



SUPPLEMENTAL QUESTIONS

18000 – Environmental Office

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 the navigation panel, there are no Supplemental Questions for that Service Number.

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Supplemental Question(s) for 103.40 Transportation Noise Studies

1. Provide an example of a Type I Highway Traffic Noise Analysis where noise abatement was found *not* reasonable and/or feasible due to low traffic volumes, distant receptors intersecting streets, driveways, or lack of access control.

2. Provide an example of a Type I Noise Analysis along a controlled access highway or interchange where noise abatement was found reasonable and feasible. Describe abatement measures utilized to mitigate noise impacts.

3. Provide examples of Transportation Noise Analyses for various modes of non-highway transportation including, but not limited to, transit noise and vibration impact assessment.

Supplemental Question(s) for 502.20 Natural Resource Assessment

RESUME REMINDERS FOR SERVICE # 502.20:

- Include the following:
 - Training and background
 - Wetland delineations (Maine & Regional)
 - Coastal wetland assessment and sampling
 - Stream habitat assessment (including fish/aquatic organism passage)
 - Fisheries experience (sampling, training, certification, electrofishing, identification, etc)
 - Vernal pool survey/delineation
 - Consulting or complying with Section 7 of the Endangered Species Act
 - Essential Fish Habitat (EFH) assessments
 - Bat Acoustic Monitoring experience
 - GPS/mapping natural resource data including firms experience in electronic processing data, particularly GIS and Microstation.

Supplemental Question:

1. Attach the following, as a separate attachment to your submittal email, named accordingly:
 - Site assessment reports (for prior clients)
 - Biological Assessment
 - EFH Assessment
 - Bat acoustic report

Supplemental Question(s) for 502.30 Underwater Sound Pressure Monitoring

RESUME REMINDERS FOR SERVICE # 502.30:

- Include the following:
 - Experience monitoring and measuring underwater sound levels in real time
 - Pertinent training or certifications

Supplemental Question:

1. Attach the following, as a separate attachment to your submittal email, named accordingly:
 - Hydroacoustic monitoring report
 - In-water construction projects in Maine or the Northeast that you monitored sound for

Supplemental Questions Continued on next page

2. List equipment used for your work in this service area.

3. List software used for your work in this service area.

4. Describe your firm's protocol for Underwater sound pressure monitoring.

Supplemental Question(s) for 503.10 Compensatory Wetland Mitigation

1. Submit, as a separate attachment to the submittal email, full project documentation (plans, reports and final regulatory assessment report) for a mitigation project that was managed by one of the individuals named as PM on the resume within the past eight years.
2. Submit, as a separate attachment to the submittal email, full project documentation (plans, reports and final regulatory assessment report) for a mitigation project that was exercised by one of the individuals named as Principal Technical Staff on the resume within the past eight years. It is permissible to name an individual as both a PM and Principal Technical Staff.
3. Identify any specialized software, equipment and hardware used for your work in this service area.

Supplemental Question(s) for 503.20 Fluvial Geomorphology, Natural Channel Design and Aquatic Organisms Passage
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RESUME REMINDERS FOR SERVICE # 503.20:

- Individuals listed as a PM and Principal Technical Staff should list recent projects completed, including a brief description.

Supplemental Questions:

1. Submit, as a separate attachment to the submittal email, full project documentation (report and plans) for a relevant project that was managed by one of the individuals named as PM for your firm within the past three years. It is expected that this individual would be assigned to MaineDOT projects, should work be awarded.
2. Submit, as a separate attachment to the submittal email, full project documentation (report and plans) for a relevant project in which primary technical and design responsibility was exercised by one of the individuals named as Principal Technical Staff within the past three years. It is preferable, but not required, that this example project be different than that submitted as the PM example above. It is expected that this individual would be assigned to MaineDOT projects, should work be awarded.

Supplemental Questions continued on next page

3. Identify any specialized software used for your work in this service area.

4. Identify any specialized equipment and hardware used for your work in this service area.

Supplemental Question(s) for 504.10 Architectural Historian

RESUME REMINDERS FOR SERVICE # 504.10

For each person, include name, position in the firm, proposed responsibilities, and specific, relevant experience. This information should clearly demonstrate whether each:

