

## **[ITT2] B3 - Utilities Services**

### **Scenario/ Capability Question**

#### **1. Background**

Transport for London are proposing on changing the configuration and layout at Old Street roundabout and the associated approaches, this will involve installing new cycle lanes and traffic islands so it is important to understand the layout of the utilities in this area during the design stage so any potential impact can be avoided.

#### **Requirements**

In accordance to the PAS 128 standard please demonstrate how you would undertake the survey to ensure that all utilities are captured whilst also ensuring that minimal traffic disruption occurs during the works. Please detail what equipment you would use together with the methodology required on site in order to ensure that all utilities have been captured.

The survey is required to be undertaken using OSGB36 and will be overlaid onto the existing topographical survey which will be supplied prior to the survey taking place.

All utilities should be captured and the asset owners should be identified to allow for this information do be displayed on the final cad model.

Utility depths should also be displayed every 5m along the asset.

#### **Deliverables**

- 3D CAD model, layers, linetypes and text should be produced in accordance to the PAS 128 document.
- CAD & PDF drawings in sheet form at A1
- Survey report describing method and equipment used.

#### **1. Response**

To demonstrate your competence please describe the process and activities you would undertake in support of the above project scenario in no more

than 1500 words contained in a maximum of 4 sides of A4 (pictures, diagrams etc. may be included in the sides of A4 limit):

Your response should consider, but not be limited to, the following:

- Proposed resources of key personnel giving evidence of appropriate skills, knowledge and experience. Please ensure this reflects a realistic project team that you would expect to put in place for a project of this scale.
- Outline safety arrangements that would need to be put in place to allow the survey work to be undertaken.
- Your proposed methodology for capturing the utilities and also your assurance process to ensure that no features have been missed.
- Details of data processing and CAD modelling method
- Please also supply a high level programme detailing the estimated duration for delivery of the works.

*Note:*

*Bidders must not cite examples of previous completed works within their response as this formed the basis of the SSQ evaluation and as such references to completed case studies will not be subject to evaluation.*

*Bidders are encouraged to structure their submission by clearly setting out their response against each of the competencies via specific headings for each competency; the headings will not be included in the word count limitations.*