

TR202102 - Safety Evaluation of Permissive Flashing Yellow Arrows for Left-Turn Movements in Missouri – RFP Questions & Answers

- 1. Could you let me know if you have any information about how many [FYA signals] have been implemented and when the signal was introduced in Missouri?**

The FYA indication for permissive left turn movements was first installed by MoDOT in 2006 on MO 340. Statewide installation began in 2009.

MoDOT's Transportation Management System (TMS) software houses numerous tools and applications that assist the Department with decision making. One of these items in TMS is the signalized intersection inventory. Statewide, there are approximately 2631 MoDOT owned signalized intersections. One of the items that is collected in that inventory is FYA installation date by approach for each signalized intersection. The current inventory shows that there are approximately 373 signalized intersections with at least one approached with the FYA installed (see attached spreadsheet titled "*Current FYA Inventory*").

However, that FYA information has not been kept up to date. So, as indicated in the first two Objectives, we want this information to be brought up to date (in cooperation with MoDOT Districts) and the TMS inventory to be updated.

- 2. Are there multiple types of FYA signals in Missouri? Is the new FYA signal with a regulatory sign in the brochure below the only FYA signal type?**

<https://www.modot.org/sites/default/files/documents/Flashing-Yellow-Brochure.pdf>

MoDOT uses the FYA indication for permissive left turn movements in 4-section heads (as shown in the brochure) for protected/permissive left turn movements. In addition, the FYA indication is used in 3-section heads for permissive only left turn movements.

The sign shown in the brochure is not the sign that is currently being installed. We have phased that sign out and those that have been installed will be replaced at the end of their service life. The sign that is being installed now is the R10-27a (LEFT TURN YIELD ON FLASHING ARROW).



- 3. Would MoDOT consider proposals from out-of-state agencies that include a Missouri PE but who not necessarily lead the proposed research? If so, is there a minimum expected level of effort that said Missouri PE (e.g., a certain number of hours)?**

MoDOT will accept proposals from any out-of-state entity so long as the research is led (or co-led) and sealed by a professional engineer that is licensed in the State of Missouri, in accordance with the provisions of Chapter 327 RSMo. There are not a set number of hours that the PE must put into the project but it is expected they would oversee the project such as a licensed PE would for a design project that they then seal.

For more information see [Information for Researchers](#).

- 4. In Task 3, what is meant by “categorized spreadsheet”? It appears there is something specific in mind (as it should be compatible with the TMS). Is there an existing template of the spreadsheet? If so, can that be shared?**

The categorized spreadsheet referred to in the RFP is a Microsoft Excel spreadsheet with the minimum information required when entering data, with fields/headings similar to those found in TMS. Additional fields for identification may be added by the researcher as they choose. The purpose of the spreadsheet is to provide a launching point for the researcher and record of those entries that the research team will be updating in TMS. Please see the attached spreadsheet titled “*FYA Template*”, which contains an example entry.

*Please be aware that the awarded Offerer will need to be granted access to a specific application within TMS in order to update the FYA inventory. Prior to granting access, a background check will need to be conducted on all individuals requesting the ability to perform said updates, as they will be accessing a portion of MoDOT’s network.