

STATE OF COLORADO

DEPARTMENT OF TRANSPORTATION

Region 6
2000 S. Holly Street
Denver, Colorado 80222



CONSTRUCTION ADMINISTRATION SCOPE OF WORK

Estimated Start Date: August 2011

Region 6

Project:

I-225/Colfax-17th Pl. Phases 3 and 4 (17718)

The Contract Administrator for this Contract will be:

Rick Erjavec, Resident Engineer

Region 6

Office: 303 757-9350

Mobile: 303 916-1009

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

George Warda, Construction Project Engineer

R-6 Project Engineer

Mobile: 30-916-2562

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General Scope of Work

The scope of work is for an Assistant Project Manager, Inspector, Material Tester, Structural Engineer, and Project Schedule / Claim Analyst for I-225/Colfax-17th PI Phases 3 and 4, STU 2254-082 (17718) from MP 9.8 to MP 10.37.

CDOT will need: (1) Assistant Project Manager (1) Colorado Licensed Professional Structural Engineer for safety critical work, (1) Project Schedule/Claims Analyst, (1) Inspector and (1) Materials Testing Technicians for the duration of the project.

The Assistant Project Manager will be responsible for the day to day responsibilities and duties as assigned by the Project Engineer. These responsibilities and duties include documentation and inspection of construction activities, supervision and documentation of time and material work, and preparation of daily diaries documenting contractor activities and relevant observations. Inspection of materials and methods of construction to verify compliance with CDOT and contract specifications, preparing monthly pay estimates, reviewing and approving Methods of Handling Traffic (MHT's), monitoring the project schedule and financial status, reviewing certified payrolls, resolving material and traffic control issues, and coordination/contact with local entities and business with respect to construction activities.

The Colorado licensed Professional Structural Engineer will be responsible for the review of any structural plans, demolition and erection plans for compliance with State and Federal Standards, Specifications and Practices including ensuring the performance of Safety Critical Work is in full compliance of the CDOT Specifications.

The Project Schedule/Claims Analyst will perform the tasks as outlined in Section 1.0 "Construction Management Support" of this scope of work.

The Inspector will be responsible for day to day activities as assigned by the Project Engineer. These responsibilities may include documentation and inspection of construction activities, supervision and documentation of time and material work, and preparation of daily diaries documenting contractor activities and relevant observations.

The Material Tester will be responsible for materials sampling, testing, documentation and project inspection as required and as directed by the Project Engineer.

Definitions

CDOT 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 Contracts for all Consultants and Contractors.

CDOT Construction Project Engineer – The CDOT Construction Project Engineer is responsible to the Resident Engineer for the quality and successful completion of a construction project.

Consultant - The firm or corporation providing personnel under this agreement to perform construction services as outlined herein.

Consultant Professional Engineer - The Consultant employee in responsible charge of Consultant services performed as described in this Contract. The Consultant Professional Engineer administers the Consultant contract.

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Consultant Inspector or Materials Testing Technician (MTT) - Consultant employee who performs construction materials-testing services, construction inspection, and other project-related services under the responsible charge of the Consultant Project Engineer, and at the direction of the CDOT Resident Engineer.

Contractor - The individual, firm, or corporation contracting with CDOT to construct a transportation project.

CDOT Region Materials Engineer – The CDOT Region Materials Engineer (RME) assists the Resident Engineer and Project Engineer on this project with materials related issues including concrete, asphalt and steel.

CDOT Assistant Materials Engineer – The CDOT Assistant Materials Engineer is responsible to the Region Materials Engineer.

Work Duration

The time period for the work described in this scope of work covers the period from approximately August 1, 2011 to January 31, 2013. Work may be required on weekends and holidays.

Authorization to Proceed

Work shall not commence until 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:

- 1) Monthly billing formats, suitable to the Project Engineer, for all contract activities performed by the Inspection Consultant.
- 2) Periodic reports and billings required by CDOT Procedural Directive 400.2.
- 3) Weekly time cards for consultant personnel. The Project Engineer, prior to billing, must sign these time cards.

