

## CHECKLIST TO DESIGNATE AREAS OF EVALUATION FOR REQUESTS FOR PROPOSAL (RFP)

MDOT PROJECT MANAGER			JOB NUMBER (JN)	CONTROL SECTION (CS)
DESCRIPTION IF NO JN/CS				
<b>MDOT PROJECT MANAGER:</b> Check all items to be included in RFP.  WHITE = REQUIRED GRAY SHADING = OPTIONAL			<b>CONSULTANT:</b> Provide only checked items below in proposal.	
Check the appropriate Tier in the box below				
TIER I (\$25,000-\$99,999)	TIER II (\$100,000-\$250,000)	TIER III (>\$250,000)		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Understanding of Service	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Innovations</i>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Safety Program</i>	
N/A	<input type="checkbox"/>	<input type="checkbox"/>	Organization Chart	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Qualifications of Team	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Past Performance	
Not required as part of official RFP	Not required as part of official RFP	<input type="checkbox"/>	Quality Assurance/Quality Control	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Location:</b> The percentage of work performed in Michigan will be used for all selections unless the project is for on-site inspection or survey activities, then location should be scored using the distance from the consultant office to the on-site inspection or survey activity.	
N/A	N/A	<input type="checkbox"/>	Presentation	
N/A	N/A	<input type="checkbox"/>	Technical Proposal (if Presentation is required)	
3 pages (MDOT forms not counted) <b>(No Resumes)</b>	7 pages (MDOT forms not counted)	19 pages (MDOT forms not counted)	Total maximum pages for RFP <b>not including key personnel resumes</b>	

The Michigan Department of Transportation (MDOT) is seeking professional services for the project contained in the attached scope of services.

If your firm is interested in providing services, please indicate your interest by submitting a Proposal, Proposal/Bid Sheet or Bid Sheet as indicated below. The documents must be submitted in accordance with the latest "Consultant/Vendor Selection Guidelines for Service Contracts" and "Guideline for Completing a Low Bid Sheet(s)", if a low bid is involved as part of the selection process. **Referenced Guidelines are available on MDOT's website under Doing Business > Vendor/Consultant Services > Vendor/Consultant Selections.**

## RFP SPECIFIC INFORMATION

BUREAU OF HIGHWAYS

BUREAU OF TRANSPORTATION PLANNING \*\*

OTHER

THE SERVICE WAS POSTED ON THE ANTICIPATED QUARTERLY REQUESTS FOR PROPOSALS

NO

YES

DATED \_\_\_\_\_ THROUGH \_\_\_\_\_

**Prequalified Services** – See page \_\_\_ of the attached Scope of Services for required Prequalification Classifications.

**Non-Prequalified Services** - If selected, the vendor must make sure that current financial information, including labor rates, overhead computations, and financial statements, if overhead is not audited, is on file with MDOT's Office of Commission Audits. This information must be on file for the prime vendor and all sub vendors so that the contract will not be delayed.

**Qualifications Based Selection** – Use Consultant/Vendor Selection Guidelines

**For all Qualifications Based Selections**, the section team will review the information submitted and will select the firm considered most qualified to perform the services based on the proposals. The selected vendor will be contacted to confirm capacity. Upon confirmation, that firm will be asked to prepare a priced proposal. Negotiations will be conducted with the firm selected.

**\*\*For RFP's that originate in Bureau of Transportation Planning only**, a priced proposal must be submitted at the same time as, but separate from, the proposal. Submit directly to the Contract Administrator/Selection Specialist, Bureau of Transportation Planning (see address list, page 2). The priced proposal must be submitted in a sealed envelope, clearly marked "**PRICE PROPOSAL.**" The vendor's name and return address **MUST** be on the front of the envelope. The priced proposal will only be opened for the highest scoring proposal. Unopened priced proposals will be returned to the unselected vendor(s). Failure to comply with this procedure may result in your priced proposal being opened erroneously by the mail room.

**For a cost plus fixed fee contract**, the selected vendor must have a cost accounting system to support a cost plus fixed fee contract. This type of system has a job-order cost accounting system for the recording and accumulation of costs incurred under its contracts. Each project is assigned a job number so that costs may be segregated and accumulated in the vendor's job-order accounting system.

