

TR202710 Evaluation of Pavement Failures When Using Rock Base and Evaluation of Rock Fill Specification – Q&A

1. Is there an existing list of failure locations that MoDOT can share with proposers?

MoDOT is in the process of putting together a list of projects that have concrete pavement and rock base. MoDOT will provide that to the research team for an exhaustive list of projects and let them consider the level of failures.

The following are a few known areas with failures, but this research is not limited to these sites.

- EB/WB I-44 in all lanes from west of Central Ave. to about Williams Rd. in Eureka (St. Louis County).
 - This was originally placed in the mid-2000's and recently had some full-depth repairs.
- WB I-44 lane 3 west of Antire Rd. (St. Louis County).
 - The worst of this has had some full-depth repairs. This pavement is slated to be replaced in an upcoming project.
- EB I-44 lane 3 (and to a lesser extent lanes 1 and 2) between Antire Rd. and Rte. 141.
 - This is close to a box culvert that will be replaced and this pavement will be replaced with it.
- The New I-64 DB (I-64 EB and WB between Spoede Rd. and Kingshighway Blvd.). In lane 4, there are some longitudinal cracks in the wheel paths.
 - This job is a mix of rock base and unbonded overlay with no dowels.
 - There are a few issues in the unbonded areas as well.
 - This was concrete was placed in 2007 through 2009.
- Section of Rte. 50 near Linn, Mo.

2. The proposers are aware of MoDOT collected some TSD data under a pooled fund study. Is some TSD data available for the pavement sections where failures have been experienced?

MoDOT is looking for data but has not found anything yet.

3. Is 3D-GPR data, non-destructive testing, or other data available for any of the pavement sections where failures have been experienced?

No, MoDOT believes that any data would have been collected with the TSD.

4. Will traffic control for lane drops be expected from the research investigator?

If MoDOT maintenance crews are available it may be possible to have MoDOT provide traffic control, but researchers need to be prepared to supply/coordinate traffic control.

5. Is it known if any full depth patch repairs or reconstruction is to be performed in the future at the locations with settlement failures? If so, will the research team be able to coordinate site access during these repairs for field testing and geotechnical explorations?

There are some notes on Question #1 but this would be highly dependent on the location, condition of the pavement, etc.

6. Does MoDOT have gradation, quality control, or acceptance testing records for the rock base used in the projects in which pavement failure has been observed?

This will have to be investigated once sites are chosen for this research. Some of the sites may have only had visual acceptance for rock base.

7. How many sites had MoDOT envisioned being investigated for this project?

This depends on the number of locations identified in coordination with the research team. The number of sites also depends on locations around the state (multiple in one area or spread across the state). Locations are still being identified, see Question #1.

8. Would MoDOT be providing guidance for these locations if not already identified?

See answer to Question #1

9. Would MoDOT allow offerors access to construction diaries and/or Daily Work reports?

MoDOT may be able to assist in finding construction/testing data for the selected locations if the data is still available.

10. Regarding the Offeror's Project Experience requirement, can a sub-contractor's expertise qualify should the prime offeror not have applicable expertise in the three-year time frame?

Yes

11. Does past experience of a member of the Offeror's team with a previous employer qualify as Offeror experience or just specific team member experience?

Yes

12. Will MoDOT require actual copies of licenses/certifications or is it acceptable to state those on team member resumes, along with license number and expiration?

The license number and expiration are fine.