Status of Contract

The Consultant shall monitor the fiscal status of the contract, and advise the CDOT Resident Engineer of any potential for supplementing their contract or negotiating an additional task order. Failure to monitor contract status and provide timely notification may result in discontinuation of the Consultant's services on the project until a supplemental agreement can be effected.

Project Standards

All documentation shall be in accordance with the latest versions of the Colorado Department of Transportation's Construction Manual, Field Materials Manual, CDOT Laboratory Manual of Test Procedures, Colorado Department of Transportation Inspector's Checklist, Standard Specifications for Road and Bridge Construction, the Supplemental Specifications, applicable M & S standards, and the plans and specifications currently in use when the construction project is advertised or revised under advertisement.

References to "the specifications" shall include all applicable CDOT Standard Specifications for Road and Bridge Construction including Supplemental Specifications, Project Standard Revisions and Project Special Provisions, and project plans and specifications.

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

Labor, Materials, Vehicles & Equipment

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The Consultant shall furnish all personnel, equipment and transportation required to perform the work. Consultant personnel shall have appropriate vehicles (equipped with flashing amber beacon), cell phone, computers, and miscellaneous equipment (calculator, office and lab supplies, safety equipment, etc.) required for performing the work.

Each consultant staff shall be supplied with a state of the art computer w/modem (phone, ISDN or cable as required), a writeable CD, a color printer (that can be networked for all staff or black/white for other staff) and loaded with the most current version of MS Office software (& Site Manager or QA/QC program if applicable).

The Consultant shall have a digital camera available to staff at all times and document the project accordingly submitting CD's with relevant photos to the Resident Engineer on a regular basis.

Personnel qualifications, staffing level, and number and types of vehicles shall be subject to the approval of the Resident Engineer. The Consultant shall assign personnel for the duration of the project unless otherwise approved by the Resident Engineer.

The following equipment shall be furnished by the consultant tester 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:

- Nuclear Asphalt Content Gauge
- Nuclear Moisture-Density Gauge
- Concrete air meter, slump cone, and other concrete testing equipment.
- Sieves for aggregates and soil gradations
- Electronic scales
- Asphalt & A/C sample containers and small tools
- Proctor equipment for soil curves and one point tests
- Atterburg, Rice value, and Sand Equivalent equipment
- Sample drying equipment
- Concrete cylinder molds which meet AASHTO requirements except that paper molds shall not be used, and plastic molds shall not be reused
- Miscellaneous equipment for performing the required soils, asphalt and concrete tests

Work Description

CONSTRUCTION ADMINISTRATION SERVICES

Task 1.0 Construction Management Support

Provide CDOT Resident Engineer and CDOT Project Engineer with the following construction management and inspection support:

- 1.1 Contractor's Project Schedules and Method Statements Analysis:
The Consultant will, as required:

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- 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 Baseline Project schedule {Ref. 108.03(c)(2)}.
- Initial schedule review including durations, logic, sequencing, and methods statements {Ref. 108.03(c)(1)} Provide written comments and recommendation to Project Engineer.
- Review complete project schedule submitted by contractor {Ref. 108.03(c)(2)}. 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 {Ref. 108.03(c)(3)}
- Assemble and review as-built data and develop a current as-built schedule.
- Perform a schedule delay analysis and determine the amount of Contractor and/or CDOT excusable delays.
- Prepare schedule reports and exhibits to assist in the evaluation of schedule delays and remaining as-planned work.
- Provide ongoing schedule review and evaluation support through project completion.

1.2 Review of Construction for Conformance with Plans and Specifications: Monitor the Contractor's construction activities with respect to the contract documents and relevant schedule submittals governing the performance of the work. Resolve construction problems and/or recommend action for their resolution, as they relate to changed field conditions or conflicts in the contract documents.

1.3 Process Shop/Working Drawings Submitted by the Contractor: Submittals, design drawings, shop drawings, materials, and test procedures received from the Contractor will be forwarded to appropriate CDOT design personnel for review and approval. Approved drawings will be returned to the Contractor, as well as a copy retained for use during the remainder of the project.

