

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 WHITE = REQUIRED ** = OPTIONAL Check the appropriate Tier in the box below		CONSULTANT: Provide only checked items below in proposal	
<input type="checkbox"/> TIER I (\$50,000 - \$150,000)	<input type="checkbox"/> TIER II (\$150,000-\$1,000,000)	<input type="checkbox"/> TIER III (>\$1,000,000)	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Understanding of Service **
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Innovations</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Organizational Chart
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Qualifications of Team
Not required as part of Official RFP	Not required as part of Official RFP	<input type="checkbox"/>	Quality Assurance/Quality Control **
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Location: The percentage of work performed in Michigan will be used for all selections unless the project is for on-site p=inspection or survey activities, then location should be scored using the distance from the consultant office to the on-site inspection or survey activity.
N/A	N/A	<input type="checkbox"/>	Presentation **
N/A	N/A	<input type="checkbox"/>	Technical Proposal (if Presentation is required)
3 pages (MDOT Forms not counted) (No Resumes)	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 only for firms not currently prequalified with MDOT)

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

REQUEST FOR PROPOSAL

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

If your firm is interested in providing services, please indicate your interest by submitting a Proposal, Proposal/Bid Sheet or Bid Sheet as indicated below. The documents must be submitted in accordance with the latest (Consultant/Vendor Selection Guidelines for Services Contracts" and "Guideline for Completing a Low Bid Sheet(S)*, if a low bid is involved as part of the selection process. **Reference Guidelines are available on MDOT's website under Doing Business > Vendor/Consultant Services > Vendor/Consultant Selections.**

RFP SPECIFIC INFORMATION

ENGINEERING SERVICES BUREAU OF TRANSPORTATION PLANNING OTHER

THE SERVICE WAS POSTED ON THE ANTICIPATED QUARTERLY REQUESTS FOR PROPOSALS

NO YES DATED _____ THROUGH _____

Prequalified Services – See 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 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.) See Bid Sheet Instructions below for additional instructions.

BID SHEET INSTRUCTIONS

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

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 INTELLIGENT TRANSPORTATION SYSTEMS
Program Office Support**

CONTROL SECTION: 84900

JOB NUMBER: 113432, 113437

PROJECT LOCATION: Statewide

DESCRIPTION OF WORK:

This work consists of providing as needed Connected Vehicle (CV) engineering and technical support services for the Michigan Department of Transportation (MDOT) Intelligent Transportation Systems (ITS) Program Office.

The Consultant, under direction of the MDOT Project Manager, will conduct all as needed engineering and technical CV support services for the MDOT ITS Program Office which consists of organizing and managing this project with other support services such as system documentation, management of sub-Consultants, project coordination, project collaboration, scheduling, quality assurance/quality control (QA/QC), cost control, billing activities, and performance reporting as defined below.

ANTICIPATED START DATE: April 13, 2015

ANTICIPATED COMPLETION DATE: April 12, 2017

This selection is for a 2 year period.

PRIMARY PREQUALIFICATION CLASSIFICATION:

Intelligent Transportation Systems – Design and System Manager

SECONDARY PREQUALIFICATION CLASSIFICATION:

None

DBE REQUIREMENT: 0%

MDOT PROJECT MANAGER:

Collin Castle
Michigan Department of Transportation
ITS Program Office
8885 Ricks Road
Lansing, MI 48909
Email: castlec@michigan.gov

Tel: (517) 636-0715
Fax: (517) 322-5664

GENERAL INFORMATION:

The term “CV” used herein includes a broad range of electronics, telecommunications, and information technologies that when applied to the transportation infrastructure, and vehicles support vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communications to improve the safety and mobility of the transportation system.

The Consultant shall furnish all services and labor necessary to conduct and complete the as needed services described herein. The Consultant shall also furnish all materials, equipment, supplies, and incidentals necessary to perform the services (other than those designated in writing to be furnished by MDOT), and check and/or test the materials, equipment, supplies, and incidentals as necessary in carrying out this work. The services shall be performed to the satisfaction of MDOT consistent with applicable professional standards.

The services described herein are financed with public funds. The Consultant shall comply with all applicable federal and state laws, rules, and regulations. The Consultant shall perform field operations in accordance with Michigan Occupational Safety and Health Administration (MIOSHA) regulations and accepted safety practices. The Consultant staff shall conduct themselves with professionalism in carrying out their duties.

