

REQUEST FOR PROPOSAL

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

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

RFP SPECIFIC INFORMATION

BUREAU OF HIGHWAYS BUREAU OF TRANSPORTATION PLANNING OTHER

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

<input type="checkbox"/> Prequalified Services – See page ____ of 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, 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
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Qualifications Based Selection – Use Consultant/Vendor Selection Guidelines

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

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

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

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

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

Low Bid (no qualifications review required – no proposal required.) See Bid Sheet Instructions below for additional instructions.

BID SHEET INSTRUCTIONS

Bid Sheet(s) must be submitted in accordance with the “Guidelines for Completing a Low Bid Sheet(s)* (available on MDOT’s website). Bid Sheet(s) are located at the end of the Scope of Services. Submit bid sheet(s) separate from the proposal, to the email address: mdot-rfp-response@michigan.gov. Failure to comply with this procedure may result in your bid being rejected from consideration.

PROPOSAL SUBMITTAL INFORMATION

REQUISITION NUMBER	PROPOSAL/BID DUE DATE	TIME DUE
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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.)

**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.**

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

**SCOPE OF SERVICE
FOR
TRAFFIC AND SAFETY SERVICES**

As Needed Facilitation of Road Safety Audits (RSA) through Out The State
Revised as of 3.12.12

CONTROL SECTION: 84900

JOB NUMBER: 115591

PROJECT LOCATION: Various Locations

PROJECT DESCRIPTION:

The Consultant(s) will facilitate up to 11 Road Safety Audits (RSA) for proposed Safety Projects and as needed RSA's. This will allow MDOT to get reviews of Safety Projects using RSAs. The consultant's expertise in RSA's will enable MDOT to confirm that all the safety countermeasures will be considered.

Up to five (5) consultant(s) will be selected for this project.

The Consultant must have completed the RSA NHI-380069 training class.

~~The Consultant must have facilitated and completed an RSA in Michigan, United States or International, following generally accepted guidelines for completing RSA's.~~

ANTICIPATED SERVICE START DATE: May 1, 2012

ANTICIPATED SERVICE COMPLETION DATE: October 1, 2013

PRIMARY PREQUALIFICATION CLASSIFICATION:

Safety Studies

SECONDARY PREQUALIFICATION CLASSIFICATION

N/A

DBE REQUIREMENT: N/A

PROJECT MANAGER:

Bob Rios, Staff Specialist
Safety Programs Unit
Division of Operations
Michigan Department of Transportation
Murray D. Van Wagoner Building
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GENERAL BACKGROUND:

One of the principles of The Michigan Strategic Highway Safety Plan is to integrate safety engineering improvements across the entire roadway system by coordinating efforts with all state and local agencies that have a hand in addressing public safety issues. One of the ways by which the MDOT can greatly contribute to reducing the number of fatalities on our roadways is the collaborative effort by the different MDOT divisions, and one of the tools mentioned is the use of Road Safety Audits (RSA).

A RSA is a formal safety evaluation of planned or existing roadways by an independent, multidisciplinary audit team. The team looks for potential safety hazards that may affect any type of road user and suggests measures to mitigate those safety issues. The audit team is composed of transportation professionals and individuals with special skills in safety, law enforcement, and emergency medical services from federal, state and local transportation personnel. The RSA team leader and team members will be conducting field reviews (both day and night) and preparing the audit report with cost estimate and cost effectiveness analysis. Procedures in performing an RSA are detailed in the FHWA RSA Procedure and Guidelines Manual 2008.

OBJECTIVES AND TASKS OF THE PROPOSED PROJECT:

The objectives of this phase of the proposed project are as follows:

Task 1: Facilitate Safety Audits

1.1 Identify Interdisciplinary RSA Team

The Consultant will provide a team leader/facilitator from among the Consultant's qualified engineers to conduct the RSA and meet with the Department's RSA PM and Region RSA Project Manager (PM) for the project scope, goals, objectives, and expected audit report completion date. RSA project locations are statewide. Any known safety constraints or issues will be discussed by the Region PM during the meeting. The Department/Region PM and

Consultant team leader/facilitator will determine the required disciplines and individuals for the RSA from the list of potential participants to be provided and recruit an RSA team.

