DfT's Local Data Action Plan

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The strategic context

▸ Data and digital have transformed other sectors benefiting customers through greater choice and ease of use.

▸ Opportunity for similar step-change in transport.

▸ SofS wants to "Make the UK one of the best places in the world do to transport digitally".

▸ AI and data Industrial Strategy Grand Challenge.

▸ Future of Mobility Grand Challenge: https://www.gov.uk/government/publications/future-of-mobility-urban-strategy

Data (and digital connectivity) can unlock new opportunities

▸ Underpins a "total transport system".

▸ New products and services, e.g. MaaS.

▸ Policy insights and helping 'nudge' behaviours.

▸ Improving planning, management and optimisation of transport networks.

▸ Predicative analytics.

▸ Data interoperability and integration with other systems.

Lack of data sharing is also impeding progress…

▸ Fears of breaching regulations around security and privacy.

▸ Skills.

▸ Cultural factors.

▸ Weak evidence base, including lack of transport-specific use cases.

▸ Lack of incentives.

▸ Uncertainty around data standards, formats, metadata etc

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The Local Transport Data Discovery - https://www.gov.uk/government/publications/local-transport-data-discovery-findings-and-recommendations

Full Discovery Report*

- Approach
- Insights
- Data assessment
- Recommendations

* This document

Local Authority Personas

- Types of users
- User needs

Insights & User Needs Log

- User needs and insights across transport

High-Level Discovery Summary

- Approach
- Findings
- Recommendations

Local Authority Survey & Data Assessment

- What data
- Value of data
- Open / closed
- Static / real-time

Future Mobility Platform & TRO Deep Dives

- Detailed analysis of TROs
- Exploration of the future of UTMC

Skills - training and guidance

▸ Commissioning national guidance

- discovery, where gaps and guidance needed

- set within emerging Data Strategy

- focus on process of opening and sharing transport data

- provide a business case for data exploitation

- demonstrate good practice

▸ Working with TDI to consider training needs, procurement advice and building business case

▸ TDI Conference – Bristol 19 June

Building evidence base - local authority open data competition

▸ Competition set within Future of Mobility: Urban Strategy"

▸ High quality – 11 schemes, nearly £1m

▸ Parking and real-time traffic information

▸ Collaborative, opening existing datasets, standards

▸ Reporting, business cases, monitoring

➢ GovTech Challenge – potential £2m fund for using data for smarter traffic management(traffic congestion)

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Data and digital connectivity …the connected vehicle pilots

▸ C-ITS Research Pool – 26 funded projects

▸ C-ITS Focus Groups -26

▸ Based on Successful SPATULA Group
  ▸ Group C-ITS Projects into four themes;
  ▸ Smarter Parking
  ▸ Asset Management
  ▸ Connected Information and Technologies
  ▸ Signal Phase and Timing (SPAT)

▸ The Transport Technology Forum (TTF)

TRANSPORT TECHNOLOGY FORUM

The Local Authority Mobility Platform – procuring mobility services, delivering data interoperability…

▸ Open data

▸ Future Mobility Services

▸ Standardised

▸ Sustainable

▸ Data integration/interoperability

▸ Accessible

▸ Compatible

▸ Affordable

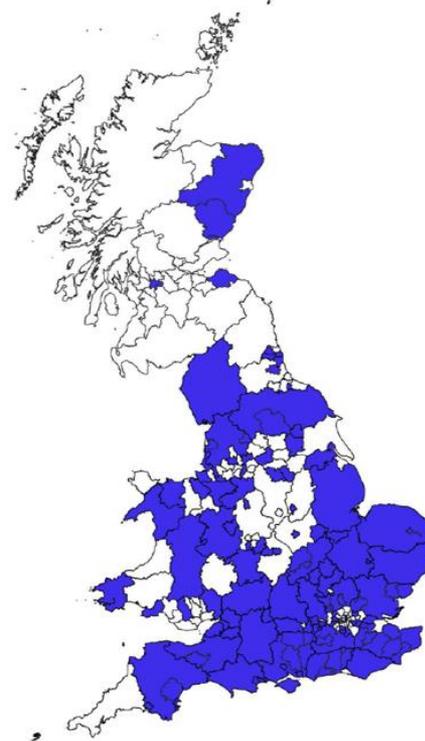# Traffic Regulation Orders - A Discovery

Initial consultation survey	316
Interviews	101
Deep dive workshop	4
Data needs survey	11
Digital maturity survey	13
Temporary order costs survey	26
Permanent order costs survey	42

Lots of work already underway within DfT…

▸ Feasibility of a national metadata catalogue (roads based data)

▸ Connected vehicle data studies

▸ Highways England/local authority data discovery

▸ Publication of parking data exchange standards

▸ BSI Data Standards Scoping Study

▸ Data.gov.uk.

▸ Encouraging/requiring others to share data:

  ▸ Bus Open Data Programme

  ▸ Joint Rail Data Action Plan

  ▸ Street Manager

▸ Future of Mobility Regulatory Review.

Also wider data initiatives…

▸ National Data Strategy

▸ Geospatial Commission and Centre for Digital Built Britain

▸ Centre for Data Ethics and Innovation

▸ AI Council

▸ Digital Institute (Newcastle University)

▸ Alan Turing Institute

▸ Open Data Institute

▸ Data trust pilots

▸ Regional initiatives and data platforms

Moving Britain Ahead

Thank you!

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