



**VIRGINIA RAILWAY EXPRESS**

**REQUEST FOR QUOTES (RFQ)**

**INFORMATION SECURITY & TECHNOLOGY (IST)  
EQUIPMENT**

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**RFQ Issued: August 13, 2025**

**Questions Due: August 20, 2025, at 10:00 A.M. Eastern Time**

**Quotes Due: September 3, 2025, at 1:00 P.M. Eastern Time**

**Contact:** Amanda Vitko, Contracts Administrator  
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**Main Office:** (703) 838-5414 **Email:** [avitko@vre.org](mailto:avitko@vre.org)

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# 1. PURPOSE/BACKGROUND

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## A. INTRODUCTION

The Virginia Railway Express (VRE) is soliciting Quotes to establish a firm-fixed unit price Purchase Order with qualified and experienced Contractors to supply information security and technology equipment.

## B. VRE BACKGROUND

1. VRE is a commuter rail service linking the District of Columbia and Northern Virginia. The Northern Virginia Transportation Commission (NVTC) and the Potomac and Rappahannock Transportation Commission (PRTC) are transportation districts established under Virginia law and jointly own this service. An Operations Board consisting of members from each of the jurisdictions within the VRE service area governs the development and operation of VRE and serves as an advisory board to the NVTC and PRTC governing boards. Use of the term VRE in this RFQ refers to NVTC and PRTC.
2. As a joint project of NVTC and PRTC, VRE will provide safe, cost effective, accessible, reliable, convenient, and comfortable commuter-oriented rail passenger service. VRE will contribute to the economic development of its member jurisdictions as an integral part of a balanced, intermodal regional transportation system.



## 2. INSTRUCTIONS FOR QUOTERS

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### A. SUBMISSION OF WRITTEN QUESTIONS

1. **Deadline:** All questions and requests for clarification regarding the meaning or interpretation of this RFQ and other solicitation documents, or any ambiguities, discrepancies, inconsistencies, or conflicts in or between any of the technical, pricing, or contractual provisions, must be submitted no later than the ***date and time specified on Page 1*** of this RFQ. Questions and clarifications requested after such time will not be answered unless VRE elects, in its sole discretion, to do so.
2. **Format for Questions:** Questions must be submitted in writing and include the related section number and title.
3. Questions must be submitted to VRE's contact in writing via electronic mail as listed on Page 1 of this RFQ. No questions or requests for additional information, clarification, or any other communication should be direct to any other individual.
4. No oral communication will be accepted. VRE will not be bound by any oral communications, or written interpretations or clarifications that are not set forth in an addendum to the RFQ.
5. Questions and responses will be posted on VRE's website at [www.vre.org](http://www.vre.org).
6. Any interpretation of the questions made by VRE will be responded to and distributed in the form of an addendum to the RFQ and will be available to all interested Quoters through VRE's website.

### B. SUBMISSION OF QUOTE

1. Quotes must be submitted no later than the ***date and time specified on Page 1*** of this RFQ.
2. The Quote shall be submitted on **ATTACHMENT 1 - QUOTE FORM** provided by VRE.
3. Quotes shall be submitted via electronic mail to VRE's contact as listed on Page 1 of this RFQ.
4. The subject line of the electronic mail shall include the RFQ title.
5. Incomplete Quotes or Quotes received after the Quote closing date and time will not be considered by VRE.

### C. AWARD

A firm-fixed unit price Purchase Order will be awarded by VRE based on the lowest total price per line item.

### D. VRE POINT OF CONTACT (POC)

VRE's Information Security and Technology Project Specialist will be the point of contact following award of a Purchase Order.



### 3. GENERAL CONDITIONS FOR QUOTERS

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#### A. BRAND NAME OR EQUAL

1. Unless otherwise provided in the solicitation, or unless the name is followed by words indicating that no substitution is permitted, the reference to a certain brand name, make, model number, or manufacturer does not restrict the offer to the specific brand, make, model number or manufacturer identified. The specific references to a brand are not intended to be restrictive of other products, but rather to be descriptive, and convey the salient characteristics of function, performance, design requirements and quality of the item described. Any item which VRE, at its sole discretion, determines to be the equal to that which is specified, considering quality, workmanship, economy of operation, and suitability for the process intended, will be accepted.
2. Whenever in the Scope of Work or specifications one or more items, trade names, or part numbers of specific manufacturers are mentioned, it is for the intent of establishing a basis of quality and durability, and though the term "or approved equal" may not be inserted, it is implied.
3. A Quoter quoting "equal" products will be considered for award if such products are clearly identified and are determined by VRE to be equal in performance and all material respects to the brand name products referenced.
4. If submitting a Quote for proposed "equal products," the Quoter must provide the manufacturer, brand or trade name, and part/catalog number of the item offered.

#### B. DESCRIPTIVE LITERATURE

1. The Quoter shall clearly and specifically identify the product being offered in **ATTACHMENT 1 – QUOTE FORM** even if quoting the exact brand name, make or manufacturer specified.
2. The Quoter shall provide sufficient descriptive literature, technical detail, etc. only if the product being offered is other than what is specified herein, to enable VRE to determine if the product offered meets the requirements of the solicitation. At a minimum, any offered product not specified in the RFQ should be represented by the manufacturer's specifications.
3. Descriptive literature is not required if offering the exact brand, make or manufacturer specified. Only the descriptive literature furnished with the Quote shall be considered in the evaluation.
4. By submission of a Quote, the Quoter certifies that the items offered meet or exceed the specifications described herein.



## 4. SCOPE OF WORK

### A. PROJECT BACKGROUND

1. VRE is performing station improvements at its Manassas Park Station. As part of the station improvements, IST equipment is required to enhance the passenger communication experience and improve the availability of real-time information at the Manassas Park Station.

### B. GENERAL REQUIREMENTS

The Contractor shall be responsible for providing all labor, supervision, equipment, material, and transportation necessary to deliver new IST equipment in accordance with the requirements specified herein.

