

Practical uses of Road Ai –

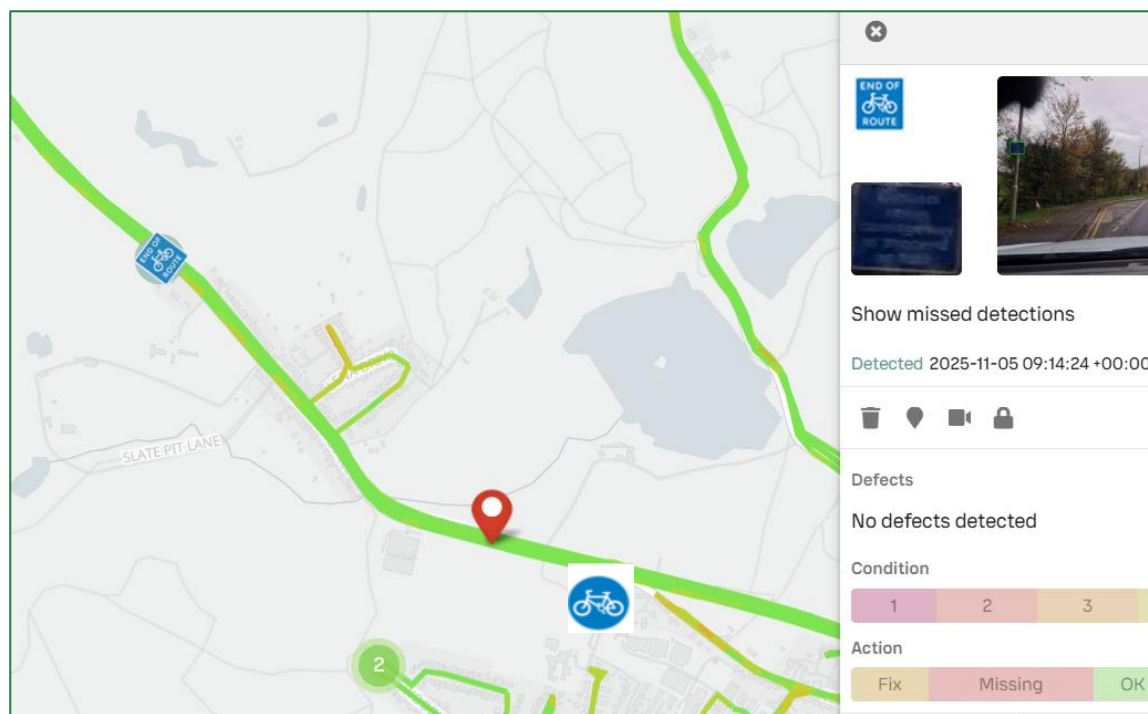
Mark Evans – Asset Management Specialist



