

REQUEST FOR PROPOSAL

8/12/2020

CONTRACT FOR PROFESSIONAL SERVICES

**Pavement Condition Survey & HPMS Data Collection 2021-2024
Project Number: SPR-1(111)/107838-128000
Statewide**

**Issuing Office
Mississippi Department of Transportation
P. O. Box 1850
Jackson, Mississippi 39215-1850**

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**PART 1:
GENERAL INFORMATION FOR CONSULTANT(S)**

I. Purpose

This Request for Proposal (RFP) is intended to provide interested consulting firms (hereinafter referred to as CONSULTANT(s)) with sufficient information for the preparation and submission of a proposal (hereinafter referred to as PROPOSAL) for consideration by the Mississippi Transportation Commission (hereinafter referred to as the **COMMISSION**). The services requested consist of the following:

Provide Pavement Condition Survey and Roadway Inventory of the state-maintained highway system, the National Highway System (NHS) and the Highway Performance Monitoring System (HPMS), Statewide (hereinafter referred to as the PROJECT). Additional services may apply as identified in this RFP.

II. Issuing Office

This RFP is issued by the Mississippi Department of Transportation (MDOT) on behalf of the **COMMISSION**. CONSULTANT(s) submitting PROPOSALS must comply with the instructions in this RFP, Legal Ad, and any addenda. The issuing office is identified below:

Stephen Rone, P.E.
Mississippi Department of Transportation
Consultant Services Unit
P.O. Box 1850
Jackson, Mississippi 39215-1850
Or e-mail Stephen Rone
srone@mdot.ms.gov

III. Intent of the COMMISSION

The intent of the **COMMISSION** is to negotiate a Contract for Professional Services with the most qualified CONSULTANT to provide the services specified herein. This document does not and is not intended to include or address every item that will be included or addressed in the contract for professional services.

IV. The Selection Process

Selection of a CONSULTANT will be based on the criteria established in this RFP and/or any addenda. CONSULTANT(s) **shall not** submit any cost or price information with their PROPOSALS. CONSULTANT(s) for this RFP should submit complete PROPOSALS sufficient for final selection of the most qualified firm. The MDOT will then select the most qualified firm based on the criteria. The **MDOT** reserves the right to select the CONSULTANT for negotiations using one of the following methods:

- A. Final ranking of all PROPOSALS based on the initial response to this RFP, or

- B. Selection of a *Short List* of at least three (3) and not more than five (5) qualified CONSULTANTS, if available. CONSULTANTS on the *Short List* will then be asked to make presentations and/or provide additional information to the appropriate MDOT staff. The *Short-listed* CONSULTANTS will be notified by a written letter. The letter will provide all pertinent information necessary to prepare for the presentation and/or request for additional information. If this *Short List* method is used, final ranking will be made after the Selection Committee evaluates the *Short-listed* CONSULTANTS.

Once the most qualified firm is selected, MDOT will enter into negotiations for a sound scope, costs, and a schedule. The MDOT will draft a contract for the most qualified CONSULTANT to execute based on the description of work established in this RFP and/or any addenda. If MDOT is unable to negotiate a contract with the selected CONSULTANT at a fair and reasonable cost, then MDOT may select the next most qualified firm on the selection list until a contract has been executed. In addition, time is of the essence in negotiation and execution of the contract from the selected CONSULTANT. If the selected CONSULTANT does not execute the contract or is unable to meet any contractual requirements within 15 days of receipt, then MDOT may select the next most qualified firm on the selection list until a contract has been executed.

The MDOT reserves the right to request additional information with any party at any time prior to final contract execution.

The MDOT reserves the right to obtain references from any source listed in the PROPOSAL and any other source deemed appropriate for any of the requirements/criteria listed in this RFP.

V. Type of Contract

The contract shall utilize a **cost plus fixed fee, labor hour/unit cost or lump sum/firm fixed payment method to include a maximum “not to exceed” amount**. The contract will provide general terms and conditions for performance of services, as well as specific instructions for fees, billing, payment, and other related items.

