



Richmond Metropolitan Transportation Authority (RMTA) REQUEST FOR PROPOSAL

Powhite Parkway All Electronic Toll Gantry Fabrication, Delivery & Erection

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Final Questions Accepted by RMTA NOON, Local Time
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Richmond Metropolitan
Transportation Authority
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1 Executive Summary/Introduction

1.1 Overview

The Richmond Metropolitan Transportation Authority (RMTA or the “AUTHORITY”) in Richmond, Virginia, is soliciting proposals for a qualified Gantry Manufacturer (GM or Proposer) to produce shop drawings, fabricate, deliver and erect a 180-foot clear span galvanized steel toll gantry based on the Gantry Design Package (GDP) included in *Appendix A: Design Plans* for this RFP. The purpose of the gantry is to serve as the location for overhead toll equipment as part of the conversion of the Powhite Parkway to All-Electronic Toll (AET) Collection.

The selected Proposer shall be expected to commit the personnel and resources required to respond promptly and fully to the responsibilities required and defined in the RFP.

This RFP and the resulting Contract shall be consistent with and governed by the Virginia Public Procurement Act.



NOTE: *This rendering is for example only. It is not meant to be considered as the basis for fabrication. The signage and aesthetic “cladding” around the gantry supporting columns (also shown here as an example) is also not included as part of the structural design or as part of the gantry fabrication.*

1.2 RMTA Background

The mission of the Richmond Metropolitan Transportation Authority (RMTA) is to build and operate a variety of public roadways and offer related services within the Richmond metropolitan area. RMTA focuses on providing safe, convenient, and efficient transportation facilities while maintaining the lowest feasible costs for users. RMTA is dedicated to serving its customers, employees, and bondholders by ensuring operational excellence, promoting a positive work environment, and maintaining financial prudence.

The General Assembly of Virginia created the AUTHORITY in 1966 as a political subdivision of the Commonwealth of Virginia. At the current time, it owns and/or operates the Downtown and Powhite Expressway Systems (toll) and Boulevard Bridge (toll). The original installation of the Expressway Systems occurred in the 1966 – 1976 timeframe, although the toll roads have been the subject of numerous upgrades and expansions since such date. The Boulevard Bridge was first operational in the 1920s and acquired by RMTA in the late 1960s.

RMTA is governed by a 16-member Board of Directors – five members appointed by the City of Richmond, five members by Chesterfield County, five members by Henrico County and one member by the Commonwealth Transportation Board. PROPOSERS are encouraged to visit RMTA’s website, www.rmtaonline.org, to get an in-depth understanding of the organization.

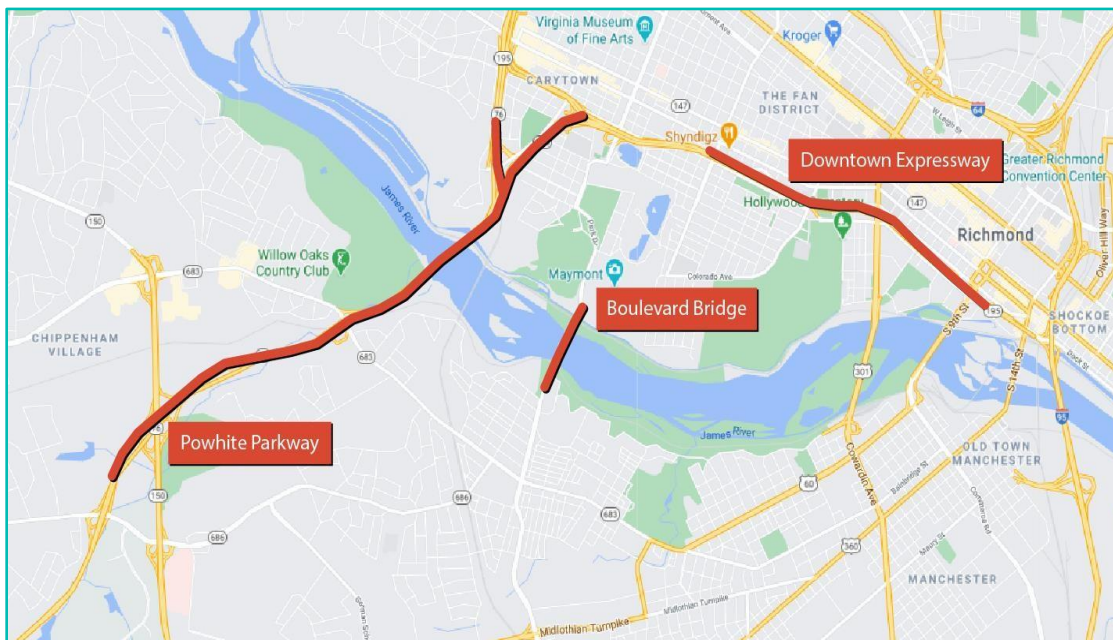
1.3 RMTA Toll Roads

RMTA has three toll facilities. The following brief summaries will provide you background information regarding each road and where the tolls originate for the services required in the RFP.

1.3.1 Powhite Parkway

The Powhite Parkway opened to traffic on January 24, 1973, and continues to be maintained by the AUTHORITY. It was the first section of the RMTA Expressway System to be completed. In September 1975, the Powhite Parkway Toll Plaza was widened to accommodate increased traffic. It was widened again in November 1988. At the same time, the Powhite Bridge was widened, and a new northbound on-ramp was built at the Forest Hill interchange. Also in November 1988, VDOT opened the Powhite Extension, which connects RMTA's Powhite Parkway to western Chesterfield County. In 1992, the Powhite Parkway was widened from three to four lanes northbound between Chippenham Parkway and the toll plaza. The number of lanes north of the bridge to Cary Street was increased from four to six.

The Powhite Parkway Toll Plaza has 20 lanes, 14 physical lanes, and six Open Road Tolling Lanes (three in each direction). The Forest Hill interchange has eight lanes for on and off-ramps to Powhite Parkway. The Douglasdale ramps north of the river have two lanes connected to the parkway.



In addition to the Powhite Parkway, RMTA operates other toll facilities in the Richmond area, including the Downtown Expressway and the Boulevard Bridge.

2 Purpose and Scope

This RFP represents a critical step in RMTA’s strategic initiative to modernize its tolling infrastructure, improve operational efficiency, and enhance the overall experience for users of RMTA’s toll facilities. The selected Proposer will play a crucial role in transforming RMTA’s tolling operations, helping to establish a state-of-the-art, customer-centric, and financially optimized AET system.

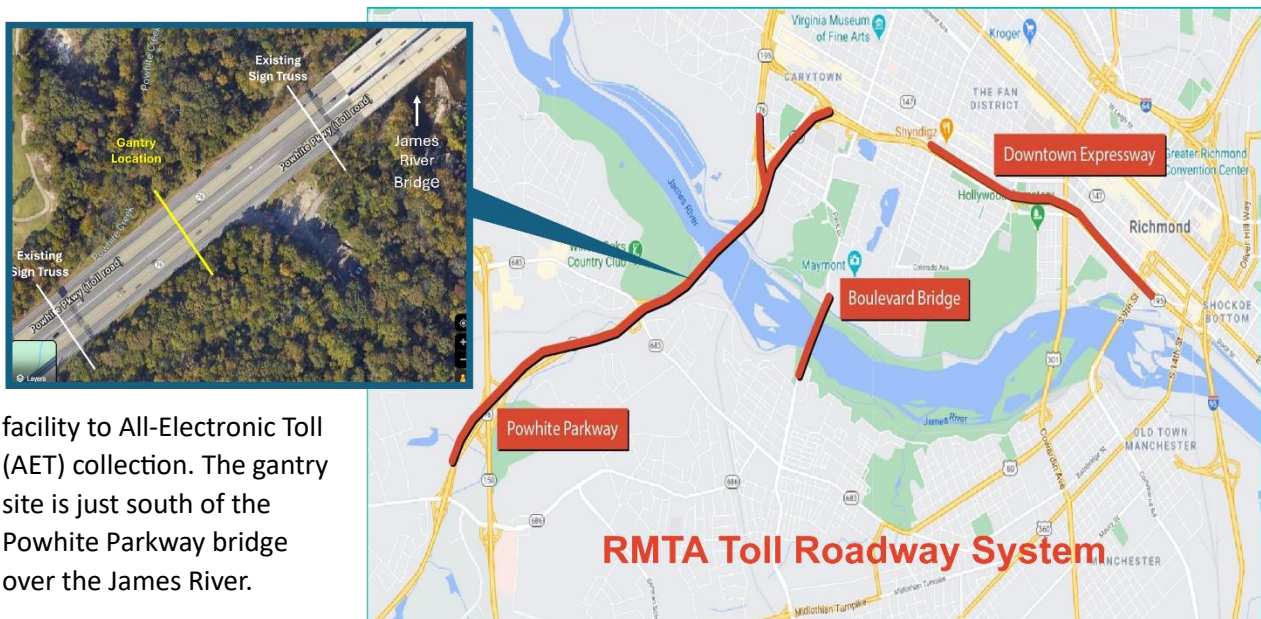
The RMTA goal is to have this toll gantry fabricated, delivered to the Powhite Parkway site, erected, inspected and to be ready for the installation of overhead electronic toll equipment **within 25 weeks from the date of the execution of the Contract** by RMTA and the selected PROPOSER. As part of the response to this RFP, Proposers are required to describe their capabilities and approaches to meet this schedule when creating their proposals.

2.1 Project Scope of Work

The Scope for the Gantry Fabrication, Delivery to the RMTA Gantry Location and Erection of the Gantry to be ready for installation for the overhead toll equipment includes:

2.1.1 Powhite Parkway Gantry Location

The work to be performed is located on the Powhite Parkway as part of the conversion of this RMTA Toll



facility to All-Electronic Toll (AET) collection. The gantry site is just south of the Powhite Parkway bridge over the James River.

2.1.2 General Requirements

The requirements described in this RFP include the technical requirements for the fabrication, testing, delivery, and erection/installation of a galvanized steel AET Toll Collection Gantry (as shown in *Appendix A, Design Plan*). The GM must adhere to these technical specifications and design requirements.

The Gantry shall utilize proven and reliable materials and fabrication techniques capable of meeting RMTA’s operational, maintenance, and performance requirements.

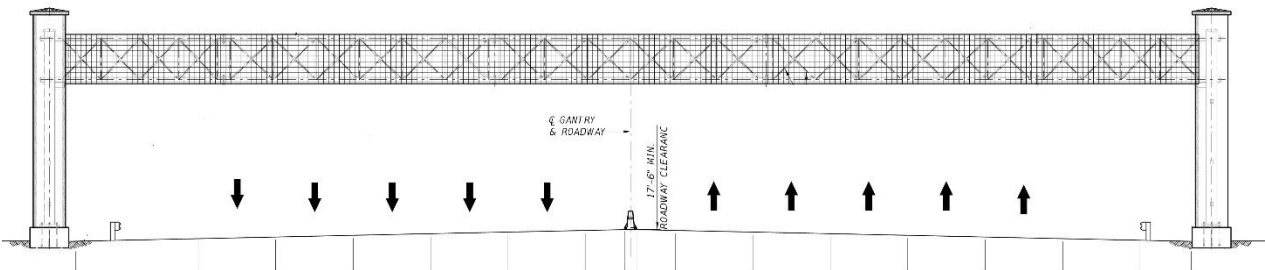
The GM shall furnish, mobilize, and secure all required facilities, equipment, and resources necessary for initiating, fulfilling, and concluding the Proposed Contract and may include such portions of the following as are required:

- Setting up at the various worksites, storage areas, and other facilities in compliance with RMTA requirements and any other state or local law, rules, regulations, or ordinances and the subsequent demobilization and removal from the site of said equipment, appurtenances, and the like upon completion of the work.
- Obtaining necessary permits and licenses and payment of fees as required by local, state, and federal law.
- Coordinating design, fabrication, delivery, erection & installation, and RMTA required testing by RMTA or RMTA-Designated Representatives during the various stages of the Project.
- Lighting for all work areas.
- Sampling, testing, and or certifying of materials.
- All equipment, supplies, and materials furnished under the Proposed Contract shall be new and field-proven. All equipment shall meet applicable standards. The GM shall not furnish any item to RMTA that was previously used or was part of a previously purchased system, or any items that have been salvaged and rebuilt, without prior RMTA approval.

2.1.3 Gantry Fabrication

The GM shall provide engineering drawings (shop drawings) that confirm the gantry design and support fabrication. After RMTA approval of the GM's shop drawings and plans to deliver and erect the gantry, to include the means and methods of gantry erection, assembly and installation, the GM shall then fabricate, transport and erect a watertight galvanized steel gantry structure to which the RMTA Toll System Integrator (TSI) will attach their tolling equipment. The GM shall ensure the gantry is fabricated in accordance with the 2015 AASHTO Load and Resistance Factor Design (LRFD), Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1st Edition, using a minimum wind speed of 90 miles per hour.

The gantry may be fabricated and transported in sections and the GM shall erect the gantry on the RMTA-indicated site and install (and/or assemble) all gantry components as per the approved design and shop drawings.



