



## **SUPPLEMENTAL QUESTIONS**

### **OUC 75600 Traffic Engineering Division**

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 105.00 Intelligent Transportation Systems (ITS)**

1. List representative ITS projects your firm has worked on, including a brief description, a contact person and phone number at the sponsoring agency (that the project was done for), and a contact person and phone number at your Firm. In addition, please provide information on the role your firm played in relation to the projects described (lead role, support role, etc.).

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2. Describe the Firm's experience with ITS project planning, deployment, integration and ITS project management. Provide up to 3 project examples that your firm was the prime consultant within the last ten (10) years. Only include information on work **by your firm**.

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3. Please describe your experience with communications infrastructure serving ITS devices. Include any wireless, wireline, or network communication system experience.

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4. Does your firm have staff with experience in the current Systems Engineering process as outlined by the FHWA. Yes No  
If so, please provide a short description of one or two projects detailing how the systems engineering process was implemented.

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**Supplemental Question(s) for 210.20 Traffic Data Collection, Processing & Analysis**

1. Submit, as a separate attachment, copies of studies you have developed.

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Consultant Name: \_\_\_\_\_

Date: \_\_\_\_\_

2. Detail your ability to collect 1,000 to 2,000 short duration volume and vehicle classification counts per year; include types and quantities of equipment available. Data must be collected between April 15<sup>th</sup> and November 15<sup>th</sup>; specific timeframes are summarized in the attached document, "[Data Collection Guidelines MaineDOT](#)."

Consultant Name: \_\_\_\_\_ Date: \_\_\_\_\_

3. Outline the training provided to your data collection staff; include the years of experience with both data collection in the field and data analysis.



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Date: \_\_\_\_\_

4. List the types of data your staff are familiar with collecting (TMs, queue studies, SDCs, vehicle classification, speed, headway), and provide examples of reports for each type.

Consultant Name: \_\_\_\_\_ Date: \_\_\_\_\_

5. Provide a detailed description of your standard procedures for data collection and safety.

Consultant Name: \_\_\_\_\_

Date: \_\_\_\_\_

6. Describe your equipment testing and calibration.

Consultant Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Supplemental Question(s) for 210.50 Lighting Design**

1. Describe your firm's designs capabilities for interchange lighting, intersection lighting and specific crosswalk lighting. What has your firm done to ensure that a lighting design meets desired lighting standards but is cost effective (number of light poles and fixtures, wattage of fixtures, pole heights, etc.)?

Consultant Name: \_\_\_\_\_ Date: \_\_\_\_\_

2. Describe your firm's experience with photometrics. What design software does your firm use for lighting design? And what have you done with vertical illuminance?

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3. Does your firm have electrical engineers/electricians that review the electrical design of the lighting project and what have they designed to mitigate electrical safety issues such as arc flash?  
If so, what is their design/field experience related to lighting?

Consultant Name: \_\_\_\_\_ Date: \_\_\_\_\_

4. What has your firm done to mitigate light trespass issues on projects and to what end?

Consultant Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Supplemental Question(s) for 210.70 Traffic Engineering Services**

1. Describe your firm's employees experience in Traffic Engineering Services, specifically the items listed under the Traffic Engineering Services Service Number write-up.



Consultant Name: \_\_\_\_\_ Date: \_\_\_\_\_

2. This work will be task order type work on an as needed basis. What protocols does your firm have in place for cost control on individual projects?

Consultant Name: \_\_\_\_\_ Date: \_\_\_\_\_

3. Submit, as a separate attachment, a traffic related policy developed by your firm and who you developed it for.

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Consultant Name: \_\_\_\_\_ Date: \_\_\_\_\_

4. Submit, as a separate attachment, a set of Traffic Control Plans developed or reviewed by your company, including feedback to the owner/contractor.

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5. Submit, as a separate attachment, plans for Traffic Calming devices designed and implemented by your company.

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