

Funding for Innovation: Opening Local Authority Transport Data Application Form



Department
for Transport

Please ensure that you have read and understood the criteria and advice in the “Funding for Innovation: Opening Local Authority Transport Data” guidance note. **Bidders should at least ensure that they address all the guidance highlighted in bold in this guidance.**

A separate application form should be completed for each scheme.

Applicant Information

Local authority name(s)*: Milton Keynes Council

Milton Keynes – Dynamic city scale transport data project

**If the bid is a joint proposal, please enter the names of all participating local authorities and specify the lead authority*

Bid Manager Name and position: Steve Hayes, Head of Transport

Name and position of officer with day to day responsibility for delivering the proposed scheme.

Contact telephone number: 01908 252064 **Email** steve.hayes@milton-keynes.gov.uk

Postal address: Civic, 1 Saxon Gate East, Central Milton Keynes, MK9 3EQ

When authorities submit a bid for funding to the Department for Transport, as part of the Government’s commitment to greater openness in the public sector under the Freedom of Information Act 2000 and the Environmental Information Regulations 2004, they must also publish a version excluding any commercially sensitive information on their own website within two working days of submitting the final bid to the Department for Transport. The Department for Transport reserves the right to deem the business case as non-compliant if this is not adhered to.

Please specify the web link where this bid will be published:

www.milton-keynes.gov/transport

SECTION A - Scheme description and funding profile

A1. Scheme name: Milton Keynes – Dynamic city scale data project

A2. Headline description:

Please enter a brief description of the proposed scheme (in no more than 250 words)

The MK Dynamic data project will apply open data principles to an existing network of 400 Machine Learning based Internet of Things (“IoT”) vision traffic sensors in Milton Keynes. We will open existing transport data from the Vivacity network of multi-modal sensors, which has already generated over 1.5bn data points of traffic movements in 2018, and is adding 8 million more every day, in real time to achieve the vision of seamless journeys in Milton Keynes. This project will apply open data principles to a highly valuable dataset to help facilitate efficient and sustainable transport systems.

This project, led by Milton Keynes Council in partnership with Vivacity Labs will apply a strategic approach to opening a rich yet commercially sensitive dataset in order to improve transport operations and highlight potential efficiencies in Milton Keynes, and further afield. This project will focus on improving the literacy, capability and infrastructure of the highly granular dataset whilst encouraging open innovation from this data to help create an intelligent transport system. Practically the learning will support MKC development of a UTMC system currently in the design phase and bring an understanding to how this system can integrate and benefit from a significant data set – initially there will be a focus looking at incident management and dynamic routing.

MKC is also looking to deploy 5G capability in the next 2 years, the business case will look at how this capability can be used / designed to utilise rich extensive data sets

A3. Geographical area:

Please provide a short description of area covered by the bid (in no more than 50 words)

Having run a series of small projects with MK:Smart, Milton Keynes’ smart city project, Vivacity deployed c.430 traffic sensors covering every major junction in the city. These sensors, cover 100km² of the grid road system in the city, making Milton Keynes the UK’s first transport-focused smart city.

OS Grid Reference:

Postcode: **MK9 3EQ**

Please append a map showing the location (and route) of the proposed scheme, existing transport infrastructure and other points of particular interest to the bid e.g. development sites, areas of existing employment, constraints etc.

A5. Equality Analysis

Has any Equality Analysis been undertaken in line with the Equality Duty? **Yes**