The GM shall fabricate the gantry to span the entire 180-foot length and roadway clearances as indicated on the Final Design Plans included in *Appendix A: Design Plans*.

As shown in the Final Design Drawings in *Appendix A: Design Plans*, the GM shall construct integrated equipment-mounting plates to be used for the installation of the toll collection equipment. The gantry structure and equipment mounting plates shall be constructed to support the equipment weights per

lane as shown in *Appendix A: Design Plans* to eliminate any detrimental vibration from wind forces or drafts from vehicles passing under the gantry. Detrimental vibration is defined as the amount of vibration that would prevent the structure from meeting the fatigue design and serviceability requirements as defined in the “2015 AASHTO LRFD Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 1st Edition.”

The GM shall construct the gantry to accommodate a minimum 18" cable bend radius on top and bottom at entry and exit points at the gantry uprights and at the gantry cross members.

GM shall provide adequate safeguards against theft, damage, or loss of RMTA gantry components in the GM's possession. GM shall be responsible for maintaining insurance against loss or damage to all gantry components due to mishandling, improper storage, theft, etc.

The Warranty Phase shall commence upon the inspection and acceptance of the erected gantry by RMTA. The Warranty Period shall be three (3) years from the date of RMTA acceptance of the fully erected gantry.

2.1.4 Shop Drawings

Shop drawings, also known as fabrication drawings, are detailed drawings that the GM will create and submit to RMTA after award of the Proposed Contract to ensure that all components produced by the GM are built to industry standards and applicable requirements and are structurally sound and meet current safety and project design and quality standards.

The GM's shop drawings will illustrate how the gantry will meet the Project's design intent, provide essential diagrams, the specifications, measurements, and instructions needed to ensure that each design component fits as intended in the design as a whole and identify how the gantry is to be assembled and erected at the construction site.

While they are based on the RMTA Final Design Construction Documents, the GM's shop drawings should contain more information including, but not limited to the following:

- Detailing and dimensions including precise measurements and specifications (size and number) of each component and how they will be connected.
- Material and finish information about the types of materials to use and the desired finishes for each component
- Assembly instructions often presented as step-by-step instructions for assembling parts and components, including details on connections and fastenings
- Installation and erection information that identify any dimensions that require on-site verification
- Comparisons to the construction documents to enable approval by RMTA and the structural design engineer as well as any notes on changes from the construction documents to enable approval by RMTA.
- Notes on changes from the construction documents to enable approval by the architect or engineer.

All shop drawings and related design documentation shall be submitted to RMTA for review, comment, and approval. The shop drawings must be prepared, submitted and approved before the actual start of fabrication and before the first application for payment.

2.1.5 Gantry Delivery, Erection & Installation Process

During the gantry fabrication there will be a series of meetings between the GM, RMTA, AtkinsRéalis (General Consultant) and other RMTA consultants and providers to finalize the gantry delivery and installation requirements, structure test plans & testing, schedules, roles, contingency plans and all other details required for the successful manufacture, delivery and erection of the gantry. The GM shall attend RMTA and consultant coordination/design meetings (virtually) and provide the necessary support as requested.

The GM will make RMTA aware of any issues requiring direction to the consultant and/or the on-site contractor(s) and RMTA will ensure the direction is communicated if appropriate.

2.1.5.1 RMTA Supplied Lay-Down Area

RMTA has provided a construction laydown area immediately next to the Powhite Parkway and within less than 500 feet of the identified location for the gantry erection and installation as shown on the enclosed aerial photograph.



The GM will be permitted to inspect the area prior to submitting the Proposal and again prior to the delivery of the gantry (at no cost to RMTA) and, if selected, make reasonable modifications to facilitate the erection. Such modifications will be reviewed and approved by RMTA and/or its designated representatives. The GM will also be responsible for securing their equipment within the storage area and are solely responsible for any lost, stolen and or damage assets of the GM and the their sole responsibility to replace/repair such assets.

2.1.5.2 Gantry Delivery, Erection & Installation Plan

Within fourteen (14) days of execution of the Gantry Fabrication & Erection Contract, the GM shall prepare and submit for RMTA review and approval a Gantry Delivery Erection & Installation Plan, Schedule and Checklist for review and approval. The Plan shall include the following, at a minimum:

- A checklist that includes a description of the individual components of the gantry and truss elements that are to be assembled on site.
- A description of the responsibilities of the GM Delivery and Erection Manager related to the transport and installation of the gantry components.
- A high-level description of the means and methods for delivery, assembly, erection and testing of all elements of the on-site installation.
- A project schedule as described in Section 2.2.2.

2.1.5.3 Compliance with Installation & Design Standards

The GM shall adhere to all installation standards, applicable laws, ordinances, and codes as specified in applicable standards and VDOT Standards and Details. The GM shall be responsible for all costs associated with permits, plan reviews and inspections, and any required documentation related to proper installation standards, laws, ordinances, or codes.

2.1.5.4 Cooperation with Others

The GM shall use best efforts to minimize any disruption to RMTA normal business operations (including a.m. and p.m. peak hours as applicable) when the GM is performing its erection and installation activities. The GM shall work closely with RMTA and its consultants in coordinating any activity which may affect other contractors' or RMTA's customers and operations.

The GM shall cooperate with other parties, including Proposers, governmental agencies, and other RMTA providers, as required, to ensure that design and implementation functions are handled effectively, efficiently, and according to all laws, rules, regulations, and specifications of any applicable Proposers, governmental agencies, and other RMTA consultants and providers.

2.1.5.5 Maintenance of Traffic

RMTA will provide all MOT for the gantry erection. For the activities that require lane closures, the GM shall communicate all delivery and lane closure requests at least four (4) weeks in advance of the anticipated closure to RMTA for approval. GM shall anticipate that a minimum of two (2) lanes in each direction will be open at all times during erection unless RMTA permits a different closure of the Powhite Parkway, to be approved by RMTA in writing.

2.2 Project Management

The following sections provide information about Project management. These sections shall address how this methodology will be implemented within the GM's firm and all subcontractors, suppliers and/or other firms involved in this Project.

2.2.1 Point-of-Contact

The GM shall appoint one Manager who will function as the RMTA point of contact to oversee all aspects and phases of the gantry fabrication, delivery and erection. This management point of contact may be different for each of the three phases of the project.

2.2.2 Project Schedule

Within 14 days of execution of the Gantry Fabrication & Erection Contract, the GM shall prepare and submit a detailed Project Schedule based on a Work Breakdown Structure (WBS) that includes all tasks, activities and milestones related to the development of shop drawings, fabrication, transport/delivery, and erection/installation of the AET gantry described within this RFP.

The Project Schedule shall contain all the detailed discrete work packages and planning packages (or lower-level tasks/activities) with necessary dependencies to support Project events. The Project Schedule shall be maintained in Microsoft Project format (Microsoft Office MPP or newer) and shall identify all milestones and events starting with the NTP to the end of the gantry erection/installation, culminating with Final RMTA Acceptance.

NOTE: The GM’s proposal shall also include a preliminary high-level event-driven Project Schedule.

All subsequent schedule updates shall be made to the revised baseline for the duration of the Project. Any changes to the Project Schedule at any time are contingent upon RMTA approval.

The GM shall update and make the Project schedule available to RMTA monthly and submit the updated version as part of the monthly progress report.

The Project Schedule shall include activity start dates and durations, milestones dates, predecessor and successor dependencies, and a critical path representing activities without any slack. **NOTE:** The critical activities within the schedule that could impact the production and delivery of the gantry shall also be evaluated within a *risk matrix* to identify any potential risks and response strategies.

The GM shall communicate in writing with RMTA anticipated missed or late milestones and when deliverables are late or milestones are missed, RMTA may issue a Notice to Cure to the GM for Breach of Contract. The Notice to Cure may include a requirement for the GM to perform an analysis to ascertain adequate resource levels are being maintained. The GM shall provide the analysis results and any other findings, including a proposed cure, within ten (10) business days of the Notice to Cure. Further, the GM shall implement the proposed cure within ten (10) business days of RMTA Acceptance and approval.

At least monthly, the Project Schedule shall be submitted to RMTA in MS Project format (Microsoft Office MPP or newer) with a PDF file and associated narrative with the following updates:

- Completion status of all tasks, activities, and milestones.
- Identification of tasks, activities, or milestones that are behind schedule. Delays for critical path tasks and activities for which a recovery schedule cannot prevent a Project completion delay shall be included in the risk matrix with a mitigation strategy.

Project Schedule update files shall be version controlled.

2.2.3 Project Meetings

The following sections provide information about the different meetings associated with the Project.

2.2.3.1 Notice-to-Proceed (NTP) Kickoff Meeting

RMTA will schedule a post-award meeting to begin the Project. Identified as an NTP Kickoff Meeting, RMTA will distribute a meeting agenda of the subjects to be addressed. At RMTA’s discretion, the meeting may be held virtually on MicroSoft Teams and, if so, the agenda will be attached to the meeting invite.

At this meeting, RMTA will:

- Discuss procedures for meetings, Project correspondence, and points of contact for administrative and technical communications.
- Discuss procedures for Submittals.
- Discuss procedures for processing change notices and change orders.
- Discuss monthly progress reporting and invoicing/payment process.
- Discuss progress and final payments.

2.2.3.2 *Project Status Meetings*

Monthly Project Status meetings will follow a defined agenda. The GM shall submit a Monthly Progress Report and a meeting agenda to RMTA at least 48 hours prior to the scheduled meeting. The Monthly Progress Meeting will be held and recorded virtually on Microsoft Teams or Zoom.

The progress report and agenda shall include but not be limited to the following:

- Updated Project Schedule showing progress since the previous meeting and including any proposed changes from the latest approved Project Schedule.
- Completed work description and the percentage complete for each task in progress.
- Identification of all critical path tasks
- Risk/Issue matrix changes, including associated recommended mitigation/resolution strategies or contingency plans intended to avoid potential delays.
- Report on testing activities, including status and overview of defect tracking results (when applicable)
- Description of any pending and proposed change orders, or any change order work is in progress and the associated work status.
- Accomplishments during the reporting period
- Monthly look ahead work plan for activities to be accomplished on the Project.
- Updated action items list that provides the status of the open action items, identifying and explaining action items that can be closed, and documenting new action items resulting from the discussion of outstanding issues and concerns.
- Copy of the approved final minutes of the previous meeting.

The GM shall develop and maintain an action item list that will indicate resolved items, the person assigned to follow-up for resolution, and the anticipated date for resolution. Said action item list shall include a running list of action items that have been closed, and any updates thereof shall be subject to RMTA approval.

Inquiries, requests for information, and requests for solutions to problems presented during such meetings shall be answered, when possible, during the meeting. Answers provided orally at the meetings shall be recorded in the minutes.

2.2.4 **Working Meetings**

The GM shall schedule and conduct regularly scheduled weekly virtual working meetings held and recorded on Microsoft Teams or Zoom to review any strategic, tactical, or operational issues that may exist on the project. At the sole discretion of RMTA, the frequency of meetings may be adjusted.

The purpose of the working meeting may include but is not limited to:

- Track the status of any critical work activities.
- Resolve any issues that require action between the monthly progress meetings.
- Review GM's invoices for services provided.
- Resolve disputes.

The GM shall produce and deliver to RMTA at least 48 hours prior to each working meeting:

- A meeting agenda identifying potential problems, issues, and concerns to be resolved at the working meeting.
- Any documentation regarding or related to such problems, issues, and concerns.

Working meetings shall include the participation of those RMTA employees and consultants as RMTA may identify from time to time.

2.2.5 Shop Drawing Review

The shop drawing review is part of the quality management for this project. This review will ensure that the fabricated components manufactured off-site meet the design intent and fabrication standards and will support delivery to the RMTA site. It will also ensure that the GM has understood the project requirements.

Below is the step-by-step procedure for reviewing the shop drawings:

1. **Submittal Schedule:** At the NTP Kickoff Meeting, the GM will submit a schedule for providing shop drawings for review (to include enough time for review and re-submission). The intent is to avoid numerous submittals that burden the Project schedule or the RMTA and its consultants and providers. The schedule submittal and review process can also help the RMTA team identify shop drawings that are not required for review.

2. **Design Delegation:** As part of the Shop Drawing schedule review, RMTA will specify which drawings require a “sign & seal” of the GM-delegated design engineer.

3. **GM’s Internal Review:** The GM should review and approve all shop drawings before submitting them to the RMTA professional of record to make sure that they have determined all field measurements, field construction criteria, materials, and similar data. Upon receipt of shop drawings, the RMTA registered professional of record will first look for the GM’s engineering review stamp to ensure that it has been thoroughly reviewed and approved. If the shop drawing lacks the GM’s internal review stamp, it will be immediately returned to the GM.

