

80+ staff manage Croydon's highway

£4.1bn spent managing 187,000 miles of road annually

Fuel, wages and vehicles

December 2013 Croydon adopted Gully SMART



Most of the methods for managing drainage efficiency apply to other assets on the highway

Avoiding pre-packed work enables

- More operational flexibility
- Increased coverage of data
- Less downtime
  - What's left to do?
  - Interacting with maps rather than drop down lists

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# Incorporating geospatial data and risk scoring



## Using centerline data for better planning

- Urban or Rural classification
- Adoption status
- Road Hierarchy
- Bus Routes
- Better utilisation of traffic management
  - Roundabouts
  - Slip roads
  - Number of lanes
  - Speed

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## Accessing and sharing data

Operational managers are in the best position to drive efficiencies but...

They are normally the most overstretched position.

Speed and flexibility of the operational system is key



Route Navigation avoids miscommunication and abortive visits

Incorporate Water Authority data to enable better decisions to be made on site.

Closing of outstanding defects quickly improves public perception

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## Office system demonstration notes – Cloud access to data

- Daisi's team
  - Validating invoices
  - Auditing
  - Responding to the public
  - Managing the budget
- Croydon customer service
  - Raising defects
  - Sharing data with the public
- Kier
  - Managing subcontractor
  - Completing repairs
  - Auditing
  - Controlling the program
- Flowline (Subcontractor)
  - Collecting the data
  - Reporting on condition
  - Managing the program

# Office system demonstration notes Integration and sharing data

- Integrating with others
  - Inbound = CCTV surveying
  - Inbound = Water Authority Drainage
  - Outbound / Inbound = “One system fits all” vs “Industry specific software”
- Sharing data with others
  - Improving public perception though better access to data
  - Sharing partial data only
  - Making use of open source platforms to break downs access to data (Google Earth view)
  - Sharing geospatial data reduces risk for contractors, improves speed, saves money (Iphone View)
  - Communicating in common GIS formats between stakeholders to rectify problems quicker