

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

	REQUISITION NUMBER	DUE DATE	TIME DUE
MDOT PROJECT MANAGER	JOB NUMBER (JN)	CONTROL SECTION (CS)	

DESCRIPTION

MDOT PROJECT MANAGER: Check all items to be included in RFP			CONSULTANT: Provide only checked items below in proposal
WHITE = REQUIRED ** = OPTIONAL			
Check the appropriate Tier in the box below			
<input type="checkbox"/> TIER I (\$50,000 - \$150,000)	<input type="checkbox"/> TIER II (\$150,000-\$1,000,000)	<input type="checkbox"/> TIER III (>\$1,000,000)	
<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"/>	Organizational Chart
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Qualifications of Team
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)	7 pages (MDOT Forms not counted)	14 pages (MDOT forms not counted)	Total maximum pages for RFP <b>not including key personnel resumes.</b> Resumes limited to 2 pages per key staff personnel.

**PROPOSAL AND BID SHEET EMAIL ADDRESS – [mdot-rfp-response@michigan.gov](mailto:mdot-rfp-response@michigan.gov)**

### 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 five (5) 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

**5100J** – Consultant Data and Signature Sheet (Required for all firms performing non-prequalified services on this project.)

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

# REQUEST FOR PROPOSAL

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 Services Contracts) **AA**

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## RFP SPECIFIC INFORMATION

ENGINEERING SERVICES                       BUREAU OF TRANSPORTATION PLANNING                       OTHER

THE SERVICE WAS POSTED ON THE ANTICIPATED QUARTERLY REQUESTS FOR PROPOSALS  
 NO                       YES                      DATED \_\_\_\_\_ THROUGH \_\_\_\_\_

<input type="checkbox"/> <b>Prequalified Services</b> – See the attached Scope of Services for required Prequalification Classifications.	<input type="checkbox"/> <b>Non-Prequalified Services</b> – If selected, the vendor must make sure that current financial information, including labor rates, overhead computations, and financial statements, 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. <b>Form 5100J is required with proposal for all firms performing non-prequalified services on this project.</b>
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**Qualification Based Selection** - Use Consultant/Vendor Selection Guidelines.

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

**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.

**Qualification Based Selection / 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. The vendor that has met established qualification threshold and with the lowest bid will be selected.

**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.)

## BID SHEET INSTRUCTIONS

Bid Sheet(s) are located at the end of the Scope of Services. Submit bid sheet(s) with the proposal, to the email address: [mdot-rfp-response@michigan.gov](mailto:mdot-rfp-response@michigan.gov). Failure to comply with this procedure may result in your bid being rejected from consideration.

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## PARTNERSHIP CHARTER AGREEMENT

MDOT and ACEC created a Partnership Charter Agreement which establishes guidelines to assist MDOT and Consultants in successful partnering. Both the Consultant and MDOT Project Manager are reminded to review the [ACEC-MDOT Partnership Charter Agreement](#) and are asked to follow all communications, issues resolution and other procedures and guidance’s contained therein.

**NOTIFICATION  
MANDATORY ELECTRONIC SUBMITTAL**

**Proposals submitted for this project must be submitted electronically.**

**The following are changes to the Proposal Submittal Requirements:**

- Eliminated the Following Requirements:
  - Safety Program
  - Communication Plan
  - Past Performance as *a separate section*
  - Separate section for DBE Statement of goals. Include information in Qualification of Team section
  
- Implemented the Following Changes:
  - All proposals require an Organization Chart
  - Resumes must be a maximum of two pages
  - Only Key (lead) staff resumes may be submitted
  - Tier III proposal reduced from 19 to 14 pages
  - Forms 5100D, 5100I, and 5100G combined – 5100D
  - Forms 5100B and 5100H combined – 5100B
  - RFP's will be posted on a weekly basis -- on Mondays

