Michigan Department
Of Transportation
5100B (05/13)

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

REQUISITION NUMBER	DUE DATE	TIME DUE
1590	10/6/2014	noon EST

MDOT PROJECT MANAGER	JOB NUMBER (JN)	CONTROL SECTION (CS)
Mary Bramble	Multiple	84900

DESCRIPTION
Pavement marking retroreflectivity readings and condition assessment in Spring 2015.

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
☐ **TIER 1 ($50,000 - $150,000)**	☑ **TIER II ($150,000-$1,000,000)**	☐ **TIER III (>$1,000,000)**	
☐	☐	☐	Understanding of Service **
☐	☐	☐	*Innovations*
☐	☐	☐	Organizational Chart
☐	☐	☐	Qualifications of Team
Not required as part of Official RFP	Not required as part of Official RFP	☐	Quality Assurance/Quality Control **
☐	☐	☐	**Location:** The percentage of work performed in Michigan will be used for all selections unless the project is for on-site 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	☐	Presentation **
N/A	N/A	☐	Technical Proposal (if Presentation is required)
3 pages (MDOT Forms not counted) **(No Resumes)**	7 pages (MDOT Forms not counted)	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

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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

SPECIAL BIDDING INFORMATION
FOR
TRAFFIC AND SAFETY SERVICES
Retro-Reflectivity Measurements

The Michigan Department of Transportation (MDOT) will receive sealed bids from firms to provide retro-reflectivity readings and condition assessments of waterborne paint and spray thermoplastic pavement marking material in report form for eleven Regions/Transportation Service Centers (TSCs) numbered below. In addition, firms will provide retro reflectivity readings of durable markings in various locations.

1. **Bay Region,** which consists of the following counties: Arenac, Bay, Clare, Genesee, Gladwin, Gratiot, Huron, Isabella, Lapeer, Midland, Saginaw, Sanilac, and Tuscola

2. **Grand Region,** which consists of the following counties: Ionia, Kent, Mecosta, Montcalm, Muskegon, Newaygo, Oceana, and Ottawa

3. **Metro Region,** which consists of the following counties: Macomb, Oakland, St. Clair, and Wayne

4. **North Region** which consists of the following counties: Alcona, Alpena, Antrim, Benzie, Charlevoix, Cheboygan, Crawford, Emmet, Grand Traverse, Iosco, Kalkaska, Lake, Leelanau, Manistee, Mason, Missaukee, Montmorency, Ogemaw, Osceola, Oscoda, Otsego, Presque Isle, Roscommon, and Wexford

5. **Southwest Region**, which consists of the following TSCs:

- **a.** **Coloma TSC,** which consists of the following counties: Berrien, Cass, and Van Buren
- **b.** **Kalamazoo TSC,** which consists of the following counties: Allegan, Kalamazoo, and St. Joseph
- **c.** **Marshall TSC,** which consists of the following counties: Barry, Branch, and Calhoun

6. **Superior Region,** which consists of all counties in Michigan's Upper Peninsula

7. **University Region**, which consists of the following TSCs:

- **a.** **Brighton TSC,** which consists of the following counties: Livingston, Monroe, and Washtenaw
- **b.** **Jackson TSC,** which consists of the following counties: Hillsdale, Jackson, and Lenawee
- **c.** **Lansing TSC,** which consists of the following counties: Clinton, Eaton, Ingham, and Shiawassee

MDOT proposes to enter into a contract or contracts for retro-reflectivity readings and condition assessments for the corresponding reports in each numbered Region/TSC listed above. Consultants interested in any or all of the Regions/TSCs listed above should submit a bid sheet for each one to be considered.

Bids are due by October 6, 2013 at noon EST to:

MDOT-RFP-Response@michigan.gov

The lowest "Total Bid" price from the bid sheets for each individual Region/TSC will be used for selection. Multiple selections and contracts may result from this advertisement.

A public bid opening will be held at the following location:

Michigan Department of Transportation
Traffic and Safety Support Area
425 W. Ottawa St.
Lansing, Michigan 48933

Consultants need not be present at the bid opening, but are welcome to attend.

