

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

| | | | | |
|---|--|---|---|----------------------|
| MDOT PROJECT MANAGER | | | JOB NUMBER (JN) | CONTROL SECTION (CS) |
| DESCRIPTION | | | | |
| MDOT PROJECT MANAGER: Check all items to be included in RFP WHITE = REQUIRED GRAY SHADING = OPTIONAL | | | CONSULTANT: Provide only checked items below in proposal | |
| Check the appropriate Tier in the box below | | | | |
| TIER I (\$25,000-\$99,999) | TIER II (\$100,000-\$250,000) | TIER III (>\$250,000) | | |
| | | | 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 | |
| | | | Location: 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) (No Resumes) | 7 pages (MDOT Forms not counted) | 19 pages (MDOT Forms not counted) | Total maximum pages for RFP not including key personnel resumes | |

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 Required with Proposal)**

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 |
|---|-----------------------|----------|

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.

| Lansing Regular Mail | OR | Lansing Overnight Mail |
|---|----|--|
| 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

The following two American Recovery and Reinvestment Act of 2009 (ARRA) notifications, **ARRA MONTHLY EMPLOYMENT REPORTS** and **REQUIRED CONTRACT PROVISIONS TO IMPLEMENT AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) SECTIONS 902 AND 1515**, are attached to this Request For Proposal for your understanding. These two notifications are only applicable for those projects/contracts funded with ARRA funds and will be included in contract Exhibits.

MDOT FORMS REQUIRED AS PART OF PROPOSAL SUBMISSION

- 5100D** – Request for Proposal Cover Sheet
- 5100G** – Certification of Availability of Key Personnel
- 5100I** – Conflict of Interest Statement
- 5100J** - Consultant Data and Signature Sheet (Required only for Non-Prequalified Work)

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

PROJECT DESCRIPTION:

Work involved in the design of the project consists of the design of roadway cold milling and 2 course hot mix asphalt resurfacing, concrete pavement restoration on outside lanes of M-52, intermittent curb & gutter replacement, minor drainage improvements, box culvert replacement, ADA compliant sidewalk ramp upgrades, pavement marking plans, permanent non-freeway signing plans, traffic signal plans. The scope of work for this project will be verified at a scope verification meeting with MDOT, the city of Owosso, Shiawassee County Road Commission and the selected Consultant following the vendor selection but prior to the submittal of the hour and cost proposal.

ANTICIPATED SERVICE START DATE: 07/07/2011

ANTICIPATED SERVICE COMPLETION DATE: 12/31/2012

PRIMARY PREQUALIFICATION CLASSIFICATION(S):

Roads & Streets

SECONDARY PREQUALIFICATION CLASSIFICATION(S):

Maintaining Traffic Plans & Provisions
Pavement Marking Plans
Traffic Capacity Analysis and Geometric Studies
Traffic Signal Design
Permanent Non-Freeway Traffic Signing Plans
Geotechnical Engineering Services
Hydraulics
Hydraulic Surveys
Road Design Surveys
Right-of-Way Surveys

DBE REQUIREMENT: 10%

MDOT PROJECT ENGINEER MANAGER:

Name: Erin Chelotti
Address: Michigan Department of Transportation
Lansing Transportation Service Center
3101 Technology Drive, Suite H
Lansing, Michigan 48910
Phone Number: (517) 324-2273
Fax Number: (517) 324-0294
E-mail: chelottie@michigan.gov

CONSTRUCTION COST:

A. The estimated cost of construction is:

| | | |
|----|--|----------------------------|
| 1. | Mainline Pavement | \$ 3,895,818 |
| 2. | Drainage | \$ 243,000 |
| 3. | Safety | \$ 111,000 |
| 4. | Maintaining Traffic | \$ 386,000 |
| 5. | Permanent Pavement Markings/Signs/Signals | \$ 111,000 |
| 6. | Miscellaneous/Mobilization | <u>\$ 1,450,000</u> |
| | CONSTRUCTION TOTAL | \$ 6,181,818 |

B. The estimated cost of real estate is: \$ 100,000

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.

