



## **SUPPLEMENTAL QUESTIONS**

### **OUC 57000 Multimodal Program**

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.
- The “General/Mandatory” Supplemental Questions must be answered by all firms applying for any and all Multimodal Program Services.
- 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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Consultant Name: \_\_\_\_\_

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

**General/Mandatory Supplemental Questions: The following Supplemental Questions must be answered by all firms applying for any and all Multimodal Program Services.**

1. In regard to MaineDOT's Project Development Process; outline your Firm's approach to the deliverables needed at each milestone as well as your Firm's approach to quality control and assurance of those deliverables.

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

2. How does your firm stay current on all MaineDOT engineering documents and policies?

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

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

**Supplemental Question(s) for 206.10 Major Marine Facilities Design &  
206.20 Minor Marine Facilities Design**

1. Is your firm familiar with applying LRFD design methods as it relates to marine structures? ☐ Yes ☐ No
2. Please provide information regarding what design standards and references your firm uses in designing Major Marine Facilities.

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

3. Please explain how your firm considers climate change as it relates to design of Major Marine Facilities.

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

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

4. Please explain your Firm's understanding of ADA (Americans with Disabilities Act) as it applies to design of marine facilities.

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

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

**Supplemental Question(s) for 207.10 Major Rail Facilities Design;  
207.20 Minor Rail Facilities Design &  
207.30 Rail Bridge Design**

1. MaineDOT has standard specifications and supplemental specifications for construction of Railroad facilities, for example, the MaineDOT uses ballast material that differs from the AREMA specifications.

Is your firm willing to use MaineDOT standard construction specifications and supplemental specifications in designing and providing contract documents for the construction of railroad facilities? ☐ Yes ☐ No

**Supplemental Question(s) for 207.10 Major Rail Facilities Design;  
207.20 Minor Rail Facilities Design &  
207.30 Rail Bridge Design  
  
209.10 Pedestrian/Bicycle Facilities Design &  
209.20 Pedestrian/Bicycle Bridge Design**

1. MaineDOT currently uses "OpenRoads Designer" Microstation format.

Does your Firm have Microstation software? ☐ Yes ☐ No If yes, what version?

If no, can you provide the data in Microstation format? ☐ Yes ☐ No

Please list 3 projects your Firm utilized Microstation software:

Project Description	Project Start & Completion Date	# of plan sheets



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

2. Describe your Firm's experience in producing a 3D computer model of completed design for Construction purposes.

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

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

3. MaineDOT's policy on Practical Design and Design Exceptions is provided at the web address:  
<https://www.maine.gov/mdot/engineering/practices-procedures/>. Please provide 3 examples where your firm utilized Practical Design and/or Design Exceptions.

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

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

**Supplemental Question(s) for 210.10 Traffic signal and Flashing Beacon Design**

1. Does your firm have staff with experience in the current Systems Engineering process as outlined by the FHWA. If so, please provide a short description of one or two projects detailing how the systems engineering process was implemented.

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

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

2. Does your firm have staff that have experience or certifications related to accessing traffic signal controller cabinets in the field, such as IMSA traffic signal certifications? In particular, accessing/modifying traffic signal controller programming, accessing vehicle detection, troubleshooting vehicle detection or preemption issues, and diagnosing flash events. Please elaborate on your firm's experience.

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

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

3. Does your firm have staff with experience or are familiar with using traffic signal management software to access and manage traffic signal controllers and review signal performance data? If so, please provide a short summary of the systems used and common use cases.

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

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

4. Does your firm have staff with experience with ATC cabinet bench testing and field verification procedures as outlined in the MaineDOT Standard Specifications section 718.08? If so, please provide a short description of one or two projects.

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

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

5. Does your firm have staff with experience with adaptive traffic signal control systems. If so, please provide a short description of one or two projects detailing the scope of the project and/or details regarding the deployment of the system and any post construction management of the system.

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

### Supplemental Question(s) for 210.30 Intersection Geometric Improvement Design

1. MaineDOT plans are required to be stamped by a Maine licensed PE. Who, specifically, on your staff is able to complete this task?
2. Is your staff familiar with MaineDOT formats for electronic plan development? Yes No
3. Is your staff trained in the use of Bentley OpenRoads Designer, and capable to use these on all MaineDOT projects? Yes No
4. Is your firm familiar with the MaineDOT Web App FTP, and does it have the ability to deliver documents electronically? Yes No



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

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

5. Describe your firm's experience in producing a 3D computer model of completed design for Construction purposes?

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

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

6. Explain your firm's understanding and approach to Practical Design.

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

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

7. Explain your firm's philosophy in regard to Design Exceptions.

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

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

8. Are you familiar with the Highway Program website? Who is the person responsible for staying current with MaineDOT's Engineering Instructions and Design Guidance, and how does that person stay current?

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

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

9. Does your firm have the current versions of the MaineDOT Best Management Practices for Erosion and Sediment Control and the State of Maine Department of Transportation Standard Specifications and Details?  
☐ Yes ☐ No
10. Is your firm familiar with MaineDOT's Project Development Process?      Yes      No  
Outline your approach to the deliverables needed at each milestone as well as your firm's approach to quality control and assurance of those deliverables.

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

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

**Supplemental Question(s) for 210.40 Overhead Signing Design**

1. Describe your firm's experience designing Tri-chord, box chord, monotube and cantilevered sign supports? What steps has your firm taken to ensure a safe but cost-effective design?

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

2. Describe your firm's experience with foundation designs. Describe any unique foundation designs to mitigate unusual field problems.

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

3. What is your experience in designing overhead signage (messaging, letter size, frequency/number of signs)?



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

4. Does your firm have experience troubleshooting construction issues that arise from the design work you have done? Please elaborate.

**Supplemental Question(s) for 806.00 Landscape Architecture**

1. Submit a PDF document that includes the following items on separate pages:
  - List of Maine Licensed Landscape Architects.
  - List and describe (3) built transportation related projects with GPS locations.
  - Site plan of streetscape or parking lot design.
  - Streetscape, sidewalk, or park plan showing designed pedestrian places.
  - Planting plan showing trees, shrubs, and perennials with a plant key.
  - (5) mixed construction details for site amenities, paving, planting, etc.
  - (1) Colored landscape plan.
  - (2) Colored digital/hand-drawn sketches, elevations, or perspective drawings.

**Supplemental Question(s) for 806.10 Ancillary Landscape Architecture Project Management**

1. Submit a PDF document that includes the following items on separate pages:
  - Describe field(s) of expertise and list applicable experience, certificates, or licenses.
  - List and describe specific project management skills related to field(s) of expertise.
  - List and describe (3) landscape projects and what specialized work was managed or overseen and note the length of time involved in the projects.
  - Provide (5) built project images that demonstrate a high level of expertise.

**Supplemental Question(s) for 806.20 Interpretive Planning and Design**

1. Submit a PDF document that includes the following items on separate pages:
  - List certificates, specialized training, and honors **related to interpretive planning**, if any.
  - List and describe (2) interpretive planning projects completed in the last 3 years and write about the research and public process used on the projects.
  - (2) plans or images showing interpretive signage in the landscape.
  - (5) images of interpretive signs from a mix of projects.
  - (1) image of an interpretive sign or exhibit incorporating a map.