**Qualifications Review / Low Bid** - Use Consultant/Vendor Selection Guidelines. See Bid Sheet Instructions for additional information.

For Qualification Review/Low Bid selections, the selection team will review the proposals submitted and post the date of the bid opening on the MDOT website. The notification will be posted at least two business days prior to the bid opening. Only bids from vendors that meet proposal requirements will be opened. The vendor with the lowest bid will be selected. The selected vendor may be contacted to confirm capacity.

**Best Value** - Use Consultant/Vendor Selection Guidelines. See Bid Sheet Instructions below for additional information. The bid amount is a component of the total proposal score, not the determining factor of the selection.

**Low Bid** (no qualifications review required - no proposal required.) See Bid Sheet Instructions below for additional instructions.

## BID SHEET INSTRUCTIONS

A bid sheet(s) must be submitted in accordance with the "Guideline for Completing a Low Bid Sheet(s)" (available on MDOT's website). The Bid Sheet(s) is located at the end of the Scope of Services. Submit bid sheet(s) separate from the proposal, to the address indicated below. The bid sheet(s) must be submitted in a sealed manila envelope, clearly marked "**SEALED BID.**" The vendor's name and return address **MUST** be on the front of the envelope. Failure to comply with this procedure may result in your bid being opened erroneously by the mail room and the bid being rejected from consideration.

**PROPOSAL SUBMITTAL INFORMATION**

REQUIRED NUMBER OF COPIES FOR PROJECT MANAGER	PROPOSAL/BID DUE DATE	TIME DUE
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**PROPOSAL AND BID SHEET MAILING ADDRESSES**

Mail the multiple proposal bundle to the MDOT Project Manager or Other indicated below.

MDOT Project Manager

MDOT Other

Mail one additional stapled copy of the proposal to the Lansing Office indicated below.

<b>Lansing Regular Mail</b>	<b>OR</b>	<b>Lansing Overnight Mail</b>
Secretary, Contract Services Div - B470 Michigan Department of Transportation PO Box 30050 Lansing, MI 48909		Secretary, Contract Services Div - B470 Michigan Department of Transportation 425 W. Ottawa Lansing, MI 48933
Contract Administrator/Selection Specialist Bureau of Transportation Planning B470 Michigan Department of Transportation PO Box 30050 Lansing, MI 48909		Contract Administrator/Selection Specialist Bureau of Transportation Planning B470 Michigan Department of Transportation 425 W. Ottawa Lansing, MI 48933

**GENERAL INFORMATION**

Any questions relative to the scope of services must be submitted by e-mail to the MDOT Project Manager. Questions must be received by the Project Manager at least four (4) working days prior to the due date and time specified above. All questions and answers will be placed on the MDOT website as soon as possible after receipt of the questions, and at least three (3) days prior to the RFP due date deadline. The names of vendors submitting questions will not be disclosed.

MDOT is an equal opportunity employer and MDOT DBE firms are encouraged to apply. The participating DBE firm, as currently certified by MDOT's Office of Equal Opportunity, shall be listed in the Proposal

**MDOT FORMS REQUIRED AS PART OF PROPOSAL SUBMISSION**

- 5100D** – Request for Proposal Cover Sheet
- 5100G** – Certification of Availability of Key Personnel
- 5100I** – Conflict of Interest Statement

**(These forms are not included in the proposal maximum page count.)**

**MICHIGAN DEPARTMENT OF TRANSPORTATION**

**SCOPE OF SERVICE  
FOR  
CONSTRUCTION ENGINEERING SERVICES**

Full Construction Engineering

**Revised on 5/11/11 for Due Date of 5/23/11**

**CONTROL SECTION(S):** 03041

**JOB NUMBER(S):** 107575A

**PROJECT LOCATION:**

M-222 near Weeks Street in the City of Allegan, Allegan County.

