

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

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			<b>CONSULTANT:</b> Provide only checked items below in proposal	
Check the appropriate Tier in the box below				
<b>TIER I (\$25,000-\$99,999)</b>	<b>TIER II (\$100,000-\$250,000)</b>	<b>TIER III (&gt;\$250,000)</b>		
			Understanding of Service	
			<i>Innovations</i>	
			<i>Safety Program</i>	
N/A			Organizational Chart	
			Qualifications of Team	
			Past Performance	
Not required As part of Official RFP	Not required As part of Official RFP		Quality Assurance/Quality Control	
			<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		Presentation	
N/A	N/A		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)	<b>Total maximum pages for RFP 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. **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 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

**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.)**

**Michigan Department of Transportation**

**SCOPE OF SERVICE  
FOR  
DESIGN SERVICES**

**CONTROL SECTION(S):** 44011, 44012

**JOB NUMBER(S):** 48945C

**PROJECT LOCATION:**

The project is located on M-24 from South of I-69 to Nepessing Street, approximately 2 miles. These limits are within the city of Lapeer and Lapeer Township in Lapeer County.

**PROJECT DESCRIPTION:**

Work involved in the design of the project consists of HMA reconstruct, curb and gutter, watermain replacement, storm sewer improvements, sidewalk upgrades, signal upgrades and access management.

**ANTICIPATED SERVICE START DATE:** May 4, 2012

**ANTICIPATED SERVICE COMPLETION DATE:** April 1, 2013

**PRIMARY PREQUALIFICATION CLASSIFICATION(S):**

Roadway Rehabilitation & Rural Freeways

**SECONDARY PREQUALIFICATION CLASSIFICATION(S):**

Municipal Utilities  
Utility Coordination  
Maintaining Traffic Plans and Provisions  
Pavement Marking Plans  
Traffic Signal Design

**DBE REQUIREMENT:** 7%

**MDOT PROJECT ENGINEER MANAGER:**

Jackie Pethers, PE  
Cost & Scheduling Engineer  
MDOT Davison TSC  
9495 E. Potter Road  
Davison, MI 48423  
(810) 653-7470  
[pethersj@michigan.gov](mailto:pethersj@michigan.gov)

**CONSTRUCTION COST:**

A. The estimated cost of construction is:

1.	<b>Mainline Pavement</b>	<b>\$ 7,685,000</b>
2.	<b>Drainage</b>	<b>\$ 1,000,000</b>
3.	<b>Maintaining Traffic</b>	<b>\$ 1,500,000</b>
4.	<b>Permanent Pavement Markings/Signs/Signals</b>	<b>\$ 250,000</b>
	<b>CONSTRUCTION TOTAL</b>	<b>\$ 10,435,000</b>

B. The estimated cost of real estate is: \$ undetermined

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., Road Design Manual, Standard Plans, Drainage Manual, Roadside Design Guide, A Policy on Geometric Design of Highways and Streets, Michigan Manual of Uniform Traffic Control Devices, etc.).

NOTE: A process change mandated by federal audit of MDOT’s design process puts the Omissions and Errors Check Meeting after the Plan Completion. Please keep this in mind when preparing your schedule. See MDOT Road Design Manual, Chapter 14 – Procedures – Section 14.54 for corroboration. See “For Your Information” contacts at the end of this document for more info or questions.

Consultant is required to use MDOT’s current 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:**

This project is to be packaged with JN 85283, M-24 over Farmers Creek, and potentially a Non-Motorized Path culvert adjacent to Farmers Creek, dependent on approval of enhancement grant. Both of these culverts will be designed by MDOT.

This project shall be coordinated with the CN railroad crossing replacement within the project limits.

## **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.

- A. Prepare required plans, typical cross-sections, details, and specifications required for design and construction including municipal utility and traffic signal design plans.
- B. Compute and verify all plan quantities. Stand-Alone Estimator's Worksheet (SAPW) shall be used to generate a bid item quantity database.
- C. Prepare staging plans and special provisions for maintaining traffic during construction.
- D. Prepare Right-of-Way plans as required, to location, verify, and purchase real estate and/or obtain construction access permits for this project.
- E. Provide solutions to any unique problems that may arise during the design of this project.
- F. 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.
- G. 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.
- H. If excavation is required, submit the excavation locations which may contain contamination. Project Manager then can proceed in requesting a Preliminary Project Assessment (PPA).
- I. The Consultant shall be required to prepare and submit a CPM network for the construction of this project.

J. The Consultant representative shall record and submit type-written minutes for all project related meetings to the MDOT Project Manager within one (1) week of the meeting.

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. MDOT is to receive copies of minutes, record of conversations or memos documenting all contacts.

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. Consultant will be required to provide displays and/or photo renderings.

N. The Consultant will be required to attend a Pre-Priced Proposal Meeting to discuss the project requirements and schedule.

