TR202701 - Validation of Rock Base and Rubblized PCC Layer Inputs for Pavement ME Design – Questions and Answers

Q1: Will MoDOT provide help for sample and/or material collection for laboratory testing?
A1: MoDOT will provide contractor contact information to the research team. MoDOT Research will help coordinate this effort, but ultimately it will be between the research team and the contractor to procure samples.

Q2: Will MoDOT provide traffic control support, lane-closure coordination, or other field-access assistance during field testing?
A2: The selected research team will have to coordinate for traffic control. This cost should be built into the contract. MoDOT districts have vendors that primarily perform traffic control operations. MoDOT Research will coordinate with the districts and provide a list of vendors to the selected research team.

Q3: How is traffic control managed for this project? Are proposers to provide TC? Does MoDOT have a list of approved TC vendors to share?
A3: Refer to answer A2.

Q4: Does MoDOT have a listing of candidate projects that will be immediately available? If not, what is the agency's expectation regarding delivery, or what will the process be to identify candidates? Should proposers include effort hours to help build that catalog of relevant state roads?
A4: MoDOT will provide a list of projects over the next two (2) construction seasons to the research team. The researchers should include the effort hours in developing their list. The research team will have to work on a case-by-case basis as most of the time the use of these materials will depend entirely on the contractor that is awarded the project choice of base.

Q5: How many locations are desired for FWD testing, tentatively? The RFP states that the research will cover all districts in Missouri – is there a minimum number of sites per district?
A5: At least one sample of rock base and rubblized PCC per district, when possible. MoDOT understands that simply due to the planned work, there may not be a source from every district.

Q6: Is subsurface exploration required at field sites? Any description of MoDOT's expected level of exploration and sampling is appreciated.
A6: This will depend on the nature of the base and where the research is performed. Rubblized PCC should be tested in place, in the field, for most accurate results and the subgrade beneath will impact the results. If the rock base is able to be tested off-site (in a lab) then no subgrade exploration would be required.

Q7: Should field sites and PMED cases presume that rubblization is used under HMA overlays only, or should it also consider PCC overlay designs and applicable design tools?
A7: Both PCC and HMA overlays should be considered.

Q8: For Task 3, are there sufficient construction and materials data available for rock base and rubblization projects to evaluate and recommend the material properties, thicknesses, and compaction levels specified in the RFP for this task?
A8: The researcher should have the current design/build projects on I-70 and I-44 to get the data needed for this task. MoDOT Research will coordinate this effort between the researchers and the design/build teams.

Q9: Would the team have access to any past field test data (FWD, GPR, Boring records, DCP/CBR)?
A9: This is project dependent. For any closed-out construction projects that have data, yes and MoDOT will share with the research team. Otherwise, the research team will have to coordinate with the contractor to get this information.