

Nottingham City Council Delegated Decision



Nottingham
City Council

Reference Number:

3429

Author:

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Department:

Development and Growth

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Subject:

Real Time Data Trial to support Keep Nottingham Moving and Smart City Vision

Total Value:

£99,000 (Type: Capital)

Decision Being Taken:

- 1) To approve the expenditure of up to £99,000 for the project as allocated in the 18/19 Local Transport Plan medium term financial plan
- 2) To grant dispensation from Contract Procedure Rules 5.1.2, in accordance with Financial Regulation 3.29, to make an award to Vivacity Labs Ltd of up to £46,700 for 20 of their fixed camera sensors and provide the real time journey time, speed and classified traffic count data captured by these devices
- 3) To grant dispensation from Contract Procedure Rules 5.1.1, in accordance with Financial Regulation 3.29, to make an award to Ancoris Ltd of up to £18,000 to provide real time journey time data sourced from Google.

Reasons for the Decision(s)

In line with the Council's SMART Cities Strategy and in keeping with the Council's Keeping Nottingham Moving strategy the council wishes to trial a smart traffic management system covering the Nottingham Enterprise Zone. The system will collect transport data in the western sector of Nottingham covering the A52 and A6005 corridors together with Nottingham University and Nottingham Enterprise Zone. This Data will be used to inform decisions taken within the Urban Traffic Control centre aimed at improving traffic flow and reducing congestion. Information collected by the system will also be used to inform travelers of the best mode choices. The funding will enable a trial of the system which will produce valuable evidence to be used in order to inform future bids and enable an extension of the system city wide.

The system will deliver a number of objectives. Firstly the system aims to improve the performance of the University Boulevard SCOOT (Split Cycle Offset Optimisation Technique) region by minimising delay and optimising air quality within the region and it's adjoining links. Secondly the system will assess the benefits of the provision of real time data to Nottingham City Councils SMART City 'Keep Nottingham Moving' policies with the view to contributing to a business case for a wider scheme. Thirdly the system will provide a display on the Boots site that informs staff of both public transport and car journeys from Boots to key points on the network to encourage optimum mode and route choice. In addition the system will also provide a realtime assessment of air quality A6005 corridor. Finally the system will deliver before and after data for journey times and traffic flow for the evaluation of the Nottingham Enterprise Zone boots campus sustainable transport package.

The system will accord with GDPR and other data protection regulations as the system will not record or save personal data.

This system will improve the efficiency of the existing Urban Traffic Control Centre and will also provide important regarding the potential for income generation by supporting commercial activity to other partners.

Briefing notes documents:

PfH Real Time Briefing Note 291118.docx

Other Options Considered:

A number of other suppliers were considered, however concerns over data quality from these suppliers, the large market share of Google in the travel app market combined with validation carried out by Transport for Greater Manchester has combined to make this supplier the only viable option at this time.

Vivacity Labs provide sensors with unique capabilities in the area of road user classification and machine learning required to meet the objectives of this project. These abilities are subject to a pending patent making them a sole supplier.

Options to use just one of the above suppliers was considered and rejected as the Google data is not able to provide classified count data while covering the whole study area with the Vivacity sensors would be too expensive. Thus the google data is used to compliment the data from the fixed cameras to form a hybrid system. It is believed that such a solution could be appropriate if the decision was taken in the future to specify a scheme covering the City as a whole.

Background Papers:

N/A

Published Works:	N/A
Affected Wards:	Dunkirk and Lenton
Colleague / Councillor Interests:	N/A
Dispensation from Financial Regulations:	Yes
Consultations:	Those not consulted are not directly affected by the decision.
Crime and Disorder Implications:	There are no Crime and Disorder implications associated with this trial
Equality:	EIA not required. Reasons: No Equality impact implications resulting from this trail
Social Value Considerations:	N/A
Decision Type:	Portfolio Holder
Subject to Call In:	Yes
Call In Expiry date:	08/03/2019
Advice Sought:	Legal, Finance, Procurement

Legal Advice:

The proposals in this report raise no significant legal issues and are supported.

The trial endeavours to support the Council's strategy to keep Nottingham moving and deliver the objectives identified within the report. The chosen suppliers offering the hybrid system are understood to offer the best options for data collection at the best quality available and the trial will test the capabilities of these suppliers against the objectives and realtime data assessments.

For the reasons given in the report and the fact the proposed contracts are well below EU procurement thresholds for supplies and services, the recommendation to dispense from Contract Procedure Rule 5.1.1 in accordance with Financial Regulation 3.29 to award contracts to Vivacity Labs Ltd and Ancoris Ltd, are supported.

Should the Council wish to extend real time journey analysis beyond the trial period, further consideraion of its procurement requirements should be undertaken.

Advice provided by Dionne Claire Screamon (Solicitor) on 14/01/2019.

Finance Advice:

See attached comments Advice provided by Susan Tytherleigh (Senior Finance Manager) on 20/12/2018.

Advice documents: Financial comments - Real Time Data trail DDM - James Ashton.docx

Procurement Advice:

The value of this proposal falls below the EU procurement threshold and we can therefore dispense from Contract Procedure Rule 5.1.1 in accordance with Financial Regulation 3.29 to award contracts to Vivacity Labs Ltd and Ancoris Ltd to support the decision. Advice provided by Paul Ritchie (Lead Procurement Officer) on 22/01/2019.

Signatures

Dave Liversidge (Portfolio Holder for Transport and HR)

SIGNED and Dated: 28/02/2019

Chris Henning (Corporate Director for Development and Growth)

SIGNED and Dated: 20/02/2019

Laura Pattman (Strategic Director of Finance) - Dispensation from Financial Regulations

SIGNED and Dated: 26/02/2019

Chief Finance Officer's Comments: