

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

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

DESCRIPTION

| MDOT PROJECT MANAGER: Check all items to be included in RFP | | | CONSULTANT: Provide only checked items below in proposal |
|--|--|--|---|
| WHITE = REQUIRED ** = OPTIONAL Check the appropriate Tier in the box below | | | |
| <input type="checkbox"/> TIER I (\$50,000 - \$150,000) | <input type="checkbox"/> TIER II (\$150,000-\$1,000,000) | <input type="checkbox"/> TIER III (>\$1,000,000) | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| <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"/> | 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 | <input type="checkbox"/> | Presentation ** |
| N/A | N/A | <input type="checkbox"/> | Technical Proposal (if Presentation is required) |
| 3 pages (MDOT Forms not counted) | 7 pages (MDOT Forms not counted) | 14 pages (MDOT forms not counted) | Total maximum pages for RFP not including key personnel resumes. Resumes limited to 2 pages per key staff personnel. |

PROPOSAL AND BID SHEET EMAIL ADDRESS – mdot-rfp-response@michigan.gov

GENERAL INFORMATION

Any questions relative to the scope of services must be submitted by e-mail to the MDOT Project Manager. Questions must be received by the Project Manager at least five (5) working days prior to the due date and time specified above. All questions and answers will be placed on the MDOT website as soon as possible after receipt of the questions, and at least three (3) days prior to the RFP due date deadline. The names of vendors submitting questions will not be disclosed.

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

MDOT FORMS REQUIRED AS PART OF PROPOSAL SUBMISSION

5100D – Request for Proposal Cover Sheet

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

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

REQUEST FOR PROPOSAL

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

If your firm is interested in providing services, please indicate your interest by submitting a Proposal, Proposal/Bid Sheet or Bid Sheet as indicated below. The documents must be submitted in accordance with the latest (Consultant/Vendor Selection Guidelines for Services Contracts) **AA**

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RFP SPECIFIC INFORMATION

ENGINEERING SERVICES BUREAU OF TRANSPORTATION PLANNING OTHER

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

| | |
|---|--|
| <input type="checkbox"/> Prequalified Services – See the attached Scope of Services for required Prequalification Classifications. | <input type="checkbox"/> Non-Prequalified Services – If selected, the vendor must make sure that current financial information, including labor rates, overhead computations, and financial statements, is on file with MDOT’s Office of Commission Audits. This information must be on file for the prime vendor and all sub vendors so that the contract will not be delayed. Form 5100J is required with proposal for all firms performing non-prequalified services on this project. |
|---|--|

Qualification Based Selection - Use Consultant/Vendor Selection Guidelines.

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

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

Qualification Based Selection / Low Bid – Use Consultant/Vendor Selection Guidelines. See Bid Sheet instructions for additional information.

For Qualification Review/Low Bid selections, the selection team will review the proposals submitted. The vendor that has met established qualification threshold and with the lowest bid will be selected.

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

Low Bid (no qualifications review required – no proposal required.)

BID SHEET INSTRUCTIONS

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

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PARTNERSHIP CHARTER AGREEMENT

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

**NOTIFICATION
MANDATORY ELECTRONIC SUBMITTAL**

Proposals submitted for this project must be submitted electronically.

The following are changes to the Proposal Submittal Requirements:

- Eliminated the Following Requirements:
 - Safety Program
 - Communication Plan
 - Past Performance as *a separate section*
 - Separate section for DBE Statement of goals. Include information in Qualification of Team section

- Implemented the Following Changes:
 - All proposals require an Organization Chart
 - Resumes must be a maximum of two pages
 - Only Key (lead) staff resumes may be submitted
 - Tier III proposal reduced from 19 to 14 pages
 - Forms 5100D, 5100I, and 5100G combined – 5100D
 - Forms 5100B and 5100H combined – 5100B
 - RFP's will be posted on a weekly basis -- on Mondays

The following are Requirements for Electronic Submittals:

