

## 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			
<b>MDOT PROJECT MANAGER:</b> Check all items to be included in RFP  WHITE = REQUIRED GRAY SHADING = OPTIONAL  Check the appropriate Tier in the box below		<b>CONSULTANT:</b> Provide only checked items below in proposal	
<input type="checkbox"/> <b>TIER I</b> (\$25,000-\$99,999)	<input type="checkbox"/> <b>TIER II</b> (\$100,000-\$250,000)	<input type="checkbox"/> <b>TIER III</b> (>\$250,000)	
<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 p=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)	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 only for firms not currently prequalified with MDOT)

**(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" and "Guideline for Completing a Low Bid Sheet(S)\*", if a low bid is involved as part of the selection process. **Reference 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. **Form 5100J is required with Proposal for firms not currently prequalified with MDOT**

**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 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 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. The vendor that has met established qualification threshold and 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**

Bid Sheet(s) must be submitted in accordance with the "Guidelines for Completing a Low Bid Sheet(s)\*" (available on MDOT's website). Bid Sheet(s) are located at the end of the Scope of Services. Submit bid sheet(s) separate from 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.

**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  
DESIGN SERVICES**

**Revised as of 4.23.13**

**Additional electrical work items on #114377**

**CONTROL SECTIONS:** 77032 & 77052

**JOB NUMBER(S):** 114377D & 114379D

**PROJECT LOCATION:**

The project is located on I-94 BL over Black River in the City of Port Huron and on M-29 over Pine River in the City of St. Clair, St. County.

**PROJECT DESCRIPTION:**

Work involved in the design of the project consists of: electrical, hydraulic and structural rehabilitation (JN 114377D) and electrical and structural rehabilitation (JN 114379D), see **Attachment A** for details, and maintaining traffic.

**ANTICIPATED SERVICE START DATE:** 06/20/2013

**ANTICIPATED SERVICE COMPLETION DATE:** 08/22/2014

**PRIMARY PREQUALIFICATION CLASSIFICATION(S):**

Movable Span Bridges

**SECONDARY PREQUALIFICATION CLASSIFICATION(S):**

Maintaining Traffic Plans and Provisions

**DBE REQUIREMENT:** 0%

**MDOT PROJECT ENGINEER MANAGER:**

Jose A. Garcia, P.E.  
Design Special Structures Unit  
Van Wagoner Building  
425 W. Ottawa Street  
P.O. Box 30050  
Lansing, MI 48909  
Phone: 517-373-0075  
E-mail: [garciaj@michigan.gov](mailto:garciaj@michigan.gov)

**CONSTRUCTION COST:**

The estimated cost of construction is: \$1,743,000.00 (JN 114377D) & \$679,000.00 (JN 114379D)

The above construction total is the amount of funding programmed for this project. The Consultant is expected to design the project within the programmed amount.

**If at any time the estimated cost of construction varies by more than 5% of the current programmed amount, then the Consultant will be required to submit a letter to the MDOT Project Manager justifying the changes in the construction cost estimate.**

**REQUIRED MDOT GUIDELINES AND STANDARDS:**

Work shall conform to current MDOT, FHWA, and AASHTO practices, guidelines, policies, and standards (i.e., Bridge Design Manual and Guides, Road Design Manual, Standard Plans, Published MDOT Design Advisories, Drainage Manual, Roadside Design Guide, A Policy on Geometric Design of Highways and Streets, Michigan Manual of Uniform Traffic Control Devices, etc.).

The Consultant is required to use the current MDOT1 workspace version of Bentley MicroStation for CADD applications and Bentley GEOPAK for road design. Consultant shall comply with all MDOT CADD standards and file naming conventions.

**GENERAL INFORMATION:**

The bridge is an 11 span, double-deck Lift Bridge, built in 1960.

**CONSULTANT RESPONSIBILITIES:**

Complete the design of this project including, but not limited to the following:

The Consultant must adhere to all applicable OSHA and MIOSHA safety standards, including the appropriate traffic signs for the activities and conditions for this job and perform field operations in accordance with the Department's Personal Protective Equipment (PPE) policy as stated in the MDOT Guidance Document #10118.

