

**CHECKLIST TO DESIGNATE AREAS OF EVALUATION
FOR REQUESTS FOR PROPOSAL (RFP)**
Research Administration University Use Only

MDOT PROJECT MANAGER Deidre Thompson		JOB NUMBER (JN) TBD	CONTROL SECTION (CS) Statewide
DESCRIPTION Development of Performance Measures for Non-motorized Dynamics OR10-035			
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			
<input type="checkbox"/> TIER I (\$25,000-\$99,999)	<input checked="" type="checkbox"/> TIER II (\$100,000-\$250,000)	<input type="checkbox"/> TIER III (>\$250,000)	
<input type="checkbox"/>	<input checked="" 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"/>	<i>Safety Program</i>
N/A	<input type="checkbox"/>	<input type="checkbox"/>	Organizational Chart
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Qualifications of Team
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Past Performance
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Quality Assurance/Quality Control
<input type="checkbox"/>	<input checked="" 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) (No Resumes)	7 pages (MDOT Forms not counted)	19 pages (MDOT Forms not counted)	Total maximum pages for RFP not including key personnel resumes

REQUEST FOR PROPOSAL

The Michigan Department of Transportation is seeking professional services for the project contained in the attached Research Problem Statement.

The prime consultant must be a Michigan university. The prime consultant/vendor is responsible for the successful completion of the service and is expected to perform at least 40 percent of the services, by dollar value. The basis of payment is Actual Costs as defined in standard MDOT contracts.

If your organization is interested in providing services, please indicate your interest by submitting a proposal following the research guidelines near the top of MDOT's Request for Proposals Web page at http://www.michigan.gov/mdot/0,1607,7-151-9625_32842---,00.html.

RFP SPECIFIC INFORMATION

Problem Title: Development of Performance Measures for Non-Motorized Dynamics
ORBP Number: OR10-035

This is Best Value Selection which means the budget amount submitted with the proposal is a component of the proposal score, not the determining factor of the selection.

PROPOSAL SUBMITTAL INFORMATION

REQUIRED NUMBER OF COPIES FOR PROJECT MANAGER 8	PROPOSAL DUE DATE March 12, 2012	TIME DUE 5:00 PM, EST
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PROPOSAL AND BID SHEET MAILING ADDRESSES

Mail the multiple proposal package to:

Steve Bower, P.E., Engineer of Research Administration

First Class Mailing Address OR
Michigan Department of Transportation
Research Administration
P.O. Box 30050
Lansing, Michigan 48909

Overnight/Express Services Address
Michigan Department of Transportation
Research Administration
425 West Ottawa
Lansing, Michigan 48933

Mail one additional copy of the proposal to the Contracting Office indicated below:

First Class Mail: OR
Contract Services Division- B470
Michigan Department of Transportation
P.O. Box 30050
Lansing, Michigan 48909

Lansing Overnight Mail:
Contract Services Division- B470
Michigan Department of Transportation
425 West Ottawa
Lansing, Michigan 48933

BUDGET

Tier I
(\$25,000 - \$99,999)

Tier II
(\$100,000 - \$250,000)

Tier III
(>\$250,000)

GENERAL INFORMATION

Any questions relative to the Research Problem Statement must be submitted by e-mail to: mdot-research@michigan.gov. Questions must be received by 5 p.m. EST 5 business days prior to the RFP due date. All questions and answers will be placed on the MDOT RFP Web site as soon as possible after receipt of the questions and at least three (3) days prior to the due date listed above. The names of organizations 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 AND ORBP FORMS REQUIRED AS PART OF PROPOSAL SUBMISSION:

- 5100D – Request for Proposal Cover Sheet
- ORBP Research Proposal Budget Form Worksheet Appendix D
- ORBP Schedule of Research Activities Form- Appendix B
- ORBP Deliverables Table- Appendix A
- ORBP Initial Implementation Plan Form- Appendix C
- 5100J- Consultant Data and Presignature Sheet is required for signatory on this proposal