GENERAL NOTICE:

Bids must be signed by an agent authorized to bind the Consultant. Bids must remain valid for a period of at least 120 days from the bids due date.

All information in a Consultant's proposal/bid and any contract resulting from it are subject to disclosure under the provisions of the "Freedom of Information Act," 1976 Public Act No. 442, as amended, MCL 15.231, et seq.

The contents of the selected Consultant's proposal/bid shall become contractual obligations if a contract ensues. Failure of the selected Consultant to accept these obligations and/or honor these bids will result in cancellation of the contract.

Any questions should be submitted by e-mail to Mary Bramble at bramblem1@michigan.gov. Questions must be received no less than 5 business days prior to the bids due date.

Michigan Department of Transportation

SCOPE OF SERVICES
FOR
TRAFFIC AND SAFETY SERVICES
Retro-Reflectivity Measurements

CONTROL SECTION: 84900

JOB NUMBER(S) AND LOCATIONS:

LOCATIONS	RETRO JN.
Bay Region	125218
Brighton TSC	125219
Coloma TSC	125221
Grand Region	125222
Jackson TSC	125223
Kalamazoo TSC	125224
Lansing TSC	125225
Marshall TSC	125226
Metro Region	125227
North Region	125228
Superior Region	125229

PROJECT DESCRIPTION:

Provide spring retro-reflectivity measurements and spring condition assessments for waterborne paint and spray thermoplastic pavement marking material in report form. Also provide spring retro-reflectivity readings on various durable markings in report format.

Spring condition assessments will be a subjective summary from the Consultant. A process to be used to determine the condition assessment rating will be provided by the Consultant prior to beginning work subject to the approval of the Project Manager. When summarizing condition, the Contractor shall provide video on CD of one condition assessment location for each of the eleven (11) Region/TSC job numbers. The condition assessment location can be any randomly selected 2-mile section of roadway and should represent what a driver would see from their vantage point. Overlay the retro readings for this site.

ANTICIPATED SERVICE START DATE: April 1, 2015

ANTICIPATED SERVICE COMPLETION DATE: August 31, 2015
June 30, 2015 – spring readings and reports

PRIMARY PREQUALIFICATION CLASSIFICATION(S): N/A

SECONDARY PREQUALIFICATION CLASSIFICATION(S): N/A

DBE REQUIREMENT: N/A

MDOT PROJECT ENGINEER MANAGER:

Mary K. Bramble, Sr. Pavement Marking Engineer
Traffic Operations
Michigan Department of Transportation
P.O. Box 30050
Lansing, MI 48909
Phone: 517-335-2837
Fax: 517-373-2330
E-mail: bramblem1@michigan.gov

BACKGROUND:

The Michigan Department of Transportation (MDOT) has mobile retro-reflectivity measurements taken on 10 to 20 percent of all state trunklines each year. Continuous reflectivity measurements are taken, over a minimum of two miles, and averaged together for each test section.

These measurements allow MDOT to monitor the quality of markings on the roadways.

Reflectivity measurements taken on centerlines striped in the rumble strips are noted, but reported with measurements taken on centerlines striped on non-rumbled locations.

MDOT is seeking bids for spring retro-reflective measurements and condition assessments for waterborne and/or sprayable thermoplastic pavement marking materials on the pavement marking projects in the locations noted previously.

MDOT is also seeking bids for spring measurements for various durable products in the Metro, North, and Superior Regions and the Brighton, Coloma, Kalamazoo, Jackson, and Marshall TSCs.

Measurement quantities per Region or TSC have been listed separately in the attached Consultant Bid Sheet, pages 1 through 11.

CONSULTANT RESPONSIBILITIES:

A minimum of one week prior to starting work, the Consultant will provide the Project Manager, Contractor and appropriate Construction staff a proposed schedule of work to be completed. Thereafter, the Consultant will provide an updated schedule to the Project Manager and appropriate Construction staff if changes are made to ensure the program is properly measured.

