

ICMPA 2022 Proposed Workshop: Incorporation of Structural Response in Asset Management

Workshop Description:

State DOTs have historically relied on ride quality and surface distresses to drive their pavement decision-making process. While these metrics are important and merit attention, they are lagging indicators. Pavements are designed to provide structural support, so efficient methods of documenting the current and future structural condition (a leading indicator) are needed. In the past few years more than half of the State DOTs have started exploring the incorporation of structural response in their asset management efforts. This workshop will provide a forum for exchanging information on State DOT experiences and applications with structural response data to help formulate implementation needs and ideas.

Workshop Agenda:

Proposed workshop agenda is as follows:

- Introduction: Importance of Pavement Structural Evaluation to Decision-Making Process
 - Max Grogg, ApTech – 15 minutes
- State DOT Experiences and Applications: Part 1 – 90 minutes
 - Jim Poorbaugh, Mississippi DOT
 - Eric Carroll, South Carolina DOT
 - Xiaoyang Jia, Tennessee DOT
 - Rick Miller, Kansas DOT
 - Jenny Li, Texas DOT
- Break – 20 minutes
- National Perspective: Part 2 – 40 minutes
 - Nadarajah Sivaneswaran, FHWA
 - Gerardo Flintsch, VTTI
- Round Table Discussions: Part 3 – 45 minutes
 - List of Lessons Learned
 - List of Potential Applications