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. Perform design pick-up survey. See **Attachment A** for details.
- B. Prepare required plans, typical cross-sections, details, and specifications required for design and construction.
- C. Compute and verify all plan quantities.
- D. Evaluate the project for potential mobility impacts per the MDOT Work Zone Safety and Mobility Policy and develop the Transportation management plan (TMP), including Temporary Traffic Control Plan (detour plan, staging typical cross sections, plans and special provision for maintaining traffic), Transportation Operations Plan, and Public Information Plan as required.
- E. Prepare Right-Of-Way plans as required to obtain the necessary permits and rights-of-way for construction.
- F. Review existing and proposed geometric elements and determine conformance with current guidelines. Prepare design exceptions for proposed geometric elements not conforming to current guidelines.
- G. Perform a pavement condition survey and provide recommendations for joint & crack repairs and full depth concrete repairs
- H. Obtain pavement cores to verify existing HMA thickness and obtain soil borings. Perform geotechnical analysis and provide foundation recommendations for box culvert replacement.
- I. Prepare and submit documentation justifying technical infeasibility for any proposed sidewalk ramp areas not conforming to current guidelines
- J. Perform hydrologic and hydraulic analysis for the replacement of the existing Hurrell/Kelly Drain box culvert.
- K. If necessary, prepare traffic signal plans and special provisions for temporary and permanent modifications. Temporary modifications may be needed for maintaining traffic/construction staging. Permanent

modifications may be needed to address pedestrian ADA accessibility requirements as well as loop replacements.

- L. Prepare permanent non-freeway signing plans to fully upgrade all signs along M-52 and M-21 along with the necessary specifications .
- M. Prepare permanent pavement marking plans as needed for areas with unique markings and other areas that are not generally covered by the MDOT pavement marking typical plans.
- N. Provide solutions to any unique problems that may arise during the design of this project.
- O. 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.
- P. 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.
- Q. If excavation is required, submit the excavation locations which may contain contamination. Project Manager then can proceed in requesting a Preliminary Project Assessment (PPA).
- R. The Consultant shall be required to prepare and submit a CPM network (in Microsoft Project file format)for the construction of this project.
- S. 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.
- T. The Consultant will provide to MDOT at the scheduled submittal dates, electronic files, in Adobe PDF format, of the required specifications and plan set materials for distribution by MDOT for all reviews for this project.
- U. 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.
- V. Attend any project-related meetings as directed by the MDOT Project Manager.

- W. 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.
- X. 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.
- Y. 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.
- Z. 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

MDOT will resolve any utility conflicts

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). 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. The Plan Review
 - 3. Utility Meetings
 - 4. The Omissions/Errors Checks Meeting
 - 5. Quantity summary sheets and final item cost estimates
 - 6. Packaging of plans and proposal
- B. Furnish Design Survey. See **Attachment A** for details.
- C. Detailed scoping document for the project.
- D. Furnish Special Details and pertinent reference materials.
- E. Furnish prints of an example of a similar project and old plans of the area, if available.
- F. Obtain all permits for the project as outlined in previous section.
- G. 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, 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 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)**.

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. The title sheet. MDOT will provide a map of the area on a disk in our workstation format. If the map is not available, MDOT will provide a map that could be used. The Consultant shall be responsible for any revisions to the title sheet and the title sheet and map shall meet MDOT format and layout guidelines.
- B. Project Information Sheet.
- C. Note Sheet.
- D. Miscellaneous Quantities and Estimate Sheet.
- E. Typical Cross-Sections.
- F. Project specific Special Details.
- G. Standard Legend Sheet (MDOT will provide).
- H. Construction staging and traffic control plans.
- I. Detail grade sheets for critical areas.
- J. Traffic Signal Plans.
- K. Pavement marking plans.
- L. Permanent Signing Plans.