**DESCRIPTION OF WORK:**

Full Construction Engineering Services required for slope stabilization project potentially utilizing auger case pile, sheet pile walls, soil nailing, gabion baskets, or other applicable method. Consultant should be familiar with slope stabilization methods. Project requires:

- Project Administration
- Inspection
- Staking
- Quality Assurance Testing and Reporting
- Reporting
- Measurement, Computation, and Documentation of Quantities
- Record Keeping
- Finalizing all Project Documentation

**ANTICIPATED SERVICE START DATE:** 06/01/2011

**ANTICIPATED SERVICE COMPLETION DATE:** 12/31/2011

**PRIMARY PREQUALIFICATION CLASSIFICATION(S):**

Bridge Construction Engineering  
Geotechnical Engineering Services

**SECONDARY PREQUALIFICATION CLASSIFICATION(S)**

Density Inspection & Testing  
Portland Cement Concrete Inspection & Testing  
Construction Staking

**DBE REQUIREMENT:** 5%

**MDOT PROJECT MANAGER:**

Munawar Azam  
Southwest Region Office  
1501 E. Kilgore Road  
Kalamazoo, MI 49001  
Phone: (269) 337-3920  
E-Mail: [AzamM@michigan.gov](mailto:AzamM@michigan.gov)

All inquiries about this Request for Proposal should be directed to the MDOT Project Manager.

**ESTIMATED CONSTRUCTION COST:** \$4,000,000

**PROJECT WEB SITE:**

[http://michigan.gov/mdot/0,1607,7-151-9625\\_21539\\_53226---,00.html](http://michigan.gov/mdot/0,1607,7-151-9625_21539_53226---,00.html)

**ADDITIONAL PREFERENCES:**

**A. Ground Anchors (also known as Tie-Backs)**

- Consultants shall include personnel that specialize in geotechnical engineering and shall have not less than five (5) years of experience related to construction and inspection of ground anchor installations. Any field representatives provided by the Proposer shall have demonstrated experience in monitoring ground anchor construction.
- Consultant shall have experience with the application during construction of FHWA Geotechnical Engineering Circular No. 4 “Ground Anchors and Anchored Systems”.
- Consultant shall review and understand the ground anchor installation plan prior to construction.
- Consultant shall have experience with implementation of anchor proof, performance, and creep testing in accordance with procedures given in latest edition of Post Tensioning Institute, "Recommendations for Prestressed Rock and Soil Anchors".
- Consultant shall have experience in the setup/calibration of deflection monitoring gauges and recording and interpreting anchor test data for anchor acceptance.
- Consultant field representative is responsible for: 1) understanding the basic fundamentals of ground anchor installation, 2) verifying that good construction practices are followed, 3) making sure that the contractor is collecting and recording the proper data, 4) collecting verification data as required, and 5) understanding the meaning of that data.

**B. Continuous Flight Auger (CFA) Piles (also known as Auger Cast Piles)**

- Consultants shall include personnel that specialize in geotechnical engineering and shall have not less than five (5) years of experience related to construction and inspection of CFA pile installations. Any field representatives provided by the Proposer shall have demonstrated experience in monitoring CFA pile construction.
- Consultant shall have experience with the application during construction of FHWA Geotechnical Engineering Circular No. 8 “Design and Construction of Continuous Flight Auger Piles”.
- Consultant shall review and understand the pile installation plan prior to construction.
- Consultant field representative is responsible for: 1) understanding the basic fundamentals of CFA pile installation, 2) verifying that good construction practices are followed, 3) making sure that the contractor is collecting and recording the proper data, 4) collecting verification data as required, and 5) understanding the meaning of that data.

**C. Steel Sheet piling and Soldier Pile Wall**

- Consultant’s qualifications are consistent with bridge construction engineering and other general construction prequalifications. Ground anchors associated with steel sheet piling and soldier pile walls are addressed above.
- Consultant shall include personnel that specialize in geotechnical engineering and shall have not less than five (5) years of experience related to construction and inspection of steel sheet piling and soldier pile wall installations. Any field representatives provided by the Consultant shall have demonstrated experience in monitoring steel sheet piling and soldier pile wall installations.

**GENERAL INFORMATION:**

The Consultant shall provide, to the satisfaction of the Department, Construction Engineering Services as generally described herein: project for construction work to be performed by the Construction Contractor until completion of work by the Construction Contractor and acceptance of the Project and construction engineering services by the Department.

The Consultant shall furnish all services and labor necessary to conduct and complete the Construction Engineering Services described herein. The Consultant shall also furnish all materials, equipment, supplies, and incidentals necessary to perform the Services (other than those designated in writing to be furnished by the Department), and check and/or test the materials, equipment, supplies, and incidentals as necessary in carrying out this work. The Services shall be performed to the satisfaction of the Department consistent with applicable professional standards.