The Consultant shall work directly with appropriate Construction staff and the pavement marking Contractor to obtain completed contract work records. Since the retro-reflective measurements on each route are random, the resulting final retro-reflective measurements shall be considered representative of the entire route.

The contract work includes the following tasks:

1. A process to be used to determine the condition assessment rating will be provided by the Consultant prior to beginning work, subject to the approval of the Project Manager.
2. Performing spring retro-reflective measurements and condition assessments in 2015 on waterborne and spray thermoplastic placed in 2014.
3. Identification of the Manufacturer/Supplier of the products placed in 2014 (bead and binder) used at each location to be measured.
4. Issuing a report and video of one 2-mile section on the spring data by June 30, 2015.
5. Performing spring 2015 retro-reflective measurements on durable products placed in previous years.
6. Identification of the Manufacturer/Supplier of the durable product(s) used at each location to be measured and the year of installation.
7. Issuing a report on the durable marking data by June 30, 2015.

Failure to complete the above tasks as described in this scope of services may initiate termination of the contract.

Equipment and Personnel Requirements

Quality assurance documentation shall be provided by the Consultant to indicate that a daily calibration process has been done successfully on the measurement equipment.

Equipment requirements for this work shall be 30 meter mobile laser technology. Use of other mobile equipment or use of hand-held equipment will not be allowed.

Field Work

Progress Schedule-

All marking data collection for spring measurements is to be performed between April 1, 2015 and June 15, 2015.

For spring waterborne and spray thermo condition summaries, video overlay showing the retro reflectivity measurements and a video of the roadway condition shall be required for one randomly selected 2-mile section per location.

Reports

Eleven (11) 2015 spring reports will be issued. Reports and videos will be due June 30, 2015.

Waterborne and Sprayable Thermoplastic measurements are to be identified and separated for the average measurements.

Durable products are to be identified and separated for the average measurements.

Identify the Manufacturer/Supplier of the bead and binder used at each location measured.

Use the following table to report average measurements:

Table 1. Average Readings

White Lines	Yellow Lines
Ave. Segment Reading (in millicandelas)	Ave. Segment Reading (in millicandelas)
≥375	≥186
251- 374	140-185
175 - 250	125-139
101-174	101-124
≤100	≤100

All measurement reports shall contain the following:

- Route identification.
- Date and direction the route is measured.
- Location of the section measured so MDOT personnel or the Contractor may return to the exact location to review the measurement site. The description shall include as a minimum, the control section, the starting and stopping point by control section mileage point, and a physical description of the start point (i.e. Main St.).
- Average of each line per route measured.
- Line average for each line and color by material type and line width.
- Identification of material type (i.e. waterborne or sprayable thermoplastic).
- Identification of material Supplier and bead Supplier.
- Identification of the measurements taken on rumble strips (centerline).
- Measurement vehicle/laser identification number.
- Comparison of the data collected on each route to the average readings listed in Table 1.

Sample Tables for use in Reports (**for format only**) are as follows:

Table 2

WATERBORNE
4" Yellow Markings (Centerlines)

RL RANGE	# OF CL SITES	% OF SITES
> 185	5	20.83%
140-185	15	62.50%
125-139	4	16.67%
101-124	0	0.00%
< 101	0	0.00%
TOTAL	24	100.00%

Table 3

SURVEY DATE	MICH ROUTE	CONTROL SECTION	BEG MP	END MP	R_L DIR	LINE TYPE	MATERIAL TYPE	LINE WIDTH	AVG MCD	START PT DESCRIPTION
11/16/2011	21	76062	2	4	E	LL	Spray Thermo	4	340	2M E OF JCT M-52
11/16/2011	21	76062	4	2	W	LL	Spray Thermo	4	344	4M E OF JCT M-52
							Avg white lane line (Spray Thermo) =		***342.00***	

The Consultant will provide two (2) bound copies of each report. Provide a pdf file of each report.

- Provide video for one randomly selected 2-mile section per location showing condition assessment for waterborne and sprayable thermoplastic.
- Provide a summary of the condition assessment of waterborne and sprayable thermoplastic per route using Consultant supplied guideline for determining condition.
- Provide a summary of the retro reflectivity readings for durables per route.

