



SUPPLEMENTAL QUESTIONS
OUC 17000 Office of Safety and Mobility

Consultant Name: _____ Date: _____

- All Supplemental Questions must be answered for each Numbered Service checked off in **Section 5. Services Requested for Prequalification Consideration** on the Application.
- There is a bookmark navigation panel to the left. To navigate to a set of Supplemental Questions, click on the “plus sign” next to the applicable Service Number then answer each question.
- If a Service Number checked off in Section 5 of the Application is not listed in the Table of Contents below or on navigation panel, there are no Supplemental Questions for that Service Number.

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Supplemental Question(s) for 102.10 Planning Data-Travel Demand Modeling

1. Describe the approach to travel demand modeling in regions that combine small urban and rural areas. How are tools like TransCAD adapted to model both environments effectively?

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2. What methods are used to calibrate and validate travel demand models in regions with sparse data, especially in rural or less-dense areas?

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Supplemental Question(s) for 102.40 Planning Data-Traffic Simulation and Animation Modeling

1. What factors influence the selection of traffic simulation software for a project? How is the appropriate tool chosen based on the specific characteristics and needs of the project, such as different intersection types, traffic flow conditions, or operational complexity?

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2. How are complex traffic flow scenarios, such as congestion, queuing, and system performance, addressed within traffic simulation models?

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Supplemental Question(s) for 102.70 Highway Safety Analysis

1. Has the firm performed Road Safety Audits (RSAs) or Road Safety Assessments? Yes No

If so, describe the methodologies applied, types of facilities evaluated, geographic locations, and provide representative project examples.

Consultant Name: _____

Date: _____

2. Describe the approach used to analyze safety baseline conditions.

Consultant Name: _____ Date: _____

3. What factors are considered in determining safety alternatives for intersections and roadway segments?

Consultant Name: _____ Date: _____

4. Describe the approach used to measure the safety effectiveness of alternatives.

Consultant Name: _____ Date: _____

5. Describe your experience with the Highway Safety Manual Part C Method. Please provide up to three (3) examples.

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6. Describe how traffic analysis software is used to evaluate mobility impacts associated with safety improvements.