Meet with the MDOT Project Manager to review project, location of data sources and contact persons, and review relevant MDOT operations. The Consultant shall review and clarify project issues, data needs and availability, and the sequence of events and team meetings that are essential to complete the design by the project plan completion date. Attention shall be given to critical target dates that may require a large lead time, such as geotechnical requirements, ROW submittal dates, Railroad coordination requirements, utility conflict resolution, local agency meetings, etc.

**Consultant will perform the mobility analysis along with the safety review and crash analysis as needed for Work Zone Mobility tasks, up to and including a Transportation Management Plan.**

- A. Prepare required plans, typical cross-sections, details, and specifications required for design and construction.
- B. Compute and verify all plan quantities.
- C. Prepare staging plans and special provisions for maintaining traffic during construction.
- D. Provide solutions to any unique problems that may arise during the design of this project.
- E. The Consultant may be required to provide Design Services during the construction phase of this project. If Construction Assistance is required, then a separate authorization for those services will be issued.
- F. Maintain a Design Project Record which includes a history of significant events (changes, comments, etc.) which influenced the development of the plans, dates of submittals and receipt of information.
- G. If excavation is required, submit the excavation locations which may contain contamination. Project Manager then can proceed in requesting a Project Area Contamination Survey (PACS).
- H. The Consultant shall be required to prepare and submit a CPM network for the construction of this project.
- I. The Consultant representative shall record and submit type-written minutes for all project related meetings to the MDOT Project Manager within two weeks of the meeting. The Consultant shall also distribute the minutes to all meeting attendees. MDOT will provide and distribute official meeting minutes for the Plan Review Meeting.
- J. The Consultant will provide to MDOT at the scheduled submittal dates, electronic copies (in Adobe PDF format) of the required specifications and plan set materials for distribution by MDOT for all reviews for this project.
- K. Prepare and submit electronically (native format or Adobe PDF) any information, calculations, hydraulic studies, or drawings required by MDOT for acquiring any permit (ie. NPDES, DEQ, etc), approvals (i.e. county drain commission) and related mitigation. MDOT will submit permit requests.
- L. Attend any project-related meetings as directed by the MDOT Project Manager.

- M. Attend information meetings (i.e., public hearings, open houses, etc.) with the public and public officials to assist in responding to concerns and questions. May require the preparation of displays such as maps, marked-up plans, etc.
- N. The Consultant shall assist in the review of utility permit requests, incorporate the information in the design plans, and respond within 2 weeks from receipt of the permit.
- O. The MDOT Project Manager shall be the official MDOT contact person for the Consultant **and shall be made aware of all communications regarding this project**. The Consultant must either address or send a copy of all correspondence to the MDOT Project Manager. This includes all Subcontractor correspondence and verbal contact records.
- P. The Consultant shall contact the MDOT Project Manager whenever discoveries or design alternatives have the potential to require changes in the scope, limits, quantities, costs, or right-of-way of the project.

## **UTILITIES**

The Consultant shall be responsible for obtaining and showing on the plans the location and names of all existing utilities within the limits of the project. In the course of resolving utility conflicts, the Consultant shall make modifications to the plans or design details and provide assistance as directed by the MDOT Utility Permits Engineer and/or Project Manager. The Consultant shall attend any utility meetings called to ensure that the concerns are addressed on the plans involving utilities. The Consultant shall assist in the review of utility permit requests to ensure compatibility with the project.

## **TRAFFIC CONTROL**

The Consultant shall be responsible for all traffic control required to perform the tasks as outlined in this Scope of Design Services.

## **MDOT PERMITS**

The Consultant shall be responsible for obtaining up to date access permits and pertinent information for tasks in MDOT Right of Way (ROW). This information can be obtained through Joe Rios, Utilities/Permits Section, Real Estate Division at (517) 241-2103.

## **MONTHLY PROGRESS REPORT**

On the first of each month, the Consultant Project Manager shall submit a monthly project progress report to the Project Manager.