The Consultant will notify the MDOT Project Manager, in writing, prior to any personnel changes from those specified in the Consultant’s original approved proposal. Any personnel substitutions are subject to review and approval of the MDOT Project Manager.

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 sub-Consultant correspondence and verbal contact records.

Unless approved otherwise by the MDOT Project Manager, support activities on this project will require the submittal of a task order to the MDOT Project Manager to review for approval. The Consultant shall submit a draft task order to the MDOT Project Manager within five (5) business days of receiving the preliminary scope of work for the proposed support activity. The MDOT Project Manager will have five (5) business days to review the draft task order for comments and/or approval. Work on a task order shall not commence until the MDOT Project Manager provides written approval to the Consultant. Any work completed on a task order prior to the MDOT Project Manager’s written approval will not be eligible for reimbursement. At a minimum, a task order shall include the following elements:

1. CV task order number.
2. Purpose of the CV task order.
3. Scope of work.

4. CV task order organizational chart depicting Consultant and sub-Consultant team members and roles.
5. CV task order schedule in a Gantt chart format including milestones and deliverable due dates.
6. CV task order cost including:
 - a. A detailed breakdown of hours and costs for each Consultant and sub-Consultant team member identified on the organizational chart.
 - b. A summary of hours and costs for the task order for the Consultant and each sub-Consultant.
 - c. A summary of overall hours and costs for the task order.

All materials submitted in response to this Request for Proposals (RFP) become the property of MDOT, proposals and supporting materials will not be returned to Consultants. MDOT reserves the right to reject any or all proposals.

QUALITY ASSURANCE/QUALITY CONTROL PLAN:

The project will require a Quality Assurance/Quality Control (QA/QC) plan that will cover the work defined herein and will be revised as required to cover assigned tasks. The QA/QC activities also include preparation of the monthly status reports, invoices, and attendance at project meetings when requested by the MDOT Project Manager. The Consultant shall record and submit typed minutes for all meetings to the MDOT Project Manager within one week of the meeting in electronic format. The Consultant shall also distribute the minutes to all meeting attendees. On the first of each month, the Consultant shall submit a monthly status report to the MDOT Project Manager. In addition to monthly status reports, all payment invoices must include a detailed status report.

CONSULTANT RESPONSIBILITIES:

The Consultant will provide as needed engineering and/or technical support services for the research, development, deployment, operations and maintenance of CV technology and the advancement of various CV-related initiatives. The Consultant's activities may include, but are not limited to, the following support activities:

1. Connected Vehicle Research and Reporting Support

- A. Conduct research of domestically and internationally deployed state-of-the-art CV technologies.
- B. Review existing research regarding CV to determine applicability to Michigan.
- C. Conduct research on CV data collection methods to determine their feasibility for application in Michigan.

- D. Assist in the development, review, and prioritization of CV research problem statements and proposals for submittal through MDOT's research program.
- E. Prepare analysis of the cost effectiveness, including cost-benefit studies, of MDOT's existing and/or proposed CV deployments and/or initiatives.
- F. Prepare life-cycle cost analysis of MDOT's existing and/or proposed CV deployments and/or initiatives.
- G. Conduct a CV deployment analysis on a corridor and/or region wide basis that may or may not cross multiple regional/jurisdictional boundaries.
- H. Develop a CV investment plan on a corridor and/or region wide basis that may or may not cross multiple regional/jurisdictional boundaries.
- I. Prepare engineering cost estimates.
- J. Provide special engineering studies and economic analysis to support adherence to federal requirements and in response to MDOT's CV program needs.
- K. Assist in the preparation of responses, proposals, and/or grant applications for CV-related surveys or solicitations.
- L. Prepare requests for interests or proposals for proposed CV-related initiatives or projects.
- M. Prepare "white papers" or written reports to address current or emerging CV needs, trends, initiatives, or issues.
- N. Assist with the coordination and preparation of an annual report highlighting MDOT's CV activities and operational accomplishments, best practices, and enhancements.

2. Connected Vehicle Planning, Development, Deployment, and Maintenance Support

- A. Coordinate the re-evaluation of the CV Strategic Plans to determine the need for revisions and updates. Provide assistance in updating the plans.
- B. Develop Concept of Operations (Con-Ops) for CV Deployments on a project, corridor and/or region wide basis that may or may not cross multiple regional/jurisdictional boundaries.
- C. Review consistency of proposed CV projects with MDOT's Regional and Statewide ITS Architectures and Deployment Plans.