The Consultant's team leader/facilitator will coordinate the RSA schedule with the team members. The audit team members shall be independent of the project, owner and designers.

Deliverables: List of RSA Team Participants contacted (with their corresponding profession, agency, e-mail address and phone number, reason for acceptance or decline), invitation letter/memo or copy of e-mail sent to potential auditors, list of recruited RSA team members, and RSA schedule.

1.2 Prepare Relevant Data and Documents

The Consultant's team leader/facilitator will coordinate with the Region's PM in obtaining the available relevant data and documents within the Department that are needed by the audit team members. They will include a brief statement of the project scope, road name, location, milepost limit, county, project title and number. The Consultant's team leader/facilitator must ensure that pertinent data and documents for the RSA are provided to team members at least one week before the audit-briefing meeting (unless a shorter time is allowed by the Department).

Deliverables: Compiled copy of relevant data and documents given to each team member.

1.3 Conduct RSA Kickoff Meeting

The Consultant's team leader/facilitator will schedule the briefing meeting, and notify the RSA team members, Department's PM, Region's PM. The Consultant's team leader/facilitator will acquire a meeting venue and ensure that all visual aids such as power point projector and white board (if needed) are available for the meeting. The Consultant's team leader/facilitator will preside over the meeting and ensure that the following goals are accomplished:

- a. Allow all team members to introduce themselves and give a brief description of their experience. The Department's RSA PM and Region PM may be present during the meeting to give clarification on intricate safety issues.
- b. Explain the RSA scope, objectives and goals of the selected project to the team.
- c. Identify team roles, responsibilities, evaluation and reporting procedures.
- d. Lead discussion with the team about the project with relevant data and documents including but not limited to crash data, traffic volume history, aerial photographs, design drawings, previous studies/reports, if available, and design criteria and known safety constraints or issues that were discussed by the Department's PM and Regions PM with the Consultant's team leader in Section 1.1 above.
- e. Discuss and set RSA completion schedule and report delivery date.

Deliverables: Meeting Minutes. Minutes must be brief and to the point.

1.4 Perform Field Reviews

After the briefing meeting, the Consultant's team leader/facilitator will lead the field review that will include both daytime and nighttime inspections. The field review may also include peak period and off-peak period observations, which will be determined by the team during the field review.

The Consultant's team leader/facilitator must ensure that the field review is conducted in a manner that is safe and maximizes time and effort. The Consultant's team leader/facilitator must provide field equipment such as safety vest and hats, tape recording machine, camera, flashlight and measuring instruments.

The team shall travel as a unit in a van stopping at different designated places to discuss the team observations and safety improvements. The Department will supply a van. The facilitator will designate a driver, note recorder and photographer from among the team members. Where appropriate, the RSA team will walk the audit site. The field review will include but is not limited to observations of road users' characteristics, surrounding land uses and traffic flow within and nearby the study area.

Deliverables: Photos, field review notes and team member sketches

1.5 Conduct Debriefing Meeting

At the end of the field review, the Consultant's team leader/facilitator will conduct a debriefing meeting to discuss and consolidate the team findings in order to formulate and prioritize the identified safety recommendations.

The team will decide by consensus, which recommendations are to be included in the report. Any comments, observations and safety improvement recommendations that do not go forward will be put into a spreadsheet and recorded together with the reasons why the issues are not to be considered. Safety improvement recommendations that are carried forward will be included in the report.

The Consultant's team leader/facilitator will determine with the audit team whether or not to meet with the Department's RSA PM and Region PM for the preliminary review of the findings and recommendations of the audited roadway.

Deliverables: RSA team findings and prioritized safety improvement recommendations. The lists of comments, observations and recommendations that were not considered by the audit team in spreadsheet format shall also be submitted.

1.6 Prepare Draft RSA Findings Report

The Consultant will write the draft audit report ensuring that all agreed upon comments and recommendations discussed during the debriefing meeting are included in the report.

The draft RSA report shall prioritize and categorize safety issues with recommended safety improvements. The Consultant must provide preliminary cost estimates and benefit/cost analyses (if applicable) for the recommended safety improvements. The Consultant's team leader/facilitator shall forward the draft RSA report to the team members for their review and comments prior to submission of draft report to the Department RSA PM and the Region PM.