## **MDOT RESPONSIBILITIES:**

- A. Schedule and/or conduct the following:
  - 1. Project related meetings.
  - 2. Base Plan Review
  - 3. The Plan Review
  - 4. Omissions/Errors/Check
  - 5. Utility Meetings.
  - 6. Final Transport item cost estimates.
- B. Furnish pertinent reference materials.
- C. Furnish prints of an example of a similar project and old plans of the area, if available. Furnish the E.A.
- D. Obtain all permits for the project as outlined in previous section.
- E. Coordinate any necessary utility relocation.
- F. Furnish FTP site for software download and instructions for the MDOT Stand Alone Proposal Estimator's Worksheet (SAPW).

## **DELIVERABLES:**

The Consultant shall deliver all computer files associated with the project in their native format (spreadsheets, CADD files, GEOPAK files, Roadway Designer Templates etc.) on DVD, CD or uploaded to ProjectWise, as directed by the MDOT Project Manager. All CADD/GEOPAK files shall be created and identified with standard MDOT file names. It is the Consultant's responsibility to obtain up to date MicroStation and GEOPAK seed/configuration files necessary to comply with MDOT's CADD standards which are published monthly to the MDOT website. Any CADD/GEOPAK files that do not conform to MDOT standards will be returned to the Consultant for correction at the Consultant's expense.

Proposal documents shall be submitted in their native format with standard naming conventions as well as combined into one Adobe PDF file in the sequence specified by MDOT. To provide text search capabilities the combined proposal shall be created by converting native electronic files to PDF. Scanning to PDF is discouraged except in instances where it is necessary to capture a legally signed document or a hard copy version of a document is all that exists.

Plan sheets shall be printed to an Adobe PDF set in 11" x 17" format. For final Plan Turn-In, a title sheet shall be printed, signed, sealed, and then scanned for inclusion with the Adobe PDF set. The original title sheet shall be sent to the MDOT Project Manager.

At final Plan Turn-In, Reference Information Documents (RID) shall be delivered to MDOT with standard naming conventions and content. The RID files included will depend on the design

survey and work type of the project. These files range from CADD, existing terrain, proposed cross sections, 3D models and files generated for Automated Machine Guidance (AMG) and automated inspection/stakeout activities.

Stand Alone Proposal Estimator's Worksheet (SAPW) shall be used to generate the txt and csv files necessary for import into the Trns\*port bid letting software. The SAPW files shall be transmitted electronically by the method specified by the MDOT Project Manager.

The project removal, construction, and profile sheets will require a scale of **1"=80'** or as **approved by the Project Manager.**

All plans, special provisions, estimates, and other project related items shall meet all MDOT requirements and detailing practices (i.e., format, materials, symbols, patterns, and layout) or as otherwise directed by the Project Manager. All plans, specifications, and other project related items are subject to review and approval by MDOT.

## **ATTACHMENT A**

### **SCOPE OF BRIDGE WORK**

#### **JN 114377D (Military Street Bascule Bridge):**

##### **A. Structural Work:**

1. Remove HMA overlay (south span only), patch deck and replace latex overlay (north and south span).
2. Epoxy overlay (on concrete filled grid sidewalk).
3. Replace sidewalk joints (longitudinal joints in sidewalk above rack girder).
4. Sidewalk repair (NE, NW & SE quads, and longitudinal joint).
5. Penetrating Water Repellent Treatment (abutments and return walls).
6. Steel repairs (all lateral bracing and floor beam connections).
7. Steel replacement (at tail locks).
8. Clean and paint steel at rear breaks, center breaks and sidewalk breaks with epoxy based paint.
9. Full paint (all superstructure steel, LL shoes, tail locks, open gear spokes, hubs and shafts, heat exchanger equipment housing, return line connection to hose going to return filter at SW HPU, N & S accumulators (includes removal and reinstallation), piping near rear of SW cylinder, piping between HPU's & other locations on abutment).
10. Epoxy crack injection (**will provide detailed inspection report for locations**).
11. Substructure patching (N & S abutment wall, NE approach wall).
12. Replace timber dolphin (NW quadrant).
13. Replace timber fenders (25' S abutment, 50' N abutment).
14. Span balancing.
15. Maintain Navigation.
16. MIOSHA sign (counterweight pits).
17. Heating and Housing.
18. Clean out debris from the counterweight pits.

