VAISALA
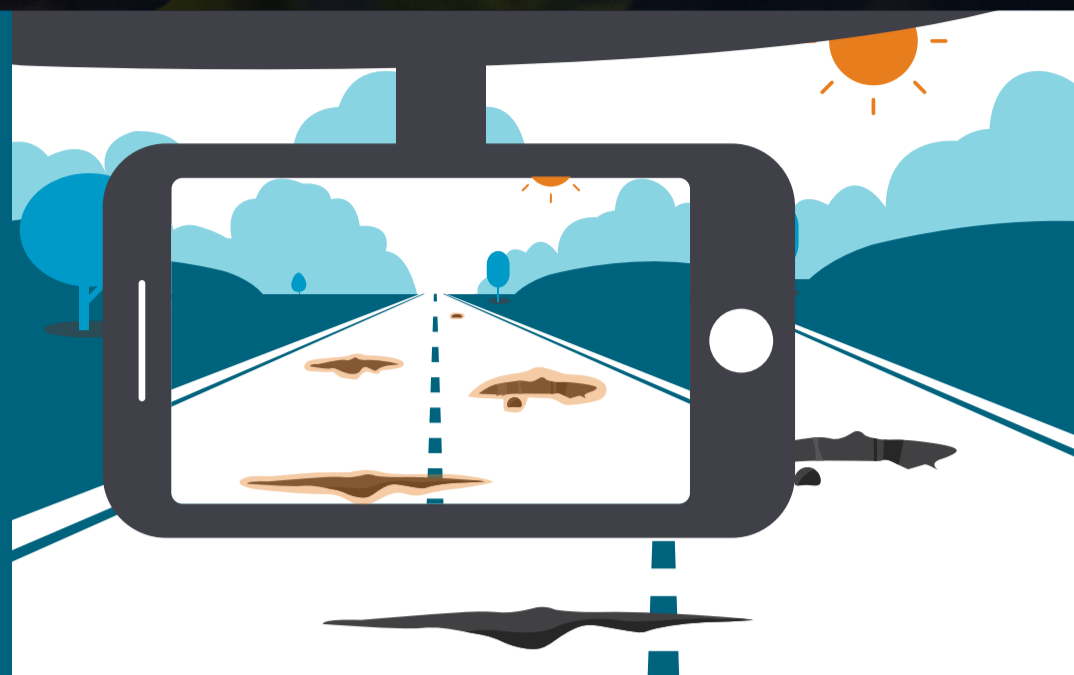
RoadAI: Less driving, less carbon emissions

Vaisala RoadAI provides a quick, complete, objective analysis of pavement conditions through an automated road survey methodology. Gathering video with a smartphone attached to any vehicle, the solution identifies road conditions across the full road width plus defect types and repairs, creating multiple datasets that provide actionable information for planned and reactive maintenance — all from the same drive.

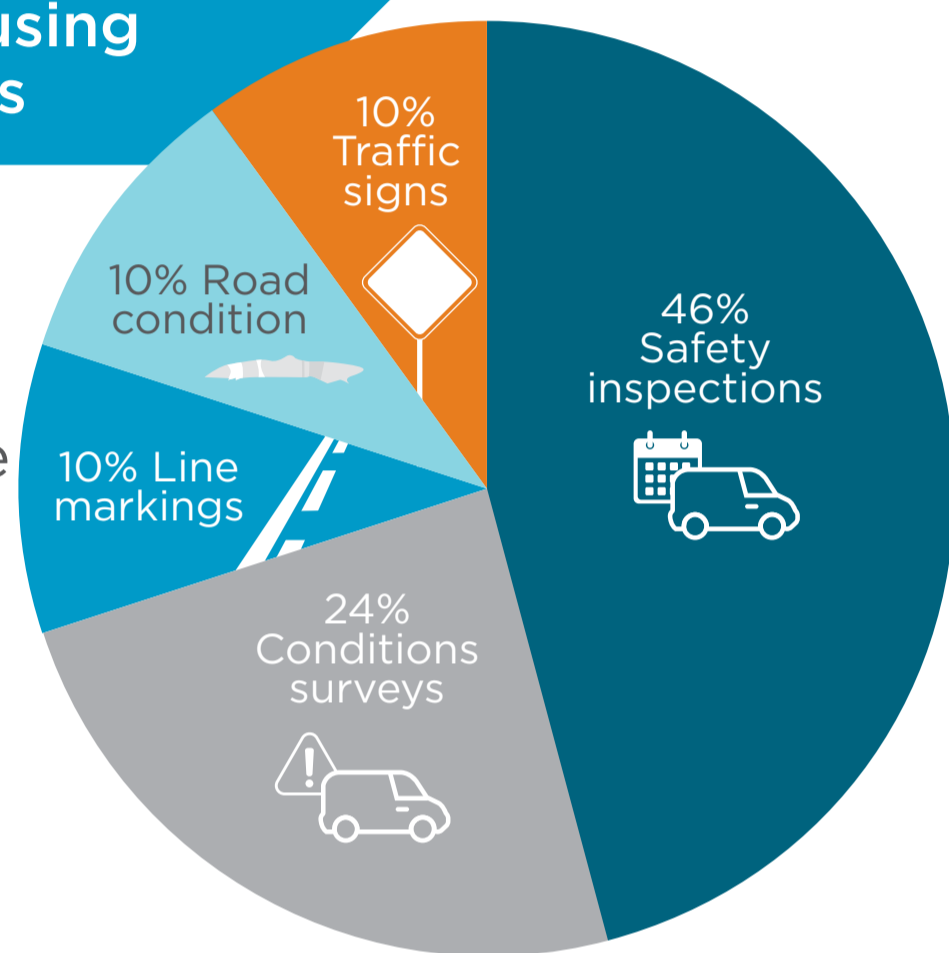This is great news for road maintenance organizations.