- Proposals must be prepared using the most current guidelines
- The proposal must be bookmarked to clearly identify the proposal sections (See Below)
- For any section not required per the RFP, the bookmark must be edited to include “N/A” after the bookmark title.
Example: Understanding of Service – N/A
- Proposals must be assembled and saved as a single PDF file
- PDF file must be 5 megabytes or smaller
- PDF file must be submitted via e-mail to MDOT-RFP-Response@michigan.gov
- 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
“AS NEEDED” DESIGN SERVICES
Design Surveys**

CONTROL SECTION: Various

JOB NUMBER: Various

PROJECT LOCATION: Various

PROJECT DESCRIPTION:

The Consultant will be expected to provide experienced personnel for Design Survey services on an as needed basis for MDOT design projects. Such tasks would include work in the following areas of survey: Road Design Survey, Hydraulics Survey, Structure Survey and Right of Way Survey. Full time services will not be required.

This scope is for “as needed” services, based on the intermittent needs of the MDOT Lansing Design Survey Unit. It must be noted that this is not a guarantee of Consultant authorizations for survey work.

Prequalification for all categories listed below is necessary for consideration for this RFP. If your firm is not prequalified in a category then a firm that is shall be submitted as a team member / subvendor. In this scenario, a letter on each firm’s letterhead shall be submitted as part of the proposal package.

ANTICIPATED START DATE: January 1, 2016

ANTICIPATED END DATE: December 31, 2017

PRIMARY PREQUALIFICATION CLASSIFICATION(S):

Surveying: Road Design, PPMS Task 3330

SECONDARY PREQUALIFICATION CLASSIFICATION(S):

Surveying: Structure, PPMS Task 3340

Surveying: Hydraulics, PPMS Task 3350

Surveying: Right-of-Way, PPMS Task 4510

Consultants may submit a proposal as a team to incorporate all pre-qualification Classifications.

DBE REQUIREMENT:

This Scope of Services has a **0 %** DBE qualification.

MDOT DESIGN SURVEY PROJECT MANAGERS:

| | |
|---|--|
| <p>Karl F. Brandys, P.S. Michigan Department of Transportation Van Wagoner Building 425 W. Ottawa Street, B220 <i>Delivery</i> P.O. Box 30050 <i>Mail</i> Lansing, MI 48909 517-373-0020 brandysk1@michigan.gov</p> | <p>Thomas D. Bogren, P.S. Michigan Department of Transportation Van Wagoner Building 425 W. Ottawa Street, B220 <i>Delivery</i> P.O. Box 30050 <i>Mail</i> Lansing, MI 48909 517-335-1914 bogrent@michigan.gov</p> |
| <p>Michael C. Barger, P.S. Michigan Department of Transportation Van Wagoner Building 425 W. Ottawa Street, B220 <i>Delivery</i> P.O. Box 30050 <i>Mail</i> Lansing, MI 48909 517-241-3431 bargerm@michigan.gov</p> | |

NUMBER OF CONSULTANTS & ESTIMATED CONTRACT COSTS

Up to twenty-five (25) Consultants will be chosen for “as-needed” contracts for TWO YEARS beginning January 1, 2016. The number of projects assigned to each Consultant will be determined by future workloads.

Contract amounts will reset for the contract duration of January 1, 2017 through December 31, 2017.

GENERAL PROJECT INFORMATION:

Selection of the as-needed firm:

Once a project is identified for Consultant survey, the assigned project manager will pick a Consultant based on location, amount available on their contract and number of projects done on THIS contract at that time. **A Consultant may not work on any more than two (2) “as needed” jobs for any Region Surveyor or Survey Consultant Project Manager at any given time.**

What to expect from the MDOT Survey Project Manager:

- When your firm is identified, the assigned manager will make initial contact by phone or email to check on availability.
- If the Consultant is available, the assigned manager will forward a completed **Attachment C, Request for Consultant Survey Staff** to the Consultant Professional Surveyor. A sample is attached to this proposal.
- Every attempt will be made to submit Price Proposals to Contract Services as soon as possible.