4. **Reviewing for Design:** RMTA designated engineers will review the shop drawings to verify if the shop drawings correctly represent and implement the design specified in the RMTA construction documents. The items required for mandatory review include:

- Material specification and member size
- Piece mark, plan location, and base length
- Surface preparation and coating
- Geometry and layout
- Connection types, stiffeners and connection material specification
- Bolt type, sizes, and material specification
- Hole types and sizes
- Bolt and Weld material specifications and Weld Geometry and Fillet Size using guidelines from American Welding Society (AWS D1.1, AWS D1.2), Partial Joint Penetration (PJP) groove welds that do not extend completely through the thickness of components joined (PJP groove welds shall be prohibited except those conforming to

AASHTO/AWS D1.5) and Complete Joint Penetration (CJP) groove welds that extend completely through the thickness of joined components thus transmitting the full load-carrying capacity of the structural components they join.

2.2.6 Safety Plan

The GM shall develop a comprehensive Safety Plan for the Project, which shall be submitted to RMTA for review, comment, and approval in accordance with the deliverable schedule. The Safety Plan shall describe the procedures that will be instituted during transport, delivery, erection and installation of the gantry and all related components to ensure personnel safety and compliance with all applicable state and federal laws, rules and regulations, and legislation, including but not limited to OSHA, NECA, FHWA.

The GM shall ensure that all personnel are trained on the safety program prior to their involvement with the transfer of the gantry to the transport vehicles, during the transit and delivery of the gantry to Richmond and to their entrance to any work areas related to the lay-down, erection and installation of the gantry and any of the gantry components. The GM shall always be responsible for the safety of all GM personnel.

The Safety Plan shall include the following, at a minimum:

- Fully describe all GM procedures for ensuring personnel safety
- Index to all applicable OSHA, NEC, NFPA, Commonwealth of Virginia standards
- Identify all health and safety training of the GM's employees and subcontractors

The GM shall notify RMTA immediately when any conditions affecting the Safety Plan change. The GM shall update the Safety Plan document within two (2) weeks of such change in conditions.

RMTA will be responsible for notifying the GM (as soon as possible) of any potential or actual changes in conditions noted within the general Richmond area, any known changes related to transportation corridors leading to or connecting to the Powhite Parkway, or any changes within the Powhite Parkway corridor that would likely have a significant impact on the GM performing its requirements under the Proposed Contract.

2.2.7 Fabrication Inspection and Testing

The GM shall permit RMTA to inspect the manufacture of the gantry and truss elements during the fabrication with advance notification from RMTA (a minimum of one week notice) and coordination with the GM to identify a reasonable date/time for such an inspection. RMTA anticipates at least two such visits – one interim (during the fabrication process) and one final, when the gantry is ready for delivery to the RMTA erection site. The inspection is part of the invoice acceptance and payment process for RMTA to verify the progress toward completion of the gantry fabrication and achievement of the project schedule, to identify any defects or issues that require resolution or curing, and to confirm the resolution of any open defects or issues. Based on RMTA's visual inspection during the fabrication, the GM may accept the identification of such issues or defects and agree to a process and schedule for resolution or curing.

If the GM does not agree with the identification of any defect or issue and should a potential materials quality issue or defect be identified that would impact the structural or operational capability of the Gantry to perform as identified on the RMTA Final Design Plans as an AET Toll Collection Gantry for

RMTA, an independent materials testing facility/organization (agreed to in advance by both RMTA and the GM in conjunction with the award of the Proposed Contract) may be used to formally test any such identified materials and/or production activities (such as weld materials, fillet sizes, PJP and/or CJP welds, or bolt materials, etc.) with the resulting independent report and recommendations as the basis for any resolution or cure.

The GM shall document all such defects and issues discovered during this inspection process (either agreed to by the GM or reported by the independent lab/organization). All issues and defects shall be assigned a resolution and or cure date. This issues/defects list and schedule shall be provided to RMTA within two (2) days of completion of an on-site inspection report for those issues agreed to by RMTA and the GM or those identified within a report from the independent testing lab/organization.

The GM shall be responsible for tracking all defects and issues identified on the list until a complete resolution or cure is achieved. All issues/defects must be resolved to the satisfaction of RMTA.

RMTA approval of any aspect of the inspection and/or testing shall not relieve the GM of the responsibility to meet all remaining Project requirements.

2.3 Project Documentation

Draft and final versions of documentation shall be delivered electronically to RMTA using online document sharing. The GM shall deliver documents in a standard editable PDF application format, which allows for electronic review and tracking changes. All documents are subject to version control. In addition to the shop drawings and other documents previously identified, the following will also be the responsibility of the GM.

2.3.1 Records Keeping

The GM shall maintain quality records and data such as records of design reviews, inspections and test results, records pertaining to nonconforming materials, change order documentation, audit results and all other records related to the RFP and resulting Proposed Contract for no less than five (5) years after RMTA's acceptance of the gantry. This information shall be made available to RMTA upon request and/or 30 days after the acceptance of the Gantry.

2.3.2 Gantry Project Documentation & Tracking

The GM shall maintain a tracking tool for all deliverables/documentation associated with the gantry project. This deliverable tracking tool will be stored in a location accessible to RMTA. The GM shall update the tool weekly.

At a minimum, the Project documentation required to be tracked shall include:

- Gantry Fabrication Schedule
- Gantry Delivery Plan & Schedule
- Gantry Erection & Installation Plan & Schedule

RMTA will utilize this tracking tool as part of the invoice payment process.

2.3.3 Online Document Sharing and Document Management System

The GM shall use a secure, online Project management/collaboration software of their choice to internally manage, share, and distribute Project documents and information at no cost to

RMTA (e.g., SharePoint, Dropbox, Sync.com), including copies of all submitted versions of plans, drawings, and other documentation.

The GM shall provide and maintain for the duration of the Proposed Contract a secure document management system. This document management system shall identify, categorize, track, and manage all Project shop drawings, revised design plans, original design documentation, testing reports and resolution documents, As-Built documentation, and other Project documents. All documentation and artifacts in the document management system shall be easily searchable and accessible by authorized users of both RMTA (and others designated by RMTA) and the GM. The GM shall provide the required licensing of the product for each user accessing the System. Updated versions of Project documents shall be submitted to RMTA for approval whenever revisions are made to Project documentation. All documentation developed by the GM for the Project shall be the property of RMTA.

The GM shall provide a Documentation Lead for the duration of the Proposed Contract (may be any of the designated managers) to ensure all documentation revisions are documented and tracked using a system of version control and change control logs. The Documentation Lead shall also ensure all documentation is successfully updated when design changes, change orders, or equipment changes occur. The Documentation Lead shall ensure all documentation, particularly those related to design is maintained and remains current, incorporating any changes. If necessary, the GM shall provide RMTA staff training for accessing documents in the document management system.

RMTA may, from time to time, provide the GM with an updated list of persons authorized to use the secure online document management system, and the GM shall make the associated changes effective within two (2) business days of receiving each updated list.

2.3.4 Issues/Defects REPORTS

The following progress report format shall be submitted monthly (or when requested by RMTA) by the GM to RMTA for any issues/defects on the resolution list.

- Number and listing of issues/defects identified
- Number of issues/defects closed (% complete)
- Identification of issues/defects closed (resolved/cured)
- Identification of remaining open issues/defects

2.3.5 Gantry As-Built Drawings

The GM shall prepare and submit for RMTA review and approval one (1) complete electronic set of As-Built Drawings for the Powhite AET Gantry in any "native" standard file format such as MicroStation, AutoCad, etc. and one (1) complete electronic set in a PDF format. The drawings shall include the GM 's architecture, all schematics, assembly drawings, parts detail drawings, installation depictions, and other such drawings. The GM shall incorporate any design modifications, change orders and field installation changes that occur during the gantry fabrications and installation.

The GM shall submit the Gantry As-Built Drawings in accordance with the Project Deliverable Schedule.

3 Procurement Process and Response Requirements

The proposal submittal for the fabrication, delivery and erection of the AET Gantry on the RMTA's Powhite Parkway is divided into two separate components: (1) Written Proposer Qualifications & Experience and (2) Proposed Price for the Fabrication, Transport and Erection of the Toll Gantry.

By submitting a response to the RFP, the PROPOSER is acknowledging that the PROPOSER:

- Has read the entirety of the information and instructions
- Agrees to comply with the information and instructions contained herein

3.1 Restrictions on Communications with Staff

Proposers shall not communicate with any RMTA staff or RMTA representatives/consultants about this procurement except through the Procurement Officer named herein for questions concerning this RFP, which may be submitted pursuant to section 3.4, or as otherwise outlined in this RFP. Prohibited communication includes all contact or interaction, including but not limited to telephonic communications, emails, faxes, letters, or personal meetings, such as lunch, entertainment, or otherwise. RMTA reserves the right to reject the proposal of any Proposer violating this provision.

3.2 Insurance

The following information is furnished to, and where applicable, is required of the Proposer for consideration during the preparation of their response to this RFP, in addition to the other requirements, terms and conditions set forth in this RFP. The selection process will be in accordance with the requirements of the Virginia Public Procurement Act (Title 2.2, Chapter 43, of the Code of Virginia).

3.2.1 Performance Surety

Upon the occurrence of an Event of Default and without waiving or releasing the GM from any obligations, RMTA shall be entitled to make demand upon and enforce the surety bond and make demand and enforce the surety bond with respect to the Event of Default in question. RMTA shall be entitled to make demands, regardless of whether the Event of Default is subsequently cured. RMTA will apply the proceeds of any such action to the satisfaction of the GM obligations under the Contract to be executed, including payment of amounts due to RMTA. The GM shall provide proof of the performance surety bond to RMTA before commencing any work under this contract. Failure to maintain the required bond throughout the contract period may result in termination of the contract.

This requirement does not limit or affect RMTA's right to pursue other remedies available under the Contract to be executed or applicable law in the event of a GM default.

3.2.2 General Liability Insurance

General liability insurance with coverage in the amount of One Million Dollars (\$1,000,000.00) each claim and, in the aggregate, covering the negligent acts, errors, or omissions of the Proposer and/or its subcontractors in the performance of the Agreement. The policy coverage shall be effective from the date of commencement of all activities in connection with the Agreement. Coverage shall be extended a minimum of one (1) year beyond the completion of the services.

3.3 Subconsultant Services

Services assigned to subconsultants (such as transport, delivery, erection, etc.) must be informed in advance by the AUTHORITY. The subconsultants must be qualified to perform all work assigned to them. The PROPOSER shall remain responsible for sublet, assigned, or transferred work.

3.4 Questions, Clarifications, and Recommendations

No questions other than written questions related to the RFP requirements, RFP forms and/or the format of the proposal will be accepted. Informal verbal inquiries are not allowed. All Proposers must submit questions by the deadline identified in the procurement schedule. All questions about this RFP must be submitted electronically to the following:

Paula Watson, Manager of Procurement
Paula.Watson@rmtaonline.org

Responses to questions posed will be posted on the RMTA website for the benefit of all Proposers. Interested parties are responsible for monitoring the RMTA website for information, updates, or announcements regarding this RFP.

3.5 RMTA's Right to Amend and/or Cancel this RFP

RMTA reserves the right to amend this RFP prior to the proposal due date and time. In the event it should be necessary to revise any portion of this RFP, an addendum will be published on the RMTA website. It is the PROPOSER'S sole responsibility to monitor the internet site, at <https://www.rmtaonline.org/rfps/>, and to acknowledge and/or comply with all addendums to this RFP. PROPOSERS should monitor the website for information concerning this procurement and will be ***required to acknowledge in their transmittal letter*** that they have received and reviewed all relevant materials posted thereon.

EACH PROPOSER IS INDIVIDUALLY RESPONSIBLE FOR REVIEWING ADDENDA AND ANY OTHER POSTED DOCUMENTS AND MAKING ANY NECESSARY OR APPROPRIATE CHANGES AND/OR ADDITIONS TO THE PROPOSER'S RESPONSE.

Finally, RMTA reserves the right to cancel this RFP at any time.

3.6 Preparing and Submitting a Response

Proposals must be divided into two (2) appropriately labeled packages - a “Qualifications & Experience Proposal” and a “Price Proposal”.

3.6.1 Proposal Formats

The written Qualifications & Experience Proposal must be prepared and submitted along with a digital copy of the document on a thumb drive (memory stick). Three (3) copies of the Qualifications & Experience Proposal shall be bound in 3-ring binders, printed on 8” x 11” one-sided pages, using standard (uncompressed) type fonts no smaller than 11 points and single line spacing. The digital file shall be in editable portable document format (PDF) and the Price proposal shall use the blank Microsoft Excel (XLSX) format provided by RMTA (down-loadable from the RMTA website).

The Qualifications & Experience Proposal shall not exceed the page limits listed in the following description of contents.

3.6.1.1 *RFP Cover Page - one (1) page*

3.6.1.2 *Cover Letter - not to exceed two (2) pages.*

A duly authorized official of PROPOSER must execute the cover letter stating that representations, statements, and commitments made in the RFP response on behalf of the PROPOSER have been authorized by, are correct, and accurately represent the role of the PROPOSER and any subcontractors identified within the Proposal. The letter should also identify the PROPOSER’S full legal name, PROPOSER’S team member (if any), and clearly guarantees the PROPOSER’S financial obligation as the Financially Responsible Party to deliver the products and services identified in this RFP.