Liquidated damages in the amount of $1,000.00 per report per day may be assessed against the measurement contract for each day the report is not delivered to the Project Manager.

Summary of Data Files

The Consultant will provide a database table, or delimited text file containing a summary of **all raw data** collected in the Region or TSC. The electronic file must be capable of being directly uploaded into the Department's database.

Among other things, this file shall contain:

1. Control Section
2. Actual mile point
3. Pavement marking product type
4. Material Manufacturer
5. Bead type and Supplier
6. A count of the 0.1 mile station averages falling within specified ranges

The summary of data files shall be delivered to the Project Manager or designee prior to final payment.

REQUIRED GUIDELINES AND STANDARDS:

Safety: The Consultant shall perform field operations in accordance with the Department's Personal Protective Equipment (PPE) Policy as stated in the MDOT Guidance Document #10118. The Consultant shall perform field operations in accordance with MIOSHA regulations and accepted safety practices.

MEASUREMENT AND PAYMENT:

Travel and sustenance are included in the pay items below and are the responsibility of the Consultant.

Spring 2015

The pay items **Retro-Reflectivity Measurement, White, 4 inch, Retro-Reflectivity Measurement, White, 6 inch, Retro-Reflectivity Measurement, Yellow, 4 inch** and **Retro-Reflectivity Measurement, Yellow, 6 inch** includes all mobilization, labor, equipment, sampling, data files, analysis of retro-reflective measurements, **condition measurements and video.**

The pay items **Retro-Reflectivity Measurement, Durable_White, 4 inch, Retro-Reflectivity Measurement, Durable_White, 6 inch, Retro-Reflectivity Measurement, Durable_Yellow, 4 inch** and **Retro-Reflectivity Measurement, Durable_Yellow, 6 inch** includes all mobilization, labor, equipment, sampling, data files, and analysis of retro-reflective measurements.

The Project Manager will be provided with a copy of the analytical results as described in this scope of services. This item will be paid for at the unit price per foot within the maximum quantity indicated for the line item.

The Consultant shall ensure the measurements taken are from the proper Contractor-related work area. Work measured that is identified in an area other than the assigned measurement project area will not be paid for.

The Consultant shall not exceed the proposed quantity shown in the pay items. Any quantities measured beyond proposed plan quantities will not be paid for by the Department without prior written approval from the Project Manager.

The Department will not make final payment until all reports have been issued.

CONSULTANT PAYMENT:

Compensation for this project shall be on a **unit price** basis. This basis of payment typically includes a maximum quantity of units and a maximum reimbursable cost per unit.

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.

CONSULTANT BID SHEET - UNIT PRICE

This bid sheet is required with the response to the Request for Proposal (RFP). All entries on this page must be handwritten in ink or computer generated. Compensation for this project shall be on a **Unit Price** basis.

Priced proposal costs will be required after selection, in accordance with MDOT's Priced Proposal Guidelines which can be found on the MDOT web page under Vendor/Consultant Services. Payment to the Consultant for services rendered shall not exceed the total bid price.

Note: MDOT reserves the right to reject any or all bids.

Retro-Reflectivity Measurements on Various Routes Statewide

Bay Region

ITEMS OF WORK – **Spring Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity Measurement, White	4 inch	415,270	Foot		
	6 inch	3,052,000	Foot		
Retro-Reflectivity Measurement, Yellow	4 inch	1,102,380	Foot		
	6 inch	862,880	Foot		

Total Bid: _____

Consultant Name: _____

Consultant Signature: _____

Date: _____

The Michigan Department of Transportation reserves the right to reject any or all bids.

Check "UNIT PRICE" column for omissions before entering bid total.