O. 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.

P. 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.

Q. 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. The Consultant will be responsible for miscellaneous staking of utilities.

## **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). Any questions regarding MDOT permits should be directed to:

Steve Gasser  
Materials & Permits Tech  
Davison TSC  
9495 E. Potter Rd  
Davison, MI 48423  
Phone: (810) 653-7470  
Email: [gassers@michigan.gov](mailto:gassers@michigan.gov)

## **MONTHLY PROGRESS REPORT**

**On the first Monday of each month**, the Consultant Project Manager shall submit a monthly project progress report to the MDOT Project Manager via email.

## **DELIVERABLES**

The Consultant shall deliver all computer files associated with the project in their native format (spreadsheets, CADD files, GEOPAK files, 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 as shown in Appendix A of the Road Design Manual. 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 posted to the bulletin board system. When the use of GEOPAK road design software is necessary to develop plans all pay items shall be placed into the CADD file using GEOPAK's Design and Computation Manager so that Quantity Manager can be used to transfer pay item information to SAPW/Trns\*port. 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 capturing a legally signed document or a hard copy version of a document is all that exists.

Plan files shall be submitted in their native dgn format with standard naming conventions as well as plotted into a combined Adobe PDF file. Plan sheets shall be plotted to Adobe PDF with full text search and level on/off capabilities in half size (11" x 17") formats. A full size title sheet shall be plotted stamped and signed then scanned for inclusion with the Adobe PDF set. The original title sheet will be sent to the MDOT Project Manager.

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 construction, removal and profile sheets will require a ratio (scale) of **1:40 (English Units) or as directed by the Project Manager.**

Other plan sheets that are required for this project shall be completed by the Consultant. These include, but are not limited to the following plan sheets:

- A. Title Sheet
- B. Note Sheet
- C. Typical Cross-Sections
- D. Project specific Special Details
- E. Railroad Approach Detail Sheet(s)
- F. Farmers Creek Approach Detail Sheet(s)
- G. Removal Sheets
- H. Construction Sheets
- I. Profile Sheets
- J. Traffic Signal Sheets
- K. Watermain Sheets
- L. Construction staging and traffic control plans
- M. Detail grade sheets for critical areas
- N. Pavement marking plan(s)
- O. Witness and benchmark sheet(s)

I. Soil boring log sheet(s)

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.

**MDOT RESPONSIBILITIES:**

- A. The MDOT Project Manager will schedule and/or conduct all project related meetings.
- B. Furnish design survey.
- C. Furnish Special Details and pertinent reference materials.
- D. Furnish As-built plans of project area, as available.
- E. Information on existing pavement structure, as available.
- F. Furnish pavement design.
- G. Furnish traffic data.
- H. Furnish safety analysis.
- I. Furnish mobility analysis.
- J. Submit final plans and proposal in E-proposal format in ProjectWise using files provided by the consultant.
- K. Distribute and receive requests for utility information and coordinate all necessary utility relocations.
- L. Obtain all permits for the project as outlined in previous section.
- M. Provide coordination assistance with
  - i. Project Stakeholders
  - ii. FHWA
  - iii. Other MDOT divisions

**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

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)

		P/PMS TASK NUMBER AND DESCRIPTION	DATE TO BE COMPLETED BY (mm/dd/yyyy)	
YES	NO	CONSULTANT CONTRACT AUTHORIZATION/EXECUTION	5/4/12	
<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"/>	<i><u>210M Program &amp; Project Review Board Concurrence</u></i>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2115 Traffic Data Collection	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2120 Prepare Traffic Analysis Report	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2125 Traffic Capacity Analysis	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2130 Prepare Project Justification	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<i><u>213M Concurrence by Regulatory Agencies with the Purpose and Need</u></i>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2140 Develop and Review Illustrative Alternatives	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2155 Request/Perform Safety Analysis	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2160 Prepare and Review EIS Scoping Document	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<i><u>211M Public Information Meeting</u></i>	/	/
<b><u>EPE DRAFT ANALYSIS</u></b>				
<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	/	/
<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"/>	<i><u>233M Aerial Photography Flight</u></i>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2360 Prepare and Review EA	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<i><u>231M Approval of EA by FHWA</u></i>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2370 Prepare and Review Draft EIS	/	/

<input type="checkbox"/>	<input type="checkbox"/>	<u>237M Approval of Draft EIS by FHWA</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2380 Distribute EA	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>232M Public Hearing for EA</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2390 Distribute DEIS	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>239M Public Hearing for DEIS</u>	/	/

**EPE FINAL ANALYSIS**

<input type="checkbox"/>	<input type="checkbox"/>	2510 Determine and Review Recommended Alternative	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>250M 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 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 Approval of FEIS by FHWA</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	2550 Obtain ROD	/	/
<input type="checkbox"/>	<input type="checkbox"/>	<u>255M 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**