1.4 Daily Quality Control Inspection & Quantity Control: Perform daily quality control inspections of construction activities to document activities performed and assessment of conformance with the contract documents. Inspection items may include but are not limited to excavation, backfill, and compaction operations; concrete placement; paving; drainage; utilities; structures; signing and striping; landscaping; and traffic control installations. Quantities of work elements constructed will be measured and recorded to support the preparation and processing of progress pay estimates to the Contractor. Quantities will be documented in an interim quantity book for tracking of quantities constructed as compared to the original design quantities on the project. Quantities of work will be agreed upon with the Contractor and then reflected in monthly progress pay estimates prepared by the Consultant's staff. Assist CDOT in resolving disputes in quantities with the Contractor prior to the preparation of the pay estimate.

1.5 Materials Testing: Direct, coordinate, supervise, monitor, manage and administer all materials sampling and testing to ensure that the required sampling, materials testing and documentation is

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obtained in a timely manner and maintained in accordance with the Materials Manual and Contract requirements to verify the quality of the work performed by the construction contractor.

- 1.6 Review of Contractor's Method of Handling Traffic: Review and approve the Contractor's Method(s) of Handling Traffic (MHT) submittals. During construction, monitor the Contractor's MHT for implementation of traffic signing, barriers, and other traffic control measures in accordance with the approved plan.
- 1.7 Project Documentation: Maintain project submittal register, track project correspondence, check daily diaries, prepare inspectors progress reports, and complete appropriate CDOT paperwork and forms.
- 1.8 Contaminated Material Notification: Monitor construction operations and notify CDOT immediately when contaminated material is encountered or developed on the project. When such material is identified, procedures developed by the Contractor to mitigate the problem will be reviewed and a recommendation provided.
- 1.9 Check Surveying: Provide quality control surveying and quantity verification as needed. (If the Contract includes a Construction Surveying pay item, then the Contractor is responsible for performing all surveying required to properly layout and constructs the work covered under the Contract.)

1.10 Dispute or Claim Study:

The Consultant will, as required:

- Analyze the work performed and determine whether any changes, extra work and/or delays were the result of differing site conditions, suspension of work, significant changes in the character of work, plan errors, and/or omissions of the Department.
- Assess the liability associated with any changes, extra work and /or delays in order to determine responsibility for the additional costs alleged by the Contractor.
- Evaluate the extent of the Department's liability for any delays and/or changes which might have occurred and recommend to CDOT what course of action would be commensurate with this liability.
- Prepare an oral recommendation and a written report of findings and recommendations to CDOT.

Task 2.0 Post Construction Support

- 2.1 Completion, Inspection and Punch List: Participate in the final inspection with the Contractor, CDOT Project Engineer, Resident Engineer and CDOT Maintenance representative(s) upon substantial completion. The result of the inspection is the development of a punch list of remaining and/or outstanding work to be performed by the Contractor prior to final project acceptance.
- 2.2 As-Constructed Drawings: Complete as-constructed drawings of work completed by the Contractor including final pay quantities.
- 2.3 Completion Inspection and Close-Out: Following the completion of all punch list items by the Contractor, participate in the final inspection with representatives from the Contractor and CDOT, to confirm the completion of all work. The result of this inspection will constitute final project acceptance.

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- 2.4 Preparation of Final Pay Estimate: Determine final quantities with appropriate supporting documentation and checks and prepare final pay estimate.

Task 3.0 Project Management

- 3.1 Change Orders: Assist the Project Engineer in the preparation of project change orders and minor contract revisions.
- 3.2 Certified Payroll: Review certified payroll documentation provided by the Contractor and conduct random interviews of Contractor employees to determine if the Contractor is in conformance with CDOT EEO/Labor Compliance policies.