- A.** The Consultant’s principal contact with the Department shall be through the designated Project Manager.

- B. The Services described herein are financed with public funds. The Consultant shall comply with all applicable Federal and State laws, rules, and regulations
- C. The Consultant agrees to demonstrate knowledge of, and performance in compliance with, the standard construction practices of the Department; the Project construction contract, proposal, and plans; the Standard Specifications for Construction and all applicable publications referenced within; the Michigan Construction Manual; the Materials Sampling Guide; the Materials Quality Assurance Procedures Manual; the Density Control Handbook; and any and all other references, guidelines, and procedures manuals needed to carry out the work described herein in an appropriate manner.

**CONSULTANT RESPONSIBILITIES:**

- A. **Safety:** The Consultant shall perform field operations in accordance with the Department's Personal Protective Equipment (PPE) Policy as stated in the MDOT Guidance Document #10118. A current copy of MDOT's PPE Policy is available on the Bulletin Board System. The Consultant shall perform field operations in accordance with MIOSHA regulations and accepted safety practices.
- B. **Project Engineer:** Perform as the Project Engineer for the Project consistent with the Department's practice and in accordance with the Specifications, Plans, Proposal, the Michigan Construction Manual, the Materials Sampling Guide, and any and all other applicable references, guidelines, and/or procedures manuals. Assign the Project Engineer as liaison between the Consultant and the MDOT Project Manager.
- C. **Inspectors:** Perform as the Inspector for the Project consistent with the Department's practice and in accordance with the Specifications, Plans, Proposal, the Michigan Construction Manual, the Materials Sampling Guide, and any and all other applicable references, guidelines, and/or procedures manuals. The consultant shall assign a sufficient number of qualified and experienced technicians to this Project to perform the services in a quality manner to avoid any delay to the Construction Contractor. Personnel performing inspection and testing on bituminous, Portland cement, aggregate or for density must have the appropriate certification and level for the inspection and testing that is being performed.
- D. **Office Support and Equipment:** Provide an experienced office technician knowledgeable about all aspects of the Field Manager system, and procedures regarding project record documentation. Provide administrative support. Provide all computer equipment necessary to run Field Manager system.
- E. **Meetings:** Arrange and conduct conferences and meetings required carrying out the services or as may be required by the Project Manager. Prepare and distribute minutes of all meetings except the Preconstruction meeting.
- F. **Coordination:** Provide appropriate coordination and contact, public relations, and cooperation with all affected local, state, and/or federal agencies including the Federal Highway Administration; other Consultants and other Contractors; the general public; utilities and

railroad companies; and local police, fire, and emergency services which may be affected by the Project and which are deemed to be the responsibility of the Consultant by the Department.

- G. Staking:** Perform all staking in accordance with Department standards, including, but not limited to, all staking to be performed by the Engineer and the Contractor as indicated in SP 104(A) Contractor Staking (or current applicable Contractor Staking Special Provision) including Mitigation staking, and perform all staking to be performed by the Engineer included in SP104 (H) Bridge Structure Stakes and Control, to ensure accuracy and compliance with the contract documents. Resolve any plan errors, discrepancies or omissions identified by the Contractor and/or Consultant and notify the Project Manager.
- H. Progress:** Keep daily diaries, sketches, logs, and records consistent with Department practice as may be needed to record the Contractor's progress. Notify the Project Manager of any anticipated Contractor's requests for extensions of time. Notify the Project Manager upon receipt of any Contractor's requests for extensions of time.
- I. Changes/Extras/Adjustments:** Notify the Project Manager immediately of any unanticipated Project conditions and any changes, extras, or adjustments to the contract. The MDOT Project Manager is responsible for issuing work orders and the consultant will recommended contract modifications.
- J. Contentious Issues:** Resolve any problems, issues, discrepancies, or other items brought to the attention of the Consultant by the Contractor. Provide written documentation of the resolution of such issues. Keep the Project Manager informed of all such issues.
- K. Contractor Claims:** Represent the Department as the Project Engineer on any and all claims for extra compensation and denied extensions of time requests filed on behalf of the Construction Contractor and/or Subcontractor on the Project against the Department. These claims shall be represented by the Consultant in accordance with Section 104.09 of the most current Standard Specification for Construction and/or the Department's Written Claim Procedures in effect at the time the Construction Contractor files the claim.
- L. Staff Reductions:** Withdraw any personnel or halt any services no longer required, at the request of the Department, or within a reasonable time after the lack of need becomes apparent to the Consultant or the Project Manager. The consultant will not be reimbursed for the cost of personnel charged to a project that the Project Manager has determined was unnecessary.
- M. As-Builts:** Consultant will be responsible for marking and preparing all project As-Builts.
- N. Consultant Deliverables:** Collect, properly label or identify, and deliver to the Department all original diaries, logs, notebooks, accounts, records, reports, other documents, and Project files prepared by the Consultant in the performance of the Agreement, upon completion or termination of the Agreement. Return, upon completion or termination of the Agreement, all Specifications, Manuals, guides, written instructions, construction contracts and plans, unused forms, and all other documents and materials furnished by the Department. The Consultant may be responsible for replacing lost documents or materials at a fair and reasonable price.