### C. REQUIRED EQUIPMENT

The Contractor shall supply and deliver the following devices:

Item No.	Quantity	Unit of Measure	Brand Name or Approved Equal	Description	Part No.
1	2	Ea.	Cisco Meraki	48 Port Full PoE Network Switch	MS150-48FP-4X
2	2	Ea.	Cisco Meraki	5-Year License for Cisco Meraki 48 Port Network Switch	LIC-MS150-48-5Y
3	1	Ea.	Cisco Meraki	24 Port Full PoE Network Switch	MS150-24P-4X
4	1	Ea.	Cisco Meraki	5-Year License for Cisco Meraki 24 Port Network Switch	LIC-MS150-24-5Y
5	1	Ea.	Bogen	M300 2 Channel Amplifier	M300
6	3	Ea.	APC	Netshelter Rack Automatic Transfer Switch 1U, 15A	AP4450A
7	3	Ea.	APC	Smart-UPS X External Battery Pack	SMX120RMBP2U
8	5	Ea.	APC	NetShelter Switched Rack PDU, 1U	AP7900B
9	6	Ea.	Samsung	55" Full Outdoor Signage Display	OH55A-S
10	4	Ea.	Chief	G Angled Ceiling Adapter with 1.5" NPT Fitting	CMA395
11	4	Ea.	Chief	Fusion Single Pole Flat Panel Ceiling Mount for 60 to 90" Display	XCM1U
12	4	Ea.	Chief	18-24" Speed-Connect Adjustable Extension Column	CMS018024
13	4	Ea.	Premier Mounts	Flat Outdoor Mount for Samsung OH55A-S Displays	7170-0977-00
14	2	Ea.	Paige Datacom Solutions	Extended Reach Cat6 Cable, 1000' Reel	258340804
15	1	Ea.	Comprehensive Pro	AV/IT 4K UHD HDMI to HDbaseT Distribution Amplifier/ Extender	CDA-CAT14018G
16	2	Ea.	Chief	Impact Outdoor Portrait Kiosk	OLF55BP-S
17	4	Ea.	Hoffman	Compact LED Enclosure Light	CEL550LED
18	2	Ea.	Hoffman	LED Light Infeed Wire Kit	CELC3001PBUL
19	2	Ea.	Hoffman	LED Light Through Wire Kit	CELC1001TBUL
20	7	Ea.	Altelix	Fiberglass Weatherproof Vented NEMA Enclosure	NF141206VFA1-85



**D. PRODUCT SPECIFICATIONS AND SALIENT CHARACTERISTICS**

The devices purchased by the Contractor shall meet the following requirements for form, fit, and function:

Item No.	Description	Main Characteristic	Specifications	Environmental Characteristics
1	48 Port Full PoE Network Switch	<ul style="list-style-type: none"> <li>a. Managed via Cisco Meraki Dashboard</li> <li>b. Remote Packet Capture Tools via Meraki Dashboard</li> <li>c. Automatic Firmware Upgrades</li> <li>d. SNMP/Syslog Integration</li> <li>e. IPv4/6 ACL Support</li> <li>f. 802.1q VLAN Tagging</li> <li>g. Broadcast Storm Control</li> <li>h. Adaptive Policy</li> <li>i. Dynamic ARP Inspection / DHCP Snooping</li> <li>j. 2x Dedicated Stack Ports providing 80G of Stacking Bandwidth</li> <li>k. 802.1X Authentication</li> <li>l. 10/100/1000 Mbps RJ45</li> <li>m. 100M/1G/2.5G/5G mGbE RJ45</li> <li>n. Perpetual PoE and Fast PoE</li> <li>o. Static Routing</li> </ul>	<ul style="list-style-type: none"> <li>a. 1Gbe RJ45 Ports: 48</li> <li>b. 10Gbe SFP+ Ports: 4</li> <li>c. Dedicated Management Interface: 1</li> <li>d. PoE Type: 802.3bt</li> <li>e. PoE Port Budget: 30W</li> <li>f. PoE Switch Budget: 740W</li> <li>g. Stacking Ports: 2</li> <li>h. Stacking Bandwidth: 80Gbps</li> <li>i. Switching Capacity: 176Gbs</li> <li>j. Layer 3 Routing: Static Routing</li> <li>k. Power Input: 100-240VAC</li> <li>l. Power Load (idle/max): 44.6W/ 891.4W</li> <li>m. Power Supply: Fixed Internal</li> <li>n. Fan Operation: Fixed Internal</li> <li>o. Mounting: Integrated 1U Rack Mount</li> <li>p. Dimensions (h x w x d): 1.72 x 19 x 13.38in (4.4 x 48.2 x 34cm)</li> <li>q. Weight: 11.94 lbs. (5.4 kg)</li> <li>r. MA-Power Cord- US Power Cord Included</li> </ul>	<ul style="list-style-type: none"> <li>a. Operating Temperature: 32°F - 113 °F/ 0°C - 45°C</li> <li>b. Storage and Transportation Temperature: -4°F - 158 °F/-20°C - 70°C</li> <li>c. Humidity: 5% to 95%</li> </ul>
Item No.	Description	Main Characteristic	Key Features	
2	5-Year License for 48 Port Network Switch	<ul style="list-style-type: none"> <li>a. Compatible License for Cisco Meraki MS150-48FP-4X Device</li> <li>b. 5 Year License Term</li> <li>c. Integrates with Meraki Dashboard</li> <li>d. Support Included</li> </ul>	<ul style="list-style-type: none"> <li>a. Centralized Management</li> <li>b. Access Policies</li> <li>c. Change of Authorization (CoA)</li> <li>d. URL Redirect</li> <li>e. Port Isolation</li> <li>f. Wake on LAN</li> <li>g. Layer 3 Routing</li> <li>h. Equal Cost Multi-Path (ECMP)</li> </ul>	<ul style="list-style-type: none"> <li>i. Warm Spare</li> <li>j. Multicast</li> <li>k. Dynamic ARP Inspection (DAI)</li> <li>l. Quality of Service (QOS)</li> <li>m. Unidirectional Link Detection (UDLD)</li> <li>n. SwitchPort Profiles</li> </ul>

