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Awarded contract

## **Annual Visual AI Survey on the London Principal Road Network**

Transport for London

F03: Contract award notice

Notice reference: 2021/S 000-028568

Published: 16 November 2021, 11:50am

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

Transport for London

5 Endeavour Square

London

SE1 8NJ

#### **Contact**

Ben Assor

#### **Email**

[Benassor@tfl.gov.uk](mailto:Benassor@tfl.gov.uk)

#### **Country**

United Kingdom

**NUTS code**

UKI - London

**Internet address(es)**

Main address

<https://tfl.gov.uk>

Buyer's address

<https://tfl.gov.uk>

**I.4) Type of the contracting authority**

Body governed by public law

**I.5) Main activity**

General public services

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

Annual Visual AI Survey on the London Principal Road Network

Reference number

tfl\_scp\_002146

#### **II.1.2) Main CPV code**

- 71353000 - Surface surveying services

#### **II.1.3) Type of contract**

Services

#### **II.1.4) Short description**

This contract is for a service provider to provide an annual Visual Artificial Intelligence-Based Carriageway Condition Survey (Visual AI Survey) across the London Borough Principal Road Network (BPRN) and the provision and storage of the survey data and other deliverables to identify and support asset investment decisions

The service requirement also includes optional services of the driven collection of the condition data by the Service Provider as well as a Visual AI Survey of the Transport for London Road Network (TLRN) and the Borough Non-Principal Road Networks (i.e. B, C and U Roads)

The duration of the contract is 24 months with an option to extend by up to 12 months.

#### **II.1.6) Information about lots**

This contract is divided into lots: No

#### **II.1.7) Total value of the procurement (excluding VAT)**

Value excluding VAT: £365,000

## **II.2) Description**

### **II.2.2) Additional CPV code(s)**

- 71631480 - Road-inspection services

### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

### **II.2.4) Description of the procurement**

The contract has been awarded to a service provider to provide an annual Artificial Intelligence-Based Visual Carriageway Condition survey (Visual AI survey) to identify and support asset investment decisions on London's Borough Principal Road Network (BPRN). The condition data collected in the Visual AI survey will be used to move towards a robust approach for funding allocation between the London Highways Authorities to ensure value-driven scheme selection, vital to achieve the best value for money for TfL, the London Boroughs and LoHEG (London Highways Engineers Group Framework).

The service requirement may also include the driven collection of the condition data by the Service Provider as well as a Visual AI Survey of the Transport for London Road Network (TLRN) and Borough Non-Principal Road Networks (i.e. B, C and U Roads) with the provision and online storage of the survey data, as optional services.

The total length of the BPRN required to be surveyed in Lane 1 is approximately 2550 lane km (total for both directions). As well as surveying roads in both directions, some multi-lane carriageways will be surveyed more than once in the same direction. The contract will therefore provide the option for Visual AI surveys to be undertaken in the additional lanes of the BPRN multi-lane network sections, as well as the TLRN and non-principal Borough-maintained roads.

The system used to survey and assess road surface condition shall be an artificial intelligence-based system capable of optical recognition of defects and collection of condition data (meaning the presence, type and severity of defects) using a smartphone camera from a moving vehicle traveling at normal highway speeds. Other mechanical means of survey may be additional but must not replace the use of optics.

The Service Provider shall ensure the collected condition data is processed using an artificial intelligence-based, automated methodology at all stages from collection to processing.

The Service Provider shall carry out all necessary validation and processing of the Visual AI

Survey data in order to provide the results according to the required formats and conditions as defined in the Specification and accurately fitting against the Authority's Network in Geographical Information System (GIS) format.

The Service Provider shall ensure the Visual AI Survey system is able to assess the defects listed for bituminous and concrete carriageways in 'The UKPMS User Manual, Volume Two, Chapter 8: Detailed Visual Inspection'. These include, but are not limited to:

- Cracking
- Chip loss, fretting and surface deterioration
- Subsidence
- Fatting

### **II.2.5) Award criteria**

Quality criterion - Name: Quality / Weighting: 40

Quality criterion - Name: Financial / Weighting: 60

Price

### **II.2.11) Information about options**

Options: Yes

Description of options

There will be one option to extend by up to 12 months.

### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

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## **Section IV. Procedure**

### **IV.1) Description**

#### **IV.1.1) Type of procedure**

Open procedure

#### **IV.1.3) Information about a framework agreement or a dynamic purchasing system**

The procurement involves the establishment of a framework agreement

#### **IV.1.8) Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: Yes

### **IV.2) Administrative information**

#### **IV.2.1) Previous publication concerning this procedure**

Notice number: [2021/S 000-004684](#)

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## **Section V. Award of contract**

### **Contract No**

tfl\_scp\_002146

### **Title**

Future of London condition surveys

A contract/lot is awarded: Yes

### **V.2) Award of contract**

#### **V.2.1) Date of conclusion of the contract**

27 October 2021

### **V.2.2) Information about tenders**

Number of tenders received: 4

Number of tenders received from SMEs: 3

Number of tenders received from tenderers from other EU Member States: 0

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 4

The contract has been awarded to a group of economic operators: No

### **V.2.3) Name and address of the contractor**

Vaisala Limited

6230 Bishops court Solihull Parkway

Birmingham

B377YB

Country

United Kingdom

NUTS code

- UK - United Kingdom

National registration number

01487125

The contractor is an SME

Yes

### **V.2.4) Information on value of contract/lot (excluding VAT)**

Total value of the contract/lot: £365,000

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## **Section VI. Complementary information**

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

High Court

Royal Courts of Justice, The Strand

London

WC2A 2LL

Country

United Kingdom