What is expected from the Consultant:

- If for any reason the work cannot be completed in the timeframe discussed, it will not hurt future work to turn the project down. The goal is for a quality product delivered on time.
- Availability and any changes in the staff outlined in this proposal must be brought to MDOT's attention at the time of the initial phone call or within two (2) days. A new Form 5100G will be required to document any changes in key personnel. If the Consultant does not get pre-approval for this substitution, MDOT will not accept the hours worked as billable and the Consultant will be working at their risk.
- It is up to the Consultant to communicate with the MDOT Project Manager or designated Region Surveyor to answer any questions regarding the scope and paperwork needed for contracting. The Consultant may request a meeting with the assigned manager at any time.
- The Consultant will prepare a priced proposal and other essential contract paperwork.
Other noteworthy items:
 - Costs for traffic control required by the local MDOT TSC Traffic & Safety Engineer must be included in the priced proposal in order to be reimbursed as a direct cost. See below for more information regarding traffic control.
 - Any changes from the signed Attachment C not covered in the price proposal can be documented in Form 5102.
- If a project duration is longer than six (6) weeks, a Monthly Progress Report is required to be submitted addressing the following items:
 - Work accomplished during the previous month
 - Anticipated work and goals for the coming month
 - Real problems which occurred during the month, and anticipated problems for the coming month
 - Any updates on the project schedule including explanations for any delays or changes in schedule, scope, or work plan
 - Any early reviews or submittals such as adjustments, computations, or alignment

MDOT reserves the right to grant final work authorization based on the Consultant's understanding of the specific survey project tasks and personnel. If the Consultant is unable to fulfill a request, MDOT may utilize a different Consultant awarded under this As Needed Scope for Consultant Survey Services.

GENERAL REQUIREMENTS:

1. Surveys must comply with **all Michigan laws** relative to land surveying.
2. Surveys must be done under the **direct supervision** of a Professional Surveyor licensed to practice in the State of Michigan.
3. Work in any of the following categories: Road Design Surveys, Structure Surveys, Hydraulic Surveys, and/or Right-of-Way Surveys must be completed by a firm which is pre-qualified by MDOT.
4. Surveys must meet all requirements of the MDOT Design Surveys *Standards of Practice* and the MDOT QA/QC Checklist latest version. Please contact the Design Survey office to clarify any specific questions regarding these standards.
5. The Consultant is responsible for using the latest MDOT Feature Codes and files available on the MDOT File Transfer Protocol (FTP) site. The Power GEOPAK software used must be the latest acceptable version available.
6. The Consultant must obtain all necessary permits required to perform this survey on any public and/or private property. This includes an up-to-date permit from the MDOT Utilities Coordination and Permits Section.
7. Prior to performing the survey, the Consultant must contact all landowners upon whose lands they will enter. The contact may be personal, phone or letter, but must be documented. This notice must include the reasons for the survey on private land, the approximate time the survey is to take place, the extent of the survey including potential brush cutting, and an MDOT contact person (the MDOT project manager).
8. The Consultant must contact any and all Railroads prior to commencing field survey on railroad property. The cost for any permit, flaggers and/or training that is required by the Railroad will be considered as a direct cost, but only if included in the Consultant's proposal.
9. 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.
10. Consultants are responsible for a comprehensive and conscientious research of all records, including MDOT records, essential for the completion of this project.
11. Surveys must be submitted using ProjectWise. Access to ProjectWise must be granted with the aid of the Survey Project Manager or Region Surveyor. Submittal via hard copy media may also be required by the Survey Project Manager or Region Surveyor
12. The Consultant representative shall record and submit typewritten 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.

13. The MDOT Project Manager is the official contact for the Consultant. The Consultant must either address, or send a copy of all correspondence to the MDOT Project Manager. The MDOT Project Manager shall be made aware of all communications regarding this project. Any questions regarding this award or any subsequent project should be directed to one of the Design Survey Consultant Coordinators / Project Managers listed above. If a situation occurs where the MDOT Project Manager and the Consultant do not agree and conflict exists, the Partnership Charter Agreement of 2013, created by ACEC and MDOT, must be used to solve the impasse. Copies of this agreement are available upon request.

At the completion of a survey, all field survey notes (legible copies will suffice), all electronic data, and all research records obtained for this project will be considered the property of MDOT and must be submitted via ProjectWise. Please use MDOT's Form 222 entitled "SURVEY NOTES: RECEIPT AND TRANSMITTAL" for all transmittals, **Digital Signatures are acceptable.**

NOTE: It is recommended that the project's horizontal and vertical control adjustments be submitted for review as soon as it is available.