3.6.1.3 *Background & Project Summary – narrative not to exceed ten (10) pages.*

The narrative should provide background information about your firm to include, but not be limited to, firms history, financial and production resources, financial stability, firm’s capability to fabricate, deliver and erect a 180-foot clear span gantry with a box-girder truss, special production capabilities, etc.

3.6.1.4 *Qualifications & Experience References – not to exceed ten (10) pages.*

The narrative should focus on production, delivery and erection of long-span truss in the range of 150-feet and longer (to include all information identified in Section 3.7.4).

3.6.1.5 *Proposer Contact and Management – not to exceed four (4) pages.*

The Proposer will identify the Proposer Point-of-Contact during for activities during the RFP evaluations and contract award process and the following management that will be dedicated to the RMTA gantry project. The point-of-contact and the managers will all be listed on a one (1) page summary that may include short overviews of each person. And, for each of the project managers, a one (1) page resume or descriptive narrative is allowed for each person. ***If Proposer is using one manager for more than one management position, the page limit remains at one page per person.***

- Gantry Fabrication (management of gantry manufacture at fabrication site)
- Gantry Delivery (from fabrication site to RMTA receiving location)
- Gantry Erection (on-site manager of gantry erection & installation)

3.6.1.6 **Appendix** (Forms, Commitments & Financial Statements - not counted in page limits)

- **Non-Collusion Affidavit** - (not counted in page limits)
- **Performance Surety** - (not counted in page limits)
- **Litigation History** - within the past 5 years – if any (not counted in page limits)
- **Statement of Disclosure - Conflict of Interest** (not counted in page limits)
- **Insurance Information** (not counted in page limits)
- **Summary Schedule** - a high-level schedule of interim milestones (not counted in page limits)
- **Financial Statements** - 3 years (not counted in page limits)
- **Miscellaneous Statements** – As described in Sections 4.4 and 4.5 (not counted in page limits)

3.6.1.7 **Financial Statements** – (not counted in page limits)

To demonstrate the Proposer possesses the adequate financial resources necessary for this Project, the PROPOSER must provide the applicable financial statements for the Financially Responsible Party identified in the *Cover Letter* for the three most recently completed fiscal years. If an audited financial statement for the prior year is not available, an unaudited financial statement may be provided, certified as true, complete, and accurate by the Proposer's Chief Financial Officer or its accredited accounting firm.

Financial statement information must be consolidated where required by generally accepted accounting principles (GAAP) or International Financial Reporting Standards (IFRS) and must include:

- a) Opinion Letter (Auditor's Report)
- b) Balance Sheet
- c) Income Statement or Statement of Comprehensive Income
- d) Statement of Changes in Cash Flow
- e) Footnotes to Financial Statements

In addition, Financial Statements must meet the following requirements:

- a) **GAAP/IFRS:** Financial Statements must be prepared in accordance with U.S. GAAP or IFRS.
- b) **U.S. Dollars:** Financial statements should be provided in U.S. dollars.
- c) **Audited Statements:** Financial statements must be audited by an independent party qualified to render audit opinions (e.g., a certified public accountant). If audited financials are not available, unaudited financial statements for such entity shall be provided, certified as true, correct, and accurate by the Chief Financial Officer ("CFO"), treasurer or equivalent officer of the entity.
- d) **English:** Financial statement information must be prepared in English. If audited financial statements are prepared in a language other than English, translations of all financial statement information must be provided.
- e) **SEC Filings:** If any entity for which financial information is submitted hereby files reports with the Securities and Exchange Commission, then such financial statements shall be provided through a copy of their most recent annual report on Form 10K.

3.6.2 Credit Ratings – (not counted in page limits)

The PROPOSER shall provide its most recent credit rating from agencies such as Moody’s Investor Services, Standard & Poor’s, or Fitch Ratings, to the extent such entities have credit ratings. If no credit ratings exist, then the PROPOSER shall provide a written statement specifying that no credit ratings exist for the PROPOSER.

3.6.3 Off-Balance Sheet Liabilities - (not counted in page limits)

The PROPOSER shall provide a list describing all off-balance sheet liabilities and commitments for the PROPOSER, if applicable, for the three most recently completed years and anticipated for the next reporting period. If the off-balance sheet liabilities and commitments are included in the notes to the financial statements, then the PROPOSER is not required to provide a separate listing. If no off-balance sheet liabilities exist, then a written statement signed by a duly authorized officer of the PROPOSER must be provided, certifying that no off-balance sheet liabilities exist.

3.6.4 Insurance - (not counted in page limits)

Provide name of insurance carrier for the Proposer, types and levels of coverage, and deductible amounts per claim.

3.6.5 Surety or Bank/Financial Institution Letter - (not counted in page limits)

The PROPOSER must submit a letter from an Eligible Surety or Eligible Financial Institution which shall be addressed to the RMTA and shall state that the PROPOSER is capable of obtaining ~~a performance bond~~ and a surety bond in an amount equal to 100% of the contract price.

3.6.6 Litigation History - (not counted in page limits)

Describe any litigation the Proposer or any sub-contractor has been involved in in the past five (5) years. Describe experience with litigation with owners and/or contractors. List any active or pending litigation and explain.

3.6.7 Failure to Complete - (not counted in page limits)

In the past five (5) years, has the Proposer ever been removed from a contract or failed to complete a contract as assigned? If so, submit full details of the terms for removal from the Contract. Identify the other party, its name, address, and telephone number. Present the Proposer’s position on the matter. If the Proposer team members have experienced no such termination for default in the past five (5) years, indicate accordingly.

3.6.8 Statement of Disclosure - (not counted in page limits)

Provide a statement of disclosure of all potential legal or otherwise significant conflicts of interest possibly created by Proposer being considered in the selection process or by the Proposer’s involvement in the resulting project(s). Proposer should provide information as to the nature of the relationship(s) with the parties in such potential conflict.

NOTE: Do Not Include Any Price Information in The Qualifications Submission.

3.6.9 Proprietary Information – Confidential Contents – Redacted Version of Response

To invoke the protections of §2.2-4342F and protect trade secrets or other confidential or proprietary information submitted by a Proposer from being subject to disclosure under the Virginia Freedom of Information Act (VFOIA), the Proposer must submit a “Public Copy” of the written Qualification & Experience Proposal with clear and distinct redactions of all trade secrets and proprietary elements to be protected as a separate package along with the Qualification and Price Proposals.

This version will be submitted with an additional label “PUBLIC COPY - CONFIDENTIAL CONTENTS – REDACTED VERSION OF RESPONSE”. If the PROPOSER chooses to submit A PUBLIC COPY, a separate electronic file is required to be submitted (on a thumb drive/memory stick) with the same PUBLIC COPY label. **NOTE:** If no Public Copy of the Qualification & Experience Proposal is submitted, all material within the Proposer’s Qualification & /experience Proposal will be subject to disclosure under VFOIA.

3.6.10 Procurement Schedule

Both the Qualifications Proposal and the Price Proposal must be delivered to the RMTA at the following address no later than **Noon on December 18, 2024**. Proposal received after the due date and time will be considered non-responsive.

PROCUREMENT ACTIVITY	DATE(S)
RFP Posted on RMTA, VDOT & IBTTA Websites	11/25/2024
Questions from Potential Bidders	11/25/2024 - 12/3/2024 (No Later than Noon on the last day)
Answers from RMTA	11/25/2024 - 12/6/2024
Proposals Due	No Later than Noon - 12/18/2024
Reference Checks, Evaluation & Selection	12/19/2024 – 1/10/2025
Contract Notice to Proceed	1/13/2025 – 1/17/2025

Proposal Delivery Address: Attn: Paula Watson, Manager of Procurement
 Richmond Metropolitan Transportation Authority
 901 East Byrd Street, Suite 1120
 Richmond, Virginia 23219
 Paula.Watson@rmtaonline.org

NOTE: Pages that may be included but do not count against the allowable proposal pages include a Table of Contents (one page) and Section Dividers (one page in advance of each section).

3.7 Qualifications & Experience Proposal

The following Qualifications & Experience are requirements that must be included in the proposal for the Proposer to be considered for this project.

3.7.1 Proposer Qualification

Proposer must be able to demonstrate their ability to fabricate, transport and erect a long clear-span galvanized steel box girder truss (150 feet in length or longer) by documenting the delivery of three projects that meet the requirements within the past 10 years. The Proposer may include a short narrative to describe the Proposer's overall capabilities and history in providing similar products and services. In addition, the Proposer must demonstrate their financial stability and capability to deliver such projects as well as their ability to provide the required insurance and bonding to guarantee that capability.

3.7.2 Management Identification

In the narrative, the PROPOSER shall describe its experience providing products, management, transport and coordination services similar to those identified within the RFP. This description should specifically address the PROPOSER'S record in delivering completed projects on time and on budget. In addition, each Proposer shall identify the following Key Management and/or Staff and points-of-contact responsible for:

- Gantry Fabrication (management of gantry manufacture at fabrication site)
- Gantry Delivery (from fabrication site to RMTA receiving location)
- Gantry Erection (on site manager of gantry erection & installation)

3.7.3 Subcontractors

Subcontractors who will be involved in any portion of this project must be identified. PROPOSERS are advised that no subcontractor may be employed without informing the RMTA about all of the provisions of the Agreement(s) that pertain to the subcontractor(s).

3.7.4 References

Proposer must submit no less than three (3) verifiable references for RMTA to review in its consideration of the Proposer's qualifications regarding this procurement opportunity. These references shall include projects that involved the fabrication, delivery and erection of galvanized steel toll gantries and/or sign trusses with clear spans equal to or greater than 150 feet awarded to the Proposer between 2014 – 2024 (including those that are works-in-progress) where the Proposer is/was the prime contractor or, alternatively, is/was the key subcontractor primarily responsible for the fabrication, delivery and/or erection of such long-span gantries and/or sign trusses.

Proposers must provide the information shown below, in the sequence shown, as the response to this section. Proposers shall provide this information in reverse chronological order of contract execution (beginning with the most recent contract execution). Proposers shall provide this information in a list or table format.

- Each Proposer shall include the following information for each project identified:
- Project Name and Brief Project Description

- Client Name
- Client Contact (name, telephone & email)
- Status: Active, Completed, Terminated, other
- Start Date
- Completion Date (if completed)
- Gantry/Truss Contract Award Value
- On Time: Yes or No
- On Budget: Yes or No

The client contact names provided may be used as reference checks by RMTA, so please ensure the contact information is accurate and current.

3.7.5 Schedule of Deliverables

As noted, RMTA desires the delivery and erection of the gantry truss to be complete and ready for the installation of toll equipment no later than 25 weeks after the execution of the Proposed Contract. If Proposer is committed to meeting the RMTA's desired completion date, the Proposer should include a high-level summary schedule identifying the key milestones to achieving the RMTA's desired date that includes specific milestones to serve as deliverables for any associated interim payment requested by the Proposer.

However, the Proposer may, at their discretion, identify and commit to a different completion timeframe for consideration by RMTA. If Proposer suggests a different timeframe for the fabrication, transport and erection of the gantry truss, then a similar schedule of activities must be provided to support any interim payments.

Please note, as part of the RMTA's Best Value evaluation for the gantry truss procurement, the RMTA does not guarantee any consideration for a Proposer's suggested alternative timeframe for the delivery of the gantry. At RMTA's discretion, the agency has the right to determine if a Proposer's suggested alternative timeframe in combination with the Proposer's qualifications and price are in the best interest of the RMTA.

3.8 Price Proposal

Each Proposer is required to submit a Price Proposal as part of its response. By submitting a response, the Proposer agrees that it has read, understood, and will abide by the following instructions/rules:

The submitted Single Lump Sum Price within the Price Proposal must include all costs pursuant to the requirements identified within the RFP.

Price Proposals containing any deviation from PROPOSER providing an all-inclusive lump sum amount for the fabrication, delivery and erection of the gantry based on the specifications and designs included in *Appendix A: Design Plans* of this RFP will be treated as non-responsive and may not be considered for award.

3.8.1 Price Structure and Additional Instructions

RMTA has structure the RFP and price format to facilitate comparison among all PROPOSERS and foster competition to obtain best value pricing. Therefore, RMTA requires that each PROPOSER'S price be in the

format outlined in *Appendix B. Price Proposal*. Each Proposer is cautioned that failure to comply with the instructions listed below, submission of an incomplete offer, or submission of an offer in a different format than requested may result in the rejection of the Proposer's proposal.

Enter all information directly into the Excel price sheet(s). Enter numbers in "number" (two-place decimal), not "currency" or another format unless otherwise stated. That is, omit dollar signs, commas, and any other non-essential symbols (e.g., \$1,234.50 should be entered as 1234.50). Prices must be in US Dollars.

The Proposer must use, complete, print and sign a paper copy of the XLSX in the Price Proposal. The printed version of the Price Proposal along with a thumb drive (memory stick) containing the Price Proposal XLSX file shall be packaged in a separate sealed 8' x 11" white or manilla colored envelope and submitted at the same time as the written Qualifications & Experience Proposal.