After the most qualified CONSULTANT is selected by the MDOT, costs will be negotiated between the most qualified CONSULTANT and MDOT for all necessary services provided to MDOT in support of this PROJECT. Direct Expenses may be reimbursable and will count towards the “not to exceed” amount negotiated as part of the contract.

An example of a typical MDOT professional services contract template may be found on the website at the web link indicated below. The template will be identified as “Professional Services Contract Template.”

https://mdot.ms.gov/portal/consultant_services_unit_documents#c1427

All written questions regarding this contract template shall be e-mailed to the below addressees no later than **the date and time indicated in Part 1, Section XXIII. Procurement Schedule.**

Stephen Rone
srone@mdot.ms.gov

and copy (Cc)
Maggie Brown
mabrown@mdot.ms.gov

MDOT may update this contract template throughout the procurement process. MDOT intends to post the final contract template for this PROJECT to the website indicated above no later than **the date indicated in Part 1, Section XXIII. Procurement Schedule.** Contract terms after this date are non-negotiable; however, MDOT reserves the right to modify the contract terms at its discretion.

The COMMISSION intends to utilize this template in order to execute a contract with the selected CONSULTANT.

VI. Rejection of PROPOSALS and/or Discontinuance of Contract Execution

The COMMISSION reserves the right to reject any and all PROPOSALS and/or to discontinue contract execution or contract negotiations with any party at any time prior to final contract execution.

VII. Costs Incurred by CONSULTANT Prior to Execution of a Contract

The COMMISSION shall not be liable for any costs incurred by any CONSULTANT prior to the execution of a contract by all parties. Furthermore, the COMMISSION shall not be liable for any costs incurred by the CONSULTANT under the contract prior to the effective date of the MDOT Project Director's Notice to Proceed.

VIII. Addenda to and/or Questions about the RFP

Only written requests by e-mail to the below addressees will be considered.

Stephen Rone
srone@mdot.ms.gov
and copy (Cc)
Maggie Brown
mabrown@mdot.ms.gov

No requests for additional information or clarification directed to any other MDOT office, consultant, or employee will be considered. All responses to written questions and addenda will be in writing and will be posted to the MDOT website indicated below:

https://mdot.ms.gov/portal/legal_advertisements

CONSULTANTS shall be solely responsible for checking the website for updates. The MDOT will not be responsible for any oral exchange or any exchange of information that occurs outside the official process specified herein.

All written questions shall be e-mailed to the above addressees no later than **the date and time indicated in Part 1, Section XXIII. Procurement Schedule.**

MDOT intends to post written answers for this RFP to the website indicated above no later than **the date and time indicated in Part 1, Section XXIII. Procurement Schedule.**

IX. Pre-proposal Meeting

A pre-proposal meeting will not be held for this RFP.

X. CONSULTANT Submission

To be considered, **six (6) copies and one (1) CD/flash drive containing electronic PDF file(s)** of the CONSULTANT's PROPOSAL must be received by **the date and time indicated in Part 1, Section XXIII. Procurement Schedule.** at the office of the MDOT Consultant Services Unit, addressed to Stephen Rone, 10th floor, Mississippi Department of Transportation Building, 401 North West Street, Jackson, Mississippi 39201.

PROPOSALS received after this date and time may be deemed non-responsive.

XI. PROPOSALS

To be considered, CONSULTANT(s) must submit a complete response to this RFP and any addenda, addressing those requirements provided in Part 2 of this RFP. No other distribution of PROPOSALS should be made by the CONSULTANT. **The original and all required copies of the PROPOSAL should be signed by an official authorized to bind the CONSULTANT to its provisions.**

The CONSULTANT should mark any and all pages of the PROPOSAL considered to be proprietary information which may remain confidential in accordance with Mississippi Code Annotated 25-61-9 and 79-23-1 (1972, as amended). Each page of the PROPOSAL that the CONSULTANT considers trade secrets or confidential commercial or financial information should be on a different color of paper than non-confidential pages and be marked in the upper right hand corner with the word "CONFIDENTIAL." Failure to clearly identify trade secrets or confidential commercial or financial information will result in that information being released subject to a public records request.

