

TR201909 “HFST Before and After Safety Analysis”

Questions and Answers

1. Approximately how many HFST sites can we expect to evaluate, and what is the breakdown by site type (curve, ramp, intersection, etc.)?

It isn't required to do a visual inspection for all of the HFSTs, but we will need to have a representative sample for early, mid and late life applications. It is up to the proposer to tell us what that number should be.

There are approximately 30 sections that are at least 3 years or older , 45 sections that are 2 to 3 years old and 20 that have been down less than 2 years. Most of the sections are curves, but there are some ramps and a couple intersections. This project does not include the St. Louis Safety Design/Build sections.

2. A field evaluation to document condition/performance appears to be necessary for this effort. Will travel expenses for field visits be allowed in the budget?

Yes, travel expenses will be allowed as part of the budget.

3. Will it be possible to request traffic control/lane closures for any of the field evaluations?

We will provide traffic control/lane closure for any field evaluations, but they will need to be planned at least 2 weeks in advance.

4. Will it be possible to request friction testing of the existing sites?

We have initial friction testing results for almost all sites. Some sites will have follow-up friction testing but not all. We will not provide additional friction testing. If the research team wishes to do friction testing we will provide any necessary traffic control but the testing costs would need to be part of the project budget.

5. Does the TMS contain information related to roadway geometry (curvature, grade, cross-slope in particular)?

TMS does currently contain some roadway geometry data but it is probably not precise enough for these purposes. They currently are collecting this information with the new data collection van so if those particular roadways have been run recently it would be possible to get the information but it is not guaranteed.

6. Approximately how many HFST's are installed in Missouri?

See answer to question 1.

7. Typically how often is friction at a HFST site tested?

Typically the friction is tested after initial placement for acceptance. Occasionally we have done additional friction testing due to grant requirements or if requested by staff.