WORK RESTRICTIONS

The Consultant must notify the closest MDOT Transportation Service Center Traffic & Safety Engineer that has jurisdiction prior to submitting a priced proposal and prior to beginning work activities in the project area.

The MDOT TSC Traffic & Safety Engineer must be notified at least two weeks prior to shoulder or lane closures so advance notice can be posted on the Web site.

No work shall be performed or lane closures allowed during the Memorial Day, Independence Day, Thanksgiving, Christmas, New Year or Labor Day holiday periods. The holiday periods will be defined by the local Traffic and Safety Engineer which has jurisdiction over the project area.

All work on the road shall be conducted during daylight hours Monday through Friday only. Lane closures may only occur between the hours of 9:00 am and 3:00 pm. Weekend work and lane closure exceptions may be permitted, but only with the approval in advance from the MDOT Project Manager or Designate (the Traffic and Safety Engineer).

All traffic control devices shall conform to the current edition, as revised, of the *Michigan Manual of Uniform Traffic Control Devices* (MMUTCD). All warning signs for maintenance of traffic used on this project shall be fabricated with prismatic retro-reflective sheeting. Sign covers shall be placed over existing regulatory signs that are not applicable during Survey work.

The Consultant shall use MDOT standard "maintaining traffic" typicals for any and all closures. Typical MDOT traffic control diagrams are available on line at <http://mdotcf.state.mi.us/public/tands/plans.cfm>

The Consultant may also use MDOT Maintenance Work Zone Traffic Control Guidelines, found on line at http://www.michigan.gov/documents/zonecontrol_112912_7.pdf

The Consultant must have a vehicle with markings/logo that identifies the company within sight distance of survey activity whenever they are working on or near the road.

Traffic control on city streets and county roads is under the jurisdiction of the local authorities where the project is located.

COORDINATION WITH OTHER CONTRACTS IN THE VICINITY

The Consultant shall coordinate his operations with contractors performing work on other projects within or adjacent to the Construction Influence Area (CIA).

MDOT maintenance crews and/or Contract Maintenance Agencies may perform maintenance work within or adjacent to the CIA. The Maintenance Division of MDOT and/or Contract Maintenance Agency will coordinate their operations with the MDOT Project Manager or Designate, MDOT TSC Traffic & Safety Engineer, to minimize the interference to the Consultant.

The Consultant must contact the MDOT TSC Traffic & Safety Engineer for information regarding project coordination.

No claim for extra compensation or adjustment in authorization costs will be allowed on account of delay or failure of others to complete their work unit as scheduled.

FIELD SURVEY

The purpose of a field survey is to obtain information and/or data required by/for the project design engineer, to leave horizontal and vertical control in the field for future construction staking, and to provide a sufficient history of the area to enable the MDOT Design Survey Unit to perform dependable surveys in the future.

The Consultant will be made aware of the scope for each “as needed” project through the use of Attachment C for specific detail. For the preferred methods, refer to the Standards of Practice latest version or contact the MDOT Survey Consultant Project Manager. Any discrepancy or contradiction will be resolved by applying the following list in order of priority:

1. Written instructions from the Survey Consultant Project Manager or Region Surveyor
2. The scope of the project, or in this case, the Attachment C
3. MDOT Survey Standards of Practice, latest version
4. MDOT Design Survey Manual, latest version
5. Accepted Survey practice, documented in books from disinterested third parties or paper form from state or federal agencies

Once the survey is complete, all stakes must be removed from the MDOT median and ROW to aid the maintenance crews and adjacent property owners. All benchmarks and control points and their witnesses must remain in place.

CONSULTANT PAYMENT – Actual Cost Plus Fixed Fee: As-Needed

Compensation for this project shall be on an **actual cost plus fixed fee** basis. This basis of payment typically includes an estimate of labor hours by classification or employee, hourly labor rates, applied overhead, other direct costs, subconsultant costs, and applied fixed fee. The fixed fee for profit allowed for this project is 11.0% of the cost of direct labor and overhead.