Not only can you easily gather data just by driving the network, the wealth of information RoadAI provides allows you to save time, costs and even carbon emissions.

This is smarter road asset management.

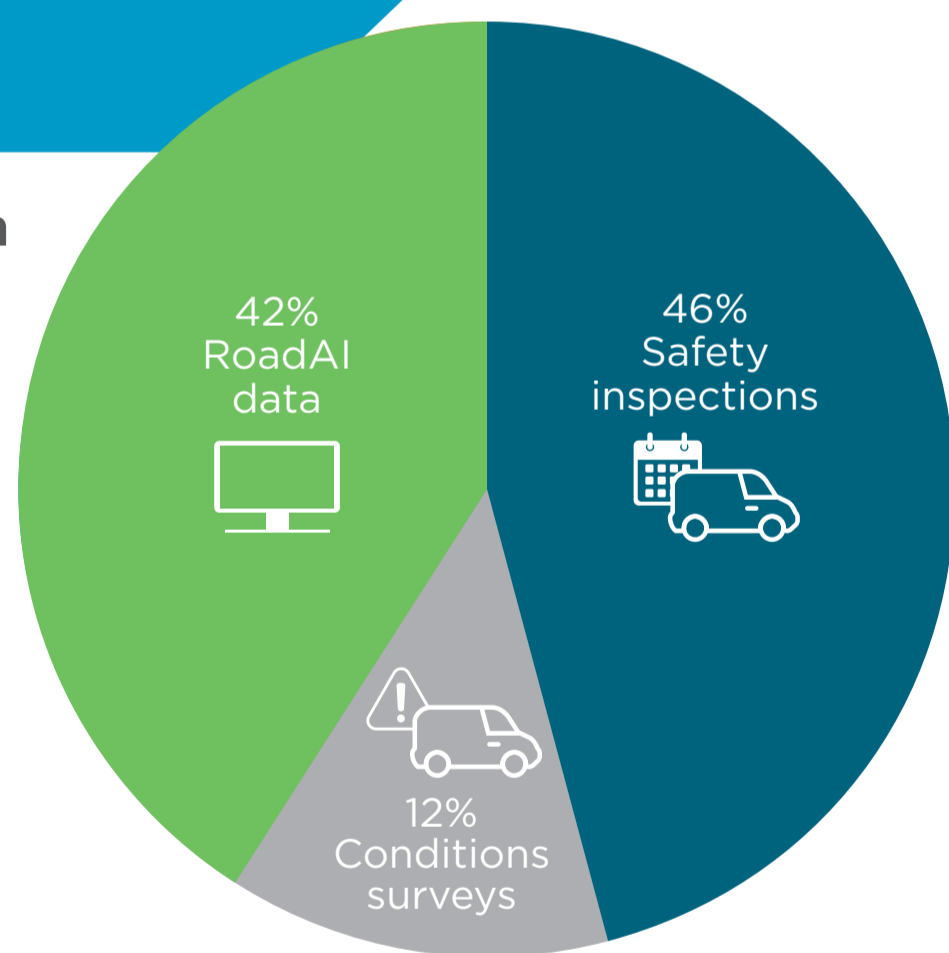## Average carbon footprint using manual inspection methods

Road condition surveys take many forms, from planned to reactive maintenance. Safety inspections and some reactive inspections remain critical for ensuring safe road conditions.

- 10% Traffic signs
- 10% Road condition
- 46% Safety inspections
- 10% Line markings
- 24% Conditions surveys

Carbon emission savings using RoadAI

For a network of about 2000km (1242mi), using RoadAI can help reduce carbon emissions as much as 42% across all maintenance activity.*

Using RoadAI reduces or eliminates the need for repeated network surveys — you can often review the data instead of deploying an inspection.

- 42% RoadAI data
- 46% Safety inspections
- 12% Conditions surveys

Vaisala is here to help

From sensors to systems and digital services, Vaisala gives road stakeholders unrivaled road network visibility and decision support — so everyone can keep moving toward better, more insightful ways of operating. We are recognized experts in transportation, and we continue to channel our curiosity into new ways of making roadways safer and more efficient than ever — as reflected in our guiding principles:

- Move ahead
- Mobility and beyond
- The innovators
- See, understand, decide

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Learn more about how to drive improvement in your road asset management strategy.

vaisala.com/roadai