Michigan Department of Transportation

SCOPE OF SERVICE FOR RESEARCH SERVICES

TITLE: Development of Performance Measures for Non-Motorized Dynamics

OR#:OR10-035

The prime consultant must be a Michigan university

LOCATION: Statewide

WORK DESCRIPTION: Research on Development of Performance Measures for Non-motorized Dynamics

ANTICIPATED START DATE: 10/1/2012

ANTICIPATED COMPLETION DATE: 9/30/2013

MDOT RESEARCH PROJECT ADMINISTRATION MANAGER:

Michael Townley, P.E.
425 West Ottawa Street
Lansing, Michigan 48933
E-MAIL: mdot-research@michigan.gov

GENERAL INFORMATION:

1. PROBLEM TO ADDRESS: In 2009, there were 121 pedestrian and 19 bicycle fatalities in Michigan. This accounted for 16% of total fatalities. Both pedestrian and bicycle crashes are random and not concentrated in a particular areas except for the Detroit area. Due to the random nature of such crashes, it is difficult to apply countermeasures when scoping construction projects. It would be beneficial to MDOT Regions and TSC's to have a systematic approach when designing facilities for pedestrian and bicycle safety.

2. RESEARCH OBJECTIVES:

- Provide detailed analysis of high crash and low crash communities (Grand Rapids, Flint, East Lansing, and Ann Arbor) including inventory of non-motorized facilities and demographic, social and economic characteristics of four Michigan communities and how these factors affect crashes. Include vehicle and non-motorized use patterns, volumes and land use patterns in proximity to the locations.

- Compare facilities and demographic, social and economic characteristics of four Michigan Communities. The research team should identify cultural issues associated with pedestrian incidents. The project should conclude what issues can and cannot be addressed by engineering solutions.
- Provide systematic guidance for MDOT and local agencies based upon analysis.
- Provide data and informational guidance for pedestrian and bicycle safety measurement factors, including cost benefit analysis. The research should provide recommendations for the Michigan's Complete Streets policy as a follow up to the initial policy.

3. URGENCY: In light of the nationwide and statewide interest in complete streets policy, non-motorized safety is an increasingly important topic. Legislation for complete streets was recently adopted in the Michigan State Legislature and many local agencies are also adopting such policies. MDOT needs to be on the cutting edge in non-motorized safety in regards to facility knowledge and state-of-the-art implementation. Understanding facilities and how countermeasures are being implemented to address specific concerns will help MDOT achieve this.

4. IMPLEMENTATION: Executive summary and technical report made available to MDOT Staff. Training if needed at applicable Regional meetings.

5. BENEFIT TO MDOT: Development of systematic strategies for non-motorized safety will help to decrease pedestrian and bicycle crashes. Performance measurement is an important aspect of all businesses. MDOT has developed performance factors for many of its areas of business, however one area that is currently missing is non-motorized safety. Analysis of nationwide tools and how they can be applied or adjusted for Michigan will give MDOT better tools to assess non-motorized safety on measures other than crashes.

6. RISKS OR OBSTACLES TO RESEARCH: Most non-motorized activity occurs in warmer months. The researcher may run into on site data collection problems depending on weather conditions.

7. POSSIBLE INVESTIGATOR(S): The Investigator should have experience with pedestrian research and compiling information on community demographics. The Investigator should also have knowledge in statistical theory and have relevant research experience. Level II- Undergraduate degree in statistics and working experience in statistical analysis, is required

CONSULTANT RESPONSIBILITIES:

- Analyze 5 years of pedestrian and bicycle crash data and UD-10 reports for four communities in Michigan (Grand Rapids, Flint, East Lansing, and Ann Arbor), including but not limited to cause of crash and mapping of crashes. If a community has completed pedestrian and bicycle improvement, provide before and after analysis.
- Analyze demographic, social and economic characteristics of four communities in Michigan.
- Inventory pedestrian and bicycle facilities in the four communities in Michigan.
- Comparative analysis of crashes, demographic, social and economic characteristics and facilities including land use and non-motorized and vehicle traffic patterns.
- Analyze performance measurements developed by FHWA, AASHTO and other states for pedestrian and bicycle safety and provide guidance for adjusting Michigan performance measurements.
- Develop final report

Failure of any of the above will be found in noncompliance with the contract.

