

Missouri Department of Transportation

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ADDENDUM 001

REQUEST FOR PROPOSAL SL15-018-RW VIDEO FEED SHARE

Bidders shall acknowledge receipt of Addendum 001 (ONE) by signing and including it with original bid. The due date for receipt of this bid **DOES NOT change** by this Addendum. Accordingly, the following clarifications, additions/deletions, questions and answers are believed to be of general interest to all potential bidders. 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 Teresa (Terri) Mount Sr. Procurement Agent
Bidder Signature/ Company Signature of person authorized to sign	Department of Transportation <i>Terri Mount</i> Authorizing Signature
Date Signed:	Date Signed: 10/6 /14

Please see attached notes from Pre-Bid meeting and diagram showing MoDOT video feed stream.

THIS PAGE MUST BE SIGNED AND RETURNED WITH ORIGINAL RFB.



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

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Pre-Bid Meeting
10/1/14 10:00 a.m. CST
SL15-018-RW VIDEO FEED RFP
St. Louis Traffic Management Center Room 211

Present:

MoDOT: Davar Divanbeigi, Mark Schall, Steven Bauman, John Barnes; Alex Wassman; Greg Owens; Terri Mount; Cheryl Sproege

Telephone Participants: Mike Paulson- QVision, Tony Liesener, Trafficland, Jonathon Nelson-MoDOT

Vendor Participants: Daryl Andershock- River City Technology Group; Jack Cerrone- Communitronics

Introductions between all parties, Davar Divanbeigi gave a general overview as to MoDOT's desire to provide live streaming traffic images to third parties comprised of everyone not MoDOT, i.e. enforcement agencies, municipalities, other agencies and public at large.

Mark Schall covered what MoDOT would like and discussed conversions. MoDOT currently has about 385 analog cameras and about 115 existing and 175 soon to be installed digital cameras. Cameras have one multicast and one unicast signal. None of the digital IP based cameras are currently available on external sites.

MoDOT would like to eventually purchase HD cameras to replace analog. Cohu is the current District contract camera provider. This proposal does not require the vendor to provide cameras.

Vendor Question: Will there be a complete inventory or network schematic? Is there room at this facility (Traffic Management Center) for server hosting? Vendor would like to know how our video flow works.

MoDOT Response: MoDOT to provide block diagram (see attached). There is room at the TMC for onsite hosting. Per the proposal hosting may occur onsite or at vendor site.

Vendor Comment: River City indicated that they would only be interested or needs the information for the equipment that MoDOT owns, as the potential could exist that third party providers could change and that would impact this proposal.

MoDOT Response: Network diagram differentiates between MoDOT and vendor owned equipment.

MoDOT indicated a critical component is the ability to shut down select live video feed to public while maintaining complete visuals in management center and other select partner locations.

Proposal requires no less than six concurrent outbound streams. MoDOT has a 750 MB pipe for public consumption. Current video provider (TrafficLand) has two separate but concurrent datacenter clouds off site. Currently certain TV stations use live stream, while the public can view 1 frame jpeg per second.

Vendor Question: Do the streams have to be live streams or can options for output from static clips be acceptable? Would we charge a fee if an outlet wants to upgrade their stream?

MoDOT response: MoDOT would not charge a fee for a customer to upgrade their stream quality. MoDOT is offering streams as public service; if a customer wishes to improve their feed they may

purchase improved access on their own data circuit. MoDOT wishes all live streaming feeds, not static clips.

MoDOT indicated up to 20 interfaces are available on a Cisco 6513 core switch in the TMC, with the number being negotiable. Plenty of 1 GB copper ports are also available on the Cisco 6513.

Vendor Question: How important is it for system to work on mobile and all browsers? Does live streaming need to be available on mobile phones?

MoDOT Response: Live streaming on mobile phones is not required by the contract.

Additional Comment: MoDOT has reviewed the requirement in question, which is as follows: Should allow for video input from mobile wireless platform (live streaming).

This requirement is for mobile input to be possible, such as from dash cams on Motorist Assist vehicles. This does not relate to mobile devices.

MoDOT Clarification: Under desired options MoDOT indicates a wish for the program to possibly expand to internal MoDOT dash cams on Motorist Assist vehicles with live feed. This would involve about 50 cameras connected through cellular wireless. This is not required in the proposal, but if available MoDOT would like to consider it.

MoDOT Question: Is the delivery date, 120 days from Notice to proceed, a realistic target?

Vendor responses: Generally no. Traffic land indicates it could be almost double that. RiverCity indicated dependent on the information they receive concerning stream flow etc. **MoDOT Clarification:** In a post award negotiation this could be adjusted based on the practical date given for implementation of the desired option however if not completed by that date liquidated damages would apply. This date will be determined by final selected proposal.

Vendor Question: Is budget amount available?

MoDOT Response: No, that is why multiple options exist on pricing page. MoDOT will choose best available option dependent on available funding.

