East of England Transport Information

Project begun 3 years ago at the instigation of the DfT
Aim

More effective use of the road network -- without laying more tarmac

- Reduce congestion
- Reduce transportation costs
Strategy

- Start with something simple and localised – we chose the eastern half of the A14
- Gradually add in more functions and extend the area – first to the whole region, ultimately the whole country
**Proposed Project Board**

<table>
<thead>
<tr>
<th>Cambridgeshire CC</th>
<th>DfT</th>
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<tr>
<td>Essex CC</td>
<td>Highways Agency</td>
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<td>Northamptonshire CC</td>
<td>BT</td>
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<td>Suffolk CC</td>
<td>Isotrak</td>
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</table>
• Collaborate to make funding applications to deploy real systems

• Separate projects, different participants in each, not necessarily from Project Board

• Separate formal agreement for each Project: funding arrangements, intellectual property etc
Initial projects

• Improved incident management
• Journey time prediction
• Traffic flows in towns
• TV Whitespace communication solutions
Journey planner

• Freight operators have tight pick-up/delivery slots, so need estimates of times taken for journeys on future days

• Tools such as Transport Direct work well if things are normal

• Need to incorporate what know will not be normal -- road works, football matches, adverse weather ...
Incident management

There is an urgent need to provide better communication and exchange of information among those involved – the police, HA traffic officers, fire service etc.

In particular to bring in the knowledge of local authorities on the appropriateness and availability on the day of using previously-agreed diversion routes.
Traffic flows in towns

Highways Agency has good information about vehicle flows, but not LTAs

BT has experimented with using optical fibres to detect movement

Nice clean signal for trains

Much more complicated for traffic flows in towns – world-leading expertise at Cambridge University
TV Whitespace

Use gap between TV station frequencies for a “super WiFi”

- Range several km, penetrates buildings
- Multi-company trial being completed in Cambridge

Option to communicate into vehicles on A14 and pick up location information from them to monitor traffic flows
Groundwork

Journey Planning Prototype

Information Spine

Incident Management Prototype

‘Internet of Things’ Feasibility Study
Requests to the RTF

- To note and welcome the progress that has been made in taking forward East of England Transport Information
- To consider recommending its being taken forward as part of the A14 Challenge/study
- To agree the Sol in principle