

- (c) **Responsiveness to RFQ:** The SOQ does not deviate from the RFQ requirements in any material respect and contains all required information.

If a Proposer passes all pass/fail evaluations, its SOQ will be further evaluated using the factors for technical rating in Section 4.3.2. If a Proposal fails any single pass/fail requirement, the SOQ will be rated as Unacceptable, the technical factors will not be rated and the Proposer will not be included on the Reduced Candidate List. The Administration may allow certain deficiencies in the SOQs relating to the above factors to be corrected through clarifications, as described below, but shall have no obligation to do so.

4.3.2 Technical Evaluation Factors

The technical evaluation factors are:

- **Organization and Key Managers** – (high level) The proposed organization for the PROJECT, including the percent share for Principal Participants with a direct equity interest in the Proposer, with emphasis on lead design firm(s) and specialty subconsultants for quality compliance and environmental compliance; key management positions include:
 - Principal-in-Charge
 - Project Manager
 - Environmental Manager

The following personnel are considered to be Key Managers for the project but are not included in the personnel to be submitted in the SOQ. Information required for these personnel will be described in the RFP and shall be included in the proposal:

- Design Manager
 - Structures Design Manager
 - Construction Manager
 - Project Quality Manager
 - Landscape Architecture Manager
- **Experience of the Firms:** Demonstrated experience relevant to the size, complexity, and composition of the anticipated PROJECT and the experience of Principal Participants, Designer, QC Engineer, and other subcontractors and consultants (including Specialty Subcontractors) with emphasis on design-build, environmental and quality compliance, highway and highway structures, reconstruction using innovative designs, complex structures, methods and materials, and construction in environmentally sensitive areas.

4.3.3 Technical Evaluation Factor Ratings

The ratings assigned to the technical evaluation factors will be compiled to determine an overall quality rating for the SOQ. The ratings of each of the technical evaluation factors and the overall technical rating for the SOQ will be arrived at through a consensus process. Numerical scores will not be assigned.

Quality ratings for each technical evaluation factor and the overall technical rating for the SOQ will be based on the following quality rating criteria:

- (1) To identify Proposers that will effectively manage all aspects of the Contract in a quality, timely, and effective manner with sensitivity to environmental compliance and will integrate the different parts of its organization collectively and with the Administration in a cohesive and seamless manner;
 - (2) To identify the best personnel for key management positions with demonstrated experience and expertise in and record of producing quality work on projects of a similar nature to this PROJECT. The key management positions for the purposes of this RFQ are the Principal-in-Charge, the Design-Builder's Project Manager, and the Environmental Manager.
- (b) Requirements and information to be submitted in Section 3 of the SOQ:
- (1) Organization and communication structure among the Proposer and its Principal Participants, its Designer, its QC Engineer, and its Key Managers.
 - (2) Using Form E-1 (Appendix C), proposed Key Managers Information, provide requested information on Key Managers. If more than one key position is filled by the same person, so indicate. Provide three references for the Project Manager nominee and two references for all other Key Managers. Indicate the name, position, company, or agency and current phone and fax numbers for each reference. References shall be owners or clients for whom the Key Managers have performed project work for in the past ten (10) years and shall not be current or past employers of the Key Managers. Project Key Managers are preferred to have experience on projects of a similar size, type of work, and complexity as this PROJECT and shall meet the following qualifications:
 - (A) **Principal-in-Charge:** Shall be designated at the discretion of the Design-Builder and must have the authority to represent, make decisions for, and oversee the performance of, the Design-Builder. It is preferred that the Principal-in-Charge have demonstrated a minimum of fifteen (15) years experience in construction and management of construction on highway projects that included work of a similar scope, nature, and complexity as included in this Project and have Design-Build experience.

- (B) **Project Manager:** Shall have a minimum of ten (10) years demonstrated experience in construction and management of construction on highway projects with similar size, type of work, and complexity as this PROJECT, including projects with environmental sensitivity, compressed timelines, and community information requirements. The Project Manager can hold only this one Key Manager position. Emphasize Design-Build experience and extensive project management experience;
- (C) **Environmental Manager:** Shall have a minimum of ten (10) years demonstrated experience in environmental permitting, environmental design, and construction management and compliance on large, complex transportation projects in environmentally sensitive areas. The Environmental Manager shall have experience in managing others in environmental activities, with highway engineering drawings and concepts, and working cooperatively and effectively with design engineers and construction staff. Emphasize Design-Build experience, erosion & sediment control, and wetlands;
- (3) Submit resumes outlining Key Manager experience and qualifications, to be included in the Proposal following Form E-1. **Resumes shall be a maximum of two (2) pages per person.** Resumes should highlight the following information:
 - (A) Proposed role on PROJECT and experience in area of responsibility and highlighting the qualification requirements of Section 5.4.2.3(b)(2);
 - (B) History of employment with participant;
 - (C) Experience in the management, design and/or construction of projects, especially any Design-Build projects; and
 - (D) Project role, if any, in projects included in firm experience.
 - (E) Percent time allocated/committed to the PROJECT.

