

Missouri Department of Transportation
Patrick K. McKenna, Director

1.888.ASK MODOT (275.6636)

September 16, 2016

Dear Research Partner:

The Missouri Highways and Transportation Commission requests proposals from qualified organizations—namely private consultants, universities, and research organizations—to furnish professional services as described in the following request for proposal to be coordinated by the Research Unit of the Construction and Materials Division.

Please submit a proposal for project TR201709 entitled, “**Runway Condition Index Study for State Funded Airports.**” Your submittal must include a work plan, the proposed project team and its background, and any related projects now active or recently completed by your firm. The project team must be led by a licensed professional engineer in the state of Missouri and the final report must be sealed, in accordance with the provisions of Chapter 327 RSMo.

The selection committee will use Qualification Based Selection. A “not to exceed” budget amount is included in the RFP to assist with the required scope, but budgets are not to be included with the proposal submissions, and will not be presented to the selection committee.

Please deliver all proposals to the Research Administrator indicated in the attachment by **October 24, 2016**. More information about project contracting in general can be found at: www.modot.mo.gov/services/OR/orRFP.htm.

Sincerely,



Bill Stone
Research Administrator



Our mission is to provide a world-class transportation experience that delights our customers and promotes a prosperous Missouri.

www.modot.org

Request For Proposals (RFP)
Project Specific Requirements:

This document contains information and requirements for only this RFP. Submitters should review both this document and general Contracting Documents, which contain additional requirements for all research proposals and contracts. “Contracting Documents” are available from the Research Administrator (identified at the end of this document) or on the website: www.modot.org/services/OR/orTemplates.htm

TR201709

Runway Condition Index Study for State Funded Airports

Background:

Federally funded airports are required by the Federal Aviation Administration (FAA) to have a Pavement Management Program in place (PMP) for each airport. The PMP is developed based on the results of a Pavement Condition Index (PCI) study. The plan helps to allocate funds for particular maintenance needs and budget for additional maintenance in the future to ensure airport pavements remain in good condition. The same concept would be useful for the state funded general aviation airports; however, these airports are not permitted to use federal funds for the analysis. By performing this study, the airport sponsors could plan ahead for the necessary maintenance in each location and help program the state aviation funds more efficiently. The project would consist of personnel performing a similar PCI study and developing a PMP for the 27 airports listed in Table 1 below.

Table 1- State funded general aviation airports located throughout Missouri.

Sponsor	Airport Name
Albany	Albany Municipal
Ava	Ava Bill Martin Memorial
Bethany	Bethany Memorial
Bismarck	Bismarck Memorial
Bonne Terre	Bonne Terre Municipal
Taney County (Branson)	M. Graham Clark Downtown
Buffalo	Buffalo Municipal
Campbell	Campbell Municipal
Carrollton	Carrollton Memorial
Charleston (Mississippi County)	Mississippi County
Doniphan	Doniphan Municipal
El Dorado Springs	El Dorado Springs Memorial
Excelsior Springs	Excelsior Springs Memorial
Gideon	Gideon Memorial
Hermann	Hermann Municipal
Hornersville	Hornersville Memorial
Mansfield	Mansfield Municipal
Monroe City	Captain Ben Smith Airfield-Monroe City
Mount Vernon	Mount Vernon Municipal
Richland	Richland Municipal
Steele	Steele Municipal
Stockton	Stockton Municipal
Thayer	Thayer Memorial
Unionville	Unionville Municipal
Van Buren	Bollinger Crass Memorial
Versailles	Roy Otten Memorial
Willow Springs	Willow Springs Memorial

Objectives:

The objectives of this project are:

- Compile previous airport pavement work history
- Prior to a field investigation, all previous existing records will be made available to create a previous work history log. The airports will be subdivided into networks, branches, sections and sample units in order to analyze the pavement condition via the PCI method.

- The PMP will be developed based on previous and current conditions and incorporated in an interactive map. The PMP is to help sponsors plan best management practices necessary for maintaining pavement conditions within an allotted annual budget.

Project Requirements and Deliverables:

Task descriptions are intended to provide guidance in development of the research. MoDOT is seeking the input of proposers to determine the best strategies to accomplish the research objectives.

Task 1

Work Plan - A work plan will be developed which details implementation of the following tasks as well as the resources and schedule required to carry them out.

Task 2

Pavement Inventory - Divide the airports into branches, sections and sample units in accordance with FAA Advisory Circular (AC) 150/5380-7B, *Airport Pavement Management Program (PMP)* and ASTM D5340, *Standard Test Method for Airport Pavement Condition Index Surveys*.

