

Recommended as Reviewers:

- Jim Mahoney, UConn CAP Lab
- Rajib Mallick, WPI
- Walaa Mogawer, UMassD
- Jo Sias Daniel, UNH
- Tom Bennert, Rutgers

Questions that Reviewers will answer:

- How do the test results compare to the performance of those mixes in the field? To what degree have the procedures been confirmed in the field?
- Will iRLPD be able to fully replace AASHTO T283?
- The sample size proposed in these procedures is different than current practice. Do you believe this is representative of what the field conditions are? Also, it appears that two different sample geometries were used with different conditioning for the samples. How easy, accurate, and repeatable will it be to prepare samples?
- How would samples be affected by different climates, or the use of materials from different areas?
- Where did the equation to determine Allowable Traffic come from?
- How would Anti-Strip affect the results of iRLPD? Would it be meaningful to include anti-strip in the process?
- Will iRLPD provide insight into the long term effect of anti-strip? The T283 test lacks repeatability in this area. Will the iRLPD be able to achieve this?
- AASHTO T283 only works 50% of the time. How can you compare the results of iRLPD to the results of T283, given that T283 results can be inconsistent?
- How can we compare this test to other tests (T283, Hamburg)? What is the correlation between the tests?
- Why doesn't the current test procedure show problems we are having in New England? Is iRLPD capable of identifying differences in binder of the same grade?
- Is Dr. Azari's approach to determining rutting potential of the mixture valid? Does it make sense to look at secondary deformation as an accurate predictor of rutting?
- Would this process be different for mixtures that are binder or aggregate dependent? What is the effect of different types of mixes?
- Are there any known blind spots in the test procedures, such as fibers or other additives?
- Can iRLPD be used to perform low temperature testing?
- Please provide a recommendation of further research that may be needed, and why.

Some of the questions listed above would be more appropriate to ask Dr. Azari than the reviewers. I recommend that we still ask the reviewers to answer all questions as best they can. Concurrently, we ask Dr. Azari to answer the questions. The comparison between her answers and the reviewers' answers might be very valuable.