**The following are Requirements for Electronic Submittals:**

- Proposals must be prepared using the most current guidelines
- The proposal must be bookmarked to clearly identify the proposal sections (See Below)
- For any section not required per the RFP, the bookmark must be edited to include “N/A” after the bookmark title.  
**Example:** Understanding of Service – N/A
- Proposals must be assembled and saved as a single PDF file
- PDF file must be 5 megabytes or smaller
- PDF file must be submitted via e-mail to [MDOT-RFP-Response@michigan.gov](mailto:MDOT-RFP-Response@michigan.gov)
- MDOT's requisition number and company name must be included in the subject line of the e-mail. The PDF shall be named using the following format:
  - Requisition#XXX\_Company Name.PDF
- MDOT will not accept multiple submittals
- Proposals must be *received* by MDOT on or before the due date and time specified in each RFP

**If the submittals do not comply with the requirements, they may be determined unresponsive.**

The Consultant's will receive an e-mail reply/notification from MDOT when the proposal is received. Please retain a copy of this e-mail as proof that the proposal was received on time.  
**Consultants are responsible for ensuring the MDOT receives the proposal on time.**

**\*\*Contact Contract Services Division immediately at 517-373-4680 if you do not get an auto response\*\***

**Required Bookmarking Format:**

- I. Request for Proposal Cover Sheet Form 5100D
  - A. Consultant Data and Signature Sheet, Form 5100J (if applicable)
- II. Understanding of Service
  - A. Innovations
- III. Qualifications of Team
  - A. Structure of Project Team
    - 1. Role of Firms
    - 2. Role of Key Personnel
  - B. Organization Chart
  - C. Location
- IV. Quality Assurance / Quality Control Plan
- V. Resumes of Key Staff
- VI. Pricing Documents/Bid Sheet (if applicable)

**2/14/12**

**NOTIFICATION  
E-VERIFY REQUIREMENTS**

E-Verify is an Internet based system that allows an employer, using information reported on an employee's Form I-9, Employment Eligibility Verification, to determine the eligibility of that employee to work in the United States. There is no charge to employers to use E-Verify. The E-Verify system is operated by the Department of Homeland Security (DHS) in partnership with the Social Security Administration. E-Verify is available in Spanish.

The State of Michigan is requiring, under Public Act 200 of 2012, Section 381, that as a condition of each contract or subcontract for construction, maintenance, or engineering services that the pre-qualified contractor or subcontractor agree to use the E-Verify system to verify that all persons hired during the contract term by the contractor or subcontractor are legally present and authorized to work in the United States.

Information on registration for and use of the E-Verify program can be obtained via the Internet at the DHS Web site: <http://www.dhs.gov/E-Verify>.

The documentation supporting the usage of the E-Verify system must be maintained by each consultant and be made available to MDOT upon request.

It is the responsibility of the prime consultant to include the E-Verify requirement documented in this NOTIFICATION in all tiers of subcontracts.

9/13/12

**Michigan Department of Transportation**

**SCOPE OF SERVICE  
FOR  
CONSTRUCTION SERVICES  
Full Construction Engineering**

**CONTROL SECTION(S)**: 82022

**JOB NUMBER(S)**: 127507A

**PROJECT LOCATION**: EB and WB I-94 between Beech Daly and Wayne Roads, including collector distributor roads and ramps, in Wayne County.

**DESCRIPTION OF WORK**:

The Consultant shall provide, to the satisfaction of the Department, Full 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 construction contract work consists of approx. 5.5 miles of 1 ½” hot mix asphalt cold milling and resurfacing of both directions of I-94 and includes work on the collector distributor roads and ramps within the Merriman and Middlebelt interchange. The construction work involves pavement conditioning with detail 7 joint repairs and concrete pavement restorations, drainage structure cleaning, permanent pavement marking installation, and temporary traffic control. The above work is anticipated to be completed during the 2016 construction season and is predominately nights and weekends. Therefore, the Construction Services may be required to work nights and/or weekends and may be required to work overtime.