Deliverables generated during the project will include the following and will be submitted throughout the duration of the project, or at specific dates commensurate with the deliverable's intent:

- Monthly Progress Reports.
- Project correspondence generated and received during the project.
- Project Materials Testing Records including all required test reports and certifications.
- Monthly progress pay estimates and updated project schedule.
- Construction management records generated including minutes of meetings, project diary, inspection reports, quantity records, contract modification orders, schedules, and other documentation as prepared during the course of construction in accordance with CDOT requirements.
- Complete "as-constructed" plans.

INSPECTION SERVICES

Inspection work shall conform to the CDOT Construction Manual, the Inspector Checklist and SiteManager requirements. Each of the Consultant's field inspectors shall maintain a daily diary for each day the Consultant performs work on the project. They shall use CDOT's Form 103 or automated 103a - Project Diary, or other form approved by the Resident Engineer. SiteManager documentation procedures will apply. The contents of the diary shall be brief and accurate statements of progress and conditions encountered during the prosecution of the work. 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 become a part of the permanent project record.

Inspection responsibilities may include but are not limited to the following:

1. Preparing and transmitting updates of construction activities to the CDOT's Public Information Officer.
2. Periodic reports and billings required by CDOT Procedural Directive 400.2.
3. Monitoring and documenting contractor payroll compliance.
4. Participation in weekly progress meetings with contractor, subs, utilities and other interested parties.
5. Securing project documentation from the contractor.
6. Anticipating project problems and directing solutions to the CDOT Project Engineer.
7. Reviewing drawings and data submitted by the construction contractor and suppliers for conformance with the specifications. Inform and obtain concurrence as needed from the CDOT Project Engineer and keep relevant documentation for project records.
8. Maintaining accurate notes reflecting actual construction details to be used in preparation of as-constructed plans.

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9. Communicating with adjacent landowners as required toward resolving issues that arise due to construction.
10. Review and approve the Contractor's Method of Handling Traffic if delegated by the CDOT Project Engineer.
11. Monitoring compliance with and taking appropriate action to preserve safety on the project for all workers and traveling public in accordance with Method of Handling Traffic (MHT) and the Manual of Uniform Traffic Control Devices (MUTCD).
12. Initial, follow up, and final inspections of work in progress including interim and final measurements and coordination with Consultant Tester to ensure materials testing requirements are met.
13. Promptly notifying contractors and Project Engineer of non-compliance with the contract plans and specifications.
14. Performance of special tests, investigations, or monitoring which are required to fulfill the intent of the CDOT inspection program.
15. Preparation of inspection documentation for development of progress payments for the contractor in accordance with prescribed procedures.
16. Submittal of standard documentation reports no later than the following working day.
17. Preparation of routine correspondence to the contractor, CDOT Staff, local agencies, etc.
18. Providing liaison and communication to contractor field crews.
19. Assist the CDOT Project Engineer with preparation of final "As Constructed" plans.
20. Assist in preparing punch lists of uncompleted work, non-conformance reports, and deficiency notices.
21. Assist in preparing responses to contractors' and suppliers' requests for information, submittals, change notices, claims, and correspondence.

MATERIALS TESTING

The consultant shall sample, test, inspect and document all materials generated and produced on the project. This includes: materials delivered to the project that are listed in the Summary of Approximate Quantities in accordance with the SCHEDULE in the Field Materials Manual; materials that may be added to the project through contract modification; and altered material quantities whether increased or decreased. The CDOT Project Engineer and Consultant's Material Tester shall review project quantities on a monthly basis to ensure that sufficient tests have been performed for the material placed to date. The consultant shall also provide any other services as requested by the Resident Engineer or CDOT Project Manager.

Testing of materials that are specifically designated to be pre-inspected or pre-tested by this or any other Department of Transportation shall remain the responsibility of CDOT. The consultant shall document and transport samples of any and all materials to the CDOT Central Laboratory that are required to be tested by CDOT regardless of pre-inspection or pre-testing responsibilities. The items and test frequencies of Department tested materials shall be in accordance with the column titled "Central Laboratory" in the

SCHEDULE. The EXCEPTION shall be when the specific project task order is set-up to randomly sample and test highway striping paint. The consultant shall have the ability to sample and submit paint samples to a certified lab designated testing.