Use caution in creating electronic files. If RMTA cannot open an electronic file due to a virus or because the file has become corrupted, the Proposer's response may be considered incomplete and disqualified from further consideration. As a precaution for possible electronic issues, it is suggested that Proposers provide their submittals early.

RMTA will email a confirmation of the successful receipt of the proposal.

3.8.2 Conflict of Interest

Upon submission of a proposal, the Proposer affirms that it, its officers, members, and employees at present, have no interest and shall not acquire any interest, direct or indirect, which would conflict or compromise in any manner or degree with the performance or its services hereunder. The Proposer further covenants that in the performance of the Contract, the Proposer shall periodically inquire of its officers, members, and employees concerning such interests. Any such interests discovered shall be promptly presented in detail to RMTA.

3.8.3 Governing Law

This procurement and all resulting contracts and change orders shall be governed by the laws of the Commonwealth of Virginia, including but not limited to the Virginia Public Procurement Act, Va. Code §2.2-4300 et seq. RMTA shall select the fully qualified Proposer who, in the opinion of RMTA, has made the offer best suited to RMTA and shall award the Contract to that Proposer. The award document will be a contract incorporating by reference all the requirements, terms, and conditions of this RFP and the Proposer's proposal as negotiated.

In accordance with Virginia Code §§ 2.2-4319 and 2.2-4359, RMTA may cancel this RFP (or any portion thereof) or reject proposals at any time prior to an award. RMTA is not required to furnish a statement of the reasons why a particular proposal was not deemed to be the most advantageous.

The Proposer shall comply with all applicable Federal, State, and local laws and regulations, including rules and regulations of RMTA.

3.8.4 Taxes, Permits, and Licenses

Each Proposer shall be responsible for determining all sales, employment, use, personal property, or any other tax responsibilities that may be incurred through any contracts, transactions, deliveries, or

performance of services resulting from this RFP prior to submitting a proposal. All such taxes due are the sole responsibility of the selected Proposer, and in no case shall RMTA accept, assume, or in any way be responsible or liable for same, unless specifically provided for in the resulting Contract. RMTA is exempt from all sales and use and property taxes.

The selected Proposer shall obtain and maintain at their own expense all necessary permits and other licenses to comply with all applicable laws, Federal, State, or municipal, along with all regulations and ordinances of any regulating body.

3.8.5 Proposal Withdrawal and/or Revision Following Submission

A submitted proposal may be withdrawn, and changes to a submitted proposal can be made prior to the proposal due date and time. If a Proposer notes an error or omission in its response that was overlooked prior to submitting the proposal, the Proposer may contact the Issuing Officer to request the proposal be withdrawn. Unless and until the Proposer resubmits a revised response, RMTA will have no offer from the Proposer to evaluate for possible Contract award. Any resubmission must be received by RMTA no later than the proposal due date and time.

3.8.6 Response Material Ownership

Ownership of all data, materials, and documentation originated and prepared for the RMTA shall belong exclusively to the RMTA and be subject to public inspection per the Virginia Freedom of Information Act (VFOIA) unless otherwise Redacted as outlined in Section 3.6.9.

3.9 Rejection of Proposals

RMTA reserves the right to reject any or all responses, waive any irregularity or informality in a PROPOSER'S proposal, and accept or reject any item or combination of items. It is also within the right of the RMTA to reject responses that do not contain all elements and information requested in this RFP. A PROPOSER'S response will be rejected if the response contains any defect or irregularity. Such a defect or irregularity constitutes a material deviation from the RFP requirements. RMTA will determine defects on a case-by-case basis.

4 Evaluation and Selection Criteria and Process

The evaluation and selection process aims to identify the PROPOSER whose proposal is the most advantageous to the RMTA, offering the best overall value in terms of technical capability, experience, and cost-effectiveness

Proposals not meeting these responsiveness criteria may be deemed non-responsive and eliminated from further consideration. RMTA reserves the right to waive minor informalities or irregularities that do not affect the substance of the proposal, at its sole discretion.

PROPOSERS are strongly encouraged to carefully review their proposals before submission to ensure all responsiveness criteria are met. At its discretion, RMTA may contact PROPOSERS to clarify or remedy minor responsiveness issues but is not obligated to do so.

The review process is divided into two phases: (1) Administrative/Preliminary Review – undertaken to ensure Proposals contain all the elements required within the RFP and (2) an Evaluation Team in-depth review of the specific Qualifications, Experience, Schedule and Price submittals in those Proposals that were deemed acceptable by the Administrative/Preliminary Review.

Once the in-depth evaluation process has been completed for both Proposals, the Evaluation Team will recommend the most advantageous proposal to the RMTA Chief Executive Officer (CEO).

4.1 Proposal Evaluation and Award

4.1.1 Administrative/Preliminary Review

Upon receipt, each proposal will be reviewed by the Procurement Officer to determine the proposal's compliance with the following requirements:

- The proposal was received by the deadline.
- The proposal is complete and contains all required documents.
- The Proposer generally meets RMTA qualifications as stated in section 3.6 & 3.7.
- Written Qualifications & Experience Proposal does not include any pricing or cost information.

A Proposer is deemed responsible if RMTA believes the Proposer to have the financial and technical capabilities to deliver the scope of work pursuant to this RFP. RMTA reserves the right to conduct additional due diligence into any Proposer's responsibility status.

Note that Proposers are required to provide documentation regarding litigation history, financial stability, failure to complete, and other items that may impact the determination of Proposer responsibility.

Once reviewed and deemed responsive by RMTA Issuing Officer, the written Qualifications and Experience Proposal will be submitted to the RMT Evaluation Team for a more in-depth review. Responses to all Qualifications & Experience requirements will be evaluated on a pass/fail basis. All proposals that satisfy the Pass/Fail review will then have their price proposal opened and reviewed.

At RMTA's discretion, the Evaluation Team may request additional information or clarification from one (1) or more of the responding firms either before or after the evaluation of the written Qualifications & Experience Proposal and/or review of the Price Proposal.

4.1.2 Pass/Fail Review

Proposals deemed responsive by the Procurement Officer after the Administrative/Preliminary Review will proceed to the Pass/Fail Review stage where the Evaluation Team will conduct an in-depth review of each written Qualifications & Experience Proposal response based upon the Pass/Fail criteria set forth below. PROPOSER must obtain a “pass” on all Pass/Fail items for the Evaluation Team to consider the PROPOSER’S Schedule and Price which will each be reviewed for their value to RMTA.

The objective of the evaluation process is to identify the Proposer whose proposal is the most advantageous to RMTA.

The three elements that will be reviewed by the Evaluation Team for Pass/Fail include

4.1.2.1 PROPOSER Qualifications & Experience

The Evaluation Team will review the evidence that the PROPOSER meets RMTA’s required qualifications & experience as stated in Section 3.6 & 3.7.

4.1.2.2 PROPOSER Capabilities

The Evaluation Team will determine if the Proposer has demonstrated their technical and financial capability to satisfy the project requirements and provide the necessary management as required in Sections 2.2 & 3.6 & 3.7.

4.1.2.3 PROPOSER References

The Evaluation Team will review the referenced projects to determine if the PROPOSER demonstrated their experience with projects similar in scope to the requirements of this project as stated in the requirements listed in Section 3.6 & 3.7.

4.1.3 Schedule & Price Review

After achieving a “Pass” for all three Pass/Fail elements, the Evaluation Team will review the PROPOSER suggested schedules and total prices. Each of these elements will be evaluated in terms of “Best Value” to RMTA based **first on Price for all those PROPOSERS with schedules that deliver the project within the RMTA’s desired 25 week timeframe** versus Proposals that have schedules that deliver the erected gantry beyond the RMTA’s desired timeframe.

4.1.3.1 PROPOSER Schedule

The Evaluation Team will identify all PROPOSERS who commit to the fabrication, delivery and erection/installation of the toll gantry to be complete on RMTA’s Powhite Parkway site no later than 25 weeks from the execution of the project Contract by RMTA and the selected PROPOSER.

4.1.3.2 PROPOSER Price

The Evaluation Team will document each PROPOSER’S Total Price for the required products & services.

The final Best Value consideration will thus identify the value to RMTA (if any) of the total contract cost of the project versus any such schedule that is beyond the RMTA desired project timeframe. The evaluation team will then rank the proposals in their order of the Best Value to RMTA and present that ranking to the RMTA CEO.

4.1.4 Selection Criteria Table

CATEGORY	DESCRIPTION	CRITERIA
PROPOSER Qualifications & Experience	The PROPOSER must include evidence that it meets RMTA's required qualifications & experience as stated in sections 3.6 & 3.7.	Pass/Fail
PROPOSER Capabilities	The Proposer must demonstrate the technical and financial capability to satisfy the project requirements and provide the necessary management as stated in sections 2.2 & 3.6 & 3.7.	Pass/Fail
PROPOSER References	Referenced projects demonstrated the PROPOSER'S experience with projects similar in scope to the requirements of this project as stated in section 3.6 & 3.7.	Pass/Fail
PROPOSER Schedule	Fabrication, delivery and erection/installation to be complete no later than 25 weeks after execution of the project Contract.	Best Value
PROPOSER Price	Total Price of required products and services.	Best Value

4.1.5 Best and Final Offers (BAFO)

RMTA reserves the right to request BAFO prices from the Proposers after reviewing the price proposal should RMTA believe that it is in the best interest of RMTA to do so. RMTA is not required to request a BAFO.

4.1.6 Selection and Award

The ultimate selection of the GM will be made by the RMTA Executive Director.

4.2 Discrimination

RMTA not discriminate against an offeror or PROPOSER because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by State and Federal law relating to discrimination in employment.

4.3 Litigation, Administrative Proceedings or Investigations

Identify any material litigation, administrative proceedings or investigations in which your firm is currently involved or that may be threatened against your firm. Please indicate the current status or disposition of such litigation, administrative proceedings or investigations.

4.4 Various Statements/Certifications

Provide the following statements or assurances. If you are unable to do so, please explain why and provide supporting details.

Provide a statement of assurance that your firm is not currently in violation of any regulatory agency rule, or if in violation, an explanation as to why the violation does not have a material adverse impact on your ability to perform under this solicitation.

Provide a statement of assurance that the PROPOSER is not taking advantage of and is not in any way basing the submission of its proposal on, any confidential information obtained in past associations with RMTA such that award of the Contract may result in the PROPOSER receiving an unfair competitive advantage.

Provide a statement of assurance that your response is not the result of, or affected by, any act of collusion with another person (as defined in Virginia Code §§ 59.1-68.6 et seq.), engaged in the same line of business or commerce; or any act of fraud punishable under the Virginia Governmental Frauds Act (Virginia Code §§18.2-498.1 et seq.).

4.5 Various Other Disclosures

Identify and describe the circumstances whether your firm or any of its principals (i) are currently debarred, suspended or disqualified from submitting responses to RMTA, or any other state, local or federal entities, (ii) ever been terminated for work awarded to it, including termination for default (or cause) or for the convenience of the owner, (iii) been disqualified, removed, or otherwise declared in material breach or default of any contract by a public agency, or debarred from participating in the RFP process for any contract, or failed to complete a project with a public agency, (iv) filed a request to be released from an application, proposal, selection or award of any contract within the last five (5) years, (v) ever been selected for award or awarded a contract in which the entity failed to undertake the awarded services or execute the proffered contract (such as not signing the contract documents, an inability to obtain insurance or meet bonding requirements; or failure to submit required forms and attestations), or (vi) filed for bankruptcy in the last seven years or is currently the debtor in a bankruptcy case.

4.6 RMTA Contracting Process

Once a proposal has been accepted by the RMTA Board, RMTA will begin negotiations with the PROPOSER identified by the Board as ranked first. If a Contract satisfactory and advantageous to RMTA can be negotiated at a price considered fair and reasonable, the award shall be made to that PROPOSER. Otherwise, negotiations with the PROPOSER ranked first shall be formally terminated and negotiations may be undertaken with the PROPOSER ranked second, and so on until such a contract can be negotiated at a fair and reasonable price.

Any and all costs associated with the submission of Proposals shall be at the sole expense of the PROPOSER. If needed, on-site interviews may be conducted at RMTA's Powhite Parkway (South) Toll Plaza facility and other locations as agreed upon. RMTA will notify all PROPOSERS of the evaluation rankings and any decision to award the Contract.

The solicitation of Proposals shall in no manner be construed as a commitment on the part of the RMTA to make an award. RMTA reserves the right to cancel this Request for Proposal or to reject any and all proposals submitted as well as to waive any informality, whichever is in the best interest of the RMTA. RMTA shall not be bound until such time as a contract in writing is executed by both the PROPOSER and the RMTA.

4.7 Protest Procedures

PROPOSER may agree to, comment on, appeal or protest the procurement process and timeline described herein. The protest shall be submitted in writing within ten (10) business days after such aggrieved PROPOSER knows, or should have known, of the facts giving rise thereto per Protests received after the ten-business-day period shall not be considered.

The written protest shall include, as a minimum, the following:

- a. The name and address of the protestor
- b. Appropriate identification of the procurement by proposal, RFP, or award number
- c. A statement of the reasons for the protest; and
- d. Any available exhibits, evidence or documents substantiating the protest.