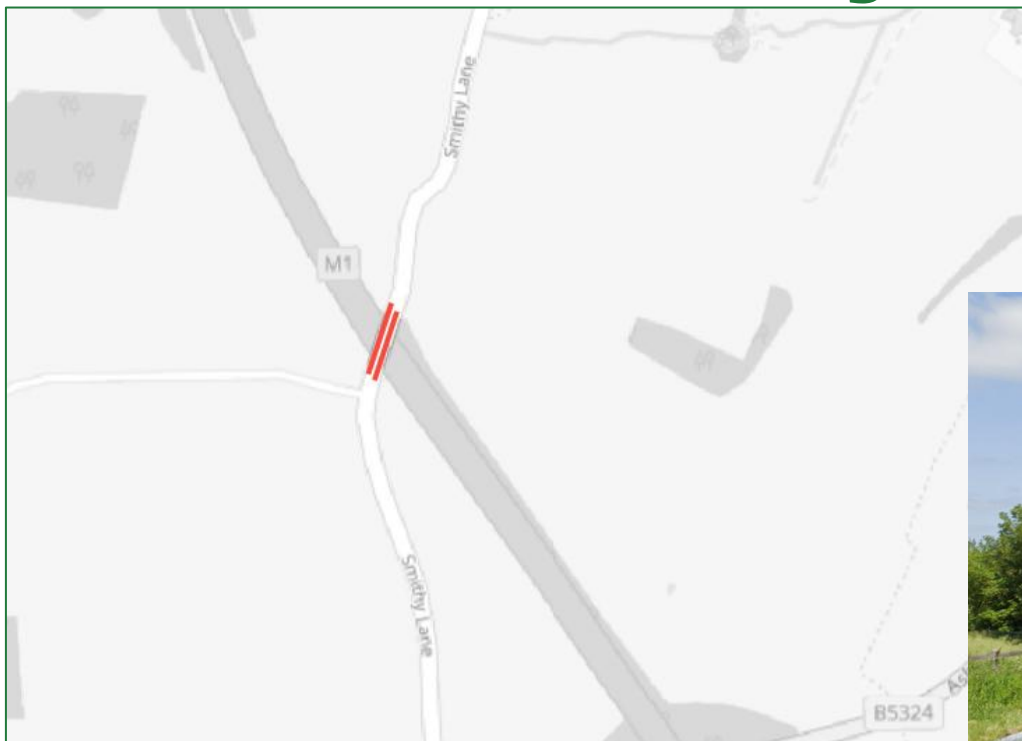
Leicestershire's use of Road Ai

- First purchased Vaisala Road Ai in 2020 – During the Covid 19 outbreak
- Initially used for capturing highway safety inspection defects when social distancing rules applied
- Data is collected using the Road Ai app and a standard Samsung mobile phone mounted in the inspector's vehicles
- Used for collecting road condition in the form of Coarse Visual Inspection surveys (CVI) and now PAS2161
- It captures the coordinates of our highway infrastructure assets, essentially this is inventory data. From the video the Ai identifies and captures the condition of our carriageways, the visual condition of traffic signs, road markings, vehicle restraints etc.
- LCC currently has 309+ users across the Department

