

IMPLEMENTATION OF SUPERPAVE IN THE PRAIRIES

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STATUS OF SUPERPAVE IMPLEMENTATION

- Manitoba Infrastructure and Transportation
 - Currently using PG Binders
 - Superpave Mix Design not currently in use
 - In the process of investigating feasibility of implementation
- Saskatchewan Ministry of Highways and Infrastructure
 - Superpave not currently in use
 - No immediate plans to move to Superpave
 - Saskatchewan cities not using Superpave – may reconsider if MHI implements

SUPERPAVE IN MANITOBA – PG BINDERS

- Using PG Binders in some new construction and rehabilitation
 - Test section set up for monitoring over the next few years
- MIT has full Superpave binder lab at U of M
 - Binder testing conducted over winter for conformance (past 12 to 15 years)
 - Plan to move towards real-time testing for QC/QA
 - Currently looking into acquiring additional equipment (2017-2018)
- Discussions with suppliers regarding plans to transition to PG binders

SUPERPAVE IN MANITOBA – MIX DESIGN

- Recently began study with U of Manitoba
 - Looking at feasibility of implementation
 - Literature review
 - Survey of local industry
- Implementation Strategy
 - Consideration of compatibility/viability with local aggregates

SUPERPAVE IN SASKATCHEWAN – PG BINDERS

- No plans to move to PG binders
 - MHI has test binders and found that local supply is of consistent grading
 - Modified binders not typically used
 - Concerns regarding extra cost for PG binders
 - The risks of transitioning outweigh the benefits
- City of Moose Jaw
 - Local supplier (Moose Jaw Asphalt) does not meet required PG without modifications
 - “C of M has many things that must be addressed in our specifications before we can even think about using modified binders”

SUPERPAVE IN SASKATCHEWAN – MIX DESIGN

- MHI Evaluated Superpave in the 1990's
 - Concluded that Superpave was not optimal for Saskatchewan's typically low traffic volumes
- MHI has incorporated some components of Superpave aggregate specs to enhance MHI's aggregate specifications
 - (ie. fine aggregate angularity)

FUTURE OF SUPERPAVE IN THE PRAIRIES

- Manitoba currently investigating strategies for a methodical implementation
- Saskatchewan has previously investigated Superpave but does not believe that it is beneficial to implement for the province
- Major Cities have not implemented Superpave and likely will not unless the Province does so first



THANK YOU

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