All such comments, appeals and protests shall first be made to:

Attn: Paula Watson, Manager of Procurement
Richmond Metropolitan Transportation Authority
901 East Byrd Street, Suite 1120
Richmond, Virginia 23219
Paula.Watson@rmtaonline.org

5 Miscellaneous

Proposers may refer to Sections 2.2-4357 through 2.2-4364 of the Code of Virginia, as amended, to determine their remedies concerning this competitive process.

RMTA reserves the right to reject any and all proposals and to waive any irregularities in order to award the concession that is in the best interests of the RMTA. RMTA reserves the right to modify, change, amend or withdraw this RFP. Any such change to this RFP will be made in writing. RMTA will notify all potential respondents of amendments by issuance of an addendum, and will, if necessary, adjust the due date of the Proposal submission.

During the term of the engagement, each PROPOSER shall agree as follows:

The PROPOSER will not discriminate against any employee or applicant for employment because of race, religion, color, sex, disability or national origin except where religion, sex, disability or national origin is a bona fide occupational qualification reasonably necessary to the normal operation of the PROPOSER.

The PROPOSER, by signing the proposal, certifies that it does not and will not during the performance of the work knowingly employ an unauthorized alien, as defined in the Federal Immigration Reform and Control Act of 1986.

All firms are hereby placed on notice that neither the RMTA nor its employees, agents or members of its Board of Directors shall be lobbied either individually or collectively regarding this RFP. PROPOSERS, consultants and their agents are hereby advised that they are not to contact Board of Director members of the RMTA or staff members for such purposes as holding meetings of introduction, dinners, etc., if they intend to submit, or have submitted a Proposal. ANY FIRM CONTACTING INDIVIDUALS MENTIONED HEREIN SHALL BE IN VIOLATION OF THIS WARNING AND SHALL AUTOMATICALLY BE DISQUALIFIED FROM FURTHER CONSIDERATION FOR THIS REQUEST FOR PROPOSALS.

RMTA, in its discretion, will commence the engagement on a date that best accommodates the schedule of the successful PROPOSER and the RMTA and any transition hereunder.

This RFP and each and all parts, exhibits and appendices thereof shall in all respects be and constitute a part of the Contract to be entered into with the successful PROPOSER.

No Proposal shall be withdrawn except with the consent of the CEO of the RMTA (or her designee) for a period of ninety (90) days following the receipt date of proposals (subject to earlier acceptance). Proposals may be withdrawn by written notice, facsimile/telefax or telegram received at any time before the deadline for submitting Proposals. Proposals may be withdrawn in person by the respondent or an authorized representative prior to the deadline for submitting them.

5.1 Unacceptable Proposals

RMTA, in its discretion, may refuse to consider or evaluate a Proposal for any of the following reasons:

5.1.1 Failing to Comply with Submission Instructions

Proposals received after the identified due date and time or submitted by any other means than those expressly permitted by the RFP will not be considered. PROPOSER'S responses must be complete in all

respects, as required in each section of this RFP, or the PROPOSER'S response/proposal may not be considered.

5.1.2 Rejection of Proposals; RMTA'S RIGHT TO WAIVE IMMATERIAL DEVIATION

RMTA reserves the right to reject any or all responses, waive any irregularity or informality in a PROPOSER'S proposal and accept or reject any item or combination of items. It is also within the right of the RMTA to reject responses that do not contain all elements and information requested in this RFP. A PROPOSER'S response may be rejected if the response contains any defect or irregularity. Such a defect or irregularity constitutes a material deviation from the RFP requirements. RMTA will determine defects on a case-by-case basis.

5.1.3 Financial Capacity

The PROPOSER has the financial capacity to carry out the responsibilities potentially allocated to it as demonstrated by materials provided in the response to the RFP.

5.1.4 Evidence of Collusion

The PROPOSER warrants and represents that any information contained in its RFP response was developed independently of other PROPOSERS and there was no collusion involved. The PROPOSER has not, directly or indirectly, entered into any combination or arrangement with any person, firm or corporation or entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free, competitive bidding of which would increase the cost of in connection with the said Contract. Also the PROPOSER warrants that no person or selling agency has been employed or retained to solicit or secure the said Contract, based on an agreement or understanding, for a commission, percentage, brokerage or contingent fee, with any bona fide full-time or part-time RMTA employee or a consultant or contractor presently under contract to RMTA.

5.1.5 Ethics in Public Contracting

Pursuant to Virginia Code 18.2-498.4, the PROPOSER hereby certifies that, by submitting a Proposal, such proposal is not the result of, or affected by, any act of collusion with another person engaged in the same line of business or commerce, or any act of fraud punishable under the Virginia Government Frauds Act. By submitting its proposal, PROPOSER certifies that they have not conferred on any public employee having official responsibility for this procurement transaction any payment, loan, subscription, advance, deposit of money, services or anything of more than normal value, present or promised unless consideration of substantially equal or greater value was exchanged.

5.2 Indemnification of the RMTA

The successful PROPOSER shall defend, indemnify and hold harmless the RMTA, its directors, officers, agents, employees and representatives from any and all claims, demands, suits, actions or judgments, including attorney fees, alleged or claimed to have been caused whole or in part by or through the performance by the successful PROPOSER, or by reason of any actions or activities of the successful PROPOSER whether or not such damage is attributable to a party indemnified hereunder. This Section 5.2 does not and is not intended to require indemnification of the RMTA for any damages caused by or resulting solely from the negligence of the RMTA.

5.3 Laws and Courts

Any Contract resulting from this RFP shall be governed in all respects by the laws of the Commonwealth of Virginia and any litigation with respect thereto shall be brought in the Circuit Court of the City of Richmond. The successful PROPOSER shall comply with all applicable federal, state and local laws and regulations.

5.4 Antitrust

By entering into the Agreement, the PROPOSER conveys, sells, assigns, and transfers to the RMTA all rights, title and interest in and to all causes of the action it may now have or hereafter acquire under the antitrust laws of the United States and the Commonwealth of Virginia, relating to the particular goods or services purchased or acquired by the RMTA under such Contract.

5.5 Assignment of Contract

The Agreement shall not be assigned by the PROPOSER in whole or in part without the prior written consent of the RMTA.

5.6 Ownership and Use of Material

Ownership of all data, materials and documentation originated and prepared for the RMTA pursuant to the RFP shall belong exclusively to the RMTA.

5.7 Public Information

Disclosure of any information submitted in response to this RFP is governed by applicable Virginia law, including the provisions of the Virginia Freedom of Information Act (“FOIA”), and the RMTA makes no representations as to the avoidance of disclosure if a proper FOIA request is made. To the extent a PROPOSER wishes to attempt to protect trade or proprietary information from disclosure, it must identify the data or other materials to be protected and state the reasons why protection is necessary. As outlined in Section 3.6.9. Proprietary Information and Confidential Contents, the PROPOSER is required to submit a redacted Public Copy document that has had some of its content concealed to protect privacy.

Failure to provide a Public Copy as outlined in Section 3.6.9. may result in any or all information, data or other materials provided to RMTA as part of this procurement being released to another bidder, PROPOSER, offeror or public or private person. RMTA shall undertake to advise PROPOSER(s) of any request for disclosure under FOIA for a copy of the Redacted Public Copy provided by the PROPOSER. By submitting its proposal, however, PROPOSER agrees to release the RMTA from any liability for disclosures made in response to an FOIA request.

5.8 PROPOSER’S Acknowledgement

By submitting a response to this RFP, each PROPOSER unequivocally acknowledges that the PROPOSER has read and fully understands this RFP, and that the PROPOSER has asked questions and received satisfactory answers from RMTA regarding any provisions of this RFP with regard to which the PROPOSER desired clarification. PROPOSER acknowledges access to all materials posted on the following website <https://www.rmtaonline.org/rfps/> with respect to the Project.

PROPOSER acknowledges and agrees to the protest provisions and understands that it limits PROPOSER'S rights and remedies to protest or challenge the RFP or any determination or qualification thereunder.

5.9 Termination

This Agreement may be terminated under any or all of the following conditions:

- a. By mutual agreement and consent of the RMTA and PROPOSER
- b. By either party at any time upon sixty (60) days prior written notice; provided, however, that PROPOSER may not so terminate if it will result in a substantial inconvenience, burden, delay or hardship upon the RMTA, as reasonably determined by the RMTA, unless solely due to default by RMTA.
- c. Failure of the PROPOSER to provide the products or services described in this Agreement within the times indicated will subject this Agreement to potential termination by the fourteen (14) day written notice. RMTA shall not be liable to PROPOSER for payment on any work that has not been completed and delivered to the RMTA prior to termination of the Agreement.

After receipt of a notice of termination and except as otherwise directed by the RMTA, PROPOSER shall:

- a. Stop all work under this Agreement on the date and to the extent specified in the notice of termination.
- b. Terminate and place no further orders or subcontracts for materials or services, except as may be necessary for completion of such portion of the work under this Agreement that has not been terminated.
- c. Assign to the RMTA, in the manner and to the extent directed by the RMTA, all of the right, title, and interest of PROPOSER under any PROPOSER orders or subcontracts as related to the performance of the work terminated. RMTA, at its discretion, may require PROPOSER to continue such subcontracts or orders until assumption of the same in writing by the RMTA, or require PROPOSER to settle or pay any or all legitimate claims, arising out of termination of such orders and subcontracts.
- d. With the RMTA's prior written authorization, terminate PROPOSER orders or subcontracts related to the performance of the work terminated. The RMTA, in writing, may require PROPOSER to settle or pay all outstanding liabilities and/or claims arising from termination of PROPOSER orders related to the performance of the work terminated, the cost of which is reimbursable in whole or in part in accordance with the provisions of this Agreement.
- e. Complete performance of such part of the work as shall not have been terminated by the notice of termination.
- f. Take such action as may be necessary, or as the RMTA may direct, for the protection and preservation of the property related to this Agreement which is in the possession of PROPOSER or any subcontractor or subconsultant or in which the RMTA has or may acquire an interest.
- g. Deliver to the RMTA all documents, reports, records, studies, work papers, and analyses of work compiled up to the date of termination pursuant to Section 5 hereof.

In the event of termination by the RMTA due to failure of PROPOSER to perform satisfactorily, PROPOSER shall receive no additional compensation beyond that already due, and any work done shall become the property of the RMTA. In the event of a termination of work under this Agreement, the RMTA shall

review in a timely manner PROPOSER'S termination invoice and make such payment as is properly due. After receipt of a Notice of Termination for any reason other than PROPOSER'S failure to perform, PROPOSER shall submit to the AUTHORITY its termination invoice in the form and with the certification prescribed by the RMTA. Such termination invoice shall be submitted promptly, but in no event later than sixty (60) days from the effective date of termination. The termination invoice shall be restricted to payments due in accordance with this Agreement, plus extraordinary costs actually paid by PROPOSER as a direct result of such termination. However, PROPOSER shall undertake all reasonable and good faith efforts to mitigate such costs, for the RMTA's benefit. RMTA shall review in a timely manner PROPOSER'S termination invoice and make such payment as is properly due.

Upon termination of this Agreement, the RMTA is free to use any or all documents, records, reports, studies, analyses for which compensation has been paid as it desires without additional compensation to PROPOSER.

5.10 Governance

This Agreement shall be governed in all respects by the laws of the Commonwealth of Virginia and any litigation with respect thereto shall be brought in the Circuit Court of the City of Richmond, Virginia. PROPOSER shall comply with all applicable federal, state and local laws and regulations, including rules and regulations of the RMTA that have been disclosed to the PROPOSER.

If any provision of this Agreement shall to any extent be held invalid or unenforceable, the remainder of the Agreement shall not be affected.

5.11 Assignments

PROPOSER shall not assign, sublet or transfer this Agreement nor delegate its duties under this Agreement without the prior written consent of the RMTA, which consent may be withheld in the RMTA's sole discretion. This section shall be construed to include a substantial change in ownership or control of PROPOSER, including by way of illustration and without limitation, sale of all of the assets or sale of existing stock or securities and issuance of new stock or securities of PROPOSER or its parent corporation. Subject to the foregoing, this Agreement shall be binding on and inure to the benefit of the RMTA and PROPOSER, their successors and assigns.