XII. Economy of Preparation

PROPOSALS should be prepared simply and economically, providing a straightforward, concise description of the CONSULTANT's ability to meet the requirements of the RFP and any addenda.

XIII. Prime Consultant Responsibilities

The selected CONSULTANT will be required to assume responsibility for all services offered in the PROPOSAL whether or not these services are produced directly by the CONSULTANT or through subconsultant(s). Furthermore, the COMMISSION will consider the CONSULTANT selected to be the sole point of contact with regard to contractual matters, and the MDOT retains the right to approve or disapprove all proposed subconsultant(s). CONSULTANT(s) responding to this RFP should identify all proposed partners and subconsultant(s).

Any partners and subconsultants are to remain for the duration of the contract, and changes cannot be made without prior MDOT approval. Modifications of partner(s) and subconsultant(s) are discouraged and are subject to MDOT's approval. MDOT will not approve requests for modification without justification to MDOT's satisfaction.

Under no condition will the selected CONSULTANT be allowed to sublet or subcontract more than 60% of the work required under the contract. It is clearly understood and agreed that specific projects or phases of the work may be sublet or subcontracted in their entirety provided that the selected CONSULTANT performs at least 40% of the overall contract with its own forces.

The selected CONSULTANT must be registered with the Mississippi Secretary of State's Office to do business in the State of Mississippi prior to contract execution. Failure to comply with this requirement within 30 days of selection notification may result in failure to execute a contract with the selected CONSULTANT. MDOT may then reject the selected CONSULTANT for the duration of this process and negotiate a contract with the next most qualified CONSULTANT on the list until the contract has been executed. Additional requirements may apply as identified in Part 2 of this RFP.

XIV. Disclosure of PROPOSAL Contents

All materials submitted in response to this RFP shall become the property of the COMMISSION and may be returned only at the COMMISSION's option. All information submitted in response to this RFP shall be subject to disclosure under the Mississippi Public Records Act and any other applicable law.

XV. Nondiscrimination Requirement

By submitting a response to this RFP, the CONSULTANT agrees that it understands that the COMMISSION is an equal opportunity employer. It is the policy of the COMMISSION to comply with all applicable portions of Title VI of the Civil Rights Act of 1964, which prohibits unlawful discrimination based on race, color, creed, sex, age, national origin, physical handicap, or disability. The proposed contract will require that the CONSULTANT and all subconsultant(s) agree to strictly adhere to this policy in all employment practices and provision of services.

In the event the CONSULTANT performs work for the COMMISSION that involves the selection of a site or location of a facility, the CONSULTANT shall utilize criteria or methods of selection which consider the impacts and benefits of the facility on persons without discrimination because of their race, color, religion, sex or national origin. The criteria and methods shall be designed to include proactive measures

for obtaining citizen participation from persons of all applicable races, colors, religions, sexes and national origins.

XVI. Disadvantaged Business Enterprise (DBE) Goal

The DBE goal for this PROJECT is 0%. The CONSULTANT shall exercise all necessary and reasonable steps to ensure that participation is equal to or exceeds the contract goal. CONSULTANTS may visit MDOT’s website, www.gomdot.com, to view a complete list of “Certified DBE Firms” which have been certified as such by the Mississippi Department of Transportation and other Unified Certification Partners (UCPs). The DBE firm must be on the Department’s list of “Certified DBE firms” as listed on MDOT’s website, www.gomdot.com and approved by MDOT to count towards meeting the DBE goal.

XVII. Notification of Selected CONSULTANT(s)

The selected CONSULTANT(s) for both the "Short-List" (if necessary) and the final selection will be notified of their status in writing by the MDOT. The CONSULTANT(s) whose PROPOSALS are not selected will be notified in writing of the name of the selected CONSULTANT(s) at the same time.

XVIII. Debriefing Request(s)

If a CONSULTANT opts to request a debriefing following the announcement of the selected CONSULTANT, the CONSULTANT shall send an e-mail to the below addressees within two (2) weeks of the distribution of the notification letter of the selected CONSULTANT. Any debriefings shall have no more than two (2) CONSULTANT representatives present and shall be limited to the merits of the individual CONSULTANT’s PROPOSAL.