DELIVERABLES:

Technical report of analysis, guidance for implementation and training of MDOT/local agency staff. Initial inventory data base and format with guidelines on collection process, guidance for how to best collect inventory data, how data should be stored and updated. Analysis of nationwide non-motorized performance measures and guidance for application to Michigan. The research team should identify cultural issues associated with pedestrian incidents. The project should conclude what issues can and cannot be addressed by engineering solutions. Development of a guidance document for the use of performance measures and thresholds that indicate the need for non-motorized countermeasures. The research should provide recommendations for the Michigan's Complete Streets policy as a follow up to the initial policy.

The amount of deliverables will not exceed the tasks below for a two year period.

MDOT RESPONSIBILITIES:

Review and comment on all draft documents. Provide crash and traffic volume data on trunkline routes.

MDOT will identify the four communities to be used for this research study.

COORDINATION PROCEDURES

Work will be completed in compliance with the Research Implementation Manual

CONSULTANT PAYMENT

All billings for services must be directed to the Department and follow the current Research Implementation Manual. 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.

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 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 project manager.

Compensation for services will be reimbursed on actual cost basis.

PROPOSAL INFORMATION AND SCORING

Formal proposals are required and shall include the information as outlined in these Guidelines. This section is the information required in the proposal that will be used to score the qualifications of each consultant/vendor's proposal. The section numbering correlates to the score sheet. Therefore, the consultant/vendors should format their proposals consistent with the outline provided.

1. UNDERSTANDING OF SERVICE: 40 POINTS

Describe your understanding of the service and/or innovations and safety or other issues you intend to propose. This information is to be based on the scope of services.

Include any work item that you believe should be added to the scope of services, or any work item that is in the current scope of services which you believe should be altered. Describe the benefit to the service, the increase/decrease in hours and the increase/decrease to the cost of the research project due to the revision to this work item.

2. QUALIFICATIONS OF TEAM: 30 POINTS – The scoring for qualifications of team scoring will be one score based on the following information:

2.1 Structure of the Project Team (Personnel and Roles)

Describe the structure of the project team including the roles of all key personnel and subconsultant/vendors. For each subconsultant/vendor, describe role in service and include what percent of the named role that the subconsultant/vendor is expected to provide.

The consultant/vendor is contractually obligated to supply the key personnel proposed for this service. This includes maintaining them at the capacity level proposed. Any change in key personnel or their capacity level must have written approval of MDOT.

If applicable to the service, provide a communication plan of how the service team will communicate services information and resolve issues. Some RFPs may state that a communication plan is required.

2.2 Staff Service Experience

Provide resumes for each of the key staff of the prime and subconsultant/vendors. In addition to general resume information, the following information should be provided for service experience that is similar to the service being solicited:

- General description of the service
- Role of person in the service
- Service budget
- Year service was completed
- Name of client (agency or company)
- Role of consultant/vendors in the service (It is not required that the submitting consultant/vendors have a role)
- Name and phone number of person to contact for client
- If the service is a service related to a construction project, provide the route name, limits of construction, construction budget, general description of type of construction

The resume is limited to two pages per key staff member.

2.3. Organization Chart (Only include if required in RFP)

If required in the RFP, provide an organization chart of your service team including subconsultant/vendor(s). This chart must include the names of the key personnel selected for this service, their roles on the service, the name of the consultant/vendor by which they are employed, and lines of communication. The RFP may include a list of required key personnel for this service. The organization chart should show the personnel who meet these requirements. Also, indicate the people who will be points of contact with the MDOT project manager.