Item No.	Description	Main Characteristics	Specifications	Environmental Characteristics
3	24 Port Full PoE Network Switch	<ul style="list-style-type: none"> <li>a. Managed via Cisco Meraki Dashboard</li> <li>b. Remote Packet Capture Tools via Meraki Dashboard</li> <li>c. Automatic Firmware Upgrades</li> <li>d. SNMP/Syslog Integration</li> <li>e. IPv4/6 ACL Support</li> <li>f. 802.1q VLAN Tagging</li> <li>g. Broadcast Storm Control</li> <li>h. Adaptive Policy</li> <li>i. Dynamic ARP Inspection / DHCP Snooping</li> <li>j. 2x Dedicated Stack Ports providing 80G of Stacking Bandwidth</li> <li>k. 802.1X Authentication</li> <li>l. 10/100/1000 Mbps RJ45</li> <li>m. 100M/1G/2.5G/5G mGbE RJ45</li> <li>n. Perpetual PoE and Fast PoE</li> <li>o. Static Routing</li> </ul>	<ul style="list-style-type: none"> <li>a. 1Gbe RJ45 Ports: 24</li> <li>b. 10Gbe SFP+ Ports: 4</li> <li>c. Dedicated Management Interface: 1</li> <li>d. PoE Type: 802.3bt</li> <li>e. PoE Port Budget: 30W</li> <li>f. PoE Switch Budget: 370W</li> <li>g. Stacking Ports: 2</li> <li>h. Stacking Bandwidth: 80Gbps</li> <li>i. Switching Capacity: 128Gbs</li> <li>j. Layer 3 Routing: Static Routing</li> <li>k. Power Input: 100-240VAC</li> <li>l. Power Load (idle/max): 22.9W/422.2W</li> <li>m. Power Supply: Fixed Internal</li> <li>n. Fan Operation: Fixed Internal</li> <li>o. Mounting: Integrated 1U Rack Mount</li> <li>p. Dimensions (h x w x d): 1.72 x 19 x 9.84in (4.4 x 48.2 x 25cm)</li> <li>q. Weight: 7.94 lbs. (3.6 kg)</li> <li>r. MA-PWR-CORD-US Power Cord Included</li> </ul>	<ul style="list-style-type: none"> <li>a. Operating Temperature: 32°F - 113 °F/ 0°C - 45°C</li> <li>b. Storage and Transportation Temperature: -4°F - 158 °F/-20°C - 70°C</li> <li>c. Humidity: 5% to 95%</li> </ul>
Item No.	Description	Main Characteristics	Key Features	
4	5-Year License for 24-Port Network Switch	<ul style="list-style-type: none"> <li>a. Compatible License for Cisco Meraki MS150-24P-4X device</li> <li>b. 5 Year License Term</li> <li>c. Integrates with Meraki Dashboard</li> <li>d. Support Included</li> </ul>	<ul style="list-style-type: none"> <li>a. Centralized Management</li> <li>b. Access Policies</li> <li>c. Change of Authorization (CoA)</li> <li>d. URL Redirect</li> <li>e. Port Isolation</li> <li>f. Wake on LAN</li> <li>g. Layer 3 Routing</li> <li>h. Equal Cost Multi-Path (ECMP)</li> <li>i. Warm Spare</li> <li>j. Multicast</li> <li>k. Dynamic ARP Inspection (DAI)</li> <li>l. Quality of Service (QOS)</li> <li>m. Unidirectional Link Detection (UDLD)</li> <li>n. SwitchPort Profiles</li> </ul>	



Item No.	Description	Main Characteristics	Power Outlet	Special Features
5	2 Channel Amplifier	<ul style="list-style-type: none"> <li>a. S/N Ratio (20kHz BW): 103 dB ref. 8 ohms, F.P</li> <li>b. Class of Operation: AB</li> <li>c. Product Weight: 41 lbs.</li> <li>d. Power Bandwidth: 20 Hz to 40 kHz .5% THD</li> <li>e. Load Impedance: 4-8 ohms, 70V</li> <li>f. Minimum Load Impedance (Stereo): 3.2 ohms</li> <li>g. Frequency Response @ 1 watt: 20 Hz to 20 kHz +/- 0.25 dB</li> <li>h. AC Input Voltage Range: 95 to 130V AC, 60Hz</li> <li>i. Maximum AC Current: 12A</li> <li>j. Indicators: Status (On/Protect/Sleep), Clip/Limit, Signal</li> <li>k. Temperature Range: 15 to 105 degrees Fahrenheit</li> <li>l. Thermal Emissions: 1195 BTU/hr.</li> <li>m. Cooling: Forced Air Variable Speed Fan</li> <li>n. Physical Dimensions not including Brackets (W x H x D): 17" X 3-1/2" x 18-1/2"</li> <li>o. Protection: RF, DC, Low-frequency, Thermal, Low-Impedance, Circuit-Breaker, Short Circuit</li> </ul>	<ul style="list-style-type: none"> <li>a. 70V Mono: 600W @ 8 ohms</li> <li>b. 4-ohm: 300W per channel*</li> <li>c. 8-ohm: 200W per channel*</li> <li>d. Both channels driven at normal line voltage 120V AC, 60Hz</li> </ul>	<ul style="list-style-type: none"> <li>a. Sleep Mode</li> <li>b. Back-Slope Regulation</li> <li>c. Stereo</li> <li>d. Dual Mono</li> <li>e. 70V Mono Operation</li> <li>f. Toroidal Power Transformer</li> </ul>
		Connectors		Input Sensitivity
		<ul style="list-style-type: none"> <li>a. Power: 15A Line Cord</li> <li>b. Input: (stereo, high-impedance balanced input module w/screw terminals included) /RCA (Mono/70V mode, unbalanced)</li> <li>c. Output: 5-pin "touch-proof" Barrier Strip, RCA Pre- &amp; Post-EQ Output</li> </ul>		<ul style="list-style-type: none"> <li>a. At Backplane Connector or using Included Standard Input Module (Module set to Gain of 0 dB): 0.840V for 300W @ 4 ohms</li> </ul>



Item No.	Description	Main Characteristics	Physical Characteristics	Input Characteristics
6	Netshelter Rack Automatic Transfer Switch, 1U, 15A	<ul style="list-style-type: none"> <li>a. Integrates with APC Ecostruxure</li> <li>b. Main Input Voltage: 100 V AC 1 phase 120 V</li> <li>c. Product or Component Type: Automatic Transfer Switch</li> <li>d. Main Output Voltage: 100 V AC 1 phase 120 V</li> <li>e. Input Connection Type: NEMA 5-15P 12 A 2P+E</li> <li>f. Number of Rack Unit: 1U</li> <li>g. Cable Length: 8 ft (2.4 m)</li> <li>h. Number of Cables: 2</li> <li>i. Includes Mounting Brackets and Hardware</li> </ul>	<ul style="list-style-type: none"> <li>a. Color: Black</li> <li>b. Height: 1.73 in (4.4 cm)</li> <li>c. Width: 17.01 in (43.2 cm)</li> <li>d. Depth: 9.29 in (23.6 cm)</li> <li>e. Net Weight: 9.7 lbs. US (4.4 kg)</li> <li>f. Mounting Location: Front</li> <li>g. Mounting Mode: Rack-mounted</li> <li>h. Mounting Position: Horizontal</li> </ul>	<ul style="list-style-type: none"> <li>a. Input Frequency: 50/60 Hz</li> <li>b. Line Rated Current: 15 A</li> <li>c. Acceptable Input Voltage: 90...110 V</li> <li>d. Max Line Current: 15 A</li> <li>e. Input Current Limits: 15 A</li> <li>f. Load Capacity: 1440 VA</li> </ul>
		<b>Output Characteristics</b>	<b>Conformance</b>	<b>Environmental Characteristics</b>
		<ul style="list-style-type: none"> <li>a. Maximum Total Current Draw per Phase: 15 A</li> <li>b. Number of Power Socket Outlets: 10 NEMA 5-15R 12 A 2P+E</li> <li>c. Protection Type: Without circuit breaker</li> <li>d. Cord Length: 8.005 ft (2.44 m)</li> </ul>	<ul style="list-style-type: none"> <li>a. Product Certifications <ul style="list-style-type: none"> <li>1. PSE</li> <li>2. TÜV-C</li> <li>3. TÜV-NURTL</li> <li>4. VCCI Class A</li> </ul> </li> <li>b. Standards <ul style="list-style-type: none"> <li>1. FCC Part 15 class A</li> <li>2. ICES-003</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>a. Ambient Air Temperature for Operation: 23...113 °F (-5...45 °C)</li> <li>b. Relative Humidity: 5...95 %</li> <li>c. Operating Altitude: 0...10000 ft</li> <li>d. Ambient Air Temperature for Storage: -13...149 °F (-25...65 °C)</li> <li>e. Storage Relative Humidity: 5...95%</li> <li>f. Storage Altitude: 0...50000 ft (0...15240 m)</li> </ul>
		<b>Warranty</b>		
<ul style="list-style-type: none"> <li>a. Warranty: 2 years, repair or replace</li> </ul>				



