

SHRP2 R07: The Use of Performance Related Specifications

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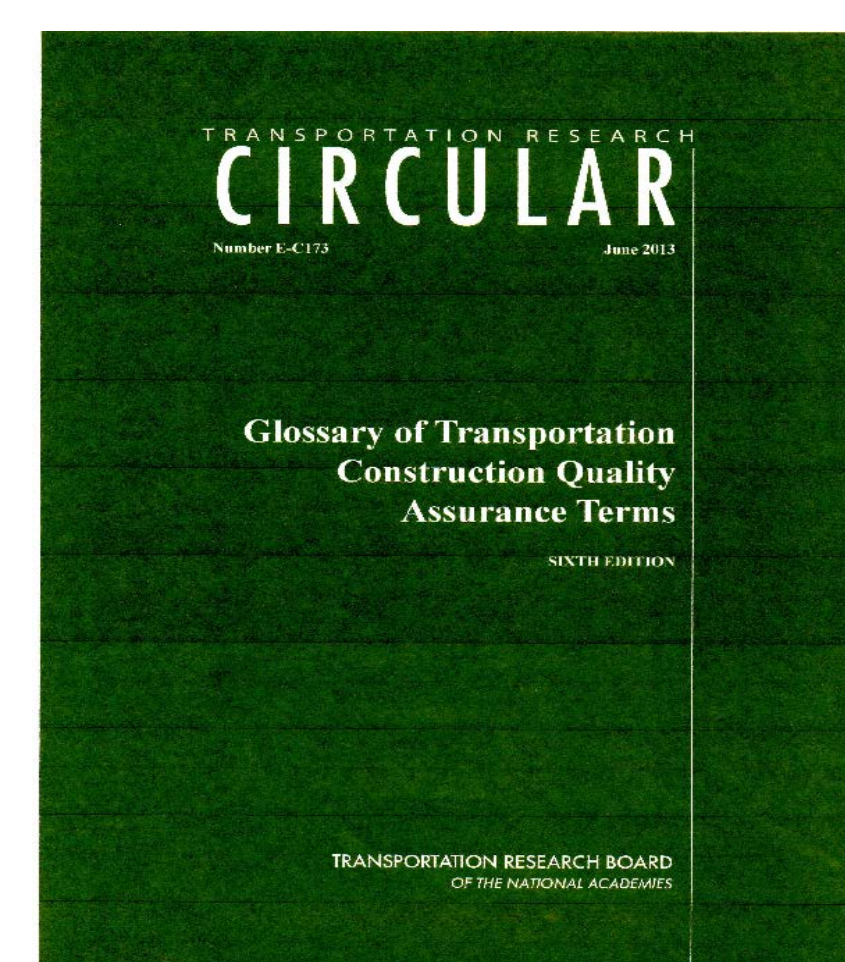
Performance Related Specs: Cement Stabilized Bases

By developing a performance specification for reclaimed pavements and bases that are stabilized with cement, VTrans expects to be able to make acceptance decisions based on the measurement of the finished products using fundamental engineering properties that predict the long term performance of the structure. VTrans has utilized in-place recycling technology for years, but due to compounding events over the past few years including reduced pavement performance, doubts regarding the effectiveness of the technology have led to their participation in the IAP program.



