Road Markings Asset Management Planning RAMP

APSE Scotland Road and Street Lighting AG Group

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- **Why do we need RAMP?**
  - Code of Practice
- **What is RAMP?**
  - Levels and options available
  - Retroreflectivity Survey
  - Conditional Survey
  - Asset Management
  - Data based decision making
- **Outcomes of RAMP**
- **What next?**

Why do we need RAMP?

Managing Infrastructure

Being asked to do more with less

Assisting Local Authorities

What is outlined in the code of practice?

Well Managed Highway Infrastructure: A code of Practice.

- B.5.14. SERVICE INSPECTION OF ROAD MARKINGS AND STUDS

- B.5.14.1. Inspections in respect of wear, spread, colour, skid resistance and <u>retroreflectivity</u> shall be undertaken for paint markings and for thermoplastic markings, at frequencies determined by risk assessment.

- Inspections for reflective conspicuity should be carried out during the hours of darkness and programmed to enable maintenance works to be completed before the onset of winter.

UK ROADS LIAISON GROUP

WELL-MANAGED HIGHWAY INFRASTRUCTURE:
A CODE OF PRACTICE

OCTOBER 2016

What is RAMP?

RAMP

Codes of Practice & Incentive funds for Highways

Level 1 RAMP

- Retro reflectivity survey

- Report indicating performance of surveyed network

Level 2 RAMP

- Enhanced reporting via Asset Management system

Level 3 RAMP

- Conditional survey of road marking assets
- Additional data sets

RAMP Level 1

Latest Surveying Machines

- RetroTek D Scanner recently added to the fleet, increasing our capability

Lines and Studs

- Measures the retro reflectivity of lines on both sides of the carriage way

- Counts the studs that are working – identifying areas where studs will need looking at
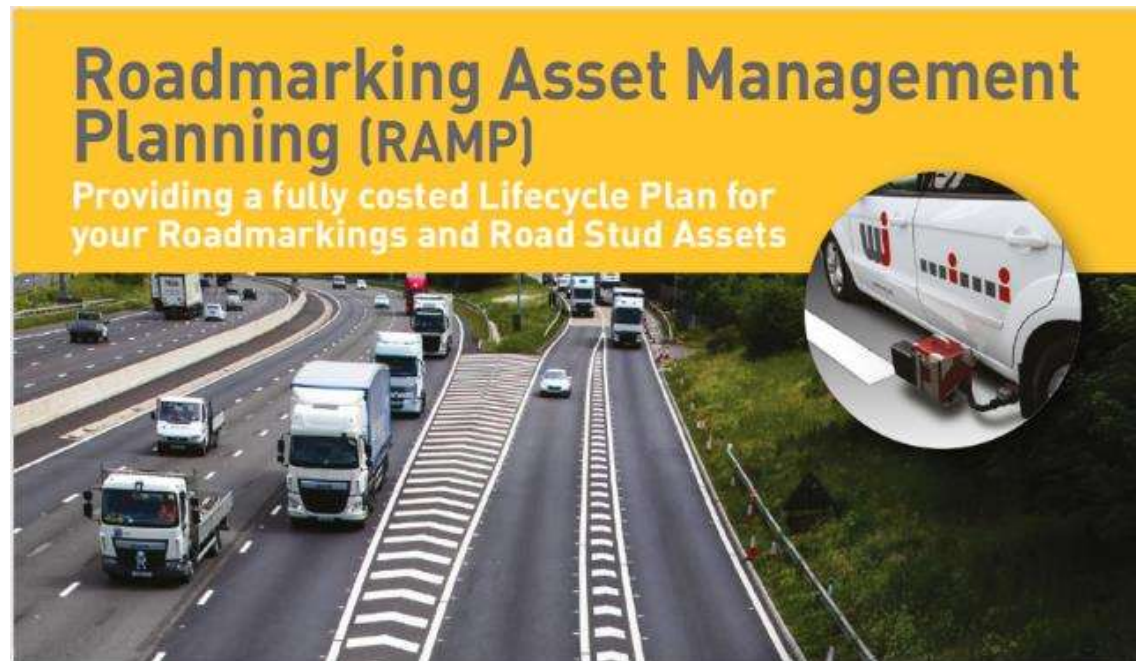
Standard Reporting

