



Development of a Database for State DOT ASR-Related Specifications

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Background

- Discussion at 2018 CoMP – “Why are states not following AASHTO R 80 or ASTM C1778 for ASR mitigation?”
- If AASHTO R 80 or ASTM C1778 are not meeting the needs of DOTs, we should modify
- Best practices should be employed
- The industry would benefit GREATLY from a uniform approach to ASR mitigation



Background

- First (apparent) Step – Asses the “as-is” condition
- Led to discussion of development of a database on State DOT ASR-Related Specifications
- Next (potential) Steps
 - Gap Analysis
 - Remedial Changes to R 80?
 - Implementation
- Michigan DOT supported the initial work required to establish the data base



Database

<http://mdot.mse.mtu.edu/dotspecs/>

Observations

- Most common approach to ASR mitigation appears to be limits on cement alkali content
- No direct references to R 80 (C1778) but one state (PA) has adopted much of that approach, with some modifications
- Guidance on ASR (in general) is not clearly stated
 - Spread throughout various sections
- Navigating your web sites is not easy
 - Old/outdated info mixed with current
 - Broken links
 - Unsearchable PDFs



Next Steps

- **We need your help cleaning up the data**
 - Look at your state and tell us what needs to be corrected or added
 - Provide links to correct info where possible
- Tell us how to improve the interface so it is more useful for you
- We need a modest level of support for Phase II
 - Clean up/interface modifications
- We want to discuss next steps. TG?

Questions?

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Fun fact of the day....



