
Connected Intelligent Transport Systems

Research Project Update



Project Title Better Journeys in Southampton—Bluetooth

Project Overview A citywide demonstration of how a Connected Intelligent Transport System—in this case collecting Bluetooth data on a MESH network on ten corridors —can be dynamically utilised to inform and manage traffic in Southampton. This data will enable Southampton City Council to provide real time travel information and junction control to influence people’s travel choices, respond to incidents and improve air quality.

Objectives

- Using real time data to understand and manage live traffic conditions on Southampton’s highway network
- Provide reliable real-time travel and real-time information to key stakeholders (Port and City Centre businesses) and travelling public to influence travel behaviours
- To proactively and effectively manage traffic to support a Clean Air Zone
- Develop long-term plans for traffic signals and other ITS to deal with planned and unplanned events

Milestones

- Bluetooth network identified
- Roadside equipment in place—October 2017
- Testing and verification—November 2017
- Enhanced VMS installed at 7 locations—November 2017
- Working with Third Parties—2018



Project Title

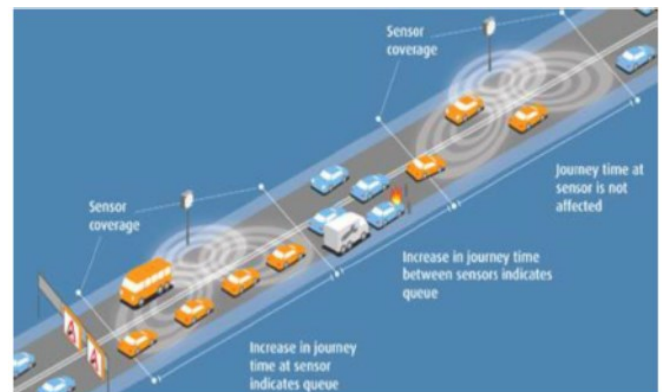
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Progress to date

- Assessment of back office requirements—CloudAmber, Juno and UTC server
 - Supplier identified
 - 25 Junctions assessed for installation of roadside units
 - 34 Bluetooth Units procured and delivered with installation underway to form the basis for a city wide wireless MESH network
 - DataEx2 link and server upgrade procured
 - Enhance VMS at 7 sites including A33 procured
 - Additional Air Quality & Pollution monitoring procured for A33
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Deliverables

- Citywide wireless MESH Network
 - Traffic plans based on real time information for large events (e.g. cruise or football days)
 - Information provided to stakeholders and neighbouring highway authorities
 - Real time traffic and air quality data
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Contact

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Partners



Balfour Beatty
Living Places



Stakeholders