- M. Witness and benchmark sheets.
- N. Soil boring log sheets.
- O. Box Culvert plans.

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.

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.

STUDY (EARLY PRELIMINARY ENGINEERING)

| | | P/PMS TASK NUMBER AND DESCRIPTION | DATE TO BE COMPLETED BY (mm/dd/yyyy) |
|--------------------------|----|--|---|
| YES | NO | | |
| | | <u>EPE SCOPING ANALYSIS</u> | |
| <input type="checkbox"/> | X | 2120 Prepare Traffic Analysis Report | _/_/____ |
| <input type="checkbox"/> | X | 2130 Prepare Project Justification | _/_/____ |
| <input type="checkbox"/> | X | <i><u>213M</u></i> <i>Concurrence by Regulatory Agencies with the Purpose and Need</i> | _/_/____ |
| <input type="checkbox"/> | X | 2140 Develop and Review Illustrative Alternatives | _/_/____ |
| <input type="checkbox"/> | X | 2155 Request/Perform Safety Analysis | _/_/____ |
| <input type="checkbox"/> | X | 2160 Prepare and Review EIS Scoping Document | _/_/____ |
| <input type="checkbox"/> | X | <i><u>211M</u></i> <i>Public Information Meeting</i> | _/_/____ |
| | | | |
| | | <u>EPE DRAFT ANALYSIS</u> | |
| <input type="checkbox"/> | X | 2310 Conduct Technical SEE Studies | _/_/____ |
| <input type="checkbox"/> | X | 2321 Prepare for Aerial Photography | _/_/____ |
| <input type="checkbox"/> | X | 2322 Finish/Print Aerial Photography | _/_/____ |
| <input type="checkbox"/> | X | 2330 Collect EPE Geotechnical Data | _/_/____ |
| <input type="checkbox"/> | X | 2340 Develop and Review Practical Alternatives | _/_/____ |
| <input type="checkbox"/> | X | <i><u>233M</u></i> <i>Aerial Photography Flight</i> | _/_/____ |
| <input type="checkbox"/> | X | 2360 Prepare and Review EA or DEIS | _/_/____ |
| <input type="checkbox"/> | X | <i><u>231M</u></i> <i>Draft Submission to FHWA</i> | _/_/____ |
| <input type="checkbox"/> | X | 2380 Circulate EA or DEIS | _/_/____ |
| <input type="checkbox"/> | X | <i><u>232M</u></i> <i>Public Hearing</i> | _/_/____ |
| | | | |
| | | <u>EPE FINAL ANALYSIS</u> | |
| <input type="checkbox"/> | X | 2510 Determine and Review Recommended Alternative | _/_/____ |
| <input type="checkbox"/> | X | <i><u>250M</u></i> <i>Concurrence by Regulatory Agencies with Recommended Alternatives</i> | _/_/____ |
| <input type="checkbox"/> | X | 2525 Prepare and Review Engineering Report | _/_/____ |
| <input type="checkbox"/> | X | 2530 Prepare and Review Request for FONSI or FEIS | _/_/____ |
| <input type="checkbox"/> | X | <i><u>252M</u></i> <i>Final Submission to FHWA</i> | _/_/____ |
| <input type="checkbox"/> | X | 2550 Obtain FONSI or ROD | _/_/____ |
| | | | |
| | | <u>CONTAMINATION INVESTIGATION</u> | |
| <input type="checkbox"/> | X | 2810 Project Area Contamination Survey (PCS) | _/_/____ |

| | | | | |
|--------------------------|---|------|--|----------|
| <input type="checkbox"/> | X | 2820 | Preliminary Site Investigation (PSI) for Contamination | __/__/__ |
|--------------------------|---|------|--|----------|