The consultant shall sample, test and inspect those specified materials utilized in construction. Other services may be requested in writing by the Resident Engineer or CDOT Project Engineer. Test results and inspection observations shall be documented by the consultant and approved by the CDOT Project Engineer in accordance with the references cited above in Project Standards. The materials tester will be responsible for materials sampling, testing, and documentation as directed by the CDOT Project Engineer to supplement the project testing staff during peak periods. The materials tester needs to be certified to perform the project

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sampling and testing in accordance with CDOT requirements. These requirements typically include the following certifications: CAPA levels A&B, ACI, and WAQTC, and nuclear gauge operation.

Initial Project Meeting

The Consultants, Project Engineer, Resident Engineer and Program Engineer shall meet to coordinate and schedule the required work. The Consultant shall complete all work in accordance with the approved schedule.

Documentation

The Consultant shall provide all correspondence and applicable CDOT forms to the CDOT Project Engineer for review and signature.

The Consultant personnel shall be capable of preparing CMO's, justifications for CMO's and MCR's; price justification (force account analysis); review of MHT's, construction quantity calculations required for this type of project; inspection reports; daily diaries; site manager; review of 205's; and other construction administration documentation required per CDOT construction manual.

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 approved by the Resident Engineer. The contents of the diary shall be brief and accurate statements of progress and conditions encountered during the prosecution of the work. 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 given to the CDOT Project Engineer within one working day of its date.

Personnel Qualifications

Personnel qualifications and staffing levels for the project shall be subject to the approval of Resident Engineer. CDOT will reserve the right to review the resume and interview any new proposed staff to the project. The Consultant shall be certified as defined by the requirements set.

The Consultant shall have sufficient education, training, and experience to meet the minimum qualification below, and be experienced and competent in all aspects of highway construction within the scope of this project.

Prequalification

The Consultant shall include a Colorado Registered Professional Structural Engineer to be responsible for the review and full compliance of all structural work and all Safety Critical work as requested by the Project Engineer. This individual shall have a minimum of 10 years of transportation construction experience. The Consultant will also need a comprehensive knowledge of State and Federal Standards and Specifications, CDOT manuals, guidelines, policies and procedures.

Consultant shall include at least one individual that has the minimum of 20 years of transportation experience, which includes at least five years of experience in Construction Project Schedule Analysis using Primavera and Microsoft Project and Dispute Resolution. Qualified personnel shall assist in approving the baseline schedule and provide comments to the CDOT Project Engineer, then provide support on a monthly basis by reviewing progress schedule updates.

The Consultant shall also have strong experience in critical path scheduling, public relations, bridge construction, utilities, environmental work and compliance, and retaining walls. The Consultant will be expected to work in Site Manager and be thoroughly familiar with CDOT forms and documentation requirements. The Contract Administrator will approve all Consultant personnel. Requests for changes in Consultant personnel must be submitted in writing by the Consultant and approved in writing by the Contract Administrator.

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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 Resident Engineer and/or Project Engineer.

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CONSTRUCTION MANAGEMENT REQUIREMENTS

CHECKLIST

The following checklist shall be used to establish the Construction Management responsibilities of the individual parties for this project.

The checklist shall be prepared by placing an “✓” under the responsible party opposite each of the tasks listed below.

When a task does not apply to the project, not-applicable “NA” shall be placed under both parties.

Tasks that will be performed by CDOT Headquarters staff will be so indicated.

The Region in accordance with established policies and procedures shall determine who will perform all other tasks that are the responsibility of CDOT.