Item No.	Description	Main Characteristics	Provided Equipment	Batteries and Runtime
7	Smart-UPS X External Battery Pack	a. Product or Component Type: Battery b. Number of Rack Unit: 2U c. Battery Type: Lead-Acid Battery	a. Installation Guide b. Rack Mounting Brackets	a. Battery Blocks per String: 10 b. Device Mounting: Enclosed Battery Cartridge c. Included Battery Modules: 0 d. Battery Slots Empty: 0 e. RBC Quantity: 2 f. Battery Voltage: 120 V g. Replacement Battery: APCRBC118
		Physical Characteristics	Environmental Characteristics	
		a. Color: Black b. Height: 3.35 in (8.5 cm) c. Width: 17.01 in (43.2 cm) d. Depth: 26.26 in (66.7 cm) e. Net Weight 124.25 lbs. (US) (56.36 kg) f. Mounting Mode: Rack-mounted	a. Ambient Air Temperature for Operation: 32...104 °F (0...40 °C) b. Relative Humidity: 0...95 % c. Operating Altitude: 0...10000 ft d. Ambient Air Temperature for Storage: 5...113 °F (-15...45 °C) e. Storage Relative Humidity: 0...95 % f. Storage Altitude: 0...50000 ft (0...15240 m)	
Item No.	Description	Main Characteristics	Provided Equipment	Specifications
8	NetShelter Switched Rack PDU, 1U	a. Color: Black b. Network Managed capabilities via EcoStruxure c. Product or Component Type: PDU d. PDU Type: Switched e. Cord Length: 12 ft (3.7 m) f. Number of Cables: 1	a. Cord Retention Bracket(s) b. Horizontal Mounting Brackets c. User Manual d. Installation Guide	a. Input Voltage: 100 V... 120 V b. Height: 1.73 in (4.4 cm) c. Width: 17.52 in (44.5 cm) d. Output Voltage: 120 V e. Depth: 4.25 in (10.8 cm) f. Net Weight: 5.004 lbs (US) (2.27 kg) g. Mounting Location: Front/ Rear h. Input Plug Type: NEMA 5-15P i. Mounting Mode: Rack-mounted j. Rack Units: 1U k. Mounting Position: Horizontal l. Line Rated Current: 12 A m. Permissible Voltage: 100...120 V n. Input Current Limits: 15 A o. Load Capacity: 1440 VA p. Input Frequency: 50/60 Hz q. Outlet Type and Quantity: 8 NEMA 5-15R
		Environmental Characteristics	Warranty	
		a. Certifications: cUL Listed UL Listed b. Standards: FCC Part 15 Class A ICES-003 c. Ambient Air Temperature for Operation: 32...113 °F (0...45 °C) d. Relative Humidity: 0...95 % e. Operating Altitude: 0...10000 ft f. Ambient Air Temperature for Storage: -13...149 °F (-25...65 °C) g. Storage Relative Humidity: 0...95 % h. Storage altitude: 0...50000 ft (0.000000000...15240.000000000 m)	a. Warranty: 2 years repair or replace	



Item No.	Description	Display	Connectivity	Power			
9	55" Full Outdoor Signage Display	<ul style="list-style-type: none"> <li>a. Diagonal Size: 55"</li> <li>b. Panel Type: VA</li> <li>c. Resolution: 1,920 x 1,080</li> <li>d. Pixel Pitch (HxV): 0.63 x 0.63</li> <li>e. Brightness (Typ): 3,500 (Peak 4,000 )</li> <li>f. Contrast Ratio: 6,000:1</li> <li>g. Viewing Angle (H/V): 178/178</li> <li>h. Response Time: 6ms</li> <li>i. Color Gamut: 72 %</li> <li>j. Glass Haze: 0 %</li> <li>k. H-Scanning Frequency: 30~136kHz(HDMI)</li> <li>l. Maximum Pixel Frequency: 594MHz(HDMI)</li> <li>m. V-Scanning Frequency: 24~75Hz(HDMI)</li> <li>n. Contrast Ratio (Dynamic): 100,000:1</li> <li>o. Operation Time Support: 24/7</li> </ul>	<ul style="list-style-type: none"> <li>a. HDMI In: 2</li> <li>b. Version of HDMI: 2</li> <li>c. Version of HDCP: 2.2</li> <li>d. USB: 1</li> <li>e. HDBaseT In Connectivity</li> <li>f. Audio Out: Stereo Mini Jack</li> <li>g. RS232 In</li> <li>h. RS232 Out</li> <li>i. RJ45 In</li> <li>j. RJ45 Out</li> </ul>	<ul style="list-style-type: none"> <li>a. Power Supply: AC100-240V 50/60Hz</li> <li>b. Power Consumption (On Mode): 530W</li> <li>c. Power Consumption (Sleep Mode): 0.5W</li> </ul>			
		<b>Environmental Conditions &amp; Operating Conditions</b>		<b>Dimensions and Weight</b>			
				<ul style="list-style-type: none"> <li>a. Operating Temperature: -30°C ~ 50°C</li> <li>b. Operating Humidity: 10 ~ 80% (non-condensing)</li> </ul>	<ul style="list-style-type: none"> <li>a. Set Dimension (WxHxD): 1260.6 x 731.4 x 85 mm</li> <li>b. Package Dimension (WxHxD): 1358 x 845 x 230 mm</li> <li>c. Set Weight: 46.1 kg</li> <li>d. Package Weight: 52.6 kg</li> </ul>		
		<b>Mechanical Specifications</b>		<b>Additional Specifications</b>		<b>Internal Player</b>	
		<ul style="list-style-type: none"> <li>a. VESA Mount: 1186 x 560 mm</li> <li>b. Bezel Width: 24.9mm (T/B/L/R)</li> <li>c. Bezel Color: Black</li> <li>d. Glass Thickness: 5T</li> <li>e. Glass Film: AG, AR, 4/λ</li> <li>f. Protection Glass</li> </ul>		<ul style="list-style-type: none"> <li>a. OS Version: Tizen 5.0</li> <li>b. Flash Memory Size: 8gb</li> <li>c. Samsung VXT Compatible</li> <li>d. IPP65 Rated</li> </ul>		<ul style="list-style-type: none"> <li>a. Processor: Cortex A72 1.7GHz Quad-Core CPU</li> <li>b. Graphics: 1.7GHz</li> <li>c. Operating System: Output Resolution-1920 x 1080</li> </ul>	