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|--|
| MDOT PRECONSTRUCTION TASKS CONSULTANT CHECKLIST |
|--|

PRELIMINARY ENGINEERING - DESIGN

| | | P/PMS TASK NUMBER AND DESCRIPTION | DATE TO BE COMPLETED BY (mm/dd/yyyy) |
|--------------------------|--------------------------|---|---|
| YES | NO | | |
| | | <u>DESIGN SCOPE VERIFICATION AND BASE PLAN PREPARATION</u> | |
| X | <input type="checkbox"/> | 3130 Verify Design Scope of Work and Cost | 7/14/2011 |
| <input type="checkbox"/> | X | 3310 Prepare Aerial Topographic Mapping | __/__/__ |
| <input type="checkbox"/> | X | 3320 Conduct Photogrammetric Control Survey | __/__/__ |
| <input type="checkbox"/> | X | 3321 Set Aerial Photo Targets | __/__/__ |
| X | <input type="checkbox"/> | 3330 Conduct Design Survey | 9/7/2011 |
| <input type="checkbox"/> | X | 3340 Conduct Structure Survey | __/__/__ |
| X | <input type="checkbox"/> | 3350 Conduct Hydraulics Survey | 10/20/2011 |
| X | <input type="checkbox"/> | 3360 Prepare Base Plans | 9/07/2011 |
| <input type="checkbox"/> | X | <i>331M Utility Notification</i> | __/__/__ |
| X | <input type="checkbox"/> | 3361 Review and Submit Preliminary ROW Plans | 9/07/2011 |
| X | <input type="checkbox"/> | <i>331M Preliminary ROW Plans Distributed</i> | 9/07/2011 |
| <input type="checkbox"/> | X | 3370 Prepare Structure Study | __/__/__ |
| <input type="checkbox"/> | X | 3375 Conduct Value Engineering Study | __/__/__ |
| X | <input type="checkbox"/> | 3380 Review Base Plans | 9/28/2011 |
| X | <input type="checkbox"/> | <i>332M Base Plan Review (Pre-GI Inspection)</i> | 9/28/2011 |
| <input type="checkbox"/> | X | 3390 Develop the Maintaining Traffic Concepts | __/__/__ |
| | | | |
| | | <u>PRELIMINARY PLANS PREPARATION</u> | |
| X | <input type="checkbox"/> | 3510 Perform Roadway Geotechnical Investigation | 11/17/2011 |
| X | <input type="checkbox"/> | 3520 Conduct Hydraulic/Hydrologic and Scour Analysis | 11/17/2011 |
| <input type="checkbox"/> | X | 3522 Conduct Drainage Study, Storm Sewer Design, and use Structural Best Management Practices | __/__/__ |
| <input type="checkbox"/> | X | 3530 Conduct Structure Foundation Investigation | __/__/__ |
| <input type="checkbox"/> | X | 3535 Conduct Structure Review for Architectural and Aesthetic Improvements | __/__/__ |
| X | <input type="checkbox"/> | 3540 Develop the Maintaining Traffic Plan | 1/10/2012 |
| X | <input type="checkbox"/> | 3551 Prepare/Review Preliminary Traffic Signal Design Plan | 1/10/2012 |
| X | <input type="checkbox"/> | 3552 Develop Preliminary Pavement Marking Plan | 1/10/2012 |
| X | <input type="checkbox"/> | 3553 Develop Preliminary Non-Freeway Signing Plan | 1/10/2012 |
| <input type="checkbox"/> | X | 3554 Develop Preliminary Freeway Signing Plan | __/__/__ |
| <input type="checkbox"/> | X | 3555 Prepare/Review Preliminary Traffic Signal Operations | __/__/__ |
| <input type="checkbox"/> | X | 3570 Prepare Preliminary Structure Plans | __/__/__ |
| X | <input type="checkbox"/> | 3580 Develop Preliminary Plans | 1/10/2012 |

| | | | | |
|---|--------------------------|-------------|---|-----------|
| X | <input type="checkbox"/> | 3581 | Review and Submit Final ROW Plans | 1/10/2012 |
| X | <input type="checkbox"/> | <i>351M</i> | <i>Final ROW Plans Distributed</i> | 1/10/2012 |
| X | <input type="checkbox"/> | 3590 | Review Preliminary Plans (Hold Plan Review Meeting) | 2/7/2012 |
| X | <input type="checkbox"/> | <i>352M</i> | <i>THE Plan Review (Grade Inspection)</i> | 2/7/2012 |

