

Consistent Condition Data Collection

October 2022

Background

In 2021–24 approximately \$1.5 billion will be spent on local road sealed pavement maintenance, resurfacing and rehabilitation.

The quality and consistency of the condition data is a crucial component of evidence-based investment management and optimisation of the whole-of-life asset cost. In addition, condition data is a critical indicator for maintenance programming, monitoring performance, managing maintenance contracts, comparative reporting, research and fatal crash investigations.

The current approaches used for assessing network condition are outdated, leading to variable and inefficient collection of surfacing and pavement condition data across New Zealand. Establishing a Consistent Condition Data Collection (CCDC) programme would improve asset management system outputs for both local and national decision-making.



Consistent Condition Data Collection project outcomes

- Specifying the pavement and surfacing condition data to be collected for measuring, analysis, reporting asset and network conditions.
- Establishing the means to consistently collect the condition data and implementation across New Zealand.
- Ensuring the right condition data is consistent and available to all councils by 30 June 2027.

Implementation of the Business Case recommendations

The CCDC Business Case proposed investment to enhance asset management and investment decision-making. Waka Kotahi NZ Transport Agency endorsed the CCDC Business Case for implementation in July 2022. This represents a significant milestone for the project and the culmination of 18 months of hard work from a wide range of stakeholders and organisations in the sector.

Te Ringa Maimoa will lead the CCDC implementation with support from RCA stakeholders and sector providers. Key steps through to 30 June 2024 include:



Expected benefits

- Better lifecycle management and performance
- Enhanced safety and asset management decision-making
- Quality assured condition data
- Value for money data collection
- Health and safety risk elimination
- Freeing up crucial sector capacity

Business Case

Key investments and changes proposed:

- ✓ Adoption of new minimum requirements for automated data collection (roughness, rutting, texture, geometry and cracking) on local road networks.
- ✓ Adoption of national data standards and specifications for consistent data collection, accuracy, processing and management.
- ✓ Discontinuation of current manual condition rating requirements.
- ✓ Provide guidance and support to TLA RCAs for skid resistance and pavement strength data collection.

National 'Centre of Excellence' model for delivery:

- ✓ National approach to data collection calibration and quality assurance to ensure consistency.
- ✓ TLAs grouped by larger geographic areas for data collection activities.
- ✓ Centralised procurement and contracting, led by Waka Kotahi as the Principal.

The new national requirements and delivery model are expected to start from 1 July 2024.