DESCRIPTION OF TASK	CONSULTANT	CDOT
1. Conduct the Pre-Bid conference, answer all questions, and maintain a log of all decisions given and/or made.		✓
2. Show project work site to prospective bidders, answer all questions regarding plans and specifications, and maintain a log of all decisions given and/or made.		✓
3. Coordinate all construction contract activities with appropriate stakeholders.		✓
4. Distribute <u>ten</u> award sets of plans and specifications to the CDOT Resident Engineer.		✓
5. Issue Notice to Proceed to the Contractor.		✓
6. Schedule, conduct and prepare minutes of all project meetings as follows:		
a. Job Showing		✓
b. Pre-construction Conference	✓	✓
c. Partnering Workshop (if required)	✓	✓
d. Weekly Project Meetings	✓	✓
e. Pre-Survey Conference (if required):		
(1) Construction Staking	✓	✓
(2) Survey Documentation	✓	✓
f. Bridge Construction Communications	✓	✓
g. Structural Concrete Pre-pour Conference	✓	✓
h. Concrete Pavement Prepaving Conference	✓	✓
i. HBP Prepaving Conference		
j. Contractor Weekly Safety “Tool Box” Meeting	✓	✓

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DESCRIPTION OF TASK	CONSULTANT	CDOT
8. Public Relations:		
a. Prepare and coordinate with CDOT and others to publish and distribute public notices of all planned construction activities and schedules to the media, property owners, local residents, tenants, and other appropriate stakeholders affected by the project.	✓	✓
b. Perform public relation tasks with appropriate individuals as requested by CDOT.	✓	✓
c. Explain construction and work with adjacent property owners to resolve issues that arise during construction.	✓	✓
9. Review, comment, accept and/or approve as appropriate the following submittals: <i>Note: This list is not all-inclusive and other submittals may require action as directed by CDOT.</i>		
a. CDOT Form # 205 – Sublet Permit Application after Form #713 has been checked by the Region EEO Administrative Program Specialist.	✓	✓
b. Method of Handling Traffic	✓	✓
c. Progress Schedules	✓	✓
d. Method Statements	✓	✓
e. Shop drawings per 105.02	✓	✓
f. Working drawings per 105.02	✓	✓
g. Other submittals per 105.02	✓	✓
h. All EEO, Labor compliance requirements	✓	✓
i. Other submittals as directed	✓	✓
10. Construction inspection including calculations, measurements, and documentation of interim and final pay quantities as directed by the Project Engineer.	✓	✓
11. Perform required EEO/AA/DBE/OJT or labor compliance tasks as requested as follows:		
a. Conduct Contractor/Subcontractor reviews to ensure conformance with the Equal Employment Opportunity (EEO)/Affirmative Action (AA)/DBE/OJT requirements contained in the contract. (Standard Special Provisions, Project Special Provisions and FHWA Form 1273.)	✓	✓

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DESCRIPTION OF TASK	CONSULTANT	CDOT
b. Complete and submit to the CDOT Resident Engineer, the required number of CDOT Form 280 – Equal Employment Opportunity and Labor Compliance Verification.	✓	✓
c. Monitor DBE participation to ensure compliance with the “commercially useful function” requirements.	✓	✓
d. Complete and submit to the CDOT Region EEO Administrative Program Specialist, the applicable number CDOT Form #200 – OJT Training Questionnaire, when project utilizes OJT’s.	✓	✓
e. Check certified payrolls to verify contractor/subcontractor compliance with contract requirements. Project personnel trained in payroll checking shall complete the checking. (Contact the Region EEO Administrative Program Specialist for training requirements.)	✓	✓
f. Coordinate submittals by Contractor and all subcontractors of FHWA Form 1391 (Highway Construction Contractor’s Annual EEO Report) to the CDOT Region EEO Administrative Program Specialist.	✓	✓
12. Materials:		
a. CDOT Form # 250 – Materials Documentation Record:	✓	✓
(1) Fill out and distribute CDOT Form # 250 before the Contractor commences work.	✓	✓
(2) Complete Form # 250 after work is completed; distribute per instructions in CDOT Materials Manual.	✓	✓
b. Approve changes to the Typical Section (requires a CMO).	✓	✓
c. Development, checking and design mix approvals:	✓	✓
(1) Concrete	✓	✓
(2) Hot Bituminous Pavement	✓	✓
d. Acceptance of manufactured products	✓	✓
e. Inspecting fabrication of structural steel and pre-cast concrete structural components.	✓	✓
f. Inspecting fabrication of bearing devices	✓	✓
g. Laboratory check testing.	✓	✓