Item No.	Description	Dimensions & Measurements	Characteristics & Features
10	G Angled Ceiling Adapter with 1.5" NPT Fitting	<ul style="list-style-type: none"> <li>a. Overall Dimensions: 51" x 12" x 7"(1295.4 x 304.8 x 177.8 mm)</li> <li>b. Weight Capacity: 250 lbs (113.4 kg)</li> <li>c. Width: 3.4 in (8.6 cm)</li> <li>d. Overall Dimensions: 4.4" x 3.4" x 7.5" (111 x 86 x 191 mm)</li> <li>e. Weight Capacity: 500 lbs. (226.8 kg)</li> </ul>	<ul style="list-style-type: none"> <li>a. Adjusts from -5° to +95° to level mount from an angled ceiling</li> <li>b. Three slotted mounting holes for horizontal and vertical adjustment</li> <li>c. Accessory Type: Ceiling Plates and Adapters</li> <li>d. Application: Angled Ceiling</li> <li>e. Ceiling Plate Type: Angled</li> <li>f. Color: Black</li> <li>g. UPC: 841872163925</li> </ul>
Item No.	Description	Dimensions & Measurements	Characteristics & Features
11	Single Pole Flat Panel Ceiling Mount for 60 to 90" Displays	<ul style="list-style-type: none"> <li>a. Overall Dimensions: 51" x 12" x 7"(1295.4 x 304.8 x 177.8 mm)</li> <li>b. Weight Capacity: 250 lbs (113.4 kg)</li> </ul>	<ul style="list-style-type: none"> <li>a. Compatible with traditional 1.5" NPT and new CPA pinned ceiling plates and column systems</li> <li>b. Adjustability: Tilt</li> <li>c. Application: Ceiling</li> <li>d. Color: Black</li> <li>e. Number of Displays: 1</li> <li>f. Orientation: Landscape</li> <li>g. Post-Installation Leveling Roll</li> <li>h. Tilt: +5° and - 20°</li> <li>i. UPC: 841872159393</li> <li>j. VESA Mounting Pattern: 200 x 100 mm - 800 x 400 mm</li> </ul>
Item No.	Description	Dimensions & Measurements	Characteristics & Features
12	18-24" Speed-Connect Adjustable Extension Column	<ul style="list-style-type: none"> <li>a. Depth: 2.3 in (5.8 cm)</li> <li>b. Extension: 18" - 24" (45.72cm - 60.96cm)</li> <li>c. Height: 24 in (61 cm)</li> <li>d. Overall Dimensions: 24.0" x 2.3" x 2.3" (610 x 59 x 59 mm)</li> <li>e. Weight Capacity: 500 lbs (226.8 kg)</li> <li>f. Width: 2.3 in (5.8 cm)</li> </ul>	<ul style="list-style-type: none"> <li>a. Provides height adjustment in 1" increments</li> <li>b. Consists of 1.5" NPT column, threaded on both ends</li> <li>c. Accessory Type: Extension</li> <li>d. Application: Pole</li> <li>e. Color: Black</li> <li>f. UPC: 841872092737</li> </ul>



Item No.	Description	Specification		
13	Flat Outdoor Mount for Samsung OH55A-S Display	<ul style="list-style-type: none"> <li>a. Display Model Compatibility: Samsung OH55A-S</li> <li>b. Installation Configuration: Landscape or Portrait</li> <li>c. Suitable for Outdoor Environments</li> <li>d. Color: Black</li> <li>e. Tilt Feature: Fixed at Flat</li> <li>f. Environmental Temperature: Negative 30 Celsius to 50 Celsius, 24/7 Operation</li> <li>g. Wall Application: Solid Concrete, Hollow Brick, or 3/4" Plywood-Backed Wall</li> <li>h. Product Weight 31.5 lbs [14.4 kg]</li> </ul>		
Item No.	Description	General	Conductor	Insulation
14	Extended Reach Cat6 Cable	a. Deliver 2.5Gbps and 100W PoE up to 656 feet	<ul style="list-style-type: none"> <li>a. Material: Bare Copper</li> <li>b. Construction: Solid 22 AWG</li> </ul>	<ul style="list-style-type: none"> <li>a. Material: Ultra Low-Loss Dielectric</li> <li>b. O.D.: 0.044" nom</li> <li>c. Color Code</li> <li>d. Pair 1: White/Blue, Blue</li> <li>e. Pair 2: White/Orange, Orange</li> <li>f. Pair 3: White/Green, Green</li> <li>g. Pair 4: White/Brown, Brown</li> </ul>
		Conductor	Core Assembly	
		<ul style="list-style-type: none"> <li>a. Material: Bare Copper</li> <li>b. Construction: Solid 22 AWG</li> </ul>	a. 4 twisted pairs cabled together and fully flooded with a waterproof gel to form the main core which is then jacketed with a FRPO inner jacket.	
		Temperature Rating	Power over Ethernet Support	Put Up
		<ul style="list-style-type: none"> <li>a. Installation: -20°C to +80°C</li> <li>b. Operating: -44°C to +80°C</li> <li>c. Power over Ethernet Support</li> </ul>	a. Class 1 – 8	<ul style="list-style-type: none"> <li>a. Length: 1,000 feet reel</li> <li>b. Weight: 63 lbs</li> <li>c. Dimensions: 16" x 12" x 16"</li> </ul>
		Jackets	Electrical Properties	
		<ul style="list-style-type: none"> <li>a. Material: FRPE</li> <li>b. Inner Wall Thickness: 0.025" nom.</li> <li>c. Outer Wall Thickness: 0.025" nom</li> <li>d. Total OD: 0.380" nom.</li> <li>e. Color: Black</li> <li>f. Ripcord Under Jacket</li> </ul>	<ul style="list-style-type: none"> <li>a. Conductor Resistance: <math>\leq 6.35\Omega/100m</math></li> <li>b. Insulation Resistance: <math>\geq 5000M\Omega Km</math> (DC500V Charged 1 Min)</li> <li>c. Voltage Endurance: DC 1500V/min</li> <li>d. Mutual Capacitance: <math>\leq 7.0nF/100m</math></li> <li>e. Core-Core Resistance Unbalance: <math>\leq 5\%</math></li> <li>f. Maximum Voltage: 600V</li> <li>g. NVP: 60%</li> </ul>	



