



Transportation System Preservation Technical Services Program

Pavement Preservation

MIT Treatment Guidelines

Thank you Gill Hedman!

- Background
- Overview
- Successes
- Challenges
- 2nd Edition



GUIDELINES FOR PAVEMENT PRESERVATION TREATMENTS



MANITOBA INFRASTRUCTURE AND TRANSPORTATION (MIT)

1ST EDITION
SEPTEMBER 2013



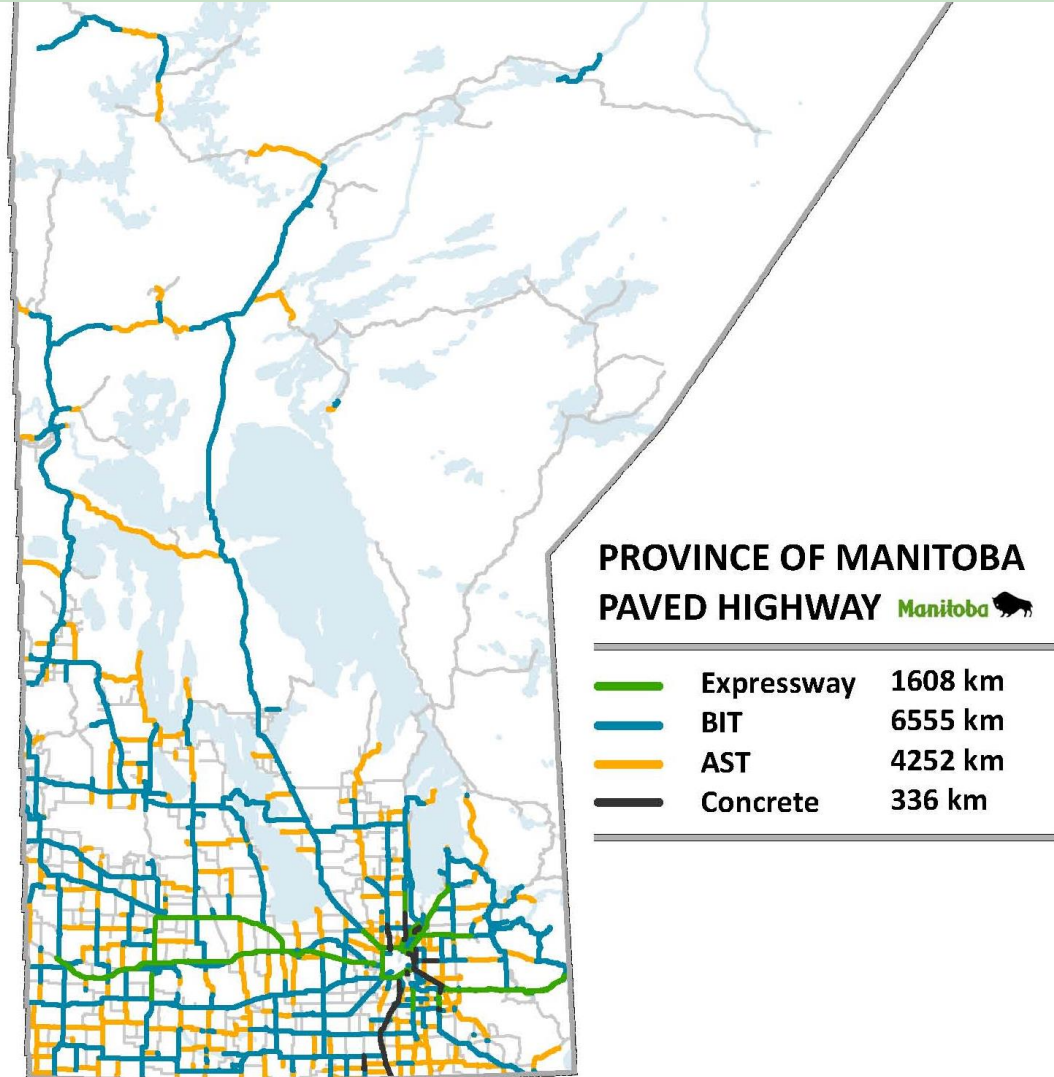
Transportation System Preservation
Technical Services Program

Pavement Preservation

**Manitoba
Surfaced Hwys**
12,750kms / 7,900mi

12.6% **Expressway**
51.4% **Bituminous**
33.3% **AST**
2.7% **Concrete**

Gravel
6,400kms / 4,000mi





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Transportation System Preservation
Technical Services Program
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Background

- Various Flex & Rigid Treatments
- Consistency across Regions
- Ensure Proper Selection Practices are being followed (3 Rs)
- Cataloguing / Monitoring





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Overview

- AM Principles
- Selection Process (CS Map)
- 16 Flex and 7 Rigid Treatments
- Dust Palliative Care





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Successes

- Committee mobilized with representation across MIT in 6mo.
- DRAFT Report compiled
- 1st Ed. - currently under review
- New Treatments Captured





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Challenges

- Group consensus
- Coordinating with all Stakeholders
- Cataloguing / Compiling Info.
- Revisions to current practices





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2nd Edition / Improvements

- Update Photos/Construction Costs
- Further Research
- Include Selection Matrix
- New Treatments for Tool Box...



Manitoba 
Infrastructure and Transportation



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NEW: FiberMat Layer

2km (1.2mi) Test Site on
Trans Canada Highway (EBL)





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FiberMat Truck





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Pavement Preservation

Fiber Spools





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Pavement Preservation

Fiber/Emulsion Applicator





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Fibers & Emulsion





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Pavement Preservation

Single Layer Graded Chips





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Compaction





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Transportation System Preservation
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Pavement Preservation

Final Lift over FiberMat





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Technical Services Program

Pavement Preservation

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