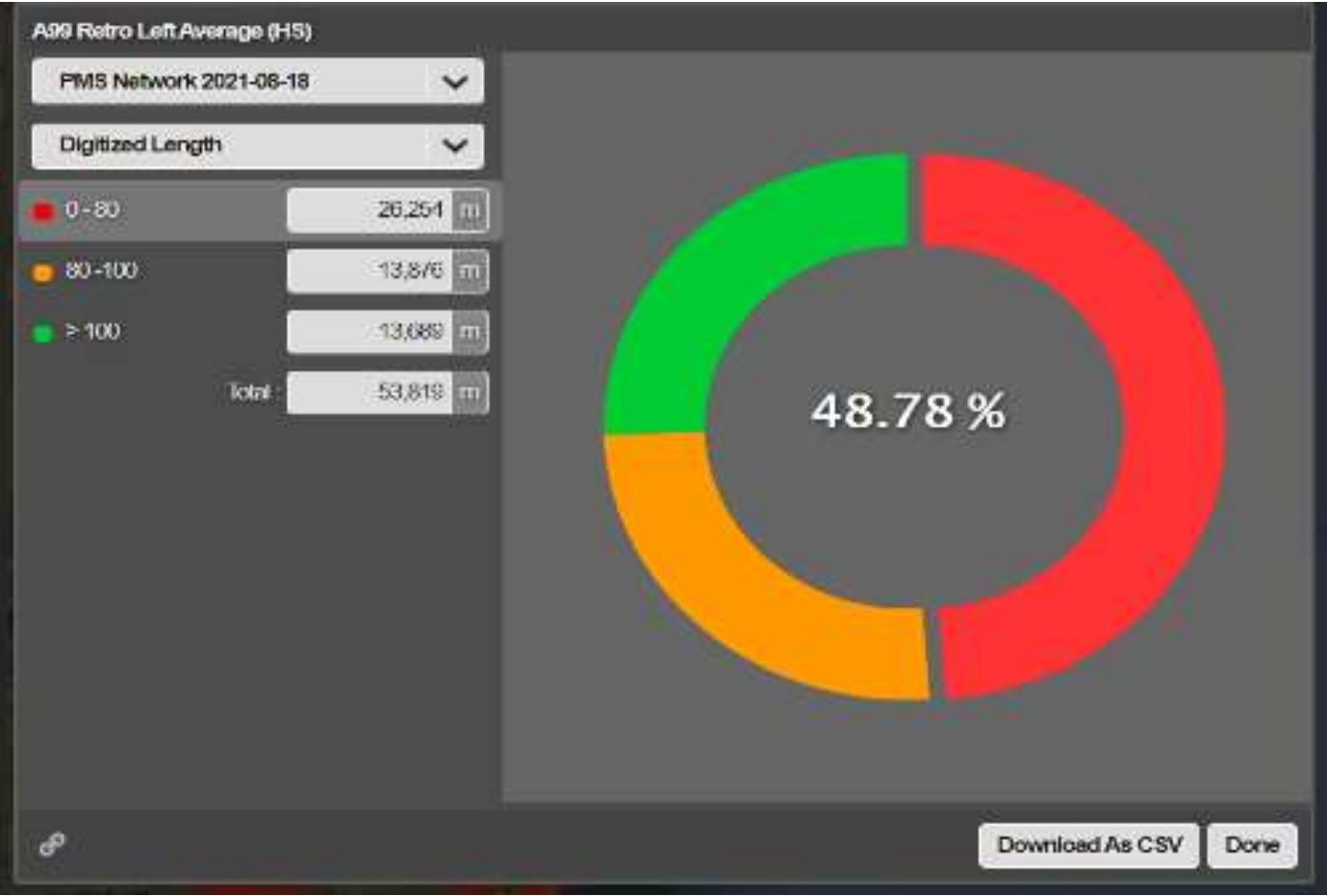- Red, Amber, Green reporting direct from the survey machine