Item No.	Description	Input I/O Connections	Control I/O Connections
15	AV/IT 4K UHD HDMI to HDBaseT Distribution Amplifier/ Extender	a. 1×HDMI Type A (19-pin female)	a. 1×RS-232 (3-pin phoenix connector)
		Output	b. 1x EDID DIP switch (5-pin)
		a. 1×HDMI Type A (19-pin female)	c. 1x IR IN (3.5mm Stereo Mini-jack)
		b. 4x HDBaseT OUT (RJ45)	d. 1x IR OUT (3.5mm Stereo Mini-jack)
		c. 1x Coaxial Audio OUT (RCA)	
		d. 1x L/R Audio OUT (5-pin phoenix connector)	
		Mechanical	Power & Regulatory
		a. Construction: Metal Enclosure	a. Power Input: 12V DC 1A or 48V DC Power over Ethernet (PoE)
b. Silkscreen Color: Black	b. Power Output (RS232 port): 12V DC 0.5A		
c. Dimensions: Transmitter: 220mm (W) × 130mm (D) × 40mm (H)	c. Power Consumption: 4.5 watts (10.5 watts when using 12V on RS232 port)		
d. Receiver: 140mm (W) × 65mm (D) × 18mm (H)	d. ESD Protection: 8kV air, 4kV contact		
e. Weight: Transmitter: 853g	e. Power over Ethernet (PoE): 802.3af Alternative B		
f. Receiver: 246g	f. Regulatory: FCC, CE, RoHS Compliant		
Technical	Power Supply		
a. HDMI Compliance: HDMI 2.0b	a. Power Input: 12V DC 1A or 48V DC Power over Ethernet (PoE)		
b. HDCP Compliance: HDCP 2.2/1.x	b. Power Output (RS232 port): 12V DC 0.5A		
c. Video Bandwidth: 594MHz/18Gbps	c. Power Consumption: 4.5 watts (10.5 watts when using 12V on RS232 port)		
d. Video Resolution: Up to 4k2k@60Hz 4:4:4	d. ESD Protection: 8kV air, 4kV contact		
e. Color Depth: 8-bit,10-bit,12-bit(1080p@60Hz), 8-bit (4K2K@60Hz YUV4:4:4), 8-bit,10-bit,12-bit(4K2K@60Hz YCbCr 4:2:2/4:2:0)	e. Power over Ethernet (PoE): 802.3af Alternative B		
f. Color Space: RGB 4:4:4, YCbCr 4:4:4 / 4:2:2 / 4:2:0	f. Regulatory: FCC, CE, RoHS Compliant		
g. HDR: Support HDR, HDR10+, HLG, Dolby Vision	Package Contents		
h. HDMI Audio Formats: LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus(DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X	a. 18Gbps HDMI 1×4 HDBaseT Splitter x1		
i. Coaxial Audio Formats: PCM2.0, Dolby Digital / Plus, DTS 2.0/5.1	b. HDBaseT Receiver x4		
j. Analog Audio Formats: PCM 2.0CH	c. IR Blaster Cable (1.5 meters) x5		
k. ESD Protection: Human body model—±8kV (Air-gap discharge) & ±4kV (Contact discharge)	d. 20K~60KHz IR Receiver Cable (1.5 meters) x5		
Other Characteristics	e. 3-pin Phoenix Connector x5		
a. Diagnostic Indicators: Power and Status	f. 5-pin Phoenix Connector x1		
b. Warranty: 3 years	g. Mounting Ear x10		
	h. 24V/2.7A DC Locking Power Adapter x1		
	i. User Manual x1		



Item No.	Description	Dimensions and Measurements	Characteristics and Features
16	55" Outdoor Portrait Kiosk	<ul style="list-style-type: none"> <li>a. Overall Dimensions: 84.12" x 36.3" x 7.5" (2137 x 922 x 191 mm)</li> <li>b. Weight Capacity: 150 lbs (68 kg)</li> </ul>	<ul style="list-style-type: none"> <li>a. IP54 Rated</li> <li>b. Color: Black</li> <li>c. Compatible with Samsung OH55A-S Displays</li> <li>d. Samsung Certified</li> <li>e. Display Orientation: Portrait</li> <li>f. Outdoor Rated Paint</li> <li>g. Mounting Pattern: 1186 x 560mm</li> <li>h. Fan and Active Cooling Vents</li> <li>i. Integrated Storage</li> <li>j. ¾" Conduit Knockouts</li> <li>k. Stainless Steel Hardware</li> <li>l. AC Power Cutout</li> <li>m. Wind Rating: 140 mph</li> <li>n. Floor Mounted</li> </ul>
Item No.	Description	General Specifications	Product Attributes
17	Compact LED Enclosure Light	<ul style="list-style-type: none"> <li>a. Connection: Infeed, 2-pole. Through wiring, 2-pole</li> <li>b. Follow-up Time of the Motion Detector: 3 min.</li> <li>c. Light Color: 5300 K (neutral white)</li> <li>d. Dimensions: 396 x 33 x 40</li> <li>e. Lamp Type: LED</li> <li>f. Power Consumption: 5.1 W max.</li> <li>g. Luminosity: 550 lm</li> <li>h. Operating Temperature: -20 ... +55 °C</li> <li>i. Protection Degree: IP20</li> <li>j. Operating Voltage: 24 - 240 V (AC/DC) (+/- 10%)</li> <li>k. Protection: II / III</li> </ul>	<ul style="list-style-type: none"> <li>a. Article Number: 57266</li> <li>b. Nominal Voltage: 230V</li> <li>c. Input Voltage AC: 240V max</li> <li>d. Input Voltage DC: 24V max</li> <li>e. Hertz: 50/60Hz</li> <li>f. Connection Type: Infeed; Trough-Wiring; 2-Pole</li> <li>g. Operating Temperature: -4 to 131°F</li> <li>h. Max Power Consumption: 5.1W</li> <li>i. Material: Plastic</li> <li>j. Finish: Smooth Matte</li> <li>k. Color: Black</li> <li>l. Lamp Type: LED</li> <li>m. Light Output: 550lm</li> <li>n. Color Temperature: 5800K</li> <li>o. Light Color: Neutral White</li> <li>p. Weight: 0.55lb</li> <li>q. UPC: 783510572662</li> </ul>