Stephen Rone
srone@mdot.ms.gov
and copy (Cc)
Maggie Brown
mabrown@mdot.ms.gov

XIX. Contract Administration

The CONSULTANT’s contract will be administered by the MDOT. All payments will be made to the contracted prime CONSULTANT(s) by the MDOT. The prime CONSULTANT will be responsible for all payments to its partners and/or subconsultant(s).

XX. Conflict of Interest

CONSULTANTS shall provide information concerning potential conflicts of interest and disclose all relevant facts concerning any past, present, or currently planned interests which may present a conflict of interest. Examples of potential conflicts of interest include relationships or situations which would impair the CONSULTANT's judgment on the job, impair the ability to perform, or allow the CONSULTANT an unfair competitive advantage. The CONSULTANT shall state how its interests or those of its chief executives, directors, individuals, or subconsultants for this contract may result in, or could be viewed as, a conflict of interest. Furthermore, the CONSULTANT shall describe actions taken, or proposed to be taken, to mitigate stated conflicts or potential conflicts.

The responsibility of the CONSULTANT to disclose a conflict of interest if one is discovered is ongoing, prior to award and throughout the contract period. The CONSULTANT agrees that, if a conflict of interest is discovered, the CONSULTANT must make an immediate and full disclosure to MDOT that includes a description of the action that the CONSULTANT has taken or proposes to take to avoid or mitigate such conflict.

If no potential conflict of interest exists, the CONSULTANT should indicate so in the cover letter to the PROPOSAL.

XXI. Suspension and Debarment

The Prime CONSULTANT shall ensure that it and any subconsultants are not suspended or debarred as specified in 2 CFR 1200 and 2 CFR 180.

XXII. Key Personnel Modifications

Key Personnel and team members, as identified in the organizational chart, are to remain for the duration of the contract and changes cannot be made without prior MDOT approval. Modifications of Key Personnel are discouraged. MDOT will not approve requests for modification without justification. Examples of justification include death of a Key Personnel, changes in employment status, bankruptcy, inability to perform, organizational conflict of interest, or other such significant cause. In order to secure MDOT's approval prior to execution of the contract, the CONSULTANT shall e-mail the below addressees:

Stephen Rone
srone@mdot.ms.gov
and copy (Cc)
Maggie Brown
mabrown@mdot.ms.gov

The request shall include:

- A. The nature of the desired change;
- B. The reason for the desired change;
- C. A statement of how the desired change will meet the required qualification for the position/responsibility; and

D. A copy of the individual's resume for review.

MDOT will review the justification and resume of the Key Personnel and determine whether the modification is appropriate and notify the CONSULTANT. Failure to receive approval for any modification in Key Personnel may result in termination of negotiations.

XXIII. Procurement Schedule

The following schedule identified below lists the projected dates for the procurement of this contract.

| Procurement Schedule | |
|------------------------------------------------------------------------|------------------------------------------------------------|
| Advertisement dates for legal notice | August 12 th and August 19 th , 2020 |
| Deadline for CONSULTANTS' written questions | August 26 th , 2020 |
| *Answering of written questions/ posting of final contract template | *September 2 nd , 2020 |
| Deadline for delivery of PROPOSALS | September 10 th , 2020, 5:00 p.m. |
| *Selection of qualified CONSULTANT(s) | *November 2020 |
| *Contract Execution | *January 2021 |

***Approximate dates only**

Note: All times are Central Time.

MDOT intends to execute a 4 year contract with the selected CONSULTANT with the possibility of extending the Contract by written agreement of both parties. **MDOT reserves the right to enter into additional contracts for the work covered in this RFP.**