5.4.2.4 Experience of the Firms

(a) Objectives:

- (1) To identify the best design and construction firms available with demonstrated experience, expertise, capacity in, and record of quality work on projects similar in nature to the PROJECT;

- (2) To identify Proposers that have:
 - (A) The experience in successfully managing, designing and constructing projects of the size and complexity of this PROJECT;
 - (B) Superior records of completing contracts on time and within budget;
 - (C) Experience in successfully constructing major highways in sensitive environmental areas and community areas, managing maintenance of traffic, and public information aspects of projects of the size and complexity of this PROJECT;
 - (D) Records of managing contracts to minimize delays, claims, dispute proceedings, litigation, and arbitration;
 - (E) Good safety records; and
 - (F) Technical and management experience and expertise to plan, organize, execute the design and construction, and assure the quality and safety of the PROJECT.

- (c) **Firm Experience:** Requirements and information to be submitted in Section 4 of the SOQ:
 - (1) Provide a separate summary of the background and experience of each Principal Participant with a direct equity interest in the Proposer, the Designer, the environmental compliance firm, and the QC Engineer. **Summaries shall be a maximum of two (2) pages for each firm; the format is at the discretion of the Proposer.**

 - (2) Using Form E-2 (Appendix C), past Project Description, provide **no more than fifteen (15)** past project descriptions. At least two (2) past project descriptions shall be provided for each Principal Participant with a direct equity interest in the Proposer, the Designer, the environmental compliance firm, and the QC Engineer, and shall highlight experience in the last ten (10) years relevant to the PROJECT. Describe those projects having a scope comparable to that anticipated for the PROJECT Attach the Forms E-2 to the respective firm's background and experience summary;

- (3) Using Form E-3 (Appendix C), Subcontractor Information, identify and provide information regarding Subcontractors (including other Specialty Subcontractors and consultants), other than the designated Designer, the environmental compliance firm, and QC Engineer (who have already been included in Forms L-1 and E-2, Appendix C) that the Proposer plans to use, to the extent they are known. Identify what portion of the Work such subcontractor is anticipated to undertake. Include any other known Specialty Subcontractors. A **maximum one (1) page** summary of background experience shall be submitted for each listed subcontractor, including consultants; and
- (4) Proposers are requested to verify that contact information is correct, and are advised that if the contact information provided is not current, the Administration may elect to exclude the experience represented by that project in determining the Proposer's qualifications.

- I) **Tolls:** Additional information regarding the system will be provided in the RFP. The Design-Builder will need to coordinate with the Administration's Toll System Integrator (TSI) contractor on toll systems/components within the project limits.

4.0 KEY ATTRIBUTES OF ICC CONTRACT B

This Section 4.0 summarizes the following critical topics (listed in alphabetical order) relevant to ICC Contract B:

4.01 Aesthetics

The Design-Builder must pay particular attention to the aesthetic elements and landscape architectural design of highway/structure elements and right-of-way properties along the corridor. Contract B includes a variety of existing land use types including residential, institutional, open landscape, parkland, conservation easements, and riparian buffer/stream valleys. In addition, noise walls, bridges, retaining walls and other "highway architecture" elements will require attention to aesthetic detail. The PROJECT will incorporate Context Sensitive Design/Solutions, and will require familiarity with native vegetation of the Mid-Atlantic Region, familiarity with the requirements of the Maryland Reforestation Law and the Maryland Forest Conservation Act, and stormwater management/bioretenion plantings.

4.02 Air Quality

The Design-Builder will be required to implement specific methods and procedures to reduce the emissions resulting from work activities to those who live and/or work in or adjacent to the construction areas. Control methods may include:

- Fuel modifications (Clean Fuel): including synthetic diesel, biodiesel, and ultra low sulfur diesel.
- Engine Design Modifications: including exhaust gas recirculation (EGR), dimethyl ether, and natural gas.
- After Treatment/add-on Pollution Control Devices (Retro-fit): including oxidation catalysts, diesel particulate filters (DPF), lean catalysts, and selective catalytic reduction (SCR).

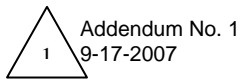
Control of hazardous odors, nuisance odors, and dust will be required. Control methods could include:

FORM E-1

PROPOSED KEY MANAGERS INFORMATION

Name of Proposer: _____

Position	Name	Years of Experience ¹	Education/ Registrations	Name of Employer	Reference Name, Phone & Fax numbers. ²
Principal-in-Charge					1.
					2.
					3.
Project Manager					1.
					2.
Environmental Manager					1.
					2.



¹ Present Firm/Total

² Provide three (3) references for **Principal-in-Charge** and two (2) references for all others.