Item No.	Description	Product Attributes	
18	LED Light Infeed Wire Kit	<ul style="list-style-type: none"> <li>a. Article Number: 57272</li> <li>b. Length: 118.11in</li> <li>c. Material: Plastic</li> <li>d. Finish: Smooth Matte</li> <li>e. Color: Black</li> <li>f. Nominal Voltage: 250V</li> </ul>	<ul style="list-style-type: none"> <li>g. Input Voltage AC: 250V max</li> <li>h. Operating Temperature: 140°F</li> <li>i. Weight: 0.68lb</li> <li>j. Connection Type: Infeed; Trough-Wiring; 2-PoleCable</li> <li>k. UPC:783510572723</li> </ul>
Item No.	Description	Product Attributes	
19	LED Light Through Wire Kit	<ul style="list-style-type: none"> <li>a. Article Number: 57273</li> <li>b. Length: 39.37in</li> <li>c. Product Family: IEC General Accessories</li> <li>d. Material: Plastic</li> <li>e. Finish: Smooth Matte</li> <li>f. Color: Black</li> </ul>	<ul style="list-style-type: none"> <li>g. Nominal Voltage: 250V</li> <li>h. Input Voltage AC: 250V max</li> <li>i. Operating Temperature: 140°F</li> <li>j. Weight: 0.68lb</li> <li>k. UPC:783510572730</li> </ul>
Item No.	Description	General Specifications	Technical Specifications
20	Fiberglass Weatherproof Vented NEMA Enclosure	<ul style="list-style-type: none"> <li>a. Thermostat Controlled Cooling Fan</li> <li>b. Two (2) 4" Vents with Rain Shields and Screens</li> <li>c. (4) Pre-Wired 120VAC Outlets</li> <li>d. Removable 120VAC Power Terminal Block</li> <li>e. Aluminum Equipment Mounting Plate</li> <li>f. Stainless Steel Hinge and Quick Release Latches with Padlock Hasps</li> <li>g. Fiberglass Reinforced Polyester, FRP</li> <li>h. Weatherproof, UV Stable and Highly Corrosion Resistant</li> <li>i. NEMA Type 3R, 3RX / IP24 Rated</li> <li>j. Includes Cable Glands and Stainless Steel Mounting Feet</li> <li>k. Now Includes a 1/2" Liquid-Tight Fitting for Providing Power to the Enclosure</li> <li>l. RF Transparent Enclosure</li> </ul>	<ul style="list-style-type: none"> <li>a. Material: Fiberglass Reinforced Polyester</li> <li>b. Color: Gray</li> <li>c. Voltage: 120VAC</li> <li>d. Max Load: 15A @ 120VAC</li> <li>e. Terminal Block Wire Range: 12-18 AWG</li> <li>f. Terminal Block Wire Strip Length: 6-7mm</li> <li>g. Cooling Fan Turn-On/Off Temperature: On: 85°F (30°C) ±6°F Off: 59°F (15°C) ±9°F</li> <li>h. Outer Dimensions: 15.7 x 13.8 x 8.0 inches (401 x 352 x 205 mm)</li> <li>i. Inner Dimensions: 13.0 x 11.0 x 2.7 inches (330 x 279 x 69 mm)</li> <li>j. Mounting Plate Material: 0.10 in (2.5 mm) Aluminum</li> <li>k. Mounting Plate Dimensions: 10.9 x 12.8 in. (276 x 324 mm)</li> <li>l. Weight: 12.0 lbs. (5.4 kg)</li> <li>m. Ratings: NEMA Type 3R, 3RX / IP24</li> <li>n. Flame Rating: UL94-5V</li> </ul>



## **D. DELIVERY**

1. The Contractor shall ship the IST equipment within thirty (30) consecutive calendar days or sooner of an order being placed by VRE.
2. Deliveries shall be made by the Contractor to VRE between the hours of 9:00 A.M. and 4:00 P.M. Eastern Time, Monday through Friday (excluding Federal Observed Holidays), to the following location:

VRE Crossroads Maintenance and Storage Facility  
9400 Crossroads Parkway  
Fredericksburg, VA 22408

3. Any delay in the shipping schedule shall be submitted to VRE in writing for approval.
4. If the delivery is not met by the Contractor as specified above, the order may be cancelled by VRE.
5. With each shipment to VRE, the Contractor shall include documentation listing the individual part or model number and quantity.
6. Shipments shall be FOB Destination. Therefore, the Contractor is responsible for the cost of shipping and any damage incurred in shipping is the sole responsibility of the Contractor.



## 5. SPECIAL TERMS AND CONDITIONS

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### A. TERM

The Purchase Order shall be valid for no more than sixty (60) consecutive calendar days.

### B. GENERAL PROVISIONS

The Contractor shall comply with **ATTACHMENT 2 – VRE GENERAL PROVISIONS**, as applicable to the Scope of Work.

### C. FEDERAL TRANSIT ADMINISTRATION THIRD PARTY CONTRACT PROVISIONS

This purchase is funded in whole or in part by grants from the Federal Transit Administration (FTA) of the United States Department of Transportation. Therefore, the Contractor shall comply with **ATTACHMENT 3 - FEDERAL TRANSIT ADMINISTRATION (FTA) THIRD PARTY CONTRACT PROVISIONS FOR MATERIALS & SUPPLIES**.

### D. QUOTE ACCEPTANCE PERIOD

The Quote and any modification thereof shall be binding upon the Quoter for ninety (90) consecutive calendar days following the Quote closing date. Any Quote in which the Quoter shortens the acceptance period shall be rejected, although the acceptance period may be extended by mutual agreement between VRE and the Quoter. At the end of the Quote acceptance period, the Quoter may withdraw its Quote by giving written notice to VRE.

### E. SIGNATURES

All documents requiring a signature may be executed via handwritten (manual) stamped, electronic (portable document format), photocopied, digital or scanned signature. A signed copy of the documents transmitted by any of the means listed above shall be deemed to have the same legal effect as an original executed copy.

### F. WARRANTY OF MATERIALS AND WORKMANSHIP

1. The Contractor shall warranty all labor and material provided by the Contractor pursuant to the Scope of Work and/or technical specifications for a period of one (1) year or as otherwise stated in the **PRODUCT SPECIFICATIONS AND SALIENT CHARACTERISTICS identified above in Section 4D**. The Contractor, at no expense to VRE, shall correct all defects covered by this guarantee.
2. If any portion of the work performed or material provided by the Contractor proves to be defective within the warranty period, the Contractor will be notified by VRE. Upon receipt of such notification, the Contractor shall immediately furnish VRE with instructions for the disposition of the defective part(s).
3. Within ten (10) business days from notification of the warranty claim by VRE, the Contractor shall deliver replacement parts. Prior written authorization is required from VRE for completions exceeding ten (10) business days.
4. Any material or labor applied by the Contractor to correct warranted defects shall be warranted for one (1) additional year from the date of delivery.
5. All defective parts returned to and by the Contractor for repair or replacement shall be shipped at the Contractor's sole expense.
6. The Contractor shall supply a failure analysis for any warranty failure, unless the requirement is waived in writing by VRE.
7. Repetitive failure (i.e., three (3) failures during the warranty period) of an item that was repaired by the Contractor shall be considered a breach. VRE may at its sole discretion, have the repairs made by another party, with no further notice to the Contractor, and the Contractor shall be fully liable to pay for all such third-party work.



## **G. QUALITY ASSURANCE**

Any material or part which fails to meet the requirements of the Scope of Work and/or technical specifications shall be subject to rejection and shall be replaced, or brought up to specification, free of charge, by the Contractor, if so directed by VRE.

