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Planning

LTC-22-211 London Trams Automated Pedestrian Crossing Pilot

Transport for London

F04: Periodic indicative notice – utilities

Periodic indicative notice only

Notice identifier: 2023/S 000-010221

Procurement identifier (OCID): ocds-h6vhtk-03bd71

Published 6 April 2023, 3:48pm

Section I: Contracting entity

I.1) Name and addresses

Transport for London

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LONDON

E201JN

Contact

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Email

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Telephone

+44 7818507556

Country

United Kingdom

Region code

UKI - London

Justification for not providing organisation identifier

Not on any register

Internet address(es)

Main address

<https://tfl.gov.uk>

Buyer's address

<https://tfl.gov.uk>

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.6) Main activity

Urban railway, tramway, trolleybus or bus services

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

LTC-22-211 London Trams Automated Pedestrian Crossing Pilot

II.1.2) Main CPV code

- 45000000 - Construction work

II.1.3) Type of contract

Works

II.1.4) Short description

This is a call for Expressions of Interest (EOI) for contractors interested in tendering for the provision of LTC-22-211 London Trams Automated Pedestrian Crossing Pilot. This EOI is being issued through the Find a Tender portal in advance of an Invitation to Tender (ITT). One supplier will be selected following the ITT.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 45234140 - Level crossing construction works

II.2.3) Place of performance

NUTS codes

- UKI - London

II.2.4) Description of the procurement

The scope is to provide an automated pedestrian crossing system at the existing pedestrian crossing between Ampere Way and Waddon Marsh (located at exit to, Universal Motorcycle Training - Croydon - CBT, Ampere way) on the Tram Network. A behavioural study will need to be conducted before and after the system install to monitor customer behaviour. Key stakeholders will then evaluate the performance of the system as well as the behaviour of users and the safety benefit provided.

The contractor is to meet all the requirements listed below:

1. Describe the general purpose and features of the system/ or integrated products with the relevant information
2. Provide a system / or integrated products layout drawings
3. State the application conditions for the product
4. Provide the systems functional blocks with a description of each
5. Provide descriptions of all interfaces and how they will work with the system

6. Provide a description of how the safety warning system will work
7. Provide description of system monitoring, Alarm monitoring, Alerts and status capabilities, Telemetry communication types.
8. Functional description of system, include warnings and alerts (visual and acoustic) for approaching tram vehicles, Faults detection, and fault correction.
9. Describe system maintenance and inspection requirements. And provide list of Operation, Installation, Maintenance and Functional specification documentation that is provided
10. Provide equipment costs and line replaceable items costs
11. Provide Installation Methodology, system verification and applicable standards
12. Provide illustration of any signage and wording provided
13. Provide full safety verification documentation demonstrating the suitability of the system for use on the tram network. This shall include SIL rating and justification of the chosen level (SIL 3 or higher is anticipated). Previous use cases and examples shall also be provided along with relevant safety documentation for those installations.
14. Provide behavioural study (optional)

An off-the shelf product is preferable however we are open to a design proposal.

II.3) Estimated date of publication of contract notice

13 April 2023

Section IV. Procedure

IV.1) Description

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.2.2) Time limit for receipt of expressions of interest

Date

26 April 2023

Local time

12:00pm

IV.2.4) Languages in which tenders or requests to participate may be submitted

English