D. Review design plans, specifications, and details to guide the deployment of CV on MDOT's transportation system.

E. Review and assess the adequacy of existing MDOT, national, international, and industry specifications, standards, and details that are pertinent to the planning, design and deployment of CV.

F. Assist in the modification of existing and/or the development of new CV specifications, standards, details, and pay items.

G. Assist in processing CV standards, specifications, and details through MDOT's standards and specification development process.

H. Provide support in monitoring the use of, and tracking revisions to, MDOT's CV standards, specifications, pay items, and details.

I. Review and/or coordinate the design work of other Consultants affecting the MDOT CV program.

J. Review shop and erection drawings for compliance with MDOT's ITS standards, specifications, and details related to CV technology.

K. Support the development of new and modification of MDOT's current ITS guidance documents to support CV deployments such as the Basis of Design Document (BODD), and potential Plans Preparation and Design Manuals.

L. Establish and/or update MDOT's ITS maintenance procedures to include CV technology.

M. Assist in the management of the MDOT's ITS maintenance service contracts, focusing on CV technology.

3. Connected Vehicle Regulatory Evaluation Support

A. Review state and federal regulatory issues and determine impacts to MDOT's CV program. Assist in determining the appropriate position to take regarding proposed and pending state and/or federal regulation related to CV.

B. Determine CV issues that may need regulation at the state level to maximize implementation of the CV program. Assist in the preparation and review of new CV regulation requests by providing background research on CV issues and by determining the ramifications of new requests regarding the deployment of CV or advancement of CV initiatives.

4. Connected Vehicle Training and Outreach Support

A. Assist with preparation of CV technical training materials including PowerPoint presentations, speaker notes, training manuals, etc.

B. Assist with the preparation of PowerPoint presentations, speaker notes, and/or displays for CV-related meetings, conferences, and events.

C. Assist with the planning, coordination, preparation, and execution of CV-related meetings, conferences, and events.

D. Assist with developing, updating, and fulfilling MDOT's CV outreach plans and efforts including, but not limited to, the review and/or preparation of informational brochures, newsletter articles, media releases, and operational advisories.

5. Connected Vehicle System Operations Support

A. Complete operations support of MDOTs CV System(s).

B. Support MDOT as a technical resource regarding inquiries from internal and external partners related to utilization of the MDOT CV System operation including but not limited to; V2I application functionality, CV equipment configuration, communication network configuration, and data utilization.

C. Support MDOT as a technical resource completing equipment configuration and testing activities related to MDOT CV System operation including but not limited to; V2I application functionality, CV equipment configuration, communication network configuration, and data utilization.

D. Support MDOT in the training and utilization of CV technology and applications in operational environments including Transportation Operations Centers (TOCs), and other MDOT Offices.

6. USDOT Connected Vehicle Pilot Deployment Development Support

The Consultant **may be tasked with contributing to the planning stage of the USDOT Connected Vehicle Pilot Deployment if MDOT is successfully awarded funding.*

A. Assist MDOT in the Phase 1: Concept Development stage of the USDOT CV Pilot Deployment project.

MDOT RESPONSIBILITIES:

MDOT shall provide the Consultant with all relevant documentation needed to complete the tasks assigned and approved by the MDOT Project Manager.

DELIVERABLES:

At the request of MDOT, the Consultant, during the progress of the services, shall furnish information or data relating to the services described herein that may be required by MDOT to carry out or proceed with related phases of the project not described herein, or which may be necessary to enable MDOT to furnish information to the Consultant upon which to proceed with further services.

The Consultant shall deliver all computer files associated with the project in their native format (spreadsheets, CADD files, etc.) on DVD, CD or uploaded to ProjectWise, as directed by the MDOT Project Manager. All CADD 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 seed/configuration files necessary to comply with MDOT's CADD standards which are posted to the bulletin board system. Any CADD files that do not conform to MDOT standards will be returned to the Consultant for correction at the Consultant's expense.

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.

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 MDOT Project Manager. All plans, specifications, and other project related items are subject to review and approval by MDOT.

PROJECT SCHEDULE:

For scheduling purposes, it is anticipated that this project shall begin on **April 13, 2015** and shall end on **April 12, 2018**.

Services to be rendered by the Consultant, as herein described, will commence upon written notice from the Professional Services Administrator and will be completed within approximately three (3) years from the date of such notice.

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. 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.

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.