## **H. NEW MATERIALS**

Unless noted otherwise, the Contractor shall furnish all materials required to produce the work in accordance with the Scope of Work and/or technical specifications and said materials shall meet the requirements of the Scope of Work, plans, drawings and/or specifications for the kind of applications involving their use. Only quality materials, which are generally accepted in the industry, and which conform to the requirements of the Scope of Work, plans, drawings and/or specifications, shall be used in the work.

## **I. SUBSTITUTIONS**

1. The Purchase Order is based on the materials, equipment and methods described herein that will allow for compliance with all Federal, State, and Local rules and regulations. No substitutions or cancellations shall be permitted without the written approval of VRE. VRE will consider requests for substitutions of materials, equipment and methods only when such requests are accompanied by full and complete technical data and all other information required to evaluate the proposed substitution.
2. The Contractor shall not substitute materials, equipment or methods unless VRE has specifically approved such substitutions in writing. Substitutions, if approved, shall be without any additional compensation from VRE, unless approved otherwise.



## 6. INSURANCE

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### A. GENERAL REQUIREMENTS

1. The Contractor shall secure, pay the premiums for and keep in force until the expiration of the Purchase Order, and any renewal thereof, adequate insurance as identified in the “VRE Insurance Coverage Requirements” document. Items marked “X” are required to be provided. By signing and submitting a Quote under this solicitation, the Contractor certifies if issued a Purchase Order, the Contractor will have the insurance coverage identified and described below in the VRE Insurance Coverage Requirements at the time of the issuance of a Purchase Order.
2. All required insurance coverage must be acquired from insurers that are authorized to do business in the Commonwealth of Virginia, with a rating of “A-” or better and a financial size of “Class VII” or better in the latest edition of the A.M. Best Co. Guides.
3. The Contractor shall furnish VRE proof of compliance with these insurance requirements in the form of an original Certificate of Insurance signed by an authorized representative or agent of the insurance company(ies). The Certificates of Insurance must be furnished within three (3) calendar days of the request from VRE and before any work under the Purchase Order will be allowed to commence.
4. Failure to provide the Certificate(s) when required may be cause for VRE to issue a Purchase Order to the next responsive Contractor. However, in no event shall work be performed until the required Certificate(s) of Insurance have been furnished and approved by VRE.
5. If the Contractor is furnished a written notice of cancellation from the insurance carrier, the Contractor shall provide VRE a copy of the cancellation notice within thirty (30) calendar days of receipt of the notification.
6. In no event shall the failure by VRE to receive Certificates of Insurance required hereunder, or to receive them by the date(s) required hereunder, be construed as a waiver of the Contractor’s obligation to obtain the required insurance coverages. Failure by VRE to demand any Certificate of Insurance or other evidence of full compliance with the insurance requirements set forth herein, or failure by VRE to identify a deficiency in the evidence provided, shall not be construed as a waiver of the obligation to procure or maintain the insurance required hereunder. The acceptance of shipments by VRE of any Certificate of Insurance does not constitute approval or agreement that the insurance requirements have been met or that the insurance policies identified in the Certificates of Insurance are in compliance with such requirements.



## B. VRE INSURANCE COVERAGE REQUIREMENTS

“X” denotes that coverage is required.		
Applicability	Description	Coverage
	1. Workers’ Compensation and Employer’s Liability	Limits as required by the Workers’ Compensation Act of Virginia. Employers Liability - \$1,000,000
	Admitted in Virginia	YES
	All States Endorsement	Statutory
	USL&H Endorsement	Statutory
	Voluntary Compensation	Statutory
X	2. General Liability, which shall be Commercial General Liability endorsed as broad form to include the following minimum limits: <ul style="list-style-type: none"> <li>• General Aggregate</li> <li>• Products &amp; Completed Operations Aggregate</li> <li>• Personal &amp; Advertising Injury</li> <li>• Each Occurrence</li> </ul>	\$2,000,000 \$2,000,000 \$1,000,000 \$1,000,000
X	Contractual Liability	
X	Personal Injury	
X	Independent Contractors	
	XCU Property Damage Exclusion Deleted	
	3. Automobile Liability (Coverage sufficient to cover all vehicles owned, used, or hired by the Contractor, its agents, representatives, or employees.) Minimum limits: <ul style="list-style-type: none"> <li>• Combined Single Limit</li> <li>• Medical Expense Limit</li> </ul>	\$1,000,000 \$ 5,000
	4. Professional Errors and Omissions	\$1,000,000
	5. Builder’s Risk	Purchase Order Value
	6. Installation Floater	Purchase Order Value
	7. Garage Liability	
	8. Garage Keeper’s Legal Liability	
	9. Fire Legal Liability	
	10. Railroad Protective Liability Insurance. <b>VRE shall be named as insured. The language shall read as follows:</b> “Northern Virginia Transportation Commission and the Potomac and Rappahannock Transportation Commission, together known as the Virginia Railway Express.”	\$5,000,000 per occurrence; \$10,000,000 aggregate
	11. Railroad Protective Liability Insurance. A second policy shall name the host railroad as insured. Furnish a copy of the policy to VRE, prior to entry on VRE property or any other railroad property upon which VRE operates.	\$5,000,000 per occurrence; \$10,000,000 aggregate
	12. Pollution Liability.	Purchase Order Value
X	13. VRE shall be named as <b>additional insured</b> on the General Liability Policy. This coverage is primary to all other coverage VRE may possess. <b>The language shall read as follows:</b> “Northern Virginia Transportation Commission and the Potomac and Rappahannock Transportation Commission, together known as Virginia Railway Express.”	
X	14. Best’s Guide Rating – A:VI or better or Equivalent	
X	15. The Certification must state the Request for Quotes Title	
X	16. Umbrella Liability	\$5,000,000



## 7. INVOICES

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### A. INVOICES

1. Invoices shall be submitted by the Contractor for services/goods ordered, delivered, and accepted by VRE.
2. The Contractor shall submit invoices by electronic mail to [itinvoices@vre.org](mailto:itinvoices@vre.org) and cc the project manager, Kevin Goldman at [kgoldman@vre.org](mailto:kgoldman@vre.org).
3. At a minimum, invoices shall contain the following information:
  - a. Name, address and telephone number of the Contractor
  - b. Remit to address
  - c. VRE Purchase Order Number
  - d. Invoice number
  - e. Invoice date
  - f. Description, part/model/item number, unit price, quantity, and extended price
  - g. Total invoice amount
4. If invoices fail to meet all of the above requirements, they will not be processed for payment and will result in the invoice being returned to the Contractor for correction and resubmission. VRE may request additional substantiating documentation as necessary.

### B. PAYMENT

Payment will be made upon receipt and acceptance of goods and services by VRE.



## 8. ATTACHMENTS

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The following documents are incorporated in this Request for Quotes and the resulting Purchase Order by this reference.

- A. Attachment 1 – Quote Form
- B. Attachment 2 – VRE General Provisions
- C. Attachment 3 – Federal Transit Administration (FTA) Third Party Contract Provisions for Materials & Supplies