1.7 Conduct Cost Analysis

The Consultant will provide cost analysis needed to support the safety improvement recommendations by the RSA team. The analysis includes cost estimating and benefit to cost ratio (if applicable). From the costs analysis results, safety improvements (recommended by the RSA team) will be categorized as low, medium and high cost improvements.

Deliverables: Cost analysis results and list of safety improvement recommendations by priority and category.

1.8 Present Draft RSA Findings Report to Department

Following the completion of the Draft RSA Report, the Consultant's team leader (team members may be present) will present the RSA findings to the Department's RSA PM and Region PM.

Deliverables: Draft RSA Findings Report including all pertinent documents.

1.9 Final RSA Findings Report Submission to Department

After all comments that came from the presentation of the draft RSA report to the Department's RSA PM and Region PM are duly addressed and incorporated into the report, the successful Consultant's team leader will submit the final report to the Department's PM and Region PM in accordance with the schedule agreed upon between the Department and Consultant. The report including all pertinent documents must be wet stamped by the Consultant's team leader/facilitator (Professional Engineer).

Deliverables: Final RSA Report including all pertinent documents.

1.10 Post RSA

The Consultant's Team Leader, the Department's RSA PM and Region PM will convene after the RSA is completed to assess the quality of the RSA and evaluate the contribution of the individual auditors.

Task 2: Develop a database for Safety Audits Lesson Learned (SALL)

The purpose of the SALL is to generate a database of information derived from audit observations and safety improvement recommendations. It will contain recommended measures

for every identified safety issue and will also include the safety recommendations that were implemented in projects and those that were not.

The SALL shall serve as an active database for the compendium of road safety engineering knowledge and practices. It will provide valuable input to transportation engineering to enhance safety.

- 2.1 The Consultant shall designate a “coordinator” among the Consultant’s qualified engineers to meet with the Department’s RSA PM and Region PM for the scope of work, goals, objectives, and schedules.
- 2.2 The Consultant shall compile all the RSA reports completed (4 RSA reports). The reports shall be sorted by counties, route names, demography, safety recommendations, and project manager responses to the audit reports, report data, and other information essential for SALL. The Consultant shall verify those safety recommendations specified in the RSA reports that were carried out in the project by either checking the final contract drawings and/or checking the actual field site.
- 2.3 The Consultant shall develop a database and/or a spreadsheet. The database shall be given to the Department’s PM. The successful Consultant shall continue to update the database with pertinent data as it is developed during the duration of this agreement.

Deliverables: The Consultant shall provide copies of the database (hard copy and in portable electronic format).

CONSULTANT RESPONSIBILITIES:

- A. The MDOT RSA Project Manager will be the first point of contact when determining need for Consultant personnel to aid MDOT in providing services for state jurisdictional work.
- B. Consultant shall furnish all services and labor necessary to conduct and complete the RSA’s, described herein.
- C. The Consultant shall also furnish all materials, equipment, supplies, and incidental necessary to perform the Services (other than those designated in writing to be furnished by the Department) consistent in supplying this work. The services shall be performed to the satisfaction of the Department consistent with applicable professional standards.
- D. The Services described herein are financed with public funds. The Consultant shall comply with all Federal and State laws, rules, and regulations.
- E. The Consultant shall notify the MDOT RSA PM, 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 RSA PM.

F. The Consultant shall provide the necessary personnel to adequately perform the requirements of this Agreement, and that his/her employees will possess the experience, knowledge, and character to qualify them for the particular duties each is to perform.

G. The Consultant shall provide a written Monthly Progress Report to MDOT RSA PM detailing hourly charges and appropriate MDOT job number that Consultant personnel has conducted during time period.

H. The Consultant will make contact with the MDOT RSA PM every two weeks to report progress and schedule report by phone, e-mail, or meeting.

MDOT RESPONSIBILITIES:

MDOT will provide five years of crash data, UD-10's, as built plans, drawings, aerials, a van for field review, RSA team members, timing permit, and any relevant information needed for the RSA.

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, sub consultant 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.