Retro-Reflectivity Measurements on Various Routes Statewide

Brighton TSC

ITEMS OF WORK – **Spring Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity Measurement, White	4 inch	164,920	Foot		
	6 inch	748,450	Foot		
Retro-Reflectivity Measurement, Yellow	4 inch	271,140	Foot		
	6 inch	460,410	Foot		

ITEMS OF WORK – **Spring Durable Marking Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity, Measurement, Durable, White	4 inch	65,000	Foot		
	6 inch	370,000	Foot		
Retro-Reflectivity Measurement, Durable Yellow	4 inch	7,000	Foot		
	6 inch	270,000	Foot		

Total Bid: _____

Consultant Name: _____

Consultant Signature: _____

Date: _____

The Michigan Department of Transportation reserves the right to reject any or all bids.

Check “UNIT PRICE” column for omissions before entering bid total.

Retro-Reflectivity Measurements on Various Routes Statewide

Coloma TSC

ITEMS OF WORK – **Spring Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity Measurement, White	4 inch	104,400	Foot		
	6 inch	853,400	Foot		
Retro-Reflectivity Measurement, Yellow	4 inch	315,000	Foot		
	6 inch	315,000	Foot		

ITEMS OF WORK – **Spring Durable Marking Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity, Measurement, Durable, White	4 inch	66,700	Foot		
	6 inch	0	Foot	-	-
Retro-Reflectivity Measurement, Durable Yellow	4 inch	0	Foot	-	-
	6 inch	0	Foot	-	-

Total Bid: _____

Consultant Name: _____

Consultant Signature: _____

Date: _____

The Michigan Department of Transportation reserves the right to reject any or all bids.

Check “UNIT PRICE” column for omissions before entering bid total.

Retro-Reflectivity Measurements on Various Routes Statewide

Grand Region

ITEMS OF WORK – **Spring Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity Measurement, White	4 inch	307,350	Foot		
	6 inch	1,949,270	Foot		
Retro-Reflectivity Measurement, Yellow	4 inch	685,340	Foot		
	6 inch	853,540	Foot		

Total Bid: _____

Consultant Name: _____

Consultant Signature: _____

Date: _____

The Michigan Department of Transportation reserves the right to reject any or all bids.

Check “UNIT PRICE” column for omissions before entering bid total.

Retro-Reflectivity Measurements on Various Routes Statewide

Jackson TSC

ITEMS OF WORK – **Spring Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity Measurement, White	4 inch	40,170	Foot		
	6 inch	829,270	Foot		
Retro-Reflectivity Measurement, Yellow	4 inch	379,180	Foot		
	6 inch	91,990	Foot		

ITEMS OF WORK – **Spring Durable Marking Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity, Measurement, Durable, White	4 inch	0	Foot	-	-
	6 inch	230,000	Foot		
Retro-Reflectivity Measurement, Durable Yellow	4 inch	9,000	Foot		
	6 inch	150,000	Foot		

Total Bid: _____

Consultant Name: _____

Consultant Signature: _____

Date: _____

The Michigan Department of Transportation reserves the right to reject any or all bids.

Check “UNIT PRICE” column for omissions before entering bid total.

Retro-Reflectivity Measurements on Various Routes Statewide

Kalamazoo TSC

ITEMS OF WORK – **Spring Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity Measurement, White	4 inch	96,380	Foot		
	6 inch	667,130	Foot		
Retro-Reflectivity Measurement, Yellow	4 inch	313,220	Foot		
	6 inch	183,610	Foot		

ITEMS OF WORK – **Spring Durable Marking Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity, Measurement, Durable, White	4 inch	100,000	Foot		
	6 inch	350,000	Foot		
Retro-Reflectivity Measurement, Durable Yellow	4 inch	0	Foot	-	-
	6 inch	350,000	Foot		

Total Bid: _____

Consultant Name: _____

Consultant Signature: _____

Date: _____

The Michigan Department of Transportation reserves the right to reject any or all bids.

Check “UNIT PRICE” column for omissions before entering bid total.