## SOIL EROSION AND SEDIMENTATION CONTROL (SESC)

- A. Soil Erosion and Sedimentation Control:** Have a thorough working knowledge of the Department's SESC Manual and other contract documents regarding soil erosion and sedimentation control. Assign personnel that possess a current SESC training certificate and NPDES construction storm water operator certification to perform inspection for soil erosion and sedimentation control. Ensure that a person in possession of a current SESC training certificate is onsite at all times during normal working hours and available to meet with MDEQ personnel who may visit the site. Request that the MDEQ personnel provide a copy of any inspection report that may be generated as a result of the visit to the project.

Perform inspection of the construction site to assure that specified soil erosion and sedimentation controls are installed correctly, performing as intended, and maintained daily. Provide recommendations to the Project Manager for modification of the control measures shown on the plans as may be required to improve their effectiveness. Immediately report to the Project Manager any deficiencies in the soil erosion and sedimentation control measures or noncompliance by the Contractor with the specifications governing soil erosion and sedimentation control. If corrective action is necessary, document the action and the required timeframe for completion. Follow up to document that the action is completed within the statutory and/or MDOT-specified timeframes. Report the Contractor's failure to complete the corrective actions within the required timeframe to the Project Manager.

- B. Storm Water Management:** Have a thorough working knowledge of the Department's Storm Water Management Plan. Perform inspection of the construction site to ensure that the Contractor's operation is following pollution prevention and good housekeeping best management practices conforming to the Department's Storm Water Management Plan. Notify the Project Manager immediately of the occurrence of, or potential for, release of polluting material to the ground, groundwater, surface water, or storm water drainage system including open ditches, culverts, rivers, and enclosed storm sewers.
- C. Environmental Permits:** Have a thorough working knowledge of the construction requirements of all project specific environmental permits issued to MDOT by the DEQ/DNRE, US Corp of Engineers, or other permitting agency. Inspect project areas covered by these permits and assure that the Contractor complies with the permit requirements.

Report to the Project Manager any potential for or occurrence of violation of these permits. Fully document all site conditions and actions taken regarding potential or actual violations of the permit requirements.

- D. Inspection Reports:** Complete inspection reports, including but not limited to, Inspector's Daily Report (Form 1122) and NPDES/SESC Inspection Report (Form 1126), as necessary to fully document all site conditions and any corrective action required and completed related to environmental issues. Provide digital photos as necessary to document conditions and all corrective actions.

## **PROJECT INSPECTION**

- A. Ongoing Inspection:** Provide inspection of all Contractor field construction work, provide quality control, and confirm substantial conformance with the Specifications, Plans, and Proposal. Arrange for non-compliance work to be made whole by the Contractor or to find the non-compliance work acceptable to the Consultant and, where necessary, to the MDOT Design Project Manager. Immediately bring to the attention of the Delivery Engineer the failure by the Contractor to comply with a plan or specification requirement, and any problems or trends toward borderline compliance, or any other occurrence that may require resolution by the Engineer.
- B. Final Inspection:** Participate in a final inspection of all work included in the Project, or such portions thereof eligible for acceptance, after notification by the Contractor that the work is completed or after the Consultant's records show the work is completed. The final inspection shall include documentation of particular defects to be remedied if work is not acceptable to the Consultant.
- C. Final Acceptance:** With the MDOT inspection team, ascertain that each and every part of the Project has been performed in accordance with the plans and specifications, or such modifications thereof as may have been approved, and accept the Project.