- Fast results

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RAMP Level 2

Enhanced Asset management reporting

- Retro Reflectivity survey loaded into our asset management tool – quickly giving a through picture on the state of the network
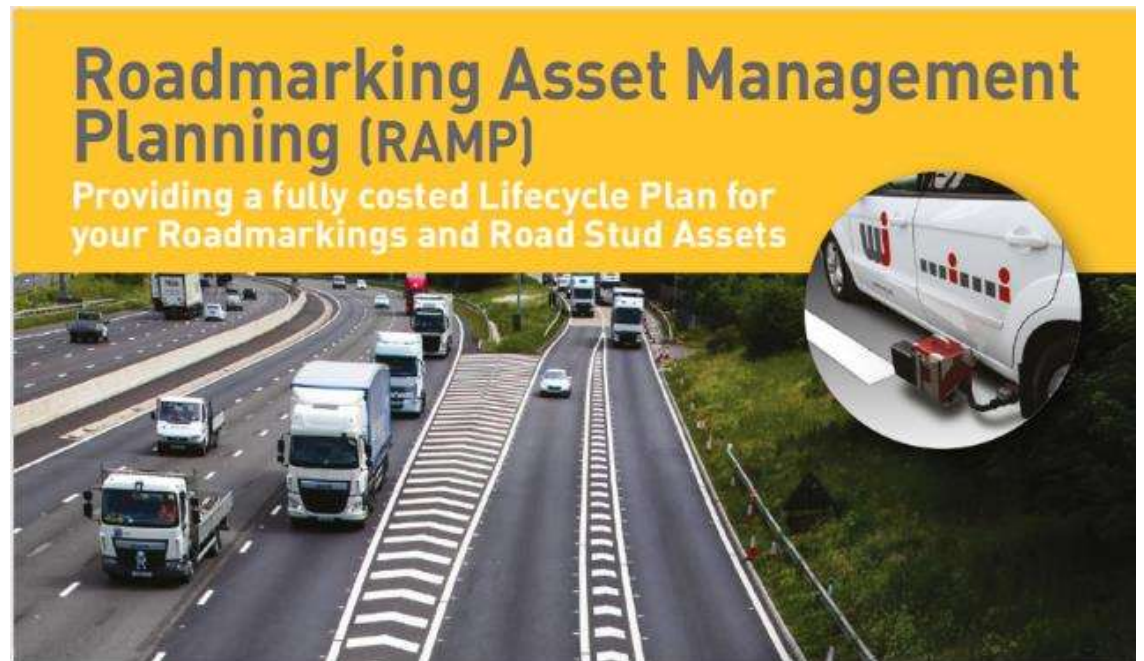

Roadmarking Asset Management Planning (RAMP)
Providing a fully costed Lifecycle Plan for your Roadmarkings and Road Stud Assets