##### **B. Hydraulic Work:**

1. Replace power unit pressure hoses not conforming to the AASHTO required pressure ratings of 5000 psi working pressure and adequately support with clamps at proper spacing.
2. Replace red handles on normally open valves with green handles (4 required, 1 at each HPU) so that all shutoff valves on site follow the standard convention. Consider replacing with handles having locking devices.
3. Replace all hoses associated with drives with hoses of 5000 psi working pressure, cut to correct length and adequately supported by hose clamps. At the SE lock, route hose around electrical box where it is currently wearing on the corner of the box.
4. Adequately support all hoses from the valve manifolds to the hydraulic motors and to the brakes by hose clamps. Improve connections at the motors and brakes so these connections are not overstressed.

5. Replace rod seals at tail lock actuating cylinders. At SW lock, disassemble connection, remove corrosion found developing at rear end cap and at rear connection of the cylinder, apply paint and reassemble.
6. Replace all hoses associated with locks with hoses of 5000 psi working pressure, cut to correct length & adequately supported by hose clamps. At SE lock, route hose around electrical box where it is currently wearing on the corner of the box.
7. Replace all hoses from the HPUs to the leaves with hoses having 5000 psi ratings as required by AASHTO. Replace hoses that power hydraulic motors with hoses of at least 1" diameter in order to meet AASHTO requirements and NFPA recommendations of 15 fps max flow with fluid lines.
8. Replace hydraulic fluid in all reservoirs. Clean each reservoir & flush with new filtered fluid prior to filling reservoirs to the proper level. New filter should be used for filtering any new fluid introduced into the systems, and filters should again be replaced after the fluid has been circulated for a few cycles within the systems.
9. Replace Machinery House Enclosure (replace with enclosure similar to the Bicentennial Bascule Bridge in Benton Harbor).

### **C. Electrical Work:**

1. Replace corroded conduits and conduit clamps on North and South bascule pier walls.
2. Remove abandoned fixtures and conduits mounted on the North side pit walls.
3. Replace all traffic warning gates. Use roadway type with cast iron gear box and additional side crank, along with new gate arms.
4. Replace the programmable logic controllers (PLC). The PLC console should include terminal display.
5. All the input and output cards.

### **JN 114379D (St Clair Bascule Bridge):**

#### **A. Structural Work:**

1. Replace sidewalk joints (above sidewalk framing at all quadrants).
2. Repair spalls and delamination (at longitudinal joint, sidewalk/curb, under deck, under beam H at abut A, at rear of mass pour).
3. Temporary support for beam H at abutment A.
4. Epoxy overlay (at approach spans & concrete sidewalk).
5. Clean and paint steel at rear breaks, center breaks & sidewalk breaks with epoxy based paint.
6. Partial paint (at armor angles at longitudinal breaks, sidewalk supports, localized corrosion on bottom flange of girders, steel bearings in spans 1 & 3, under counterweights, in bascule span over channel, main cylinder & rod ends, corroded pipe support, tail locks assembly, live load supports, generator gas line).
7. Heating & Housing.
8. Steel repairs (sidewalk supports, bottom 2' of all floor beams, except for center floor beams, replace loose bolts under the deck grating).
9. Steel replacement (access hatch steel frame in SW quad).
10. Shim Live Load Bearings & Center Lock.
11. Epoxy crack injection (at abutments, parapets in pier 1, behind hydraulic anchorages).
12. Add rip-rap at abutment B.

13. Remove/replace 12"x12" timber (west side of pier 1).
14. Span Balancing.
15. Kick plate along walkway of piers.
16. Replace chain link fence along both faces of piers.
17. Replace posts, bases & handrail along both faces of piers.
18. Clean out debris from the counterweight pits.

