MoDOT

105 West Capitol Avenue
P.O. Box 270
Jefferson City, Missouri 65102

Missouri Department of Transportation
Patrick K. McKenna, Director

1.888.ASK MODOT (275.6636)

COVER SHEET

(This must accompany your firm's letter of interest)

Firm's Full Legal Name: _____

Firm's Full Legal Name: _____

Contact Email Address: _____

Firm's Mailing Address: _____

Each project will require a combination of services which include but not limited to: ortho imagery, lidar, horizontal and vertical control, topographic feature extraction, terrain model development, bridge clearances where specified, and conventional surveying. Specific requirements will be outlined in the scope of services provided to the selected consultant/s.

MoDOT will select one or more consultants. Please select any or all projects of interest.

Missouri Statewide			
DBE Goal = 12%			
***Project Selection**	**Project No.**	**County**	**Route/s**
☐	JKR0126	Johnson	MO 13
☐	JKU0157	Jackson	I-70/I-670/US-71
☐	JKU0201	Jackson	US 40
☐	JNW0057	Harrison	US 69
☐	JNW0127	Linn	US 36
☐	JNW0128	Linn	US 36
☐	JSL0117	St Louis	MO 367
2024 Statewide LiDAR Program Project Limits and Details.			

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January 4, 2024

Dear Consultants:

The Missouri Highways and Transportation Commission is requesting the services of consulting engineering, photogrammetric, or land surveying firms to perform the described professional services for multiple projects included on the attached list.

Please reference the Cover Sheet for the list of projects, description of work, and specification requirements.

If your firm would like to be considered for the consulting services, provide your submittal to this email Jim.Copeland@modot.mo.gov. A confirmation email will be sent once the submittal is received.

Below are the requirements for the letter of interest:

	Max. 4 pages*/submittal
Cover Sheet – List of Projects indicating which project/s the consultant is interested in (*included on the last page of this solicitation*)	1
General Experience of Firm, Familiarity/Capability, Accessibility of Firm & Staff, Past Performance, Qualifications of Personnel Assigned, Workforce Diversity	2
Project Understanding, Innovations, Efficiencies, Acquisition, QA/QC, and Subconsultants	1

**A page will be considered one side of an 8.5" x 11" sheet of paper.*

Pages 2 and 3 of the submittals should include and company information, which might help in the selection process, including general experience of the firm, familiarity/capability, accessibility of the and staff, past performance, qualifications, and backgrounds of key personnel you would assign to the project. An explanation of your firm's approach to promoting and developing diverse workforce. MoDOT is committed to reflecting the diversity of the communities we serve, and we expect our partners to do the same.

It should also include any other information which might help us in the selection including the key personnel you would assign to the project. These pages should all identify any sub-consultants you would propose to use including DBE firms. In addition, please include detailed information on similar projects that your key personnel have worked on. Indicate the role your key personnel played in the projects and include reference contact information.

DBE firms must be certified by the Missouri Department of Transportation in order to be counted as participation towards an established DBE Goal. We encourage DBE firms to submit letters of interest as prime consultant for any projects they feel can be managed by their firm. We also encourage both DBE firms and non-DBE firms to consider joining MoDOT's Mentor/Protégé program whenever possible as part of a MoDOT project.

Page 4 of the submittals should include a statement to indicate your firm's understanding of the project, innovative approaches, and QA/QC to be utilized during project's acquisition and development. This may include Unmanned Aerial Systems (UAS) method of acquisition for these projects. UAS acquisition will be required to meet the ***Airborne (manned or unmanned) and Terrestrial LiDAR Integration (ALTI) Tolerance and Accuracy Table*** found in the "Accuracy Requirements_2024 Statewide LiDAR Program" document.

We will utilize the consultant information already on file so we will not need a lengthy submittal of other general company information.

MoDOT will evaluate firms based on: Project Understanding & Innovation, Past Performance, Qualifications of Personnel Assigned, General Experience of Firm, Familiarity/Capability, Accessibility of Firm & Staff. **Firm's not providing a response on approach to workforce diversity will be considered non-responsive to this solicitation.** Firms that are not current on all of the required prequalification categories found in MoDOT's Approved Consultant Prequalification List at the date of the solicitation expiration will be considered non-responsive.