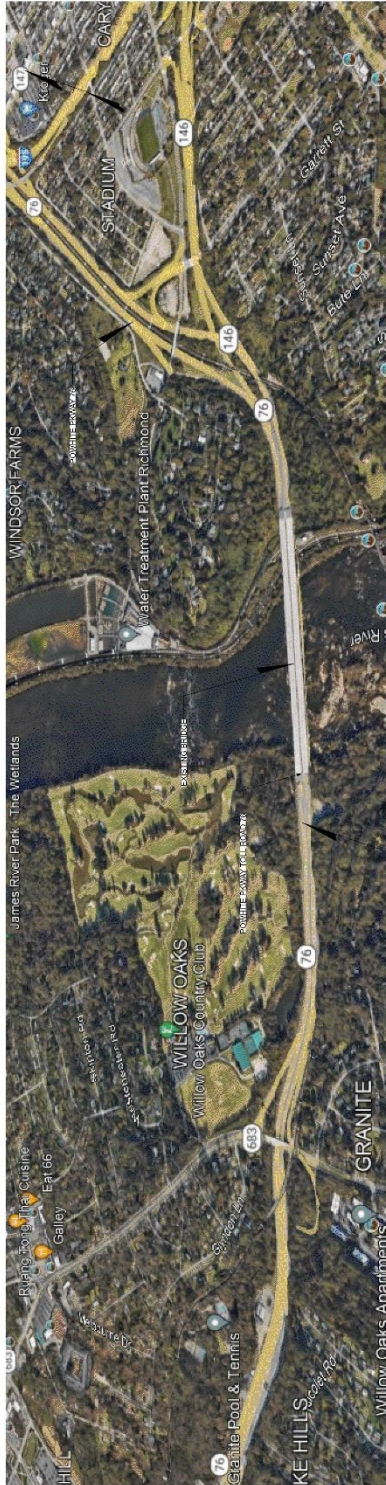
RMTA may not assign or transfer this Agreement without PROPOSER'S prior written consent, which consent shall not be unreasonably withheld, conditioned or delayed; provided that the RMTA may assign or transfer this Agreement to a governmental entity without any such prior written consent.

5.12 Taxes

RMTA shall not be liable for the payment of any taxes levied by the City, State or Federal Government against PROPOSER, and all such taxes shall be paid by PROPOSER; provided, however, should the RMTA nevertheless pay any such taxes, PROPOSER shall reimburse the RMTA, therefore.

6 Appendix

6.1 Appendix A. Design Plans



POWHITE PKWAY GANTRY LOCATION



POWHITE PKWAY GANTRY PLAN

- NOTES:
1. FOR GENERAL NOTES, SEE DRAWING S-3
 2. FOR GENERAL NOTES, SEE DRAWING S-4 & S-6
 3. FOR FOUNDATION DETAILS, SEE DRAWING S-7

		RICHMOND METROPOLITAN TRANSPORTATION AUTHORITY RMTA	
PROJECT NO.	17-01	DATE	01/11/2017
PROJECT NAME	POWHITE PKWAY GANTRY	SCALE	AS SHOWN
DESIGNER	URS	PROJECT MANAGER	URS
CHECKER	URS	PROJECT ENGINEER	URS
APPROVED	URS	PROJECT SUPERVISOR	URS
DRAWING NO. 17-01-0024		SHEET NO. 5-1	
GANTRY SITE PLAN			

GENERAL NOTES:

1. CONTRACTOR SHALL BE FAMILIAR WITH THE PROPOSED MOTION SENSITIVE TOLL EQUIPMENT TO BE MOUNTED TO THE SUPPORT STRUCTURE AND SHALL COORDINATE ALL WORK WITH THE SYSTEMS INTEGRATOR RESPONSIBLE FOR THE ERECTION OF THIS EQUIPMENT. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO MOUNTING REQUIREMENTS FOR TOLLING EQUIPMENT. ALL EQUIPMENT MOUNTING REQUIREMENTS DEPICTED WITHIN THIS CONTRACT SHALL BE VERIFIED PRIOR TO PREPARATION OF SHOP DRAWINGS.
2. OVERHEAD ETC STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING DESIGN CODES THE LATEST EDITION AS APPLICABLE:
 - A. AASHTO SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" (LTS 6) DATED 2013 AND ALL INTERIMS
 - B. VDOT GUIDELINES TO AASHTO STANDARD SPECIFICATIONS LTS 6, 2013 WITH 2015 INTERIMS
 - C. AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
 - D. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 9 EDITION (2020)
 - E. AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM).
 - F. AWS D1.1 STRUCTURAL WELDING CODE - STEEL
3. CONCRETE FOR FOOTINGS SHALL BE CLASS A3 (3500 psi)
4. REINFORCING STEEL SHALL CONFORM TO A615. GRADE 60, WITH A YIELD STRENGTH FOR DESIGN OF $f_y = 60000$ PSI. ALL SPLICES SHALL BE LAPPED AS PER BAR LAP CHARTS, SEE VDOT DESIGN GUIDELINES PART 2 CHAPTER 7, REINFORCING STEEL.
5. REINFORCING STEEL SHALL CONFORM TO A615. GRADE 60, WITH A YIELD STRENGTH FOR DESIGN OF $f_y = 60000$ psi. ALL SPLICES SHALL BE LAPPED AS PER BAR LAP CHARTS. MINIMUM CLEAR COVER FOR REINFORCING STEEL SHALL BE 2" EXCEPT FOR THE FOLLOWING LOCATIONS:

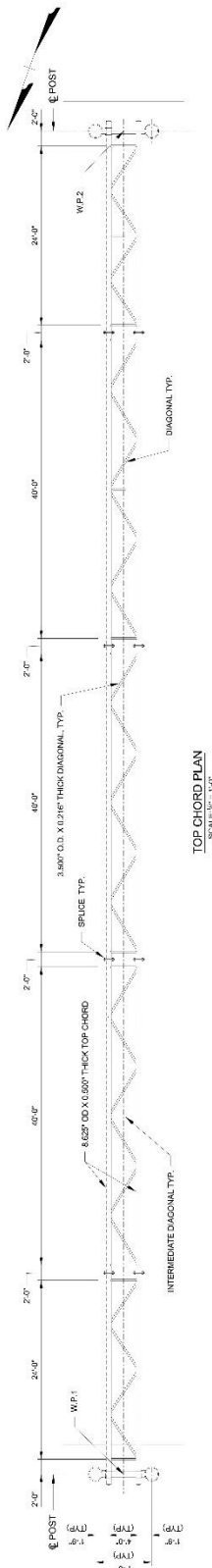
LOCATION CLEAR COVER

FOOTINGS — BOTTOM AND SIDES 3 IN.
6. ALL STRUCTURAL MAIN TUBES SHALL CONFORM TO ASTM A500, GRADE C SHALL ALSO MEET CURRENT CHARPY V NOTCH TOUGHNESS IMPACT REQUIREMENTS FOR M270, ZONE 2. ALL OTHER TUBES SHALL CONFORM TO A53 GRADE B. ALL STEEL PLATES, W SHAPES AND MISCELLANEOUS SHAPES SHALL CONFORM TO A709, GRADE 50. CHORD SPLICE MATERIAL SHALL ALSO MEET THE CHARPY V NOTCH TOUGHNESS REQUIREMENTS FOR M270. ZONE 2.
7. ALL CONNECTION BOLTS SHALL CONFORM TO ASTM F3125. GRADE A325. BOLTS OVER 1 1/2" DIAMETER SHALL CONFORM TO A449. ALL WASHERS SHALL CONFORM TO F436 AND NUTS A194. GRADE 2H. U BOLTS SHALL CONFORM TO A276. TYPE 304 (STAINLESS STEEL) OR A307. FLAT WASHERS AND HEX LOCK NUTS SHALL BE USED FOR U BOLTS. ALL ANCHOR BOLTS SHALL CONFORM TO F1554. GRADE 55 S1. ALL BOLTS SHALL HAVE A FLAT WASHER UNDER THE ELEMENT BEING TURNED.
8. OVERHEAD ETC STRUCTURE SHALL BE GALVANIZED TO CONFORM TO A123. ALL HARDWARE WITH THE EXCEPTION OF STAINLESS STEEL SHALL BE GALVANIZED TO CONFORM TO A153.
9. BASE PLATES SHALL BE IN FULL CONTACT WITH ALL FLAT WASHERS. GROUT SHALL NOT BE PLACED BETWEEN THE BASE PLATE AND CONCRETE PEDESTAL.
10. ALL WELD SIZES NOT INDICATED SHALL COMPLY WITH AWS D1.1. BRIDGE WELDING CODE.
11. FOR ELECTRONIC TOLL EQUIPMENT LAYOUT AND MOUNTING DETAILS. SEE AET DRAWINGS.
12. ANCHOR BOLTS SHALL UTILIZE A STEEL TEMPLATE TO SET AND KEEP ANCHOR BOLTS PLUMB DURING FOUNDATION CONSTRUCTION. ALL ANCHOR BOLTS SHALL BE TIGHTENED USING TURN OF NUT METHOD (30° MIN. TO 45° MAX. AFTER SNUG TIGHT). COST OF ANCHOR BOLTS, NUTS, WASHERS, AND STEEL ANCHOR PLATES ARE INCIDENTAL TO THE PRICE PAID FOR CONCRETE FOR SUPPORT STRUCTURE PEDESTALS OR GRADE BEAMS.
13. THE APPROXIMATE LOCATION OF ALL KNOWN UTILITIES IS SHOWN. THE CONTRACTOR SHALL VERIFY THE FINAL LOCATION OF ALL UTILITIES SHOWN. AND THE EXISTENCE OF ANY OTHER UNKNOWN UTILITIES. PRIOR TO THE START OF ANY CONSTRUCTION OPERATIONS.
14. Design Loads
Dead Loads:

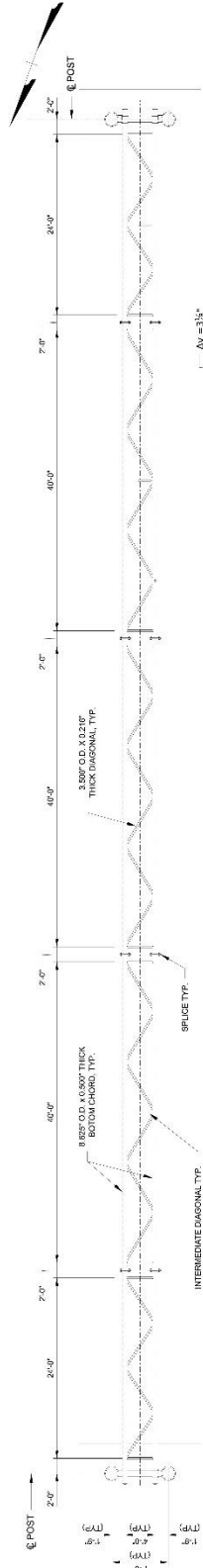
MASH CLADDING	102 LBS/100 SF, 61% VOID RATIO
CONCRETE CLADDING	121 KIPS PER TOWER

AET EQUIPMENT, SUPPORT FRAME AND PIPES (TOTAL WEIGHT FOR EACH ITEM)	
LASER SCANNER	405 LBS
VISCAM CAMERA	265 LBS
LED FLESH	233 LBS
DVAS CAMERA	40 LBS
SURVEILLANCE CAMERA	4 LBS
ANTENNA	497 LBS
AET EQUIPMENT SUPPORT FRAME	459 LBS
PIPES	12313 LBS

WIND LOADS:	
WIND SPEED	90 MPH



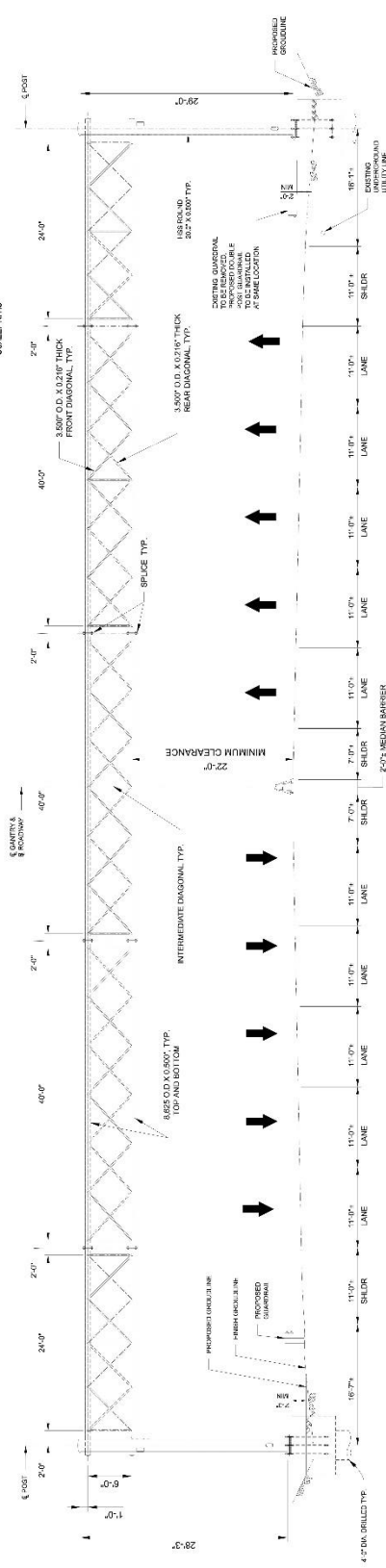
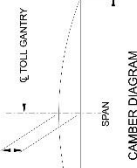
TOP CHORD PLAN
SCALE 1/4"



BOTTOM CHORD PLAN
SCALE 1/4"