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 | | |
| | | UTILITIES | |
| X | <input type="checkbox"/> | 3610 Compile Utility Information | 10/26/2011 |
| <input type="checkbox"/> | X | 3650 Coordinate RR Involvement for Grade Separations | __/__/__ |
| X | <input type="checkbox"/> | 3655 Coordinate RR Involvement for At-Grade Crossings | 3/7/2012 |
| <input type="checkbox"/> | X | 3660 Resolve Utility Issues | |
| <input type="checkbox"/> | X | <i>360M Utility Conflict Resolution Plan Distribution</i> | __/__/__ |
| X | <input type="checkbox"/> | <i>361M Utility Meeting</i> | 3/7/2012 |
| <input type="checkbox"/> | X | 3670 Develop Municipal Utility Plans | __/__/__ |
| X | <input type="checkbox"/> | 3672 Develop Special Drainage Structures Plans | 5/4/2012 |
| <input type="checkbox"/> | X | 3675 Develop Electrical Plans | __/__/__ |
| | | MITIGATION/PERMITS | |
| <input type="checkbox"/> | X | 3710 Develop Required Mitigation | __/__/__ |
| <input type="checkbox"/> | X | 3720 Assemble Environmental Permit Applications | __/__/__ |
| <input type="checkbox"/> | X | 3730 Obtain Environmental Permit | __/__/__ |
| | | FINAL PLAN PREPARATION | |
| X | <input type="checkbox"/> | 3821 Prepare/Review Final Traffic Signal Design Plan | 5/4/2012 |
| X | <input type="checkbox"/> | 3822 Complete Permanent Pavement Marking Plan | 5/4/2012 |
| X | <input type="checkbox"/> | 3823 Complete Non-Freeway Signing Plan | 5/4/2012 |
| <input type="checkbox"/> | X | 3824 Complete Freeway Signing Plan | __/__/__ |
| <input type="checkbox"/> | X | 3825 Prepare/Review Final Traffic Signal Operations | __/__/__ |
| X | <input type="checkbox"/> | 3830 Complete the Maintaining Traffic Plan | 5/4/2012 |
| X | <input type="checkbox"/> | 3840 Develop Final Plans and Specifications | 5/4/2012 |
| X | <input type="checkbox"/> | <i>380M Plan Completion</i> | 5/4/2012 |
| <input type="checkbox"/> | X | 3850 Develop Structure Final Plans and Specifications | __/__/__ |
| X | <input type="checkbox"/> | 3870 Hold Omissions/Errors Check (OEC) Meeting | 5/25/2012 |
| X | <input type="checkbox"/> | <i>387M Omissions/Errors Checks Meeting</i> | 5/18/2012 |
| X | <input type="checkbox"/> | <i>389M Plan Turn-In</i> | 9/11/2012 |
| <input type="checkbox"/> | X | 3880 CPM Quality Assurance Review | __/__/__ |