**B. Operator's House Work:**

1. Add ballast to bare locations on roof.
2. Repair counter flashing caulk.
3. Clean up cable runs on roof.
4. Seal cracks in exterior concrete.

**C. Electrical Work:**

1. Replace all traffic warning gates.
2. Correct over-travel limit switch circuit.

**PROJECT SCHEDULE:**

The Consultant shall use the following events to prepare the proposed implementation schedule as required in the Guidelines for the Preparation of Responses on Assigned Design Services Contracts. These dates shall be used in preparing the Consultant’s Monthly Progress Reports.

MDOT  
Preconstruction Tasks  
Consultant Checklist  
P/PMS Form Only

**MDOT PRECONSTRUCTION TASKS  
CONSULTANT CHECKLIST**

Version 9

Updated  
10/15/2012

Please indicate with a check in the box next to each task number whether you believe that task will require consultant involvement on the job. Milestones (a specific event at a point in time) are italicized and underlined. See the [P/PMS Task Manual](#) for more details. Scheduling assistance may be accomplished with estimated completion dates. While not part of P/PMS, an Authorization Milestone and Post-Design Tasks have been included for your reference.

**STUDY (EARLY PRELIMINARY ENGINEERING)**

		<b>P/PMS TASK NUMBER AND DESCRIPTION</b>	<b>DATE TO BE COMPLETED BY</b> (mm/dd/yyyy)	
<b>YES</b>	<b>NO</b>	<b>CONSULTANT CONTRACT AUTHORIZATION/EXECUTION</b>	<b>/</b>	<b>/</b>
<b><u>INFORMATION GATHERING/STUDIES</u></b>				
<input type="checkbox"/>	<input type="checkbox"/>	1115 Traffic Data Collection for Studies	/	/
<input type="checkbox"/>	<input type="checkbox"/>	1120 Prepare Traffic Analysis Report for Studies	/	/
<input type="checkbox"/>	<input type="checkbox"/>	1125 Traffic Capacity Analysis for Studies	/	/
<input type="checkbox"/>	<input type="checkbox"/>	1155 Request/Perform Safety Analysis for Studies	/	/
<input type="checkbox"/>	<input type="checkbox"/>	1300 Traffic Impact Study	/	/
<input type="checkbox"/>	<input type="checkbox"/>	1350 Determine Need for Interstate Access Change Request	/	/
<input type="checkbox"/>	<input type="checkbox"/>	1400 Feasibility Study	/	/
<input type="checkbox"/>	<input type="checkbox"/>	1500 Corridor Study	/	/
<input type="checkbox"/>	<input type="checkbox"/>	1555 Interstate Access Change Request	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<i><u>155M FHWA Approval of Interstate Access Change Request</u></i>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	1600 Access Management Study Plan	/	/
<input type="checkbox"/>	<input type="checkbox"/>	1700 Other Miscellaneous Studies	/	/
<b><u>EPE SCOPING ANALYSIS</u></b>				
<input type="checkbox"/>	<input type="checkbox"/>	2100 Scope Verification and Initiation of EPE Activities	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2115 Prepare Traffic Analysis Report for EPE/Design	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<i><u>210M Program &amp; Project Review Board Concurrence</u></i>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2120 Traffic Data Collection for EPE/Design	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2125 Traffic Capacity Analysis for EPE/Design	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2130 Prepare Project Purpose and Need	/	/

<input type="checkbox"/>	<input type="checkbox"/>	<u>213M</u> <u>Concurrence by Regulatory Agencies with the Purpose and Need</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2140 Develop and Review Illustrative Alternatives	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2155 Request/Perform Safety Analysis for EPE/Design	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2160 Prepare and Review EIS Scoping Document	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>211M216M</u> <u>Public Information Meeting</u>	/	/

**EPE DRAFT ANALYSIS**

<input type="checkbox"/>	<input type="checkbox"/>	2310 Conduct Technical SEE Studies	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2311 Cultural Resources Survey	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2312 Recreational Survey – Section 4(f)/6(f)	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2313 Endangered Species Survey	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2314 Wetland Assessment	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2315 Wetland Mitigation	/	/