## **TESTING AND REPORTING**

- A. Material Quality Assurance Sampling and/or Testing and Density Control:** Conduct quality assurance sampling and/or testing of materials including but not limited to, Portland cement concrete, bituminous mixtures, aggregates, and density testing and reporting in accordance with MDOT's Materials Source Guide, Materials Quality Assurance Procedures Manual, Density Control Handbook, and any or all other applicable referenced or included Contract Documents. Determine the acceptability of materials based on their respective specification requirements. Immediately inform the Project Manager of non-compliance work and trends toward borderline compliance. Reject Contractor's work and materials not in compliance with the Contract Documents or as directed by MDOT. **The Prime Consultant will be held accountable for all quality assurance activities and will be reimbursed for these activities unless otherwise indicated in writing by the MDOT project manager that the Prime Consultant is not responsible for these services.**
- B. Material Certification:** Make certain that acceptable test reports and/or material certifications from the supplier have been received, prior to the incorporation of materials in the work, for materials tested off the Project site.
- C. Material Reports:** Submit Material test reports, including but not limited, the Inspector's Report of Concrete Placed 1174A, Aggregate Inspection Reports 1900 & 1901, Bituminous QA reports, Concrete QA reports, and the "Moisture and Density Determination, Nuclear Method", Form 582B, etc. to the distribution list within one day of the testing. The efficiency of the consultant in getting the "Moisture and Density Determination, Nuclear Method", Form 582B, copy to the Lansing,

Density Technology Unit, 8885 Ricks Road, Lansing, MI 48909 will be measured by that unit and reflected on the consultant's evaluation.

## **MEASUREMENT, COMPUTATION AND DOCUMENTATION OF QUANTITIES**

- A. **Documentation:** Measure and compute quantities, and provide appropriate documentation of all materials incorporated in the work and items of work completed, and maintain an item record account using Field Manager software.

**The Consultant must obtain and be able to use the FieldManager Suite of Software for this project. Contact Info Tech, Inc. at (352) 381-4400 or fax (352) 381-4444 or ([www.fieldmanager.com](http://www.fieldmanager.com)) to obtain software and information on training. Since this software will be used on all MDOT projects in the future, the cost of this software cannot be charged as a direct expense for this project. Consultants must keep their version of the FieldManager Suite of software current with the version being used by MDOT.**

- B. **Insufficient Tested Materials:** Track insufficient tested materials and notify the Contractor on a bi-weekly basis.

## **REPORTING AND RECORD KEEPING**

- A. **Consultant Reports:** Prepare such periodic, intermediate and final reports and records as may be required by the Department and as are applicable to the Project, which may include, but are not limited to:

1. Inspector's Daily Reports
2. Work Orders (The MDOT Project Manager shall sign / issue all work orders, including those prepared by the Consultant)
3. Construction Item and Tested Material Records using FieldManager
4. Transfer of Tested Materials
5. Monthly Report on Material Inspection
6. Moisture and Density Determination Reports (Form 582BM)
7. Inspector's Report of Concrete Placed (Form 1174A-M)
8. NPDES Storm water Operator Reports
9. Labor Compliance, such as the Weekly Employment and OJT Report (Form 1199)
10. Construction Estimate Bi-Weekly Report
11. Bi-Weekly Construction Progress Report and Weekly Statement of Working Days Charged
12. Force Accounts
13. Contract Modifications (Recommendations and Authorizations)
14. Extension of Time and Liquidated Damages
15. Contractor Evaluation (Form 1182)
16. Reduction in Reserve
17. Complete Post Construction Review including form 285-2, if required by the Project Manager

18. Other records and/or reports as required for the individual Project by the Project Manager and/or as required by Specifications, Plans, Proposal, the Michigan Construction Manual, the Materials Sampling Guide, and any and all other applicable references, guidelines, and/or procedures manuals

**B. Contractor Generated Reports:** Review, process, and/or approve Construction Contractor submittal of records and reports required by the Department as applicable to the Project which may include, but not limited to:

1. Working Drawings
2. Weekly Employment Reports, Certified Payrolls
3. Contractor's claims for additional compensation and extension(s) of time, and
4. Other reports and records as required for the individual Project by the Project Manager

**C. Project Files:** Maintain project files in accordance with the MDOT Office Manual and Departmental procedures. Send copies of select correspondence and documentation to the Project Manager.