WORKING POINT DATA

MARK	STATION	OFFSET	NORTHING	EASTING
WP 1	194722	50.00'	372954.06	1177321.13
WP 2	194722	90.00'	372912.08	1177335.65

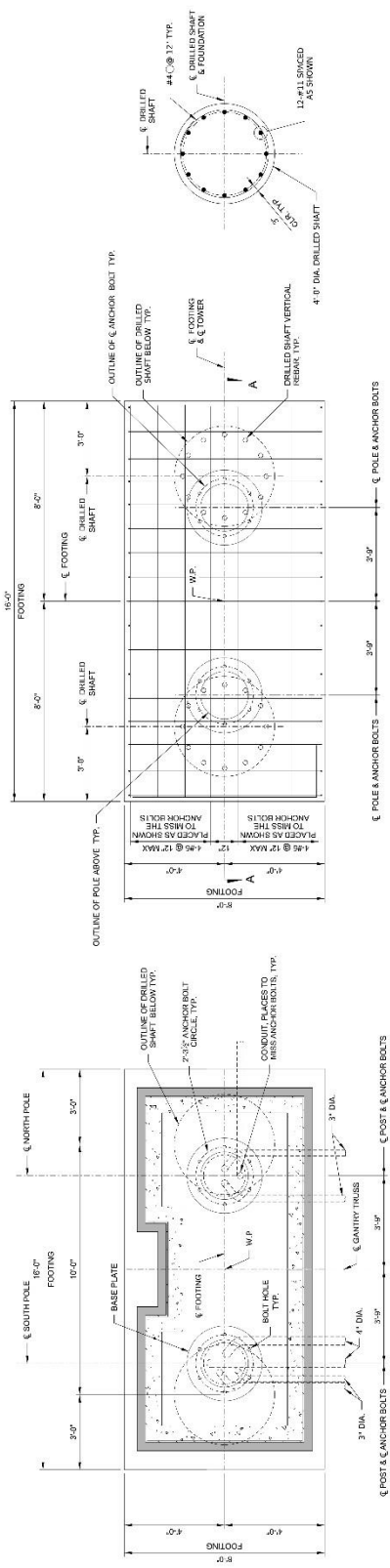


OVERHEAD GANTRY STRUCTURE ELEVATION
SCALE 1/4"

**RICHMOND METROPOLITAN
TRANSPORTATION AUTHORITY**
RMTA

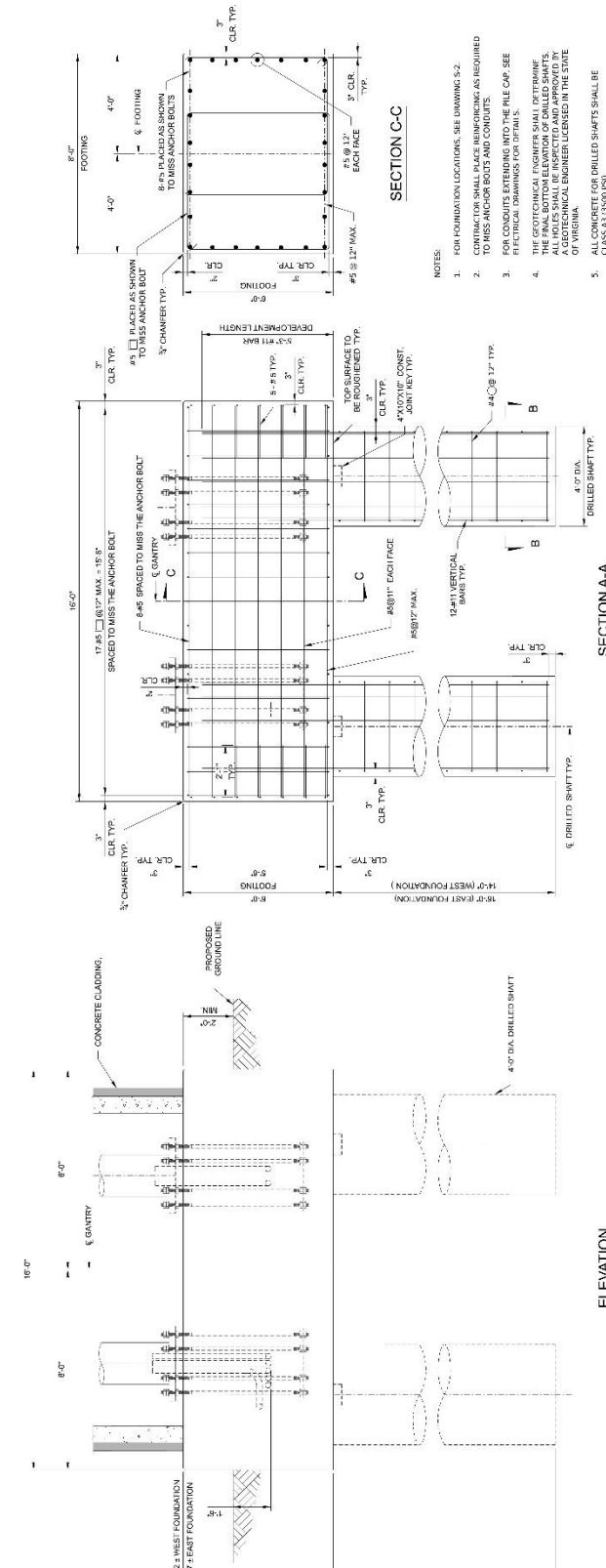
10/18/2024
8-4

GANTRY DETAILS 1



SECTION B-B

PLAN



SECTION C-C

SECTION A-A

- NOTES:
- FOR FOUNDATION LOCATIONS, SEE DRAWING S-2.
 - CONCRETE SHALL PLACE REINFORCEMENT AS REQUIRED TO MISS ANCHOR BOLTS AND CONDUITS.
 - FOR CONDUITS EXTENDING INTO THE PILE CAP, SEE DRAWING S-2.
 - THE CENTERLINE OF CONDUITS SHALL BE AT THE FINAL BOTTOM ELEVATION OF DRILLED SHAFTS. ALL HOLES SHALL BE INSPECTED AND APPROVED BY A LICENSED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF VIRGINIA.
 - ALL CONCRETE FOR DRILLED SHAFTS SHALL BE CLASS A3 (3300 PSI).

NO.	REVISION	DATE	BY	CHKD.	APP'D.
1		10/16/2024			

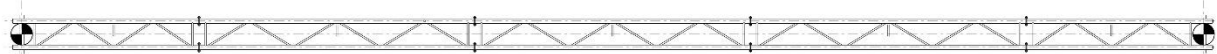
PROJECT: RICHMOND METROPOLITAN TRANSPORTATION AUTHORITY (RMTA)
 DRAWING: GANTRY FOOTING DETAILS
 SCALE: AS SHOWN
 SHEET: S-7
 TOTAL SHEETS: 8

CLIENT HNTB Corporation **PROJECT NAME** New AET Gantry-Powhite Parkway
PROJECT NUMBER ETS-24E120 **PROJECT LOCATION** Richmond, VA
DATE STARTED 5/13/24 **COMPLETED** 5/13/24 **GROUND ELEVATION** **HOLE SIZE** 3 inches
DRILLING CONTRACTOR FDI **GROUND WATER LEVELS:**
DRILLING METHOD MUD **AT TIME OF DRILLING** --- Dry
LOGGED BY S.Raut,EIT **CHECKED BY** R. Acharya, PhD, PE **AT END OF DRILLING** ---
NOTES **AFTER DRILLING** ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	▲ SPT N VALUE ▲		
								20	40	60
0		5" TOPSOIL								
		(SM) IGM, Tan brown-orange f-c silty SAND with trace clay, very dense, moist Refusal @1.75 ft	SPT 1	57	4-12-28-50/3"					>>
		(SP-SM) IGM, Tan brown-orange f-c poorly graded SAND with silt, very dense, moist	SPT 2	89	22-50/3"					>>
			SPT 3	80	30-50/4"					>>
			SPT 4	100	50/4"					>>
			SPT 5	57	14-50/1"					>>
			NR 6	0	50/2"					>>
			NR 7	0	50/2"					>>

Bottom of borehole at 20.0 feet.

BORING LOGS



B1

B2



BORING LOG LOCATION
SCALE: 1/4" = 1'-0"

**RICHMOND METROPOLITAN
TRANSPORTATION AUTHORITY
RMTA**



Engineering and Testing Services, Inc
 5226 Indian River Road
 Virginia Beach, Virginia, 23464
 Telephone: 757-306-1040
 Fax: 757-306-1042

BORING NUMBER B-2 North Bound

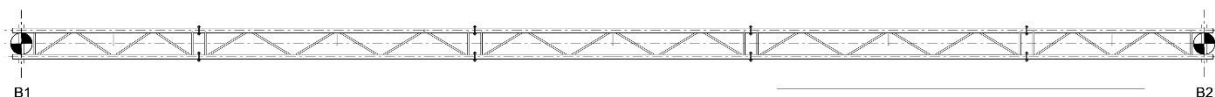
PAGE 1 OF 1

CLIENT HNTB Corporation PROJECT NAME New AET Gantry-Powhite Parkway
 PROJECT NUMBER ETS-24E120 PROJECT LOCATION Richmond, VA
 DATE STARTED 5/13/24 COMPLETED 5/13/24 GROUND ELEVATION _____ HOLE SIZE 3 inches
 DRILLING CONTRACTOR FDI GROUND WATER LEVELS:
 DRILLING METHOD MUD AT TIME OF DRILLING --- Dry
 LOGGED BY S.Raut,EIT CHECKED BY R. Acharya, PhD, PE AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	▲ SPT N VALUE ▲			
								PL	MC	LL	
								20	40	60	80
								20	40	60	80
0		3" TOPSOIL									
		(SM) IGM, Tan brown-orange f-c silty SAND with trace clay, medium dense to very dense, moist	SPT	42	1-2-9-13 (11)						
			SPT	50	15-31-41-23 (72)						
5			SPT	42	13-12-17-21 (29)						
		(SP-SM) IGM, Tan brown-orange f-c poorly graded SAND with silt, very dense, moist	SPT	100	50/3"						
			SPT	67	50/3"						
10											
		Light tan gray -white GRANITE, RQD (%) = 31.8, RMR rating= "POOR ROCK" 11.5'-13.5'- highly weathered, very soft, intensely factured, uniaxial compressive strength = 0 psi	RC	(35)							
15		13.5'-15.0'-lightly weathered, moderately hard, highly factured, average uniaxial compressive strength =5730 psi									
		Slightly Weathered moderately hard light tan gray -white GRANITE, RQD (%) = 68.8, RMR rating= "FAIR ROCK", moderately factured, average uniaxial compressive strength =6300 psi	RC	(69)							
20											

Bottom of borehole at 20.0 feet.

BORING LOGS



B1

B2



BORING LOG LOCATION
 SCALE: 1/4" = 1'-0"

RICHMOND METROPOLITAN
 TRANSPORTATION AUTHORITY
 RMTA

6.2 Appendix B. Price Proposal Form

Richmond Metropolitan Transportation Authority (RMTA)

REQUEST FOR PROPOSAL PRICE SHEET

Powhite Parkway All Electronic Toll Gantry Fabrication, Delivery & Erection



Proposer Name:	
Address 1:	
Address 2:	
City:	
State:	
Zip Code:	

Instructions: Please complete all fields in this form designated by the yellow backing. (1) Provide a single lump-sum price for all requirements identified within the RFP. (2) Complete the authorization block below and make sure it is signed by a duly authorized representative of your company. (3) Submit this printed form packaged in a separate sealed envelope, including an unaltered copy of the Excel file of this pricing sheet (down-loaded from the RMTA website) that is completed with the same company and pricing information as on the original signed paper copy.

QUOTE

Item	Description	Total Price
AET Gantry	180-Foot Clear Span Box-Girder Truss to be Fabricated from Galvanized Steel and Transported to and Erected on RMTA's Powhite Parkway in Richmond, Virginia as per the specifications within the RMTA AET Gantry Request for Proposal dated November 25, 2024.	\$ -

Length of Pricing Validity	The pricing provided in this proposal is valid for (insert number of days from submission date):	Number of Days
		XXX

Authorized Signature: _____

Name:	
Title:	
Company Name:	
Date:	

6.3 Appendix C. Acronyms/Glossary

Acronym	Description
AET	All Electronic Tolling
ALPR	Automated License Plate Recognition
BAFO	Best and Final Offer
CFO	Chief Financial Officer
CPI	Consumer Price Index
DBE	Disadvantaged Business Enterprise
DMV	Department of Motor Vehicle
DOCX	Microsoft WORD File Format
ETC	Electronic Toll Collection
FHWA	Federal Highway Administration
FOIA	Freedom of Information Act
GAAP	Generally Accepted Accounting Principles
GM	Gantry Manufacturer
IFRS	International Financial Reporting Standard
ISO	Insurance Services Office
MOT	Maintenance of Traffic
NTP	Notice to Proceed
ORT	Open Road Tolling
QC	Quality Control
PDF	Portable Document Format
RMTA	Richmond Metropolitan Transportation Authority
RFP	Request for Proposal
SCC	State Corporation Commission
SWaM	Small, Women-owned, and Minority
VDOT	Virginia Department of Transportation
XLSX	Microsoft Excel File Format