1. Meets the Secretary of the Interior's Professional Qualification Standards for Architectural History.
The minimum professional qualifications in architectural history are a graduate degree in architectural history, art history, historic preservation, or closely related field, with coursework in American architectural history, or a bachelor's degree in architectural history, art history, historic preservation or closely related field plus one of the following:
 - a. *At least two years of full-time experience in research, writing, or teaching in American architectural history or restoration architecture with an academic institution, historical organization or agency, museum, or other professional institution; or*
 - b. *Substantial contribution through research and publication to the body of scholarly knowledge in the field of American architectural history.*
2. Has knowledge of Maine architecture.
3. Has experience with:
 - Historic American Building Survey/Historic American Engineering Record (HABS/HAER); and
 - Architectural surveys to determine National Register eligibility
4. Understands and has applied:
 - Section 106 of the National Historic Preservation Act of 1966 regulations (36 CFR Part 800);
 - National Register of Historic Places Criteria for Evaluation

Supplemental Question(s) for 504.20 Cultural Resource Management Services [Section 4(f) of the Dept of Trans Act]

RESUME REMINDERS FOR SERVICE # 504.20

For each person, include name, position in the firm, proposed responsibilities, and specific, relevant experience. This information should clearly demonstrate whether each:

1. Has extensive knowledge and hands-on experience working with Section 4(f) of the Department of Transportation Act.
2. Has written and had a Federal Transportation Department (US DOT - FHWA, FTA, FAA) approve the following types of 4(f) documents: De minimis, Programmatic, and Full.
3. Has experience working with and negotiating with a federal transportation agency, a State Historic Preservation Office, and owners of 4(f) properties.
4. Has experience working with a transportation design team and assisting with avoidance, minimization, and mitigation measures for 4(f) properties.
5. Understands and has worked with:
 - Section 106 of the National Historic Preservation Act of 1966 regulations (36 CFR Part 800);
 - The Land and Water Conservation Fund Act;
 - Transportation design plans and right of way plans.

Supplemental Question(s) for 504.50 NEPA Studies, Process, Documentation

RESUME REMINDER: Please provide resumes of current qualified staff.

1. Provide your firms experience with writing NEPA documents and leading the NEPA process. Please provide Specific projects that your firm has worked on.

2. Discuss your experience with the following:
 - a. 40 CFR 1500-1508
 - b. 23 CFR 771
 - c. Regulations that fall under the NEPA umbrella
 - d. Army Corps Highway Methodology
 - e. Administrative Records

3. Submit as a separate attachment to the submittal email:
Provide at least two EAs or EISs that your firm was the prime consultant for writing the NEPA document and conducting the NEPA process.

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Supplemental Question(s) for 504.60 Cultural Resources Management Services (Archaeology)

RESUME REMINDERS FOR SERVICE # 504.60

1. The service requires cultural resource management work conducting archaeological Phase I, Phase II and Phase III surveys for the MaineDOT projects. This work can involve assessment of archaeological sensitivity, historical research, field inspections, shovel test pit sampling, drafting scopes of work, intensive surveys, determination of National Register eligibility, data recovery, and documentation/development of reports.
2. Persons working on MaineDOT projects must meet the Maine Historic Preservation Commission's (MHPC) Chapter 812 rules. The persons must be on the State Historic Preservation Officer's (SHPO) Level 2 approved list.

Persons/Firms are required to follow MHPC rules and documentation processes for MaineDOT projects.

Persons/Firms must provide the amount of experience on transportation-associated archaeology projects in northern New England (Maine, New Hampshire, Vermont) by Level 2 SHPO (need to spell out) Approved List archaeologists in the firm; demonstrate quality of archaeological work (fieldwork, reports, and public education products) in northern New England, particularly Phase II and Phase III/Data Recovery projects; availability to do Phase II and Phase III archaeological fieldwork in Maine; and commitment of the firm for one or more Level II approved archaeologist(s) to spend at least 50% of the field time on project site.

3. Include each person's position in the firm, proposed responsibilities, relevant amount of experience on transportation - associated archaeology projects in northern New England (Maine, New Hampshire, Vermont) by Level 2 State Historic Preservation Officer (SHPO) Approved List archaeologists in the firm. This information should clearly demonstrate quality of archaeology work (fieldwork, reports, and public education products) in northern New England, particularly Phase II and Phase III/data recovery projects.

1. Submit as a separate attachment to the email submittal: Provide at least two examples of archaeology work in New England that involve Phase II and III surveys.
2. Provide availability and response time for Phase II and III surveys.

Supplemental Question(s) for 505.10 Hydrogeology and Contamination Environmental Studies

1. Has your firm performed hydrogeological site characterizations for sites contaminated with petroleum compounds or hazardous waste? ☐ Yes ☐ No

In a paragraph each, please describe two (2) recent projects that exemplify your experience with subsurface contaminant investigations.

2. MaineDOT often performs Site Assessments on transportation corridors that may include many individual parcels. These assessments are performed to limit the liability of the Department, support National Environmental Policy Act investigations, assess construction costs associated with contaminated media, and protect workers from exposure to hazardous materials. In a paragraph each, please describe two (2) recent projects that exemplify your experience with these types of Site Assessments for uncontrolled petroleum or hazardous waste.