The Construction Engineering Services are as follows: **project administration; inspection; quality assurance sampling, testing, and reporting; work progress measurement, computation, and documentation of quantities; reporting and record keeping of project pay items; reporting and record keeping for assistance with Pavement Historical Database (PHD) and Design Package Evaluation (DPE); and finalizing all project documentation through project close out; project close out shall be timely.**

**ANTICIPATED START DATE**: May 9, 2016

**ANTICIPATED COMPLETION DATE**: April 30, 2017

**PRIMARY PREQUALIFICATION CLASSIFICATION:**

Construction Engineering: Roadway

**SECONDARY PREQUALIFICATION CLASSIFICATION:**

Construction Engineering: Assistance

Construction Inspection: HMA Pavement

Construction Inspection: Roadway

Construction Inspection: Traffic and Safety

Construction Services: Office Technician

Construction Testing: Concrete

Construction Testing: Density

**DBE PARTICIPATION:** 10%

**ESTIMATED CONSTRUCTION COST:** \$9,000,000

**MDOT PROJECT MANAGER:**

Sean Kerley/ Project Manager

Region/TSG/Office: Metro/Taylor TSG

Address: 6510 Telegraph Road, Taylor, MI 48180

Phone: 313-375-2414

E-mail: kerleys@michigan.gov

The Consultant shall contact the Project Manager prior to beginning any work on this Project.

**GENERAL INFORMATION:**

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. Not all inspectors will be required to perform material testing, however, for efficiency it is preferred that the person(s) performing the inspection for the required work will also perform the testing associated with oversight of operations.

- 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; Bureau of Highways Instructional Memos; Construction Advisories; the MDOT/ACEC Partnership Agreement, and any and all other references, guidelines, and procedures manuals needed to carry out the work described herein in an appropriate manner.

- D.** The Consultant will notify the MDOT Project Engineer Manager, in writing in a timely manner, prior to any personnel changes from those specified in the Consultant's original approved proposal. Any personnel substitutions are subject to the review and approval of the MDOT Project Manager.
- E.** The consultant shall set up and manage weekly progress meetings with the Contractor and shall record the meeting minutes and all related project issues.
- F.** While MDOT Communications staff shall handle primary communication issues; it is expected that the consultant be available to MDOT at all times to assist MDOT Communications and for issues that may need clarification for public releases.
- G.** The inspector shall submit bi-weekly overtime summary reports to the Project Engineer for review and approval.
- H.** The Consultant shall be responsible for any errors that occur on the project due to an inspection and/or testing error. The Consultant will be responsible to compensate MDOT for the additional costs incurred due to an inspection and/or testing error on the project by one of their employees. At such time the error is discovered MDOT will meet with the Consultant to discuss options to rectify the error.

#### **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. The Consultant shall hold regularly scheduled safety meetings to remain current with safety practices to keep all personnel current with safety rules and regulations and 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 Department-designated 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, density inspection and testing, or for Soil Erosion and Sedimentation Measures must have the appropriate certification and level for the inspection and testing that is being performed. The consultant inspectors will be required to document and process all IDRs and other documents using FieldBook.
- 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. Provide office technician experienced in Construction Document Management (e-construction) through the Department's ProjectWise 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 including regularly scheduled progress meetings.
- 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. However, all media relations must be approved by the MDOT Project Manager and MDOT Communications prior to issuance to the public.
- G. 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.**

- H. Soil Erosion and Sedimentation Control (SESC):** The Consultant must have a comprehensive knowledge of Part 91, Soil Erosion and Sedimentation Control, of Public Act 451 of 1994, Natural Resources and Environmental Protection Act, MDOT's current Soil Erosion and Sedimentation Control Manual, and MDOT's obligation as an Authorized Public Agency (APA).

As an APA, MDOT accepts responsibility for earth disturbance within its right of way. The Consultant must assign a Construction Storm Water Operator (CSWO), who possesses a current Construction Storm Water Operator Certification (CSWOC), to perform site inspections to determine compliance with the Soil Erosion and Sedimentation Control Plan and report any deficiencies on Form 1126, National Pollutant Discharge Elimination System (NPDES) and Soil Erosion Sedimentation Control (SESC) Inspection Report.