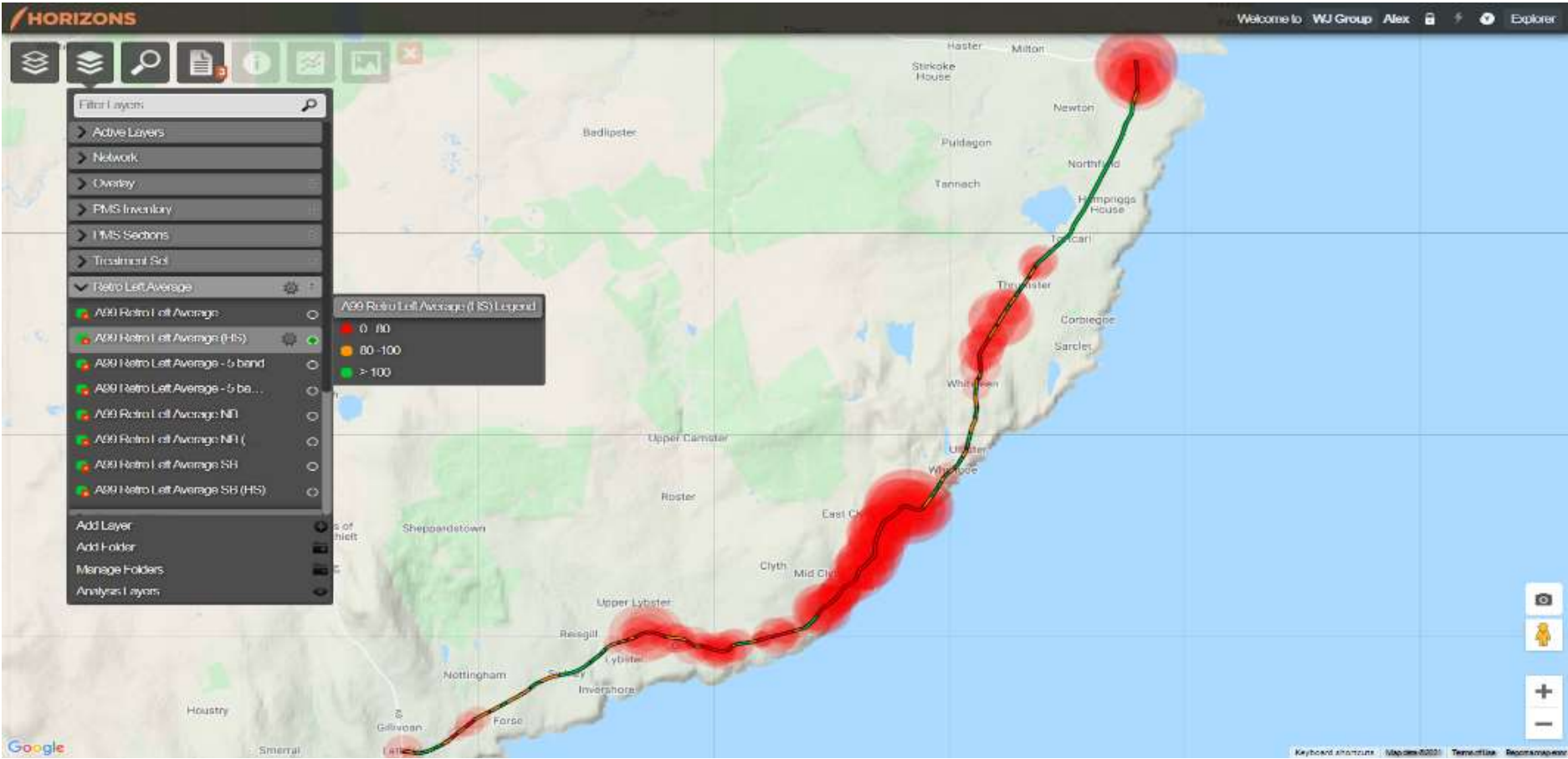# Asset Management – Quantifying Condition

RAMP Level 2

Enhanced Asset management reporting

- Retro Reflectivity survey loaded into our asset management tool

- Groups together lengths of road markings that require interventions to create efficient to deliver, carbon reducing schemes of work

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Asset Management - Prioritising