2.4 Required Statistical Qualification

In general, MDOT's research is in the category of applied research. Regardless what is the primary field of an applied research project, statistical analysis tools are the typical ones for handling the data to conduct applied research. For this reason, the research team must have the needed statistical knowledge and experiences for conducting applied research. The required knowledge level for a research team in statistical analyses, if defined in the RFP under the heading possible investigators, is classified into one of the following four categories:

- Level I: Master Degree or higher in Statistics and working experience in statistical analyses is required
- Level II: Undergraduate degree in Statistics and working experience in statistical analyses is required
- Level III: At least one college series of statistics courses and working experience in statistical analyses is required
- Level IV: at least one college statistics course and working experiences under statisticians is required
- Level V: No statistical analysis

Proposals not documenting statistical training and experience levels required in the RFP may be classified as non-responsive.

3. PAST PERFORMANCE: 30 POINTS

MDOT will review relevant performance evaluations for the past five years for prime and subconsultant/vendors that are being proposed. If the consultant/vendor has not previously worked for MDOT or has only had a few services opportunities that have been evaluated, this area should be used to provide other references for the selection team to contact. At a minimum, a phone number should be supplied for every reference. These would be in addition to those provided in the resumes in Section 2 and are limited to work completed in the past five years by the consultant/vendor.

Consultant/vendors are not required to submit prior evaluations with proposals, but should be aware that MDOT is reviewing prior evaluations.

4. QUALITY ASSURANCE/QUALITY CONTROL (QAQC) PLAN: 5 POINTS

Outline your consultant/vendor's QAQC plan for this service. Include background information of your selected QAQC manager for this service. The person performing the quality control review must have extensive experience with MDOT standards and practices.

5. LOCATION: 5 POINTS

This section will be scored for all solicitations. The consultant selection criteria will include a consideration of what percentage of the contracted work will be performed in Michigan. Consultant/vendor is required to provide the location of where the work will be performed by prime and/or subconsultant/vendors. The percentage of work performed in Michigan must be listed for

prime and/or subconsultant/vendors. The selection team will score the percentage of work performed in Michigan on all selections unless the project is for on-site inspection or survey activities. For those services, provide the location of the office(s) and key staff and where the service work will be managed/coordinated (indicating how far key personnel will have to travel to get to the site). If the work will be performed at various locations, provide this information.

As a guideline for the scoring percentage of work performed in Michigan, please use the following:

Percentage of Work
To Be Done in Michigan
Score

95% to 100%	5
80% to 94%	4
50% to 79%	3
25% to 49%	2
10% to 24%	1
Less than 10%	0

6. PRICE: 40 POINTS

The total price of the proposal will be scored using a scale determined by the MDOT selection team.

TOTAL POINTS: 150

Research Proposal Budget Form Worksheet

Project Title

Research Organization

Project Duration

									FY1	FY2	FY3	FY4	TOTAL	
SALARIES & WAGES -- MUST COMPLY WITH OMB CIRCULAR A-21														
Specify number of hours to be worked and hourly rate for each individual below: Examples of role of individual are PI, Technician, Grad Student, etc.														
(role of individual)														
Name of individual														
Enter FY														
rate & hrs														
	FY1 rate	FY1 hrs	FY2 rate	FY2 hrs	FY3 rate	FY3 hrs	FY4 rate	FY4 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
(role of individual)														
Name of individual														
Enter FY														
rate & hrs														
	FY1 rate	FY1 hrs	FY2 rate	FY2 hrs	FY3 rate	FY3 hrs	FY4 rate	FY4 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
(role of individual)														
Name of individual														
Enter FY														
rate & hrs														
	FY1 rate	FY1 hrs	FY2 rate	FY2 hrs	FY3 rate	FY3 hrs	FY4 rate	FY4 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
(role of individual)														
Name of individual														
Enter FY														
rate & hrs														
	FY1 rate	FY1 hrs	FY2 rate	FY2 hrs	FY3 rate	FY3 hrs	FY4 rate	FY4 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
(role of individual)														
Name of individual														
Enter FY														
rate & hrs														
	FY1 rate	FY1 hrs	FY2 rate	FY2 hrs	FY3 rate	FY3 hrs	FY4 rate	FY4 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
(role of individual)														
Name of individual														
Enter FY														
rate & hrs														
	FY1 rate	FY1 hrs	FY2 rate	FY2 hrs	FY3 rate	FY3 hrs	FY4 rate	FY4 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Total Salary & Wages									\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