Interviews/presentations will not be required for the consultant selection. Additional information regarding project limits and acquisition requirements can be obtained using the link below (Project managers will accept phone calls to answer questions):

2024 Statewide LiDAR Program Project Limits and Details.

Below is an anticipated schedule:
Solicitation Period: Jan. 10, 2024 – Jan. 16, 2024
MoDOT review of Submittals: Jan 17, 2024 – Jan. 19, 2024
Announcement of Selection (via website): Jan. 26, 2024
Development of Contracts & Scope: Jan. 10 - 30, 2024
Notice to Proceed: Mar. 1, 2024

We request all letters be received by 3:00 pm, **January 16, 2024,** via email to Jim.Copeland@modot.mo.gov

Sincerely,

Kenneth Voss, P.E.
State Design Engineer

Attachment

Central Office
Kenneth Voss, P.E. – State Design Engineer
Missouri Department of Transportation
105 West Capitol Avenue, PO Box 270
Jefferson City, MO 65102

Contact Information

PM Name	**PM Phone**	**PM Email**
Jim Copeland	573-526-2955	Jim.Copeland@modot.mo.gov

Rating Criteria w/Weighted Values

Project Understanding & Innovation	25 Points Max
Past Performance	25 Points Max
Qualifications Personnel Assigned	20 Points Max
General Experience of Firm	10 Points Max
Familiarity Capability	10 Points Max
Accessibility of Firm & Staff	10 Points Max
	100 Points Max Total

2024 Statewide Lidar Program
Accuracy Requirements for LiDAR Acquisition Methods

Table – Airborne LiDAR (AL) Tolerance and Accuracy

Operation/Specification	Type of Surveys	
	AL - A	
Hard Surfaces	± 0.10 ft	
Non-Vegetative Surfaces	± 0.20 ft	
Vegetative Surfaces	± 0.30 ft	
Minimum order of accuracy for GNSS Base Station horizontal (H) and vertical (V) project control	H ≤ 0.07 ft V = 3rd Order	
Local Transformation Point and Validation Point surveyed positional accuracy requirement	H ≤ 0.06 ft V ≤ 0.04 ft	
Local transformation points maximum stationing spacing throughout the project	Must support surface accuracy requirements	
Validation points maximum stationing spacing throughout the project	Must support surface accuracy requirements	
Point Density	≤ 5 points/feet^2	

Table – Terrestrial Mobile LiDAR (TML) Tolerance and Accuracy

Operation/Specification	Type of Surveys
	TML - A
Hard Surfaces	± 0.06 ft
Non-Vegetative Surfaces	± 0.12 ft
Vegetative Surfaces	± 0.20 ft
Minimum order of accuracy for GNSS Base Station horizontal (H) and vertical (V) project control	H ≤ 0.07 ft V = 3rd Order
Local Transformation Point and Validation Point surveyed positional accuracy requirement	H ≤ 0.06 ft V ≤ 0.04 ft
Local transformation points maximum stationing spacing throughout the project	Must support surface accuracy requirements
Validation points maximum stationing spacing throughout the project	Must support surface accuracy requirements
Point Density	≤ 20 points/feet^2

2024 Statewide Lidar Program
Accuracy Requirements for LiDAR Acquisition Methods

Table – Airborne (manned or unmanned)
and Terrestrial LiDAR Integration (ATLI) Tolerance and Accuracy

Operation/Specification	Type of Surveys
	ATLI - A
Hard Surfaces	± 0.06 ft
Non-Vegetative Surfaces	± 0.20 ft
Vegetative Surfaces	± 0.30 ft
Minimum order of accuracy for GNSS Base Station horizontal (H) and vertical (V) project control	H ≤ 0.07 ft V = 3rd Order
Local Transformation Point and Validation Point surveyed positional accuracy requirement	H ≤ 0.06 ft V ≤ 0.04 ft
Local transformation points maximum stationing spacing throughout the project	Must support surface accuracy requirements
Validation points maximum stationing spacing throughout the project	Must support surface accuracy requirements
Point Density	Airborne = ≤ 5 points/feet^2 Mobile = ≤ 20 points/feet^2