**MDOT PRECONSTRUCTION TASKS CONSULTANT CHECKLIST**

**STUDY (EARLY PRELIMINARY ENGINEERING) (cont'd)**

		<b>P/PMS TASK NUMBER AND DESCRIPTION</b>	<b>DATE TO BE COMPLETED BY</b>	
<b>YES</b>	<b>NO</b>		<b>(mm/dd/yyyy)</b>	
<b><u>EPE DRAFT ANALYSIS (cont'd)</u></b>				
<input type="checkbox"/>	<input type="checkbox"/>	2316 Other Technical Reports	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2321 Prepare for Aerial Photography	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2322 Finish/Print Aerial Photography	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2330 Collect EPE Geotechnical Data	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2340 Develop and Review Practical Alternatives	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>233M</u> <u>Aerial Photography Flight</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2360 Prepare and Review EA	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>231M236M</u> <u>Approval of EA by FHWA</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2370 Prepare and Review Draft EIS	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>237M</u> <u>Approval of Draft EIS by FHWA</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2380 Distribute EA	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>232M238M</u> <u>Public Hearing for EA</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2390 Distribute DEIS	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>239M</u> <u>Public Hearing for DEIS</u>	/	/
<b><u>EPE FINAL ANALYSIS</u></b>				
<input type="checkbox"/>	<input type="checkbox"/>	2510 Determine and Review Recommended Alternative	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>250M</u> <u>Concurrence by Regulatory Agencies with Recommended Alternatives</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2525 Prepare and Review Engineering Report	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2530 Prepare and Review Request for FONSI	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>252M</u> <u>Approval of FONSI by FHWA</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2540 Prepare and Review FEIS	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>254M</u> <u>Approval of FEIS by FHWA</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2550 Obtain ROD	/	/

<input type="checkbox"/>	<input type="checkbox"/>	<u>255M</u> <u>ROD Issued by FHWA</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2570 ITS Concept of Operations	/	/

**CONTAMINATION INVESTIGATION**

<input type="checkbox"/>	<input type="checkbox"/>	2810 Project Area Contamination Survey (PCS)	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2820 Preliminary Site Investigation (PSI) for Contamination	/	/

**PRELIMINARY ENGINEERING - DESIGN**

**DESIGN SCOPE VERIFICATION AND BASE PLAN PREPARATION**

<b>X</b>	<input type="checkbox"/>	3130 Verify Design Scope of Work and Cost	07/02/2013
<input type="checkbox"/>	<input type="checkbox"/>	3310 Prepare Aerial Topographic Mapping	/ /
<input type="checkbox"/>	<input type="checkbox"/>	3320 Conduct Photogrammetric Control Survey	/ /
<input type="checkbox"/>	<input type="checkbox"/>	3321 Set Aerial Photo Targets	/ /
<input type="checkbox"/>	<input type="checkbox"/>	3325 Geotechnical Structure Site Characterization	/ /

**MDOT PRECONSTRUCTION TASKS CONSULTANT CHECKLIST**

**PRELIMINARY ENGINEERING - DESIGN (cont'd)**

		<b>P/PMS TASK NUMBER AND DESCRIPTION</b>	<b>DATE TO BE COMPLETED BY</b> (mm/dd/yyyy)	
<b>YES</b>	<b>NO</b>			
		<b><u>DESIGN SCOPE VERIFICATION AND BASE PLAN PREPARATION (cont'd)</u></b>		
<input type="checkbox"/>	<input type="checkbox"/>	3330 Conduct Design Survey	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3340 Conduct Structure Survey	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3350 Conduct Hydraulics Survey	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3360 Prepare Base Plans	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>311M</u> <u>Utility Notification</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3361 Review and Submit Preliminary ROW Plans	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>331M</u> <u>Preliminary ROW Plans Distributed</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3365 Pre-Conceptual ITS Design and Meeting	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3370 Prepare Structure Study	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3375 Conduct Value Engineering Study	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3380 Review Base Plans	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>332M</u> <u>Base Plan Review (Pre-GI Inspection)</u>	/	/
	<input type="checkbox"/>	3390 Develop the Maintaining Traffic Concepts	11/06/2013	
		<b><u>PRELIMINARY PLANS PREPARATION</u></b>		
<input type="checkbox"/>	<input type="checkbox"/>	3500 Develop Transportation Management Plan	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3510 Perform Roadway Geotechnical Investigation	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3520 Conduct Hydraulic/Hydrologic and Scour Analysis	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3522 Conduct Drainage Study, Storm Sewer Design, and use	/	/