RAMP Level 2

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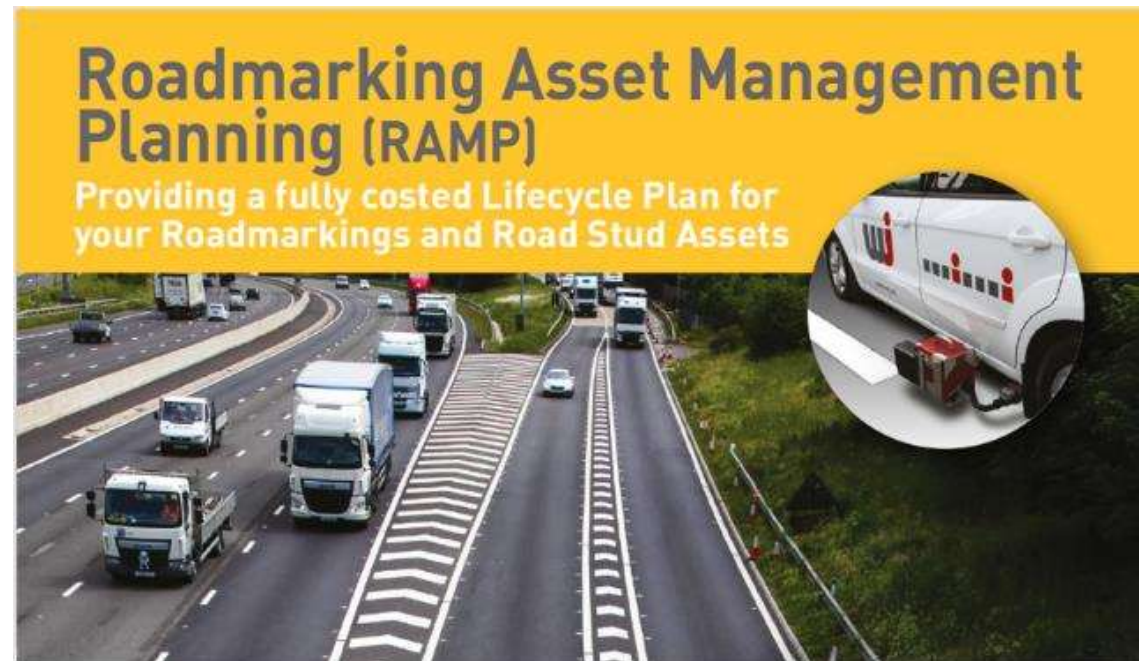
- Providing spending profiles based on survey data and software analysis