**PART 2:
INFORMATION REQUIRED/SELECTION CRITERIA**

I. Format for PROPOSAL

To be considered, the PROPOSAL must respond to all requirements of this RFP, the Legal Ad, and any addenda. The recommended PROPOSAL length should not exceed 25 pages, exclusive of cover letter, table of contents, and appendices. The resumes (which should not exceed two pages per individual in length), Standard Form (SF) 330 Part II, licensures and certifications, and any information not relevant to the requirements or criteria should be included in the appendices. The CONSULTANT's cover letter, table of contents, any summaries and introductions, team organizational chart, past performance information, and any other responses to the evaluation criteria indicated in Part 2, Section III of this RFP should be included in the 25 pages. Any information beyond the recommended 25-page maximum, exclusive of appendices, may not be considered. Pages should be numbered, single-spaced, one-sided, 8.5 inches by 11 inches with margins of at least one inch on all four sides. No more than five pages may be 11 inches by 17 inches, but they will count as two sheets each against the recommended 25-page maximum. Information within the recommended 25-page maximum of the PROPOSAL should be complete and sufficient in scope for the selection committee to evaluate the CONSULTANT. Also, all text information in the recommended 25-page maximum should be shown in a readable font, size 12 points or larger. Headers, footers, charts, and other graphics may be provided in a different font type and size providing they are legible. Tabs are recommended and are not counted as part of the recommended 25-page maximum.

The overall quality of the PROPOSAL will be evaluated. This will include, but will not be limited to, overall layout and readability of the submittal, organization and comprehensiveness of the content, conformance with formatting guidelines above, and any other characteristics of the PROPOSAL that increase the quality of the document. **CONSULTANTS are encouraged to thoroughly address and adhere to the recommendations and/or preferences of the PROPOSAL for the highest-quality response.** Failure to provide any of the information in the appropriate location indicated or adhere to the recommendations and/or preferences may adversely affect the CONSULTANT's score.

II. Requirements and Instructions for PROPOSAL submission

CONSULTANT(s) interested in providing these services may indicate so by furnishing MDOT with **six (6) copies and one (1) CD/flash drive containing electronic PDF file(s)** of a PROPOSAL as referenced in Part 1, Section X of this RFP. The CONSULTANT should divide their PROPOSAL into the following sections as listed below, clearly separated by tabs; however, resumes, certifications/licenses, SF 330 Part II, and other information not relevant to these requirements and/or preferences should be included in the appendices as indicated above. **CONSULTANTS should address each of the following categories in their PROPOSAL in the same order as listed below.** MDOT reserves the right to obtain references from any source listed in the PROPOSAL and any other source deemed appropriate for any of the information listed in this RFP. The quality of the PROPOSAL will be considered when evaluating the CONSULTANT's PROPOSAL. The PROPOSAL should provide at a minimum the following information:

A. Provide a Cover Letter

The CONSULTANT should provide a cover letter (which should not exceed two pages in length) specifying the following information:

- ✓ the description of the contract as referenced in this RFP,
- ✓ the name of the prime CONSULTANT and any of its subconsultant(s) along with the roles/responsibilities of each firm,
- ✓ the name of the individual who will be the single point of contact throughout the selection process,
- ✓ the name of the Project Manager, and
- ✓ the location and address of the managing office.

In addition, the CONSULTANT shall provide information concerning potential conflicts of interest as referenced in Part 1, Section XX of this RFP. If no potential conflict of interest exists, the CONSULTANT should indicate so in the cover letter to the PROPOSAL. The CONSULTANT must note if this is a joint venture. If selected, a joint venture must meet all contract requirements as a joint venture, including insurance requirements.

B. Description of Staff, Organizational Chart, and Resumes

The CONSULTANT(s) should propose an appropriate and efficient quantity and quality of staff to ensure the successful completion of all work established in Part 3 of this RFP with limited MDOT support. The following information should be included in this section unless specifically stated otherwise:

1. The CONSULTANT should provide a team organizational chart that identifies Key Personnel and other relevant employees of the CONSULTANT and any subconsultant(s) for this contract as indicated below (Part 2, Section II.B.2). Key Personnel include the Project Manager and the Technical Manager. Key Personnel may serve in multiple roles. **The team organizational chart should include each individual's name, job description (for this contract), company of employment, and primary office location.** In addition, the organizational chart should be arranged in accordance with the tasks outlined in Part 3 of this RFP. The organizational chart should be tabbed and clearly defined.
2. The CONSULTANT should include the following specific information for the Key Personnel and other relevant employees listed below and reference all individuals in the organizational chart:
 - a. **Project Manager** – MDOT prefers that the CONSULTANT's Project Manager be on the permanent staff of the prime CONSULTANT. The Project Manager should be responsible for overall project oversight. Activities of the Project Manager will include but will not be limited to, establishing and administering controls to ensure the quality of deliverables, monitoring the project status, developing (with MDOT) and maintaining a detailed project work plan and schedule, and providing status reports to MDOT as requested.

