

(ITT2): Traffic Engineering – D1, D2 and D3

Scenario

Question

1. Background

- 1.1 Traffic Engineering involves the provision of specialist traffic engineering services for the planning, design, construction, operation and maintenance of the road network to support the delivery of the Mayors Transport Strategy (MTS), TfL's Network Management Duty (NMD) and other Mayoral objectives.
- 1.2 This service is provided throughout the whole life cycle of a project from inception to close with an emphasis on continual stakeholder engagement and management.

2. Key Requirements

- 2.1 TfL is seeking specialist support for the design and delivery of TfL traffic engineering programmes to ensure the business needs and priorities are met.
- 2.2 Support is required for specific engineering skills and data/collection analysis abilities to complement/supplement existing internal resources and capabilities and to manage workload fluctuations.
- 2.3 Demonstrated competence and capability across a broad range of engineering activities to support the traffic engineering function in whole or part in respect of case scenarios within their field of expertise.

3. Key Accountabilities

- 3.1 Liaising with the client to understand the requirements of the task/brief and the problems to be solved, solution development including outlining of benefits, costs and risks.
- 3.2 Establishing and maintaining good working relationships with the programme team, discipline engineers, end user representatives, third party suppliers, other Surface Transport directorates and TfL businesses, London Boroughs and all relevant external stakeholders.
- 3.3 The development of financially viable improvements through extensive knowledge and experience of traffic engineering, environmental improvements, public realm, local area traffic modelling and road safety design.
- 3.4 The development and management of a delivery programme for the design and/or delivery of the portfolio of projects assigned.
- 3.5 To be accountable for the preparation and delivery to agreed time, quality and cost parameters of services and to ensure milestone risks and issues are actively managed in accordance with TfL procedures

- 3.6 To provide engineering technical input and advice as requested and as per all relevant standards and guidance.
- 3.7 Co-ordinate all parts of a design stage to deliver a design that meets the overarching objectives of the project, TfL and key stakeholders' requirements and comply with all health, safety and environmental legislation.

4. Scenario Description

4.1 Scenario 1 (D 1) TfL is proposing to introduce a new cycle route between London Bridge and Forest Hill Rail Station. At approximately 10km this route would connect main town centres and transport interchanges, making it easier for people to make local journeys and use local services. The route would use both main roads (TfL) and quieter back streets (Borough). TfL requires support for the development of the proposals from Outcome Definition to the completion of public consultation, inclusive of all design work and data collection/ analysis. Strategic modelling (eg VISSUM) is to be undertaken internally with an expectation that local area modelling will be completed by the service provider as part of the option development.

4.2 Scenario 2 (D 2) TfL is proposing to realign an existing section of the TLRN. The proposed realignment impacts existing highway structures and incorporates existing non highway land. The existing highway lighting and drainage systems will require updating to the new highway layout. A 2D concept design has been approved through consultation with no lighting or drainage completed to date. The supplier is required to complete the lighting and drainage design packages of the proposal as part of detailed design stage.

4.3 Scenario 3 (D3) With reference to the scheme proposed in scenario 2 TfL requires a full understanding of the location of the existing statutory undertakers equipment within the area impacted by the proposals. TfL therefore requires a PAS 128 Survey to be undertaken.

5. Response Content

To demonstrate your competence for any, or all of the lots please describe the process and activities you would undertake in support of the above project scenario in no more than 1500 words for each lot 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:

- An overview of your proposed delivery methodology;
- Identify and describe the processes, tools, methods and practices that will be employed to ensure co-ordination and innovation across the workstream.

- Proposed resources, including staff profiles of key personnel giving evidence of appropriate skills, knowledge and experience
- A proposed project programme;
- Specific lifecycle risks that could affect successful delivery. How are these managed?
- A proposed method of project interface management (interfacing with other project stakeholders)
- An outline fee proposal
- A summary of your experience in delivering similar projects in London and technical market knowledge