FRINGE BENEFITS -- MUST COMPLY WITH OMB CIRCULAR A-21										
Indicate Employee, appropriate negotiated rate for each and description of who the rate applies to. (e.g. - Sam Smith, 25%, Summer Faculty.)										
Name										
(Rate Description)										
(% rate)	FY1	FY2	FY3	FY4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Name										
(Rate Description)										
(% rate)	FY1	FY2	FY3	FY4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Name										
(Rate Description)										
(% rate)	FY1	FY2	FY3	FY4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Name										
(Rate Description)										
(% rate)	FY1	FY2	FY3	FY4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Name										
(Rate Description)										
(% rate)	FY1	FY2	FY3	FY4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Name										
(Rate Description)										
(% rate)	FY1	FY2	FY3	FY4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Total Fringe Benefits					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SUBCONTRACTOR -- MUST COMPLY WITH OMB CIRCULAR A-21										
A copy of the subcontractor's budget must be attached. An MDOT approved subcontract is required for subcontractor costs in excess of \$25,000 prior to payment of invoices that contain subcontractor work. List all subcontractors on a separate line.										
Subcontractor Name & Amt.										\$0.00
Subcontractor Name & Amt.										\$0.00
Subcontractor Name & Amt.										\$0.00
Sub-Total Subcontractor					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRAVEL -- MUST COMPLY WITH OMB CIRCULAR A-21										
Must be in accordance with IDS contract requirements.										
In-State Travel (Destinations within Michigan)										
Provide destination, purpose, total mileage, total # of days, total # of meals, total # trips, names of individual(s) traveling										\$0.00
Out-of-State Travel (Prior approval required)										
Provide destination, purpose, total mileage, total # of days, total # of meals, total # trips, names of individual(s) traveling										\$0.00
Sub-Total Travel					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

SUPPLIES -- MUST COMPLY WITH OMB CIRCULAR A-21 (Few items not allowed are: computers, printers, monitors, fax machines, printer paper, toner cartridges, pens, pencils, legal pads, clips, rubber bands, post-it notes, books, notebooks, binders, folders, diskettes, postage stamps, chairs, office furniture, calendars, paper punches, business cards, staplers, waste cans, etc.)

Provide details if cost exceeds \$2,000. Individual line items in excess of \$1,000 require a detailed explanation regardless of total cost.

(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
Sub-Total Supplies		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

CAPITAL EQUIPMENT -- MUST COMPLY WITH OMB CIRCULAR A-21 - Purchased specifically for this project

List items with a value in excess of \$500. Equipment in excess of \$5,000 requires prior approval.

(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
Sub-Total Equipment		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

OTHER EXPENSES -- MUST COMPLY WITH OMB CIRCULAR A-21 (Few items not allowed are: memberships in professional & scientific organizations, local telephone lines, cell phones, etc.)

Any project expense which does not fall into another category. Provide detailed explanation of the expense and applicable breakdown of costs (e.g. graduate student tuition).

(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
(Description)						\$0.00
Sub-Total Other Expenses		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Total Sub-Totals \$0.00 \$0.00 \$0.00 \$0.00 \$0.00

INDIRECT COSTS -- MUST COMPLY WITH OMB CIRCULAR A-21 (Subconsultant fees, tuition, & costs indirectly related to the project shall not have the indirect rate applied in accordance with Circular A-21.) Indirect cost rates are negotiated between the university and it's cognizant agency. Indicate the type of negotiated indirect rate used and the percentage. (e.g. On Campus Research, 52%)

(Type)		(%)								
			FY1	FY2	FY3	FY4				
Enter \$ Amt per FY							\$0.00	\$0.00	\$0.00	\$0.00
Total Indirect Costs			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

TOTAL PROJECT COSTS \$0.00 \$0.00 \$0.00 \$0.00 \$0.00

UNIVERSITY MATCHING FUNDS \$0.00

TOTAL MDOT PROJECT COSTS \$0.00 \$0.00 \$0.00 \$0.00 \$0.00