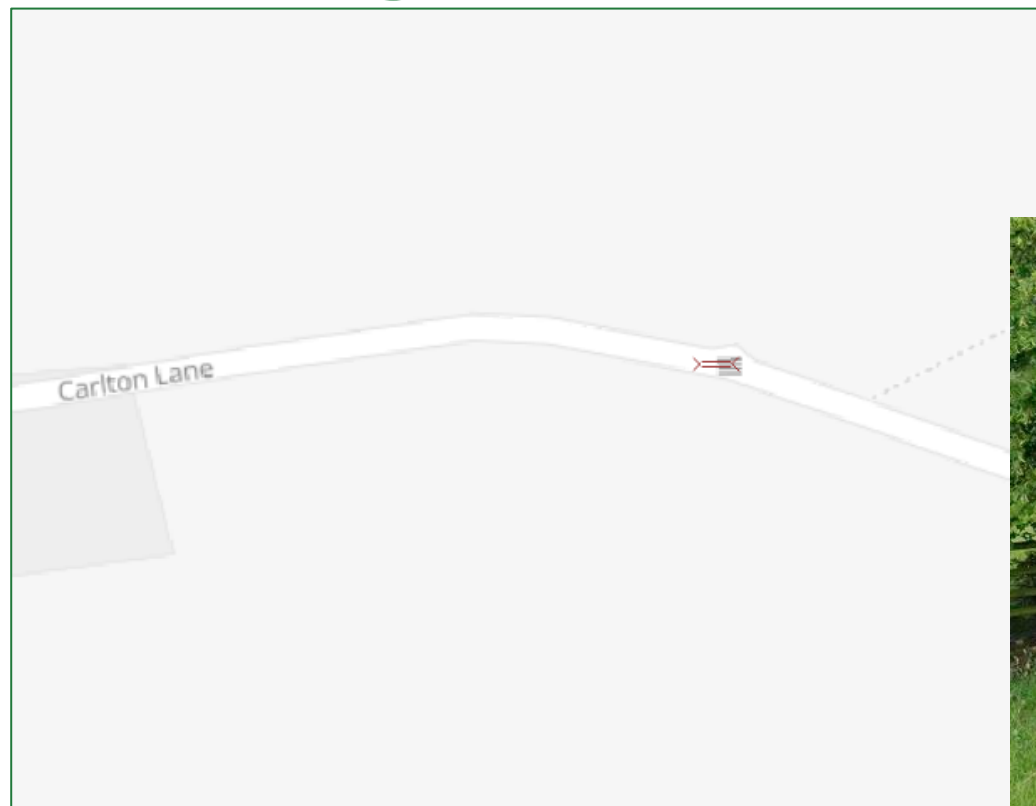
Cycle route identification



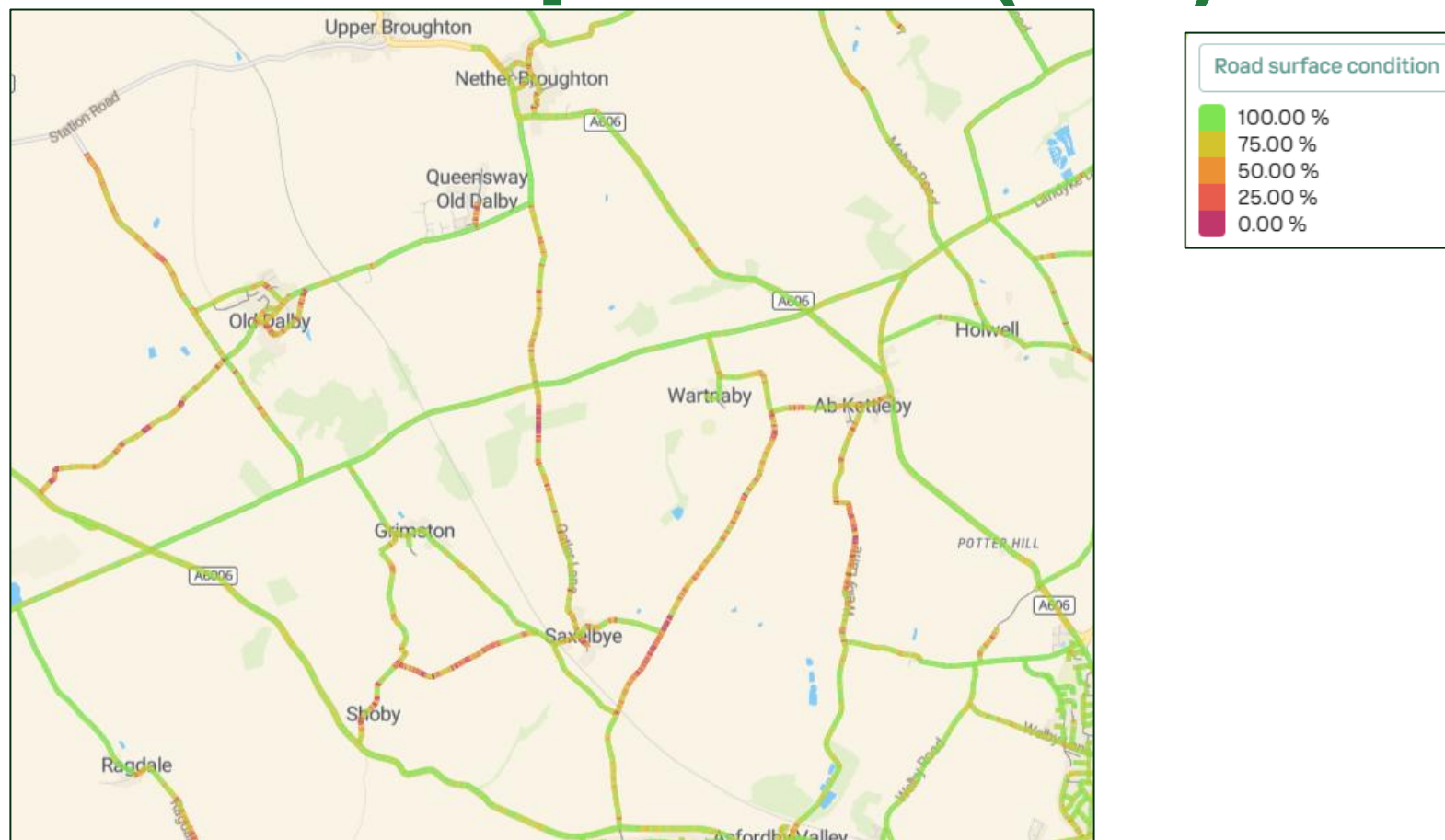
