including MS Word and MS Excel at a minimum. This computer shall be capable of running current CDOT software, including Asphalt '03, Voids '03, Site Manager, LIMs etc. This computer shall be connected or networked to the Consultant-supplied main project printer/scanner described above, or shall be provided with a separate stand-alone printer.
- Miscellaneous equipment (calculator, office supplies, safety equipment, etc.) required to perform the work (ASTM Certified Work Boots, ANSI Certified Hardhat (Z89.1 stamp and be High Visibility), Safety Glasses (Z87 stamp on the glasses/goggles) and Approved Safety Vest. (Meeting or exceeding ISEA for Class 3) including all applicable manuals.
- The project will provide a field laboratory and any required traffic control.

The following equipment shall be furnished along with the MTT for each project in sufficient quantity and in good working order (with current calibration) to ensure accurate performance of all work required in a timely manner. Such equipment and supplies shall remain the property of the consultant.

- Nuclear Moisture/Density Gauge;
- Concrete air meter, slump cone, thermometers, and other concrete testing equipment;
- Sieves for aggregates and soil gradations;
- Electronic scales;
- Small tools;
- Proctor equipment for soil curves and one point tests;
- Atterburg and Sand Equivalent equipment;
- Sample hauling containers, and drying containers, and equipment;
- Miscellaneous equipment for performing the required soils, asphalt and concrete tests.

Personnel qualifications, staffing level, and number and types of vehicles shall be subject to the approval of the CDOT Project Engineer. The MTT shall be thoroughly familiar with CDOT specification, manuals, forms, and documentation requirements.

The MTT shall be permanently assigned to a project for the duration of the project and shall have the following qualifications:

1. A degree in Engineering or related Science(s) from a four-year curriculum school or a *National Institute for Certification in Engineering Technology (NICET)* Level II Certification in Construction Materials Testing and Inspection for the types of work being performed, e.g. aggregates, asphalt, concrete, and soils or five (5) years of field testing experience with CDOT construction projects.
2. The MTT performing concrete tests shall be certified by *The American Concrete Institute (ACI)*.
3. The MTT performing hot bituminous pavement tests shall be A&B certified by *The Colorado Asphalt Technician Certification Program (LabCAT)*.
4. WAQTC, Soils Certification
5. In addition, the Consultant MTT must be certified in the appropriate classes of CDOT's Inspector Qualification Program.

A copy of work experience and proof of Certification, Degree, and/or License shall be provided to the CDOT Project Engineer before work begins. Personnel provided by the consultant who do not meet all of the specified requirements, or who fail to perform their work in an acceptable manner, shall be removed from the project when determined and directed by the CDOT Project Engineer or CDOT Project Engineer.



**Documentation**

The MTT shall maintain a daily diary for each day the MTT performs work on the project. The MTT shall use CDOT's automated Form 103a - Project Diary, or other form directed by the CDOT Project Engineer. The contents of the diary shall be brief and accurate statements of progress and conditions encountered during the prosecution of the work, and sketches as needed for clarification and documentation. Editorial comments are not to be incorporated in the diaries or on any written correspondence applicable to the project. A copy of the daily diary shall be available to the CDOT Project Engineer at the end of each workday, including hours worked by the Contractor and hours worked by the MTT.

LIMS CAR reports will be submitted to Project Engineer weekly, prior to weekly meeting.

Test results and sample submittals transmitted to CDOT's Region or Central Laboratory shall be recorded on appropriate CDOT Forms. The MTT may use CDOT worksheets or worksheets approved by the CDOT Project Engineer. CDOT Forms and worksheets are available through the CDOT Project Engineer.

The MTT shall furnish the CDOT Project Engineer with original copies of all worksheets and test results on a daily basis. The MTT shall also keep the CDOT Form 626 up to date at all times and provide copies of this form to the CDOT Project Engineer within 12 hours.

The CDOT Project Engineer shall be informed immediately of any non-specification material. At the discretion of the CDOT Project Engineer, the MTT may also be required to provide the CDOT Form 626 to the contractor within 12 hours for any non-specification material.

The MTT shall provide all correspondence and applicable CDOT forms to the CDOT Project Engineer or his authorized representative for review and signature.

**Assurance Sampling and Testing**

The MTT shall coordinate the schedule of the Independent Assurance Tests (IAT) for the project with the Region Materials Section in accordance with the CDOT Form 379. Advance notice of 48 hours is required for proper coordination.

**Submittal of Final Documentation**

Final documentation shall be submitted to the CDOT Project Engineer within 30 working days after completion of all work. A completed CDOT Form 250 shall be submitted to the CDOT Project Engineer 10 days after the consultant has been notified of final quantities. Failure to submit final documentation as required will result in withholding of consultant payments.



**Additional Construction Inspection and Materials Testing Requirements:**

In addition to the qualifications, requirements set forth above, the following certifications will also be required:

Class/Certification	Consultant Inspector	Consultant Materials Testing Technician (MTT)
Basic Highway Math	X*	X*
Basic Construction Surveying	X*	X*
Basic Highway Plan Reading	X*	X*
Storm water Management and Erosion Control	X	
CCA Traffic Control Supervisor	X	
LabCAT (Levels)	Level I	A & B & I
Excavation & Embankment	X	X
WAQTC		X
ACI Field Testing Tech I		X

\* Not required if the Consultant is a licensed Professional Engineer or EIT