- i. The CONSULTANT should provide a written summary indicating why the individual serving as the Project Manager would be the best candidate for this contract and describe how they will be engaged in this contract.
 - ii. The CONSULTANT should describe up to three (3) similar projects that the Project Manager has managed (completed projects are preferred) in the last five (5) years. The description should include at a minimum the following information:
 - ✓ the role and the level of work provided by the Project Manager,
 - ✓ the name of the firm with which the Project Manager was employed for the project,
 - ✓ the date that the Project Manager's firm initiated the contract for the project,
 - ✓ the date the project was completed in accordance with the firm's contract. If the project was not completed on time, provide justification (if any), and
 - ✓ the firm's contract amount.
- b. **Technical Manager** – MDOT prefers that the CONSULTANT's Technical Manager be on the permanent staff of the prime CONSULTANT. The Technical Manager should be the technical leader of the team who is responsible for day to day activities of the project. Activities of the Technical Manager will include but will not be limited to scheduling personnel and data collection equipment, oversight of condition and distress data rating and reporting staff, quality control of data, meeting deadlines for delivery, troubleshooting technical issues, and communication with MDOT personnel regarding all project aspects.
- i. The CONSULTANT should provide a written summary indicating why the individual serving as the Technical Manager would be the best candidate for this contract and describe how they will be engaged in this contract.
 - ii. The CONSULTANT should describe up to three (3) similar projects that the Technical Manager has worked on (completed projects are preferred) in the last five (5) years. The description should include at a minimum the following information:
 - ✓ the role and the level of work provided by the Technical Manager,
 - ✓ the name of the firm with which the Technical Manager was employed for the project,
 - ✓ the date that the Technical Manager's firm initiated the contract for the project,
 - ✓ the date the project was completed in accordance with the firm's contract. If the project was not completed on time, provide justification (if any), and
 - ✓ the firm's contract amount.
- c. **Other Relevant Employees:** Other relevant employees include any additional staff members of the CONSULTANT and subconsultant(s) who will be utilized to perform any other services in accordance with the Project Description established in Part 3 of this RFP.

- i. The CONSULTANT should define these other relevant employees and **provide a chart** summarizing the roles, responsibilities, and relevant certifications for each employee relative to the services listed in the Project Description established in Part 3 of this RFP.
3. Resumes for all Key Personnel and other relevant employees as listed above and in the team organizational chart should be included in the appendix. Resumes (which should not exceed two pages per individual in length) should reflect qualifications and recent experience relevant to the Project Description established in Part 3 of this RFP.
4. Copies of any licenses/certifications of the staff as listed on the organizational chart that may prove advantageous to performing the services established in Part 3 of this RFP should be provided in the appendices.

C. Capabilities (Resources and/or Equipment)

The CONSULTANT should list all resources and/or equipment owned by any team members that may be deemed advantageous to performing the services listed in Part 3 of this RFP. The CONSULTANT should list the resources and/or equipment and the team member who owns the equipment.

D. Past Experience

The CONSULTANT and any subconsultant(s) should provide a description of projects for similar work performed during the past ten (10) years which qualifies the CONSULTANT for this work. Projects completed during the past five (5) years are preferred. This project description should include the work related to the Project Description established in Part 3 of this RFP. The CONSULTANT and any subconsultant(s) should provide the following information at a minimum for each project:

- ✓ a description of the project including the role/responsibility of the CONSULTANT,
- ✓ define whether the CONSULTANT was the prime or a subconsultant,
- ✓ the amount of the CONSULTANT's contract for the work they provided for the project,
- ✓ the date the CONSULTANT's contract was initiated,
- ✓ the CONSULTANT's scheduled completion date in accordance with the progress schedule,
- ✓ the date the CONSULTANT completed the work in accordance with the contract. If the CONSULTANT's project was not completed on time, provide justification (if any), and
- ✓ the name and contact information of the client and the client's representative who can verify and discuss the project.