Vehicle Restraint Systems



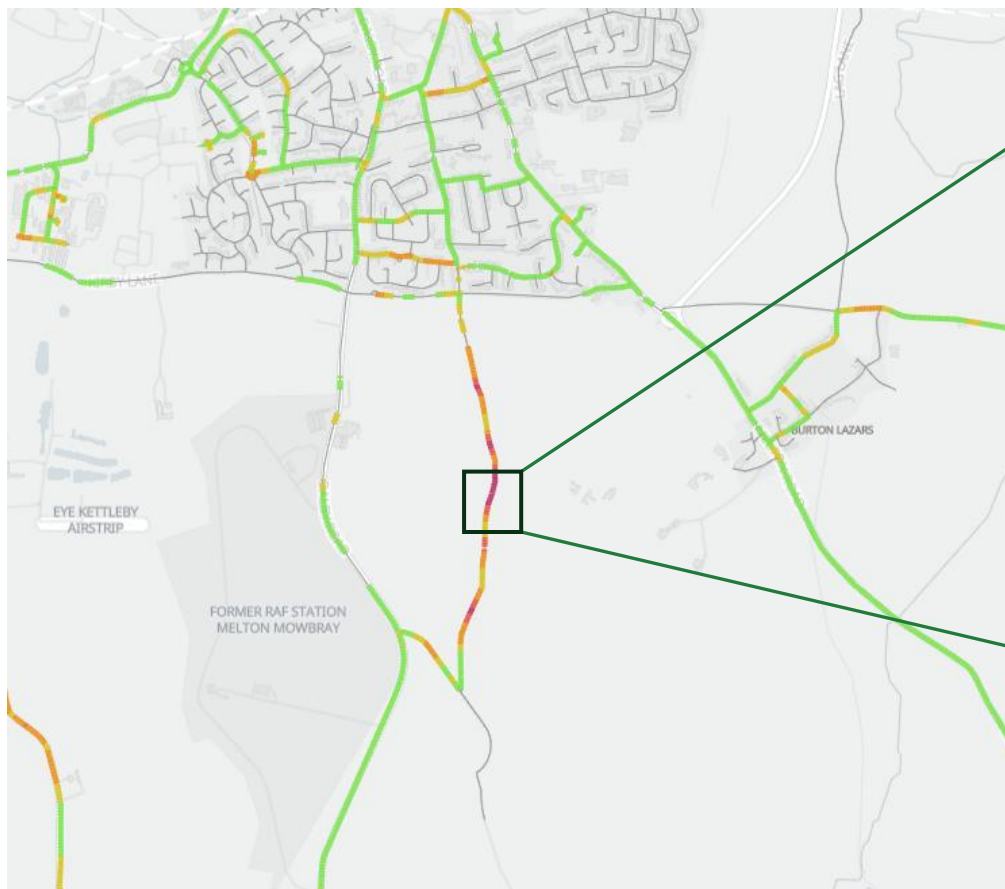
Cattle grids



Course Visual Inspections (CVI)