		Structural Best Management Practices		
<input type="checkbox"/>	<input type="checkbox"/>	3530 Geotechnical Foundation Engineering Report	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3535 Conduct Str. Review for Arch. & Aesthetic Improvements	/	/
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3540 Develop the Maintaining Traffic Plan	10/17/2013	
<input type="checkbox"/>	<input type="checkbox"/>	3551 Prepare/Review Preliminary Traffic Signal Design Plan	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3552 Develop Preliminary Pavement Marking Plan	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3553 Develop Preliminary Non-Freeway Signing Plan	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3554 Develop Preliminary Freeway Signing Plan	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3555 Prepare/Review Preliminary Traffic Signal Operations	/	/
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3570 Prepare Preliminary Structure Plans	10/17/2013	
<input type="checkbox"/>	<input type="checkbox"/>	3580 Develop Preliminary Plans	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3581 Review and Submit Final ROW Plans	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>351M Final ROW Plans Distributed</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3585 Final ITS Concept Design and Meeting	/	/
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3590 Review Preliminary Plans (Hold Plan Review Meeting)	12/03/2013	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>352M THE Plan Review (Grade Inspection)</u>	11/15/2013	
<input type="checkbox"/>	<input type="checkbox"/>	3595 Conduct ITS Structure Foundation Investigation	/	/
		<b><u>UTILITIES</u></b>		
<input type="checkbox"/>	<input type="checkbox"/>	3610 Compile Utility Information	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3615 Compile ITS Utility Information	/	/

## MDOT PRECONSTRUCTION TASKS CONSULTANT CHECKLIST

### PRELIMINARY ENGINEERING - DESIGN (cont'd)

		P/PMS TASK NUMBER AND DESCRIPTION	DATE TO BE COMPLETED BY (mm/dd/yyyy)	
YES	NO			
		<b><u>UTILITIES (cont'd)</u></b>		
<input type="checkbox"/>	<input type="checkbox"/>	3650 Coordinate RR Involvement for Grade Separations	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3655 Coordinate RR Involvement for At-Grade Crossings	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3660 Resolve Utility Issues	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>360M Utility Conflict Resolution Plan Distribution</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>361M Utility Meeting</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3670 Develop Municipal Utility Plans	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3672 Develop Special Drainage Structures Plans	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3675 Develop Electrical Plans	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3680 Preliminary ITS Communication Analysis	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3690 Power Design (Power Drop in Field)	/	/
		<b><u>MITIGATION/PERMITS</u></b>		
<input type="checkbox"/>	<input type="checkbox"/>	3710 Develop Required Mitigation	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3720 Assemble Environmental Permit Applications	/	/

<input type="checkbox"/>	<input type="checkbox"/>	3730 Obtain Environmental Permit	/	/
<b><u>FINAL PLAN PREPARATION</u></b>				
<input type="checkbox"/>	<input type="checkbox"/>	3815 Geotechnical Structure Design Review	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3821 Prepare/Review Final Traffic Signal Design Plan	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3822 Complete Permanent Pavement Marking Plan	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3823 Complete Non-Freeway Signing Plan	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3824 Complete Freeway Signing Plan	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3825 Prepare/Review Final Traffic Signal Operations	/	/
<b>X</b>	<input type="checkbox"/>	3830 Complete the Maintaining Traffic Plan	04/16/2014	
<input type="checkbox"/>	<input type="checkbox"/>	3840 Develop Final Plans and Specifications	/	/
<b>X</b>	<input type="checkbox"/>	<u>380M Plan Completion</u>	04/17/2014	
<b>X</b>	<input type="checkbox"/>	3850 Develop Structure Final Plans and Specifications	04/17/2014	
<b>X</b>	<input type="checkbox"/>	3870 Hold Omissions/Errors Check (OEC) Meeting	05/08/2014	
<b>X</b>	<input type="checkbox"/>	<u>387M Omissions/Errors Checks Meeting</u>	05/01/2014	
	<input type="checkbox"/>	<u>389M Plan Turn-In</u>		
<input type="checkbox"/>	<input type="checkbox"/>	3880 CPM Quality Assurance Review	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3890 Final ITS Communication Analysis	/	/