<input type="checkbox"/>	<input type="checkbox"/>	3130 Verify Design Scope of Work and Cost	/	/
<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"/>	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 Utility Notification</u>	/	/
<b>X</b>	<input type="checkbox"/>	3361 Review and Submit Preliminary ROW Plans	5/25/2012	
<input type="checkbox"/>	<input type="checkbox"/>	<u>331M 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 Base Plan Review (Pre-GI Inspection)</u>	/	/
<input type="checkbox"/>	<input type="checkbox"/>	3390 Develop the Maintaining Traffic Concepts	/	/

**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>PRELIMINARY PLANS PREPARATION</u></b>			
<input type="checkbox"/>	<input type="checkbox"/>	3510 Perform Roadway Geotechnical Investigation	/ /
<input type="checkbox"/>	<input type="checkbox"/>	3520 Conduct Hydraulic/Hydrologic and Scour Analysis	/ /
<b>X</b>	<input type="checkbox"/>	3522 Conduct Drainage Study, Storm Sewer Design, and use Structural Best Management Practices	6/20/2012
<input type="checkbox"/>	<input type="checkbox"/>	3530 Conduct Structure Foundation Investigation	/ /
<input type="checkbox"/>	<input type="checkbox"/>	3535 Conduct Structure Review for Architectural and Aesthetic Improvements	/ /
<b>X</b>	<input type="checkbox"/>	3540 Develop the Maintaining Traffic Plan	6/20/2012
<b>X</b>	<input type="checkbox"/>	3551 Prepare/Review Preliminary Traffic Signal Design Plan	6/20/2012
<b>X</b>	<input type="checkbox"/>	3552 Develop Preliminary Pavement Marking Plan	6/20/2012
<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 type="checkbox"/>	<input type="checkbox"/>	3570 Prepare Preliminary Structure Plans	/ /
<b>X</b>	<input type="checkbox"/>	3580 Develop Preliminary Plans	6/20/2012
<b>X</b>	<input type="checkbox"/>	3581 Review and Submit Final ROW Plans	6/20/2012
<b>X</b>	<input type="checkbox"/>	<u>351M Final ROW Plans Distributed</u>	6/20/2012
<input type="checkbox"/>	<input type="checkbox"/>	3585 Final ITS Concept Design and Meeting	/ /
<input type="checkbox"/>	<input type="checkbox"/>	3590 Review Preliminary Plans (Hold Plan Review Meeting)	/ /
<b>X</b>	<input type="checkbox"/>	<u>352M THE Plan Review (Grade Inspection)</u>	7/20/2012
<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	/ /
<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	/ /
<b>X</b>	<input type="checkbox"/>	3660 Resolve Utility Issues	9/20/2012
<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>	/ /
<b>X</b>	<input type="checkbox"/>	3670 Develop Municipal Utility Plans	9/20/2012
<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	/ /

## PRELIMINARY ENGINEERING - DESIGN (cont'd)

		P/PMS TASK NUMBER AND DESCRIPTION	DATE TO BE COMPLETED BY (mm/dd/yyyy)
YES	NO		
<b><u>FINAL PLAN PREPARATION</u></b>			
X	<input type="checkbox"/>	3821 Prepare/Review Final Traffic Signal Design Plan	9/20/2012
X	<input type="checkbox"/>	3822 Complete Permanent Pavement Marking Plan	9/20/2012
<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	/ /
X	<input type="checkbox"/>	3830 Complete the Maintaining Traffic Plan	9/20/2012
X	<input type="checkbox"/>	3840 Develop Final Plans and Specifications	9/20/2012
X	<input type="checkbox"/>	<u>380M Plan Completion</u>	10/5/2012
<input type="checkbox"/>	<input type="checkbox"/>	3850 Develop Structure Final Plans and Specifications	/ /
X	<input type="checkbox"/>	3870 Omissions/Errors Check (OEC) Plan Review	10/24/2012
X	<input type="checkbox"/>	<u>387M Omissions/Errors Checks Meeting</u>	10/24/2012
X	<input type="checkbox"/>	<u>389M Plan Turn-In</u>	11/9/2012
<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	/ /
<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	/ /
<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	/ /
<b><u>ROW RELOCATION</u></b>			
<input type="checkbox"/>	<input type="checkbox"/>	4710 Relocation Assistance	/ /
<input type="checkbox"/>	<input type="checkbox"/>	4720 Prepare Improvement Removal Plan	/ /
<input type="checkbox"/>	<input type="checkbox"/>	<u>442M ROW Certification</u>	/ /

**POST LETTING/AWARD TASKS (for reference only)**

		<b>P/PMS TASK NUMBER AND DESCRIPTION</b>		<b>DATE TO BE COMPLETED BY</b> (mm/dd/yyyy)	
<b>YES</b>	<b>NO</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 one of following:

**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.