This scope is for “as needed” services. As such, the hours provided are only an estimate. The Consultant will be reimbursed a proportionate share of the fixed fee based on the portion of the authorized total hours in which services have been provided to the Department. Fixed fee on “as needed” projects is computed by taking the percent of actual labor hours invoiced to labor hours authorized, then applying that percentage to the total fixed fee authorized.

All billings for services must be directed to the Department and follow the current guidelines. Payment may be delayed or decreased if the instructions are not followed.

Payment to the Consultant for services rendered shall not exceed the maximum amount unless an increase is approved in accordance with the contract with the Consultant. Typically, billings must be submitted within 60 days after the completion of services for the current billing. The final billing must be received within 60 days of the completion of services. Refer to your contract for your specific contract terms.

Direct expenses, if applicable, will not be paid in excess of that allowed by the Department for its own employees in accordance with the State of Michigan’s Standardized Travel Regulations. Supporting documentation must be submitted with the billing for all eligible expenses on the project in accordance with the Reimbursement Guidelines. The only hours that will be considered allowable charges for this contract are those that are directly attributable to the activities of this project.

The hours provided are only an estimate. The Consultant will be reimbursed a proportionate share of the fixed fee based on the portion of the authorized total hours in which services have been provided to the Department. Fixed fee on “as needed” projects is computed by taking the percent of actual labor hours billed to labor hours authorized, then applying that percentage to the total fixed fee authorized.

MDOT reserves the right to request services on other projects located in the Region/TSC area that are not listed above, under the conditions of this “as needed” scope of services.

Full time services may not be required on all projects at all times. This scope is for “as needed” services, based on the intermittent needs of MDOT. It must be noted that this is not a guarantee that MDOT will use the Consultant’s services.

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

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

**ATTACHMENT “C”
MDOT REQUEST FOR CONSULTANT SURVEY STAFF**

Date:

Company Name
Att’n: Pat Tripod, PS
123 Fake Address Parkway
Oneofthetowns, MI 4*****

VIA: email

MDOT requests Consultant survey staff and services for the following project Scope of Services for Consultant “As Needed” Design Survey Services for Lansing Design Support Area Survey Unit.

JOB NUMBER: *****

CONTROL SECTION: *****

ROUTE: *****

TYPE OF SURVEY: Design Survey Tasks 3330, 3340, 3350, 4510

PROJECT DESCRIPTION: Complete topographic mapping along Route between Road 1 and Road 2, including ramps.

Research: See attached.

Control: Two intervisible primary control monuments are to be located in the project area as defined in the Mapping section of this document. At least four evenly spaced benchmarks are to be left in the field: one in each quadrant of the bridge located within the project area.

Alignment: Legal or non-legal.

Property: Non-legal Right of Way to be determined by visual inspection only: fence location or pacing from centerline –OR- Legal Right of Way as determined by the interpretation of deeds and field evidence. Staking of legal alignment and property MAY be required.

Mapping: Topographic mapping required for this project:

- Limits along the route are from Station 1171+00 to 1206+00 from ROW to ROW (fence to fence).
- Limits along cross roads extend 100 feet beyond the PC of the curb.
- MISSDIG may or may not need to be contacted.

PROJECT DELIVERABLES:

The current Standards of Practice and the current MDOT QA/QC Checklist will be utilized as the **guidelines** for the project submittal. Specific deliverables may be listed below, such as:

- CDs / DVDs and paper portfolio, if requested
- Surveyor’s report

- Specific spreadsheets
- Specific sketches, diagrams or reports
- Electronic mapping in Power GEOPAK format utilizing MDOT's current workspace and symbology

PROJECT DUE DATE: ## WEEKS after final work authorization is issued. Multiple due dates may be necessary for various tasks.

Receipt of this request requires the Consultant to notify the undersigned regarding the availability of the Consultant's staff to work on this project and acceptance of the above terms and conditions in writing within two working days. A detailed cost proposal with a breakdown of man hours and tasks will be required and reviewed prior to obtaining an Authorization for Consultant to Proceed.

 MDOT Design Survey PM name
 Lansing Survey Project Manager
 Date: _____

 Pat Tripod, PS
 Company Name
 Date: _____

FAX: 517-241-4631