- Modelling options for different treatments

Asset Management – Spending profiles

RAMP Level 2

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- Providing spending profiles based on survey data and software analysis
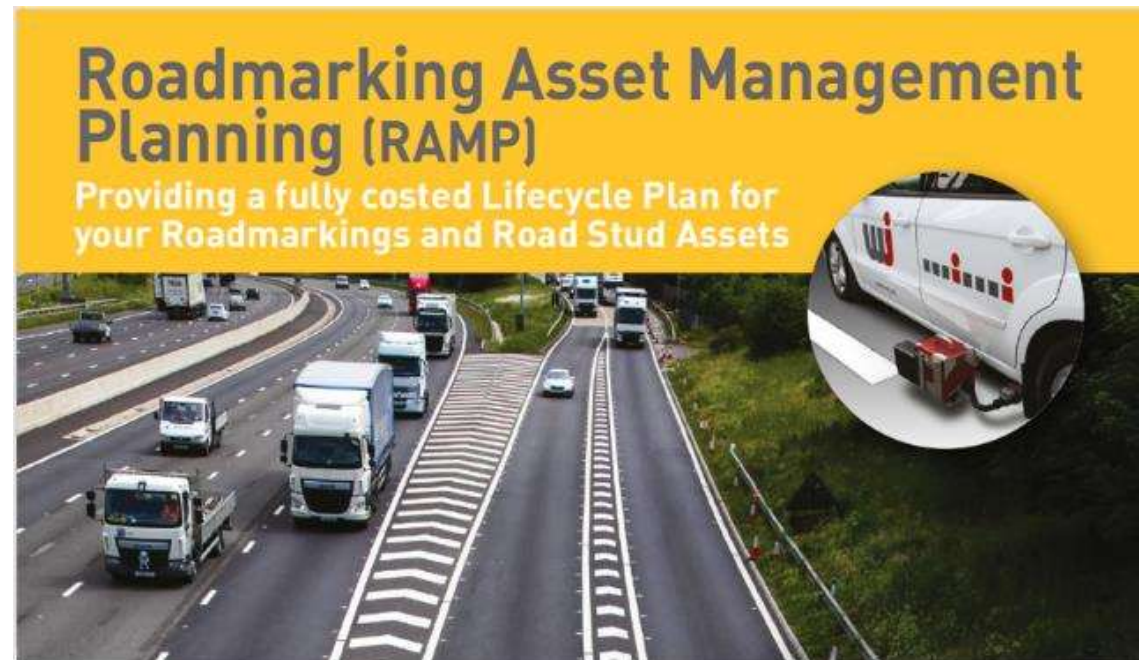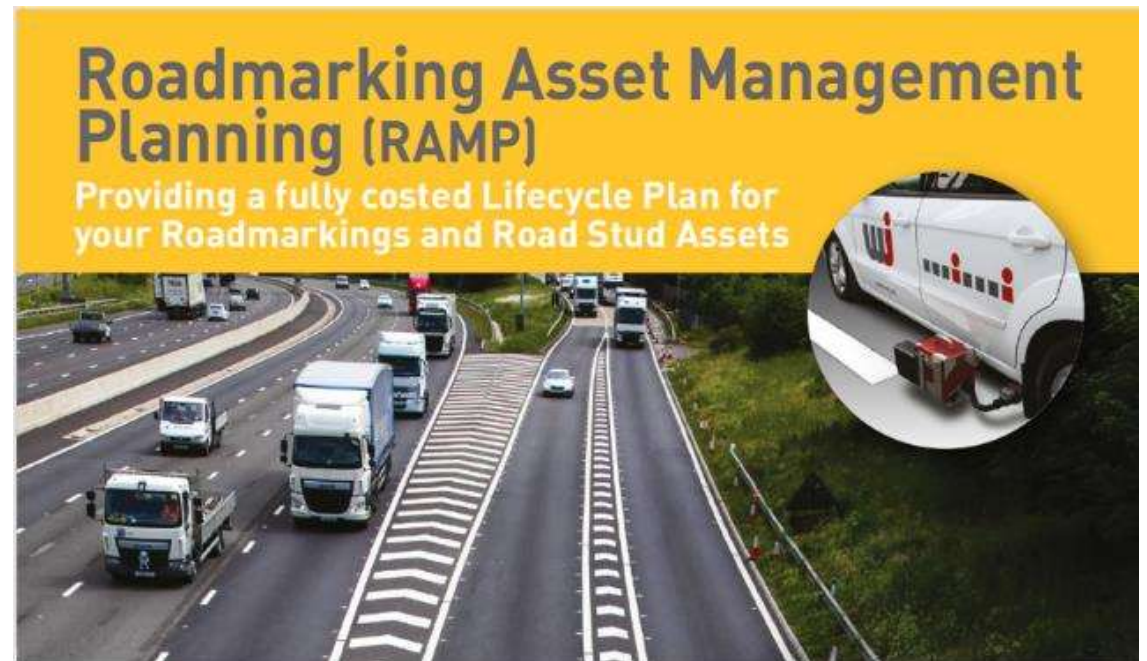
- Modelling options for different treatments

- Can provide work packages for period

- Carbon cost of schemes can also be calculated

Roadmarking Asset Management Planning (RAMP)
Providing a fully costed Lifecycle Plan for your Roadmarkings and Road Stud Assets

RAMP Level 3

Support data-based decision making

- Conditional Surveys

- External data

  - STATS 19 data

  - Road surfacing plans

- Complete view of Road Marking environment

- Supports sophisticated decision making with clear data supported evidence

Outcomes

RAMP Deliverables

- Survey of retro reflectivity performance of the network

- Supporting the Local Authorities and their partners to deliver and evidence backed asset management policy and strategy for road markings and road studs

- Life cycle planning for road markings

- Work programmes to support efficient delivery and carbon reduction

What next?

Thank you

Any Questions?