MDOT PRECONSTRUCTION TASKS CONSULTANT CHECKLIST

PRELIMINARY ENGINEERING – RIGHT OF WAY

| | | P/PMS TASK NUMBER AND DESCRIPTION | DATE TO BE COMPLETED BY |
|--------------------------|----------|---|-------------------------|
| YES | NO | | (mm/dd/yyyy) |
| | | <u>EARLY RIGHT OF WAY WORK</u> | |
| <input type="checkbox"/> | X | 4120 Obtain Preliminary Title Commitments | _/_/___ |
| <input type="checkbox"/> | X | 4130 Prepare Marked Final Right Of Way Plans | _/_/___ |
| <input type="checkbox"/> | X | <i>413M Approved Marked Final ROW</i> | _/_/___ |
| <input type="checkbox"/> | X | 4140 Prepare Property Legal Instruments | _/_/___ |
| | | <u>ROW ACQUISITION</u> | |
| <input type="checkbox"/> | X | 4411 Preliminary Interviews | _/_/___ |
| <input type="checkbox"/> | X | <i>441M Post-Decision Meeting</i> | _/_/___ |
| <input type="checkbox"/> | X | 4412 Real Estate Services Assignment Proposal and Fee Estimate (Form 633s) for Appraisal Work Authorization | _/_/___ |
| <input type="checkbox"/> | X | 4413 Appraisal Reports | _/_/___ |
| <input type="checkbox"/> | X | 4420 Appraisal Review Reports | _/_/___ |
| <input type="checkbox"/> | X | 4430 Acquire Right Of Way Parcels | _/_/___ |
| <input type="checkbox"/> | X | 4510 Conduct Right Of Way Survey & Staking | _/_/___ |
| | | <u>ROW RELOCATION</u> | |
| <input type="checkbox"/> | X | 4710 Relocation Assistance | _/_/___ |
| <input type="checkbox"/> | X | 4720 Prepare Improvement Removal Plan | _/_/___ |
| <input type="checkbox"/> | X | <i>442M ROW Certification</i> | _/_/___ |

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

PAYMENT SCHEDULE

Compensation for this Scope of Services shall be on an **actual cost plus fixed fee** basis.

CONSULTANT PAYMENT:

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.

**ATTACHMENT A
CONSULTANT SURVEY REQUIREMENTS**

The survey requirements listed below are needed to be performed under the direction of a Professional Surveyor working for a prequalified company for Road Design Surveys. General information for the survey must conform to the latest version of the MDOT “Design Survey Standards of Practice.” Questions can be directed to:

Michael C. Barger, PS Survey Consultant Project Manager 517-241-3431

JOB NUMBER: 87244c CONTROL SECTION: 76011 & 76061
ROUTE: M-21 & M-52

TYPE OF SURVEY: Road Design Survey Task 3330

PROJECT DESCRIPTION: Data merge of previous survey data and possible additional topographic mapping along M-21 & M-52 in the City of Owosso, Shiawassee County to be used for design purposes.

Research: MDOT will provide to the successful consultant the following in digital format when possible and paper if necessary. **THESE FILES WILL BE PROVIDED AFTER SELECTION AND DURING THE PRICE PROPOSAL PHASE.**

- JN 87244 Survey portfolio, including Microstation and CAiCE files
- JN 75200 Survey portfolio, including Microstation and CAiCE files

Traffic control must be discussed with the MDOT Traffic & Safety Engineer at the Lansing TSC before the price proposal is submitted.

Once the data is merged, additional survey pickup may be needed based on the design fix.

Control: Control has been established by consultant forces throughout the limits of the project. The information will be provided to the successful consultant before the price proposal is developed.

Alignment: A legal alignment has been established by consultant forces tied in to the appropriate section corners. All alignments will be provided and must be examined for credibility.

Property: Accurate ROW must be shown on the plans. The ROW shown may be accurate.

- **Mapping:** Topographic mapping may be required in the project area. Areas must be identified before the price proposal is accepted by MDOT.

PROJECT DELIVERABLES:

CAiCE and GeoPak files and PDF portfolio showing research, control, drawings and Surveyor’s

Report are required. MicroStation files are also required.

SURVEY PROJECT DURATION: The above project should take a 2-person crew and one CADD operator with Professional Surveyor oversight no more than 300 total hours to complete.