**PRELIMINARY ENGINEERING – RIGHT OF WAY**

<b><u>EARLY RIGHT OF WAY WORK</u></b>				
<input type="checkbox"/>	<input type="checkbox"/>	4120 Obtain Preliminary Title Commitments	/	/
<input type="checkbox"/>	<input type="checkbox"/>	4130 Prepare Marked Final Right Of Way Plans	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>413M Approved Marked Final ROW</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	4140 Prepare Property Legal Instruments	/	/

**MDOT PRECONSTRUCTION TASKS CONSULTANT CHECKLIST**

**PRELIMINARY ENGINEERING – RIGHT OF WAY (cont'd)**

		<b>P/PMS TASK NUMBER AND DESCRIPTION</b>	<b>DATE TO BE COMPLETED BY</b>	
<b>YES</b>	<b>NO</b>		<b>(mm/dd/yyyy)</b>	
<b><u>ROW ACQUISITION</u></b>				
<input type="checkbox"/>	<input type="checkbox"/>	4411 Preliminary Interviews	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>441M Post-Decision Meeting</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	4412 Real Estate Services Assignment Proposal and Fee Estimate (Form 633s) for Appraisal Work Authorization	/	/
<input type="checkbox"/>	<input type="checkbox"/>	4413 Appraisal Reports	/	/
<b><u>ROW ACQUISITION (cont'd)</u></b>				
<input type="checkbox"/>	<input type="checkbox"/>	4420 Appraisal Review Reports	/	/
<input type="checkbox"/>	<input type="checkbox"/>	4430 Acquire Right Of Way Parcels	/	/

<input type="checkbox"/>	<input type="checkbox"/>	4510	Conduct Right Of Way Survey & Staking	/	/
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**ROW RELOCATION**

<input type="checkbox"/>	<input type="checkbox"/>	4710	Relocation Assistance	/	/
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<input type="checkbox"/>	<input type="checkbox"/>	4720	Prepare Improvement Removal Plan	/	/
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<input type="checkbox"/>	<input type="checkbox"/>	<u>442M</u>	<u>ROW Certification</u>	/	/
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**POST LETTING/AWARD TASKS (for reference only)**

		<b>P/PMS TASK NUMBER AND DESCRIPTION</b>		<b>DATE TO BE COMPLETED BY</b>	
<b>YES</b>	<b>NO</b>			<b>(mm/dd/yyyy)</b>	
<input type="checkbox"/>	<input type="checkbox"/>	4810	Complete Acquisition Process	/	/
<input type="checkbox"/>	<input type="checkbox"/>	4820	Manage Excess Real Estate	/	/
<input type="checkbox"/>	<input type="checkbox"/>	4830	Provide Post-Certification Relocation Assistance	/	/
<input type="checkbox"/>	<input type="checkbox"/>	4910	Conduct ROW Monumentation	/	/
<input type="checkbox"/>	<input type="checkbox"/>	5010	Construction Phase Engineering and Assistance	/	/
<input type="checkbox"/>	<input type="checkbox"/>	5020	Prepare As-Built Drawings	/	/

**FOR YOUR INFORMATION**

For questions on specific tasks, refer to the P/PMS Task Manual located on the MDOT Bulletin Board System.

For assistance in accessing this manual, please contact:

**Dennis Kelley: (517) 373-4614**

**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.

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.