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DESCRIPTION OF TASK	CONSULTANT	CDOT
h. Acceptance testing.	✓	✓
i. Independent assurance testing - develop, complete and distribute CDOT Form # 379 – Project Independent Assurance Sampling Schedule.	✓	✓
j. Approve sources of materials.	✓	✓
13. Maintain time counts	✓	✓
14. Maintain project files for documentation; provide duplicate documentation to CDOT Resident Engineer when requested.	✓	✓
15. Obtain, accept, and approve all required material certifications.	✓	✓
16. Approve shop drawings	✓	✓
17. Perform Traffic Control Inspections	✓	✓
18. Approve traffic signal equipment	✓	✓
19. Construction surveying – quality control checking and quantity verification as needed.	✓	✓
20. ROW Monumentation – quality control checking		✓
21. Prepare monthly estimates of the Contractor’s work performed, materials placed or stockpiled materials on hand in accordance with the Contract. <i>Note: Only a CDOT Resident Engineer can approve and sign vouchers for interim and final Contractor pay estimates.</i>	✓	✓
22. Review interim and final billings for Utility relocation work. <i>Note: Only a CDOT Resident Engineer can approve and sign vouchers for interim and final Utility Company billings.</i>	✓	✓
23. Prepare CDOT Form # 90 [Contract Modification Order (CMO)] and/or # 90 [Minor Contract Revision (MCR)] including letter of explanation for CMO/MCR <i>Note: The Consultant may negotiate costs for extra work but only CDOT can approve costs. Only the CDOT Resident Engineer can approve and sign CMO/MCR’s for modifying CDOT’s Contract or paying the Contractor.</i>	✓	✓
23. Monitor project financial status and submit monthly in a format acceptable to the Region, such as CDOT Form # 65a – Project Financial Status Report.	✓	✓

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DESCRIPTION OF TASK	CONSULTANT	CDOT
25. Prepare and submit monthly progress reports to the Region Program Engineer: CDOT Form # 110a – Status of Active Construction Projects and CDOT Form # 517a – Status of Construction Project Finals	✓	✓
26. Prepare appropriate responses to Contractor, subcontractor or supplier requests for information, submittals, disputes, claims, change notices, or other correspondence.	✓	✓
27. Prepare response for Project Engineer status of claim & Claim Status Report Form	✓	✓
28. Prepare complete claim record	✓	✓
29. Give oral or written presentation to Region Director for claims.	✓	✓
30. Give presentation for Claim Review Board or AAA Arbitration board.	✓	✓
31. Conduct routine, random, project reviews to ensure the project is being administered in accordance with the terms of the construction contract.	✓	✓
32. Conduct final project inspection of completed or unacceptable work and prepare punch list for final acceptance.	✓	✓
33. Prepare and submit CDOT Form # 1212a – Final Acceptance Report		✓
34. Prepare final project acceptance letter and distribute per procedures in the CDOT Construction Manual.		✓
35. Advertise for final settlement.		✓
36. Maintain accurate as constructed notes and prepare and distribute final as-constructed plans per procedures in the CDOT Construction Manual.	✓	✓
37. Check final quantities, final plans, and prepare the final pay estimate. <i>Note: Only CDOT can sign final pay estimate sheets and voucher.</i>	✓	✓
38. Check material records.	✓	✓
39. Submit final materials certifications	✓	✓

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DESCRIPTION OF TASK	CONSULTANT	CDOT
40. Obtain and review CDOT Form # 17 – Contractor DBE Payment Certification from the Contractor and submit to the Region.	✓	✓
41. Obtain and review FHWA Form PR 47 (Statement of Materials and Labor Used) from the Contractor, check and submit to the Region.	✓	✓
42. Complete and submit CDOT Form # 950 for project closure.		✓
43. Submit original of all project records to the CDOT Resident Engineer. (CDOT will retain project records for six years from the date of project closure.)		✓