Task 3

Pavement Evaluation - Inspect pavements at the airports using the PCI procedure described in FAA AC 150/5380-6C, *Guidelines and Procedures for Maintenance of Airport Pavements* and ASTM D5340.

Task 4

Analysis - Compile the evaluation results as well as inspection comments for each of the airports.

Task 5

Pavement Maintenance Plan - Develop a PMP for each airport that incorporates anticipated costs, current and future maintenance recommendations, as well as future monitoring/inspection of the pavement deterioration.

Task 6

Final Report - A final report shall be prepared to provide a statewide synopsis as well as a report for each airport containing an explanation of the procedure, the findings, analysis, recommendations and PMP of action.

Interim Presentation: An interim presentation shall be scheduled near the mid-point of the project to update MoDOT on the progress and the direction of the project. This is in addition to the necessary communication between the Principal Investigator(s) and MoDOT contacts

throughout the project. The purpose of the interim presentation is to evaluate the progress and determine if any mid-project corrections are necessary.

Project Schedule:

The following is an estimate of the project timeline or information on key dates within the project, presuming the project starts **December 1, 2016**. Proposals need to include a work plan with your proposed timeline. Changes to our estimated project timeline below will be considered, however, timeline extensions cannot be guaranteed. The final project timeline will be discussed and agreed upon during the contracting phase.

Last working day of each quarter: Quarterly updates on work accomplished during the quarter are due on or before the last working day of any March, June, September, and December during the course of the project.

Date:	Action:
March 31, 2017:	Quarterly report due.
June 30, 2017:	Quarterly report due.
August 31, 2017:	Interim Presentation must be done by this date.
September 29, 2017:	Quarterly report due.
December 29, 2017:	Quarterly report due.
February 28, 2018:	A presentation is required.
February 28, 2018:	A draft report is required.

(For report templates and a standard form see: www.modot.org/services/OR/orTemplates.htm)

March 30, 2018:	A completed final report is due.
April 30, 2018:	Final invoice is due.
April 30, 2018:	Contract ends.

Special Notes:

Project budget is not to exceed \$200,000. A budget is not to be included in the proposal, but will be required for the contract and must be within this limit.

Reporting templates and standard report forms are available from the Research Administrator or the website: www.modot.org/services/OR/orTemplates.htm

RFP Requirements:

- Proposals must be no more than 10 pages with a font size no less than 11 points. This length limit does not include forms or resumes attached to the proposal.
- “Contracting Documents” provide further details and links to the required forms. They are available from the Research Administrator or at: www.modot.org/services/OR/orTemplates.htm
- Proposals will be evaluated by an agency and stakeholder team with knowledge and backgrounds in relevant areas for this project. Selection of the successful proposer will be based on the proposer’s demonstrated knowledge in the required areas, the merit of the proposed methods and approach in achieving the desired goals, the experience and qualifications of the team and the adequacy and availability of team members to complete the work in a timely manner.

RFP Schedule:

The following timeline must be met for a proposal to be accepted.

Date:	Action:
September 16, 2016	MoDOT posts RFP to the website: www.modot.mo.gov/services/OR/orRFP.htm
September 29, 2016	Written comments or questions must be submitted to Research Administrator.
October 12, 2016	MoDOT will post written responses publicly on the website: www.modot.mo.gov/services/OR/orRFP.htm
October 24, 2016	Submission deadline for written proposals.
November 9, 2016	MoDOT will notify submitters about project selection, or if needed about interviews to finalize selection.

Contracting Requirements:

- The successful team will be required to complete additional documentation and enter into a contract such as a “Standard Research Agreement” or “Task Order.” Applicants

should be aware of these additional needs so contracting can proceed in a timely manner.

- Standard contracts, forms, attachment templates and additional information are available from the Research Administrator or the website:
www.modot.org/services/OR/orTemplates.htm

Contact Information:

Proposals must be either hand delivered by close of business; or faxed, emailed, or mailed by midnight (Central Standard Time) according to time stamp or postmark; by the submission date in the RFP Schedule. Please reference the project title since more than one RFP may be due at one time. Electronic proposals are encouraged. They may be faxed or emailed to the Research Administrator:

William.Stone@modot.mo.gov

Fax: 573-522-8416

Proposal packages suitable for duplicating may be submitted by mail or hand delivery to:

Construction and Materials Research Administrator

Missouri Department of Transportation

1617 Missouri Blvd

PO Box 270

Jefferson City, MO 65109