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November 29, 2022

**Lyndon IM 091-3(53) RFQ**

**ADDENDUM #3**

Bidders:

VTrans has received and is responding to the following questions:

Question 1: Is the Base Technical Concept available for review?

**Answer 1: No, the Base Technical Concept development is still underway and not available at this time. BTC will be provided with the RFP to the short-listed teams. The bank full width dimension is 20'-0" for the new structure. Currently, VTrans is developing the Base Technical Concept for an open cut approach. However, based on the project logistics and preliminary geotechnical investigation VTrans considers trenchless approaches viable and will encourage innovative Alternative Technical Concepts including trenchless construction during the Proposal phase in accordance with the RFP.**

Question 2: Are there test boring logs available for review?

**Answer 2: The test borings are still underway and not available at this time. Test boring logs will be provided with the RFP to the short-listed teams.**

Question 3: We understand that VTrans will be hiring the QAM directly. Please clarify whether the Design-Builder will be developing a project-specific Construction Quality Assurance Plan for the VTrans-hired QAM.

**Answer 3: The Design-Builder will not be required to develop a Construction Quality Assurance Plan for the VTrans hired QAM. The Design-Builder will be required to participate in the VTrans Quality Assurance Program. More information will be provided in the RFP.**

### **VTrans Mission and Vision**

Through excellent customer service, provide for the safe and efficient movement of people and goods.  
A safe, reliable, and multimodal transportation system that grows the economy, is affordable to use and operate, and serves vulnerable populations.



Changes have been made to the documents located on the Bid Opportunity website as noted below:

Interested Parties are advised that the Lyndon IM 091-3(53) Bridges 96-3N & 96-3S RFQ document has been revised.

REVISED: RFQ Section 4.4 Quality Program pages 20 - 22, is revised.

ADDED: None

DELETED: None.

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#### 4.4 Quality Program

The elements described in Section 4.4 have a maximum value of **15 points** allocated.

~~VTrans requires that the~~ **The Design-Builder Team assume the role and responsibility of providing shall provide** all design related Quality Control (QC) and Quality Assurance (QA) and all ~~daily~~ construction related Quality Control.

**Preparation of formal Quality Control and Quality Assurance Plans will be required of the Design-Builder. The Project Quality Control and Quality Assurance Plans shall be split into two distinctive and separate documents: Design Quality Management and Construction Quality Control.**

##### 4.4.1 Design Quality Management

The Bidder must explain how they will provide QC and QA for the design elements of the project inclusive of all pure design and all construction engineering. Include the names of personnel performing QC functions and the names of the Design QA reviewers. Describe the procedures and organization of the design QC and QA program, including how the construction contractor, design engineer, sub-contractors, sub-consultants, and VTrans will interface with each other.

The Bidder shall demonstrate how design QC and QA functions will be performed independently to maintain the integrity of the QC and QA process. To ensure organizational independence, the QA organization shall be distinct and separate from the design and construction production staff. All key personnel performing design QA functions shall be exclusively designated to such and shall not be assigned to perform conflicting duties or production work.

The following subfactors will be evaluated:

- Extent to which the Bidder's approach to design QC and QA provides independence between the designer's organization.
- Extent to which the Bidder's QC and QA approach is consistent with VTrans' own QC and QA practices for the design as well as the ability to demonstrate effective measures for ensuring and maintaining compliance with the contract.
- Effectiveness of the Bidder's approach to Design Quality Management to ensure well structured, easily audited documents that facilitate VTrans' review.
- Approach to incorporating constructability reviews into the design review process.
- Extents to which the Bidder's QC and QA approach demonstrates effective quality management, incorporates formal constructability reviews and inspection performance expectations prior to final plan development, and incorporates designers at appropriate stages of construction.

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**4.4.2 Construction Quality Assurance**

In accordance with 23 CFR 637, this project is subject to a quality assurance program to assure that the materials and workmanship incorporated into the construction project are in conformity with the requirements of the Released for Construction plans and specifications.

**In accordance with FHWA guidance, the Construction Quality Assurance Program consists of the following core elements:**

- **Contractor Quality Control**
- **Agency Acceptance**
- **Independent Assurance**
- **Personnel Qualification**
- **Laboratory Accreditation/Qualification**

The **Construction Quality Assurance** on this project shall be subject to the VTrans Quality Assurance Program (QAP), dated May 1, 2022, inclusive of any subsequent addendums or revisions.

Under the QAP, VTrans will assign a Quality Assurance Manager (QAM) to facilitate the QA functions retained by VTrans.

Under the QAP, the Design-Builder will be responsible for all ~~Construction-related~~ **Contractor** Quality Control functions.

~~Preparation of formal Quality Control and Quality Assurance Plans will be required of the Design-Builder. The Project Quality Control and Quality Assurance Plans shall be split into two distinctive and separate documents: Design Quality Management and Construction Quality Control.~~

The Bidder must explain how their Design-Build Team will provide comprehensive and systematic QC for all construction elements of the project. Include an organizational chart and provide the names of personnel performing QC functions. Describe what the procedure and organization of the construction QC will be, including how the construction contractor, design engineer, sub-contractors, sub-consultants, and VTrans will interface with each other.

The following subfactors will be evaluated:

- Extent to which the Bidder's approach to construction QC demonstrates effective measures to maintain compliance with materials and workmanship requirements of the contract specifications.
- Approach to QC organization and communication between the Design-Build Team, VTrans QAM, and VTrans Independent Assurance.
- Extent to which the Bidder's QC approach is consistent and integrated with VTrans' QAP.
- Effectiveness of the Bidder's approach to construction QC to ensure well structured, easily audited documents that facilitate VTrans' review.

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- The Bidder’s approach to correcting quality issues that arise during construction, including an appropriate communication plan, corrective action procedures, and process documentation.
- Approach to incorporating **construction QC personnel into design** constructability reviews ~~into the construction QC process~~.

**4.5 Project Understanding, Approach and Controls**

The elements described in Section 4.5 have a maximum value of **20 points** allocated.

Bidders shall provide sufficient information to enable VTrans to evaluate the Bidder’s understanding of tasks involved and approach to managing, designing, and constructing the Project and controlling the scheduling of work to meet major milestones and the contractual completion date(s), including any sample work plans which address the possibility of early completion.

Each Bidder shall describe their understanding of the Project; describe their approach to managing the Project, including but not limited to construction administration, coordination, the identification of risk factors and a description of how the Bidder intends to maximize the benefits of the Design-Builder process. Bidders are reminded that it is not the intention of VTrans to receive Project specific design or engineering recommendations as part of the SOQ.

In addition, the Bidder will be evaluated on the effectiveness of procedures for tracking progress, roles, and responsibilities for reporting results internally and externally, and its proposed methods for addressing delays.

The following subfactors will be evaluated:

- Approach to design and construction processes related to the various elements of the project. Demonstration of commitment to frequent, clear, honest, and responsive communication internal to the Bidder’s team.
- Approach to effectively and efficiently coordinating and communicating with VTrans, emergency services, and local municipalities.
- Approach to effective public outreach and engagement.
- Approach to dispute resolution methodology between the Contractor, subcontractor, Designer, and subconsultants.
- Demonstration of schedule controls that will effectively identify, report, and mitigate threats to the baseline project schedule.
- Approach to project scheduling for the design and construction activities with an explanation of how the Bidder and the Key Personnel will use the schedule to deliver the project on or before the completion date. Approach to schedule recovery should be included.