

Missouri Department of Transportation
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ADDENDUM 002

REQUEST FOR BID Changeable Message Signs & Flashing Arrow Panels RFB # 2-140115RW & 2-140115RW1

Bidders should acknowledge receipt of Addendum 002 (TWO) by signing and including it with the original bid. The due date for receipt of bids **is not changed by this Addendum and remains at January 21, 2014 by 2:00 pm Local Time**. Questions and responses to those questions are on the attached page and considered to be of 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 Robin Warren Sr. General Services Specialist
Bidder/Offeror Signature _____ (Signature of person authorized to sign)	Department of Transportation <i>Robin Warren</i> _____ (Authorizing Signature)
Date Signed:	Date Signed: January 14, 2014



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Question #1:

Spec MGS-06-04G

2.13f 1& 2

Do they want a cell phone installed in the sign or as a future add-on?

Answer:

A cellular modem, for example our current units use Sierra wireless GX400 cellular modem with GPS tracking

Question #2:

Spec MGS-06-07A – referenced for Question 2, 3, 4 and 5

2.1 3 electro hydraulic lift & 2.2 .1 calls for electric actuator

Answer:

An electro hydraulic lift would only apply to a full size trailer mount CMS in which it is used to raise the large display panel. The truck mounted CMS and the truck mounted FAP would utilize the electric actuator to remotely raise and lower the panel, this increases safety by not requiring an employee to be outside of the vehicle to do so. This will add additional wiring between the cab of the truck and will also remove the potential for a truly “wireless” FAP system due to the need for the 12 volt DC switch in the cab. The truck mounted CMS at this point are anticipated to be wired units unless advancements have been made to achieve wireless communications.

Question #3:

I think 2.1 3c should call for an electric actuator not hydraulic. A hydraulic actuator would require a pump/custom piston and would be a very expensive endeavor. If the electric actuator is called out the manual lowering option should be removed because there really is no way to manually lower it if there is a failure. The good news is that these actuators can run a very long time.

Answer:

The notation in 2.1.3C is the way in which all of our units have been constructed for years. The electrically operated hydraulic pump is correct and it also features a secondary manual function which allows the user to bypass the pump in the event that a failure occurs, the sign display can actually be raised and/or lowered via this bypass. If this were an electric actuator only, it “could” work but it would most likely not provide the alternate/secondary back up feature as mentioned.

Question #4:

2.1 3g ...top of arrow panel..

Answer:

Should be corrected arrow panel should say CMS

Question #5:

2.2.1 The supporting frame...locking device..

If I can make a recommendation, I would eliminate the locking device (its, correctly I think, not mentioned in the arrow boards). The electric actuator has a built in clutch and it will ‘lock’ in the extended and retracted position. If you put an additional locking device to hold the sign down you can run the risk of someone forgetting to pull the pin or latch and damage the motor and locking assembly when they try to lift the sign. We have seen this happen before and we eliminated locking devices many, many years ago.

Answer:

I agree and thought that it was removed for the reason as given.

Attached are pictures of our current solar panels for the viewing of those interested.







GREASE MONTHLY