E. Location/Proximity of CONSULTANT's Office(s)

In addition to providing the location and address of the managing office (as indicated in the Cover Letter), the CONSULTANT should also provide any other office locations (including addresses) where any work may take place. If subconsultant(s) will be provided, the CONSULTANT should identify their office location(s) where work may be provided.

F. Part II of Standard Form (SF) 330, Architect-Engineer Qualifications

The CONSULTANT should provide Part II of SF 330, Architect-Engineer Qualifications. If a CONSULTANT has branch offices, complete the form for each specific branch office seeking work. In addition, this form should be completed for any subconsultant(s) in the same manner. This form can be obtained at the following web address:

[https://mdot.ms.gov/documents/Consultant%20Services/Forms/Standard%20Form%20\(SF\)%20330,%20Part%20II.pdf](https://mdot.ms.gov/documents/Consultant%20Services/Forms/Standard%20Form%20(SF)%20330,%20Part%20II.pdf)

This Form should be provided in the appendix.

III. CONSULTANT Selection Criteria

All responsive PROPOSALS received from CONSULTANT(s) will be reviewed and evaluated by the selection committee based on the selection criteria listed below. The criteria are listed in order of their relative importance to the selection committee.

- A. Experience, performance, and qualifications of the team's staff related to services identified in Part 3 of this RFP;
- B. CONSULTANT's (and any subconsultant's) resources and equipment;
- C. CONSULTANT's (and any subconsultant's) past experience, performance, and qualifications on similar projects related to services identified in Part 3 of this RFP with MDOT and/or other clients;
- D. Experience, performance, and qualifications of the proposed Project Manager and Technical Manager;
- E. Location/proximity of the CONSULTANT's (and any subconsultants') office(s); and
- F. Quality of PROPOSAL.

PART 3: PROJECT DESCRIPTION

The CONSULTANT will provide Pavement Condition Survey and Roadway Inventory of the state-maintained highway system, the National Highway System (NHS) and the Highway Performance Monitoring System (HPMS), Statewide.

This contract will include the following:

1. Year One (approximate) – The Year One survey will include collection of condition, GPS, state of the art 360 georeferenced imagery with proper and accurate EXIF metadata tags along with pavement/downward digital pavement images. Imagery shall be provided with an index file i.e. a .SHP file or FGDB format indicating image name, the coordinates at which the image was taken, and the route (Standard Route Identifier [SRI] – County + Route Id + Inventory Direction + Segment Number) on which the image was taken and mile point along the route. Imagery shall also be processed into perspective views for left, center, right, and rear. Additionally, all imagery shall be provided in a non-proprietary format. The contract will also provide for the automated post-processing, distress quantification and reporting on 100% of the rightmost through lane on asphalt pavements and visual post-processing, distress quantification and reporting on 100% of the rightmost through lane of concrete pavements. The CONSULTANT will provide a web-based viewer and thumbnail images for this web-based viewer for the survey. The CONSULTANT will provide full-size images for viewing distresses and to assist with quality assurance by MDOT, as well as any distress rating/viewing software. The condition/distress data collection and analysis shall be inclusive of Rutting, Faulting, Cracking, and IRI per the most recent HPMS Field Manual and FHWA rules in 1/10th of a mile increments processed by SRI and log mile as well as by pavement analysis section when concurrent sections exist. In addition to these metrics, the data shall also be delivered with the state specific pavement condition rating (PCR) by entire analysis section. The data collection and extraction shall be performed on Interstate NHS Routes in both directions. Year one will also include provision of one computer workstation along with, software, training on any software, and data storage space sufficient for all four years of survey and image data for Jackson and District personnel.
2. Year Two (approximate) - The Year Two survey will include the same GPS and imagery requirements of Year One and additionally will include collection of condition, curve and grade data collected and coded using the newest HPMS field manual specifications, and friction data. The contract will also provide for both automated and visual post-processing, distress quantification and reporting on 100% of the rightmost through lane on all pavement segments. All condition and distress data will be used to produce the statewide distress analysis and condition rating calculations. The condition/distress data collection and analysis will be performed on (a) routes on the state-maintained highway system (SMHS) in 1/10th of mile increments by SRI and log mile in addition to pavement analysis section where present; (b) HPMS sample routes off the state-maintained highway system, and (c) any NHS routes off the (SMHS). Friction data will be collected and reported on the (SMHS). Year two will also include Roadway Characteristics Inventory for the driven routes inclusive of but not limited to number of through lanes for a roadway section, primary through lanes, secondary through lanes, shoulder type, paved shoulder width, overall shoulder width, overall roadway width, presence and type of median, median width, inventory lane width, right and left auxiliary lanes in primary and secondary directions, sidewalk indicator, parking

