

Townsville City Council, from condition data to informed decisions using PARMMS-Horizons Management Tool

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Townsville City Council (TCC), one of the largest local government authorities in Northern Queensland, is responsible for managing and maintaining one of the largest roads network in Australia. Pavement Management Services (PMS) has been appointed to conduct road condition surveys using ARAN LRMS Technology. The road condition survey has provided TCC with an accurate picture of its road assets. However, to better manage public scrutiny and enhance its overall asset management approach, TCC also needed to make more proactive use of detailed data that had been collected.

On this basis, the council began looking for a versatile asset management software solution that would allow it to carry out enhanced pavement modelling; put strategic works programmes in place that take account of optimising budgets, and ultimately ensure better allocation of available funds to ongoing road capital and operational plans. It has been recognized that its existing system struggled to visualize the network condition and interact with deterioration modelling to make informed decisions.

To rectify this, council moved to use PARMMS-Horizons Road Manager powered by Yotta. PARMMS-Horizons is now integrated into PMS technology suite, following the consultancy's recent partnership agreement with Yotta.

TCC is now using PARMMS-Horizons to develop a detailed future works programme, including in-depth capital and operational plans. The goal is to meet prescribed levels of service around road quality while maintaining tight control of rate payer spending. In line with this, TCC is now using PARMMS-Horizons to create a capital works programme that enables it to understand how much it needs to spend every year for five years to maintain the network to the required standard. In addition, PAMS has prepared Maintenance Road Program to be applied yearly.

This paper summarises the implementation of PARMMS-Horizons Platform into TCC Asset Management Systems and how this tool assist the Council for making informed decision for managing their network.