

Questions Received for Project RFP TR201613 Work Zone Split Traffic Symbol Sign

Q1: Will there be a time period when the research team will need or can collect video footage with MUTCD curve signs in order to compare the video footage collected with MoDOT signs? That is, will a research team be able to record driver's reactions to both MUTCD and MODOT signs?

A1: No, there will not be a project nearby with the current MUTCD sign so video footage is only expected on the construction project with the new, alternative signs.

Q2: In the RFP, it says "Cameras should be set up in two locations during the work zone. Cameras will be supplied by the research team." If the cameras are to be provided by the proposing team, will the costs for the cameras be a part of the budget or will they be purchased by MoDOT and remain as property of MoDOT?

A2: If the research team does not have video equipment available they can either rent the equipment or purchase the equipment as part of the project budget. The following excerpt from a standard research agreement covers the ownership of equipment purchased through the research project:

EQUIPMENT AND INSTRUMENTATION: It is agreed that any items of special equipment which are not identified specifically in the proposal require specific approval by the Commission prior to purchase. Items of equipment and instrumentation as listed in the proposal are approved by the Commission and the cost, therefore, is included in the Agreement price. The Contractor certifies that no item listed has been included in the indirect costs that are approved for this project. Title to such equipment and instrumentation shall vest with the Commission. If, at the conclusion of the project, the Contractor desires to acquire the equipment and instrumentation, the Commission shall be allowed a credit equal to the current value at that time. This current value will be determined by mutual Agreement between the Contractor and the Commission.

The standard research agreement template can be found here:

<http://modot.org/services/OR/orTemplates.htm>

Q3: For the cameras, will there be access to power in the work zone area? Depending on the recording period, the cameras will need memory and power. Our cameras can record in a laptop

via USB. In such a case, will MoDOT provide a laptop or the proposing team should also supply the laptops and or memory cards?

A3: There will most likely not be a power supply on the jobsite so arrangements will need to be made by the research team accordingly. A laptop and memory card will not be supplied by MoDOT as these are standard items the research team would have.

Q4: Who will be responsible for locating the cameras? Will the research team locate the cameras or will MoDOT or contractor staff undertake the camera setups?

A4: The research team will be responsible for recommending locations for the cameras but will need to be agreed upon by MoDOT and the Contractor. The research team will then be responsible for setting up the equipment but MoDOT staff will be present to assist.

Q5: In the RFP, it says "Video should also be taken from the driver's perspective through the work zone." Could you please give more explanation on this? Does this mean that the proposing team should collect video footage in vehicle while driving through the work zone? Or, does this mean that cameras should be located accordingly?

A5: It is anticipated that the researchers would drive through the work zone several times while recording video from the driver's perspective, either with a mounted camera or a passenger filming.

Q5: What are the expectations on the analysis of the video footage? Is the research team expected to develop pattern recognition algorithms on the video footage? Or, will the video footage be collected and visually analyzed by individuals?

A5: It is up to the research team to propose how the video footage should be analyzed. The proposed solution should be part of the proposal submitted.

Q6: It is assumed that the research team will have access to crash reports, work zone surveys, and full access to HERE as well as contact information for the workers and contractor staff to interview them. Is that correct?

A6: Yes.