Retro-Reflectivity Measurements on Various Routes Statewide

Lansing TSC

ITEMS OF WORK – **Spring Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity Measurement, White	4 inch	175,960	Foot		
	6 inch	989,530	Foot		
Retro-Reflectivity Measurement, Yellow	4 inch	332,430	Foot		
	6 inch	484,950	Foot		

ITEMS OF WORK – **Spring Durable Marking Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity, Measurement, Durable, White	4 inch	30,000	Foot		
	6 inch	100,000	Foot		
Retro-Reflectivity Measurement, Durable Yellow	4 inch	10,000	Foot		
	6 inch	100,000	Foot		

Total Bid: _____

Consultant Name: _____

Consultant Signature: _____

Date: _____

The Michigan Department of Transportation reserves the right to reject any or all bids.

Check “UNIT PRICE” column for omissions before entering bid total.

Retro-Reflectivity Measurements on Various Routes Statewide

Marshall TSC

ITEMS OF WORK – **Spring Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity Measurement, White	4 inch	84,500	Foot		
	6 inch	712,810	Foot		
Retro-Reflectivity Measurement, Yellow	4 inch	315,350	Foot		
	6 inch	214,450	Foot		

ITEMS OF WORK – **Spring Durable Marking Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity, Measurement, Durable, White	4 inch	20,000	Foot		
	6 inch	120,000	Foot		
Retro-Reflectivity Measurement, Durable Yellow	4 inch	0	Foot	-	-
	6 inch	120,000	Foot		

Total Bid: _____

Consultant Name: _____

Consultant Signature: _____

Date: _____

The Michigan Department of Transportation reserves the right to reject any or all bids.

Check “UNIT PRICE” column for omissions before entering bid total.

Retro-Reflectivity Measurements on Various Routes Statewide

Metro Region

ITEMS OF WORK – **Spring Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity Measurement, White	4 inch	440,000	Foot		
	6 inch	1,200,000	Foot		
Retro-Reflectivity Measurement, Yellow	4 inch	420,000	Foot		
	6 inch	840,000	Foot		

ITEMS OF WORK – **Spring Durable Marking Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity, Measurement, Durable, White	4 inch	150,000	Foot		
	6 inch	90,000	Foot		
Retro-Reflectivity Measurement, Durable Yellow	4 inch	0	Foot	-	-
	6 inch	90,000	Foot		

Total Bid: _____

Consultant Name: _____

Consultant Signature: _____

Date: _____

The Michigan Department of Transportation reserves the right to reject any or all bids.

Check “UNIT PRICE” column for omissions before entering bid total.

Retro-Reflectivity Measurements on Various Routes Statewide

North Region

ITEMS OF WORK – **Spring Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity Measurement, White	4 inch	223,770	Foot		
	6 inch	3,789,510	Foot		
Retro-Reflectivity Measurement, Yellow	4 inch	1,591,820	Foot		
	6 inch	472,610	Foot		

ITEMS OF WORK – **Spring Durable Marking Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity, Measurement, Durable, White	4 inch	330	Foot		
	6 inch	10,100	Foot		
Retro-Reflectivity Measurement, Durable Yellow	4 inch	20,200	Foot		
	6 inch	0	Foot	-	-

Total Bid: _____

Consultant Name: _____

Consultant Signature: _____

Date: _____

The Michigan Department of Transportation reserves the right to reject any or all bids.

Check “UNIT PRICE” column for omissions before entering bid total.

Retro-Reflectivity Measurements on Various Routes Statewide

Superior Region

ITEMS OF WORK – **Spring Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity Measurement, White	4 inch	138,000	Foot		
	6 inch	3,440,800	Foot		
Retro-Reflectivity Measurement, Yellow	4 inch	1,443,600	Foot		
	6 inch	119,600	Foot		

ITEMS OF WORK – **Spring Durable Marking Readings**		QUANTITY	UNIT	UNIT PRICE	TOTAL
Retro-Reflectivity, Measurement, Durable, White	4 inch	9,000	Foot		
	6 inch	20,000	Foot		
Retro-Reflectivity Measurement, Durable Yellow	4 inch	60,000	Foot		
	6 inch	-	Foot	-	-

Total Bid: _____

Consultant Name: _____

Consultant Signature: _____

Date: _____

The Michigan Department of Transportation reserves the right to reject any or all bids.

Check “UNIT PRICE” column for omissions before entering bid total.