Monitoring the Long-Term Pavement Performance of New Zealand Roads

The journey so far

Carol Ma (Traffic Assets Engineer - Graduate)
Monitoring the Long-Term pavement performance has been a worthwhile exercise and it will continue to benefit us in the future.
Monitoring the Long-Term Pavement Performance

• History of LTPP
• Data Collection and Challenges
• Application of LTPP
Why LTPP

- Existing Asset Knowledge
- Levels of Service
- Predict Demand
- Assess Condition, Measure Performance
- Monitor Audit
- Implement Optimum Solutions
- Finalise Programme
- Evaluate/Select Treatment Options
- Assess Failure Modes and Risks
- dTIMS
Setting up - Selecting Sites

Site Selection Matrix

- Traffic
- Age
- Pavement Strength
- Sensitivity
- Location - Urban/Rural
Setting up

Total of 152 Sites
Data Collection - Roughness
Data Collection - Rutting
Data Collection - Texture
Data Collection – Visual Assessment
Data Collection Challenges
Data Collection Challenges
Applications of LTPP

East Waikato - LWP

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<th>HSD (East Waikato)</th>
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Application of LTPP
Thank You!