PAS2161 data

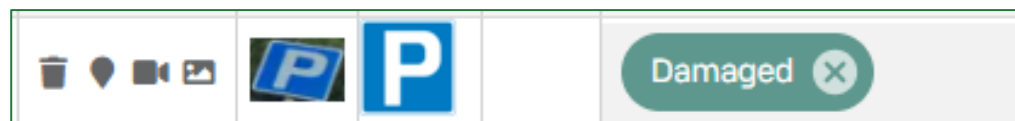
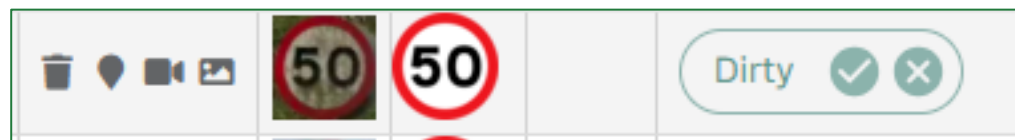


Cat 5



Cat 2

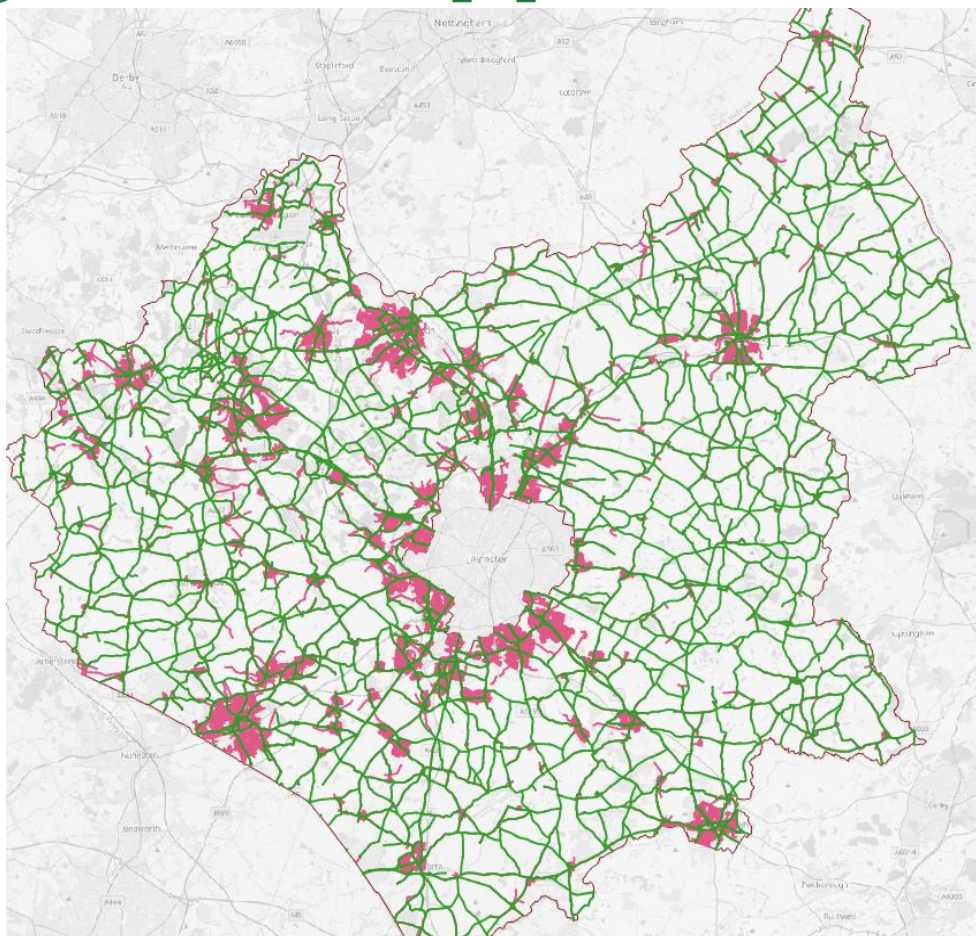
Sign condition rating



Areas for improvement



Improving LCC's approach



Green = Driven Inspections

Pink = Walked Inspections



Thank you

Vaisala contact details:
Richard Keep
richard.keep@vaisala.com