#### **CLOSING ALL PROJECT DOCUMENTATION**

**A. Final Measure and Summarize:** Final field measure applicable items of work. Prepare final summaries for applicable items of work.

**B. Project Review/Certification:** Participate in and resolve items determined to be insufficient during the Department's review(s) of project records and/or during the Project Engineer Certification Process prior to submitting the Final Estimate. Within 45 calendar days of the actual project completion date, the project records shall be ready for the Final Records Review.

**C. Final Documents:** Prepare and submit the Final Estimate, Final Quantity Sheets, Final Marked As-Constructed Plans, and the Design/Construction Package Evaluation (Form 285-2). The Final Estimate Package shall be submitted to the Project Manager within 30 days of the Final Records Review.

#### **MDOT RESPONSIBILITIES:**

**A.** The Project Manager shall furnish to the Consultant all Project-specific construction contracts, proposals, plans, plan revisions, written instructions, and other information and/or data as deemed necessary by the Project Manager for the Services required herein. Unless such information is available to be downloaded on the MDOT web site.

**B.** The Department shall furnish off-site inspections and tests of steel, cement, sewer and drainage pipe, traffic signs, and any other materials customarily tested in the Department laboratories with its own forces or by statewide contracts except concrete aggregates, aggregates, and concrete cylinders. The customary testing is described in the Materials Quality Assurance Procedures Manual with exceptions noted within the Specifications, Plans, and Proposal. The Consultant

shall be responsible for the sampling and transportation of all the materials to be tested by Department personnel.

- C. The Project Manager shall provide general monitoring and quality auditing inspection of the Project to assure that the Project has been completed in reasonable conformance with the plans and specifications for Project Acceptance and to determine that the work performed to date by the Consultant for Services rendered is reasonable and appropriate before approving the Consultant's requests for progress payments.
- D. The Project Engineer/Manager will arrange and conduct the Preconstruction meeting as well as prepare and distribute the meeting minutes.

**CONSULTANT PAYMENT – Actual Cost Plus Fixed Fee:**

Compensation for this project shall be on an **actual cost plus fixed fee** basis. This basis of payment typically includes an estimate of labor hours by classification or employee, hourly labor rates, applied overhead, other direct costs, sub consultant costs, and applied fixed fee.

All billings for services must be directed to the Department and follow the current guidelines. The latest copy of the "Professional Engineering Service Reimbursement Guidelines for Bureau of Highways" is available on MDOT's website. This document contains instructions and forms that must be followed and used for billing. Payment may be delayed or decreased if the instructions are not followed.

Payment to the Consultant for services rendered shall not exceed the maximum amount unless an increase is approved in accordance with the contract with the Consultant. Typically, billings must be submitted within 60 days after the completion of services for the current billing. The final billing must be received within 60 days of the completion of services. Refer to your contract for your specific contract terms. Direct expenses, if applicable, will not be paid in excess of that allowed by the Department for its own employees in accordance with the State of Michigan's Standardized Travel Regulations. Supporting documentation must be submitted with the billing for all eligible expenses on the project in accordance with the Reimbursement Guidelines. The only hours that will be considered allowable charges for this contract are those that are directly attributable to the activities of this project.

The use of overtime hours is not acceptable unless prior written approval is granted by the MDOT Region Engineer/Bureau Director and the MDOT Project Manager. Reimbursement for overtime hours that are allowed will be limited to time spent on this project in excess of forty hours per person per week. Any variations to this rule should be included in the priced proposal submitted by the Consultant and must have prior written approval by the MDOT Region Engineer/Bureau Director and the MDOT Project Manager.

The fixed fee for profit allowed for this project is 11.0% of the cost of direct labor and overhead.

**The hours billed for inspectors will not begin until the inspectors report to the project site or to the project office.**