

Missouri Department of Transportation

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## ADDENDUM 001 Request for Proposal Automated Data Collection Vehicles RFP 6-160106TV

Offerors should acknowledge receipt of Addendum 001 (ONE) by signing and including it with the original proposal. The due date for receipt of proposals is not changed by this Addendum. Accordingly, the following clarifications, and or additional information, are believed to be of general interest to all potential Offerors. All other terms and conditions remain unchanged and in full force.

Name and Title of Signer (Print or type)	Name and Title of Department Authority  Tom Veasman General Services Specialist
Offeror Signature  <hr/> (Signature of person authorized to sign)	Department of Transportation   <hr/> (Authorizing Signature)
Date Signed:	Date Signed: 12/22/2015

- VENDOR QUESTION:** On page 7, item #1A (2), the requirement states "maximum vehicle height of 8 feet, 6 inches including all externally mounted systems". With the requested van and our subsystems and enclosures, we estimate a height of 10 feet. Is this acceptable to MoDOT?  
**ANSWER:** A height of 10 feet will be acceptable.
- VENDOR QUESTION:** On page 14, item #3E the requirement states "The system shall prompt the operator audibly and visually in advance of any uniform log mile being approached". Is it acceptable that the system prompt the operator only visually in advance of any uniform log mile being approached? **ANSWER:** A visible prompt will be sufficient.
- VENDOR QUESTION:** On page 15, item #5B the requirement states "Right of Way (ROW) camera must be a 3 CCD camera with resolution of 1920x1080 HD". We would like to recommend the CMOS camera as it is newer technology providing better quality images. Would this be an acceptable option for MoDOT? **ANSWER:** System may have higher resolution but must be 3 CCD or CMOS.

4. **VENDOR QUESTION:** On page 15, item #5E the requirement states "Camera mounts shall provide power pan and tilt". We recommend the use of the fixed mount due to vibration. Would this option be acceptable to MoDOT? **ANSWER:** A fixed mount is preferred to eliminate calibration and vibration concerns.
5. **VENDOR QUESTION:** 1.A.2 - Vehicle height maximum of 8 feet, 6 inches. Most base vehicles used in this industry (including the Freightliner 2500 referenced in the RFP), stand 8 feet tall. With the addition of the ladybug camera [item 5.B on page 15 of RFP], even mounted flush to the rooftop would be very near to the maximum allowed height. In our experience, a standoff of AT LEAST 10 inches should be added to best remove the vehicle roof from the collected 360 image for best imaging results. Can you advise? **ANSWER:** 10 Feet will be acceptable.
6. **VENDOR QUESTION:** 1.A.3/1.D.8 - Is MoDOT open to the use of gas engine and gas-powered generators in favor of an APU powered by an engine-mounted alternator? In our experience, high end gas generators are more durable and reliable than alternator alternatives, greatly improving the longevity of the system. **ANSWER:** No, diesel engine is specified due to longevity and fuel mileage. APU is specified due to MHTC experiences with high end gas generators.
7. **VENDOR QUESTION:** 5.B - Would MoDOT be open to using camera solutions that exceed the stated 1920 X 1080 HD from the RFP? Are 3 CCDs required if we can provide superior performance with other solutions? **ANSWER:** MoDOT would be open to higher resolution cameras but will maintain the need for 3 CCDs or CMOS.
8. **VENDOR QUESTION:** 5.E - Would MoDOT be open to the removal of the power pan and tilt requirement? Most camera systems that have multiple cameras are physically calibrated to maintain relational locations so that measurements can be made on collected imaging. For this reason, we do not recommend power mounting features that would easily allow a user to move the cameras out of calibration. **ANSWER:** Fixed mount is preferred due reasons of calibration and vibration.
9. **VENDOR QUESTION:** 6.D- Is the referenced 66" inch spacing mandatory? Or does it need to meet the ASTM ranges? Is this to match the spacing of your current vendor? **ANSWER:** 66"- 69" is acceptable.
10. **VENDOR QUESTION:** 8.A.-The specifications listed are for the Pavemetrics LCMS. Is MoDOT open to considering other 3D transverse profile systems that may have technical advantages, meets or exceeds all other system requirements, but does not meet the listed specifications in section A exactly? This question also applies to section 9A of the RFP. **ANSWER:** It is not the preferred solution but we would review the proposal during the evaluation stage.
11. **VENDOR QUESTION:** Section 2(1.A.4) requires air conditioning- front and rear. Item 1.A.22 requires a rear roof top air conditioning unit. Are both air conditioners required? **ANSWER:** Yes rear roof air is required as well as front.

12. VENDOR QUESTION: Section 1 (14.F): Does MHTC have requirements for the number or frequency of software updates? ANSWER: MoDOT requests/expects any and all software updates, bug fixes, new operating software that is done to improve, fix or maintain said software for the duration of life of the van, free of charge. No minimum or maximum.
13. VENDOR QUESTION: Section 1 (21.F) mentions annual service renewals for web-based viewing software. Item 15 says that web viewing software is not needed. Can you provide clarification? ANSWER: MoDOT will not be utilizing web based viewing and therefore no need for annual renewals.
14. VENDOR QUESTION: Terms and Conditions, paragraph H: if MHTC cancels the Agreement per the terms, will Contractor be compensated for equipment purchased prior to cancellation date? ANSWER: Contractor will not be compensated for any equipment purchased prior to cancellation.
15. VENDOR QUESTION: Terms and Conditions, paragraph Z, can umbrella policies be used to meet the \$3,000,000 aggregate insurance requirements for the general liability and automobile liability policies? ANSWER: Yes
16. VENDOR QUESTION: Does MHTC have shapefiles they can provide that would show the undivided and divided highways as stated in section 3(F)? ANSWER: MoDOT does have line work denoting 2 and 4 lane roads and therefore has the ability to generate a shapefile. MoDOT does continually upgrade its line work so therefore operating system needs to be able to take updated files.
17. VENDOR QUESTION: Section 1 (13.T) can MHTC please clarify this statement: Export ERD to the file type usable by ProVal and have the ability to set any point along line to set any point to zero. ANSWER: Export ERD to file type usable by ProVal and have the ability to export any section (regardless of milepost or log mile) to a chainage of zero to allow comparison of successive runs.
18. VENDOR QUESTION: Section 3(3.A) states that MHTC shall not make any payment to the successful Offeror in advance of the products provided by the successful Offeror. Would MHTC be able to pay an initial percentage of the project to cover the costs to purchase the van and sensors? ANSWER: No