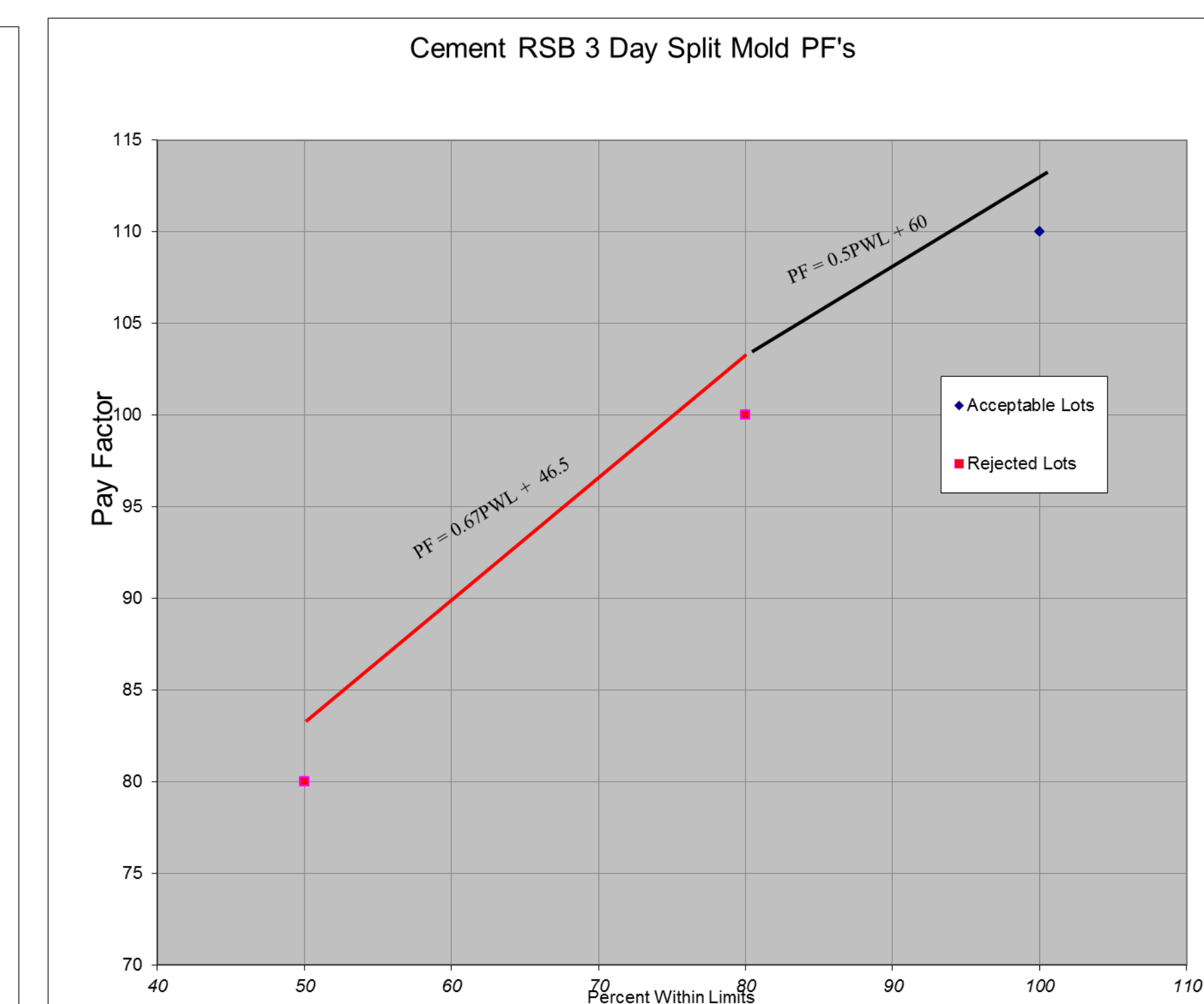
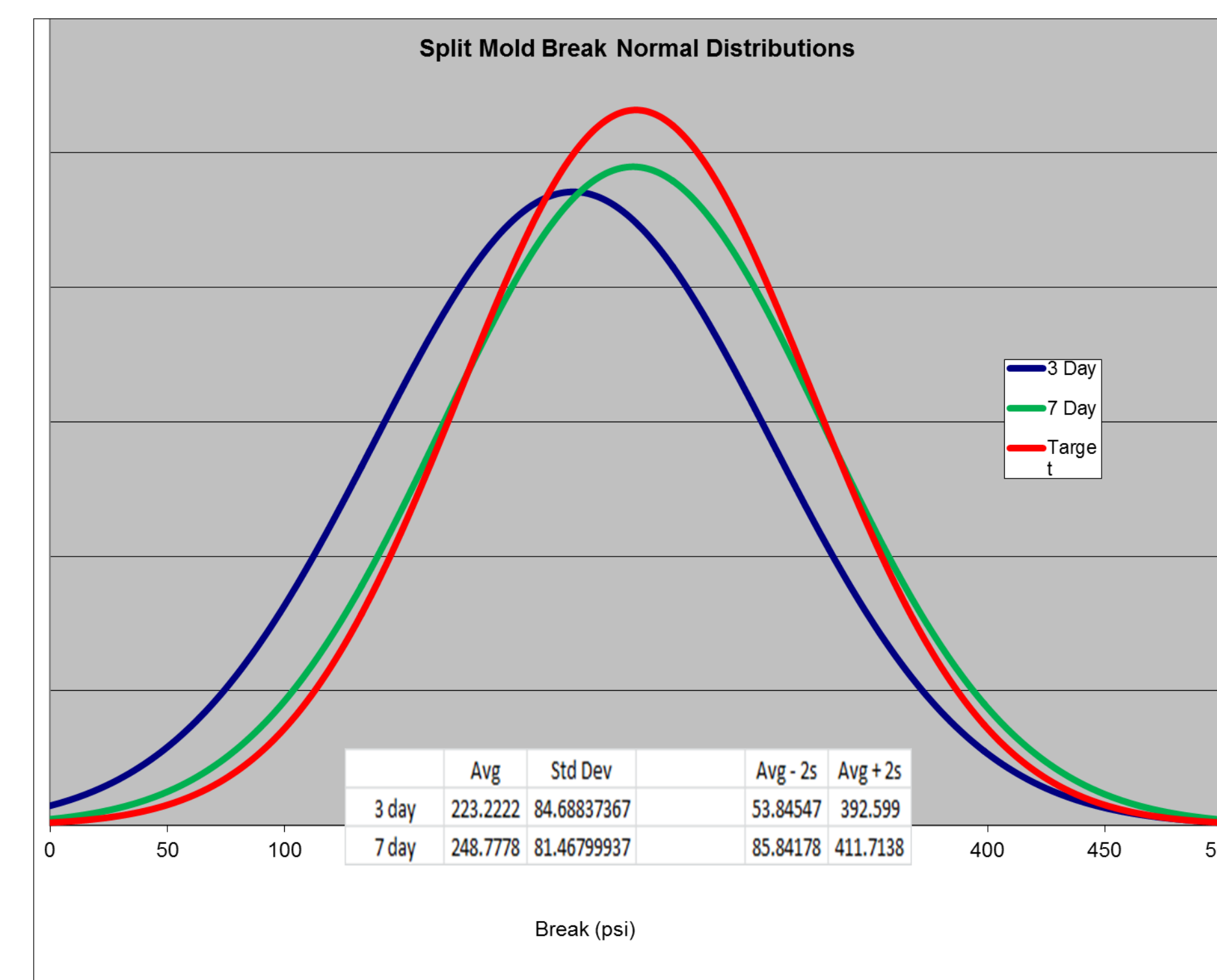
What Was Done?

Specifications were developed by VTrans and incorporated into a 2015 project that partially addressed the move to performance specifications for Full Depth Reclamation with Cement. The project was a continuing effort in improving the specifications for and the constructed results of a cement stabilized FDR project. The new contract language strived to improve accountability and move towards a more performance based set of criteria.



Did We Get What We Wanted?

Results of testing during the first project construction proved promising in that key target specification requirements were met. The Contractor acted as a partner in the project and make some modification to the contract with VTrans support to ensure the goals of the project were met.



Did We See Benefits?

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Next Steps?

Performance specifications FDR operations with cement are to be finalized and utilized in a future project as a shadow specification with full implementation to follow in the future.

Acknowledgments

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