The CSWO must be on-site at all times during normal working hours. A CSWO is defined as an individual who has Taken Michigan Department of Environmental Quality (MDEQ) Construction Storm Water Operator/Soil Erosion Inspector Training (covering Units 1-5) and holds a valid, current CSWO Certification. The CSWO duties consist of performing inspections of the construction site to ensure SESC measures are implemented and maintained per the SESC plan and are effective in minimizing soil erosion and preventing sedimentation from leaving the site. The CSWO must inspect a project for SESC compliance every seven days or within 24 hours of a precipitation event (rain or snowmelt) that results in runoff from the site. The CSWO must be available to meet with MDOT staff or MDEQ personnel. The CSWO must immediately provide a copy of any MDEQ or MDOT inspection report to the Project Manager and the applicable Region Soils Engineer.

Individuals who are responsible for administering and enforcing Part 91 or revising SESC plan measures before or during construction must hold a valid Comprehensive Soil Erosion and Sedimentation Control Training Certificate. Only an individual holding this certificate may develop, modify, or change prescribed SESC measures that are not effective. Both the Project Manager and the applicable Region Soils Engineer must be provided copies of the revised SESC plan for approval.

The Consultant must immediately report to the Project Manager the Contractor's failure to complete SESC corrective actions within the required time frames. Deficiencies are to be documented on Form 1126. Form 1126 is to be distributed to the applicable Region Soils Engineer and the Construction Field Services Division.

- I. 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 immediately of any anticipated Contractor's requests for extensions of time. Notify the Project Manager immediately upon receipt of any Contractor's requests for extensions of time. Provide an evaluation and recommendation of any Contractor's request for extension of time. Provide collection of real-time production rates of contractor operations.

- J. Changes/Extras/Adjustments:** Notify the Project Manager immediately of any unanticipated Project conditions and any changes, extras, or adjustments to the contract before processing a Work Order and/or Recommendation. Adhere to Metro Region's pre-approval thresholds for changes, extras, or adjustments prior to authorizing the Contractor to proceed with any changes, extras, or adjustments.
- K. Contentious Issues:** Resolve any problems, issues, discrepancies, or other items brought to the attention of the Consultant by the Contractor. Provide written documentation to the Contractor of any issues and of the resolution of such issues. Provide timely notice to the Project Manager of all such issues and keep record of any issues in writing as part of progress meeting minutes.
- L. 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.
- M. 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.
- 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. In accordance with the Special Provision for Construction Document Management, maintain all project records in proper file folders within the MDOT's ProjectWise system. Assist the MDOT Project Manager with entry of project information into the MDOT Pavement Historical Database (PHD) and the Design Package Evaluation (DPE). Provide project information of the Contractor's real-time production rates in a manner determined necessary by the MDOT Project Manager.
- O. Environmental Permits:** Have a thorough working knowledge of the construction requirements of all project specific environmental permits issued to MDOT by the

MDEQ Land and Water Management Division, U.S. Army 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 or designee 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.

- P. Other Environmental Issues:** Have a thorough working knowledge of the Department's specifications regarding bridge painting, diamond grinding, hydrodemolition, and hazardous materials. Ensure that the Contractor complies with these specifications, and maintain proper documentation.
- Q. Inspection Reports:** Complete inspection reports, including but not limited to, Inspector's Daily Report (IDR) 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.
- R.** The consultant must follow the Special Provision for Construction Document Management in the administration of the project(s). This requires access and use of the most current electronic document management system used by the Department.

## **PROJECT INSPECTION**

- A. Ongoing Inspection:** Provide inspection of all Contractor field construction work, perform quality assurance sampling and/or testing, and confirm substantial conformance with the Specifications, Plans, and Proposal as required. Arrange for non-compliance work to be made whole by the Contractor or to find the non-compliance work acceptable to the Consultant and to the MDOT Project Manager. Immediately inform the MDOT Project Manager of non-compliance work and trends toward borderline compliance.
- B. Final Inspection:** Complete 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. Provide in writing to the Contractor the punch list items to be completed prior to the final inspection. The final inspection shall include notifying the Contractor in writing of particular defects to be remedied if work is not acceptable to the Consultant.
- C. Final Acceptance:** 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. Invite the Project Manager and other Department personnel, as directed by current Department policy, to participate in the final acceptance.