3. Has your firm written specifications, collected bids, and supervised the removal of petroleum underground storage tanks under MDEP Regulations, Chapter 691? ☐ Yes ☐ No

List between two and five **recent** representative clients:

4. Has your firm conducted Environmental Site Assessments for uncontrolled petroleum or hazardous waste for MaineDOT or any other state governmental agencies? ☐ Yes ☐ No

5. Has your firm written Spill Prevention, Control and Countermeasures (SPCC) plans? ☐ Yes ☐ No

Please list several **recent** representative clients.

6. Has your firm been prequalified by the Maine Department of Environmental Protection (DEP) to perform remedial investigations and designs at petroleum contaminated sites? ☐ Yes ☐ No
7. Does your firm have expertise in groundwater supply exploration, protection and development? ☐ Yes ☐ No
- In a paragraph each, please describe two (2) **recent** projects that exemplify your experience in groundwater exploration, wellhead protection, and groundwater resource development.

8. Does your firm have experience in the collection, permitting and management of dredge materials? ☐ Yes ☐ No
In a paragraph, please describe two recent representative projects that detail your experience with dredge materials.

Supplemental Question(s) for 506.00 Surface Water Quality, Post Construction Storm Water Management

1. Submit, as a separate attachment to the submittal email, full project documentation for three (3) permanent storm water quantity and quality treatment designs. Emphasize the technical design analysis, procedures, and solutions for treating non-concentrated and concentrated flow from impervious surfaces for increased frequency and duration of channel erosive flows due to runoff from smaller storms, treatment of pollutant, and mitigation of potential temperature impacts. The sample projects should have been managed and/or designed by the same staff who would be assigned to MaineDOT projects, should work be awarded.

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Supplemental Question(s) for 506.10 Stormwater Permit Compliance

1. Describe the Principal Staff's experience assessing transportation construction projects for compliance with Maine Stormwater Law and the Department of Environmental Protection Rule, Chapter 500 - Stormwater Management.

2. Describe the Principal Staff's experience providing assistance to a transportation agency or municipality(ies) in developing and/or administering their Stormwater Management Plan (SWMP).

3. Describe the Principal Staff's experience in surface water quality field sampling analysis following Standard Operating Procedures and Quality Assurance and Protection Plans.

4. Describe the Principal Staff's experience in ArcGIS, ArcMap and compiling and editing GIS datasets.

Supplemental Question(s) for 507.00 Hydraulics & Hydrologic Studies

RESUME REMINDERS FOR SERVICE # 507.00:

- Individuals listed as a PM and Principal Technical Staff should list recent projects completed, including a **brief description. Be sure to identify projects corresponding to the MaineDOT work you are interested in (for example, for consideration for coastal / tidal work, identify corresponding projects).**

Supplemental Questions:

1. Submit, as a separate attachment to the submittal email, full project documentation (report and plans) for a relevant project that was managed by one of the individuals named as PM for your firm within the past three years.
2. Submit, as a separate attachment to the submittal email, full project documentation (report and plans) for a relevant project in which primary technical and design responsibility was exercised by one of the individuals named as Principal Technical Staff within the past three years. It is preferable, but not required, that this example project be different than that submitted as the PM example above.

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3. Identify the H/H software you would use for work with MaineDOT.

Supplemental Question(s) for 508.10 Energy Services

RESUME REMINDER FOR SERVICE #508.10:

- Provide resumes of staff that would work on MaineDOT projects.

Supplemental Questions:

1. Include your experience in the following:
 - Net Energy Billing Programs.
 - Tracking bill and renewable energy credits.
 - The development, issuing, and awarding of renewable and reduced energy RFPs.
 - The development and negotiating of energy related agreements.
 - The research and identification of opportunities for energy efficiencies at MaineDOT facilities.

Note: A separate attachment to the submittal email is acceptable for this question.

2. Provide details of at least three projects related to these areas of interest that were undertaken with members of your current staff.

Note: A separate attachment to the submittal email is acceptable for this question.

Supplemental Question(s) for 509.00 Environmental Resiliency

Supplemental Questions:

1. Provide your firms experience with the following:
 - a. infrastructure asset vulnerability assessments
 - b. review and assessments of infrastructure adaptation projects
 - c. knowledge of the national electric vehicle infrastructure program
 - d. other examples of climate initiative work your firm has conducted

Note: A separate attachment to the submittal email is acceptable for this question.

2. Provide at least 2 examples of environmental resiliency related research and technical assistance projects completed for other clients by current staff.

Note: A separate attachment to the submittal email is acceptable for this question.