type, lighting presence, rumble strip indicator, rumble stripe indicator, drainage type, and raised pavement marker indicator. A second workstation with enough storage space for all 4 years will be delivered in year two along with any additional training or updates needed to the initial workstation.

3. Year Three (approximate) – The Year Three survey will include the same tasks as Year One, minus the provision of the workstation, software (unless updates are needed), storage space (unless more space is needed) and training. Additionally, if any new samples were added to the HPMS system they shall also be collected per Year Two requirements.
4. Year Four (approximate) - The Year Four survey will include the same tasks as Year Two. If more storage space is required or any software updates are necessary to the delivered software and hardware from Year One, they shall be carried out/added in this year. To account for new and reconstruction projects along with take backs from the county and/or local highway system, Roadway Characteristics Inventory shall only be performed on specified routes not the entire system. Additionally, if any new samples were added to the HPMS system or routes to the NHS system they shall also be collected per Year Two requirements.

Services shall comply with the current version of the following publications and/or specifications:

1. ASTM E950: Standard Test Method for Measuring the Longitudinal Profile of Traveled Surfaces with an Accelerometer-Established Inertial Profiling Reference;
2. ASTM E1926-08: Standard Practice for Computing International Roughness Index of Roads from Longitudinal Profile Measurements;
3. ASTM E1656-11: Standard Guide for Classification of Automated Pavement Condition Survey Equipment;
4. AASHTO M 328-14: Standard Specification for Inertial Profiler;
5. AASHTO R 43-13: Standard Practice for Quantifying Roughness of Pavements;
6. AASHTO R 56-14: Certification of Inertial Profiler Systems;
7. AASHTO R 57-14: Standard Practice for Operating Inertial Profiler Systems;
8. AASHTO R 48-10: Standard Practice for Determining Rut Depths in Pavements;
9. AASHTO R 85-18: Quantifying Cracks in Asphalt Pavement Surfaces from Collected Pavement Images Utilizing Automated Methods;
10. AASHTO R 86-18: Collecting Images of Pavement Surfaces for Distress Detection;
11. AASHTO R 87-18: Determining Pavement Deformation Parameters and Cross Slope from Collected Transverse Profiles;
12. AASHTO R 88-18: Standard Practice for Collecting the Transverse Pavement Profile;
13. AASHTO Standard R36-17: Standard Practice for Evaluating Faulting of Concrete Pavements;
14. ASTM E-274, Standard Test Method for Skid Resistance of Paved Surfaces Using a Full-Scale Tire;
15. ASTM E501-08 Standard Specification for Standard Rib Tire for Pavement Skid-Resistance Tests;
16. ASTM E524-08 Standard Specification for Standard Smooth Tire for Pavement Skid-Resistance Tests;
17. HPMS Field Manual;
18. MDOT Pavement Data Collection and Processing Guidelines 2020;
19. MDOT Distress Classification Guide 2018 – may be included as part of the guidelines;
20. Any applicable federal regulations and rulemakings for pavement performance, including but not limited to 23 CFR 490;
21. MDOT Data Quality Management Plan; and
22. Any other publications listed in the Contract, or as instructed by MDOT.