## **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 (including but not limited to Buy America step certification), 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.

**The consultant and any sub-consultants contracted by the Michigan Department of Transportation (MDOT) to perform density testing service that use equipment regulated by the Nuclear Regulatory Commission (NRC) shall:**

- 1. Possess a valid license issued by the NRC, or recognized Agreement State, for ownership and use of sealed sources contained within portable nuclear density gauges.**
- 2. Provide the Radiation Safety Office (RSO) of MDOT with a copy of the aforementioned license.**
- 3. Comply with all rules and regulations set forth by Title 10 (Energy) and 49 (Transportation).**

Failure of any of the above will be found in noncompliance with the contract.

### **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:
- a. **Inspector's Daily Reports,**
  - b. **Work Orders,**
  - c. **Construction Item and Tested Material Records using FieldManager,**
  - d. **Transfer of Tested Materials,**
  - e. **Monthly Report on Material Inspection,**
  - f. **Moisture and Density Determination Reports (Form 582B)**
  - g. **Inspector's Report of Concrete Placed (Form 1174A-M)**
  - h. **NPDES Storm water Operator Reports (Form 1126)**
  - i. **Labor Compliance, such as the Weekly Employment and OJT Report (Form 1199),**
  - j. **Construction Estimate Bi-Weekly Report,**
  - k. **Bi-Weekly Construction Progress Report and Weekly Statement of Working Days Charged**
  - l. **Force Accounts**
  - m. **Contract Modifications (Recommendations and Authorizations)**
  - n. **Extension of Time and Liquidated Damages**
  - o. **Contractor Evaluation (Form 1182)**
  - p. **Reduction in Reserve**
  - q. **Complete Post Construction Review including form 285-2, if required by the Project Manager.**



- 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, bituminous mixture designs, sewer and drainage pipe, structural steel, prestressed girders and beams, 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 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 Department shall provide the bituminous plant inspection required for Quality Assurance and will submit the QA reports to the Consultant Project Engineer for analysis and action. The Consultant shall still be responsible for all on-site bituminous inspection required, including, but not limited to, locating the required Quality Assurance cores, and coordinating with the contractor regarding this sampling.
- E. The Department shall perform soil borings and subsurface investigation as necessary throughout the contract.
- F. The Project Engineer/Manager will arrange and conduct the Preconstruction meeting and may request assistance with preparing and distributing 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, subconsultant costs, and applied fixed fee. The fixed fee for profit allowed for this project is 11.0% of the cost of direct labor and

overhead.

All billings for services must be directed to the Department and follow the current guidelines. 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.

MDOT will reimburse the consultant for vehicle expenses and the costs of travel to and from project sites in accordance with MDOT's Travel and Vehicle Expense Reimbursement Guidelines, dated May 1, 2013. The guidelines can be found at [http://www.michigan.gov/documents/mdot/Final\\_Travel\\_Guidelines\\_05-01-13\\_420289\\_7.pdf?20130509082418](http://www.michigan.gov/documents/mdot/Final_Travel_Guidelines_05-01-13_420289_7.pdf?20130509082418). MDOT's travel and vehicle expense reimbursement policies are intended primarily for construction engineering work. Reimbursement for travel to and from project sites and for vehicle expenses for all other types of work will be approved on a case by case basis.

MDOT will pay overtime in accordance with MDOT's Overtime Reimbursement Guidelines, dated May 1, 2013. The guidelines can be found at [http://www.michigan.gov/documents/mdot/Final\\_Overtime\\_Guidelines\\_05-01-13\\_420286\\_7.pdf?20130509081848](http://www.michigan.gov/documents/mdot/Final_Overtime_Guidelines_05-01-13_420286_7.pdf?20130509081848). MDOT's overtime reimbursement policies are intended primarily for construction engineering work. Overtime reimbursement for all other types of work will be approved on a case by case basis.