

**THE NEW JERSEY TURNPIKE AUTHORITY
PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT**

New Jersey Turnpike Administrative Offices
1 Turnpike Plaza
P.O. Box 5042
Woodbridge, New Jersey 07095-5042
Tel. - 732-750-5300 Ext. 8640

REQUEST FOR BID

TITLE: **TOLL COLLECTOR TOUCH SCREENS**

BID NO: **RM-156330**

DUE DATE: **05/19/2020**

TIME: **11:00 AM**

SUBMIT BIDS BEFORE THE DUE DATE AND TIME STATED ABOVE TO THE ABOVE ADDRESS

BIDDER INFORMATION (PLEASE PRINT)

NAME OF BIDDING ENTITY

ADDRESS

CITY, STATE AND ZIP CODE

E-MAIL ADDRESS

REPRESENTATIVE TO CONTACT-NAME & TITLE

TELEPHONE NO.

FEDERAL TAX I.D. NO. or TAXPAYER I.D. NO.

FAX NO

SECTION I

A. INTRODUCTION

The New Jersey Turnpike Authority (the “Authority”) was created by an act of the New Jersey Legislature in 1948, known as the New Jersey Turnpike Authority Act (as amended and supplemented, “Act”). The Act authorizes the Authority to construct, maintain, repair, and operate the New Jersey Turnpike, to collect tolls, and to issue Turnpike Revenue Bonds or Notes, subject to the approval of the Governor, payable from tolls and other revenues of the Authority. On May 27, 2003, the Act was amended to empower the Turnpike to assume all powers, rights, obligations and duties of the New Jersey Highway Authority (the “Highway Authority”), which owned and operated the Garden State Parkway and PNC Bank Arts Center. On July 9, 2003, the Authority assumed all powers, rights, obligations and duties of the Highway Authority. The Authority currently operates both the Garden State Parkway (“GSP”) and the New Jersey Turnpike (“Turnpike”) (both roads are collectively referred to herein as the (“Roadways”).

The Authority is governed by an eight member Board of Commissioners (“Board”). The Governor of New Jersey appoints each of its members and has the statutory authority to overturn an action of the Board by vetoing any Board action within 10 days of receiving the minutes of the meeting. The Board authorizes awards of all public contracts over \$100,000, except in cases where it has delegated authority to the Executive Director.

This bid solicitation is being conducted pursuant to the Authority’s enabling statute as found in *N.J.S.A. 27:23-6.1* and Executive Order number 37 (Corzine 2006) and the regulations and policies of the Authority with regard to public bid procurement.

B. BIDDER GUIDELINES/CHECKLIST

BIDS THAT FAIL TO CONFORM TO THE FOLLOWING REQUIREMENTS MAY BE REJECTED:

1. The Request for Bid (“RFB”), including specifications and related bid documents (“Bids”) must be received at or before the due date and time stated on the cover page at the following place: New Jersey Turnpike Authority, Administration Building, 1 Turnpike Plaza, Woodbridge, New Jersey 07095. **LATE BIDS WILL BE RETURNED UNOPENED. ELECTRONIC, EMAILED OR FACSIMILE BIDS WILL NOT BE ACCEPTED.** Bid opening will take place via teleconference call only. See page 6.
2. **The entity submitting a Bid (“Bidder”) must provide one original and one copy of the Bid.** The Bid must include all price information. Bid prices shall include delivery of all items F.O.B. destination or as otherwise provided. Price quotes must be firm through issuance of contract.
3. All Bid prices must be typed or written in ink. Quote the specified unit of measure. If bidding an alternate, provide detailed specifications on the exception form attached.
4. All corrections, white-outs, erasures, re-striking of type, or other forms of alteration or the appearance of alteration, to unit and/or total prices must be initialed in ink by the Bidder.
5. The Bidder must attend the mandatory site inspection at the following date(s) and time(s) if applicable:
6. **IF CHECKED, THIS RFB REQUIRES THE FOLLOWING MANDATORY DOCUMENT(S). FAILURE TO COMPLY WILL RESULT IN REJECTION OF THE BID.**
 - (a) Bid Bond, Letter of Surety or a Cashier’s Check for 10% of the amount Bid ☒
 - (b) Ownership Disclosure Statement (Exhibit C page 22 of Instruction to Bidders) ☒
 - (c) Disclosure of Investment Activities in Iran (Exhibit G page 31 of Instruction to Bidders) ☒
 - (d) Vendor Disclosure Form (Exhibit G-1 page 32 of Instruction to Bidders) ☒
7. **TO FACILITATE THE CONTRACT AWARD PROCESS, THE FOLLOWING DOCUMENTS SHOULD BE SUBMITTED WITH THE BID. IN THE EVENT THE DOCUMENTS ARE NOT SUBMITTED WITH THE BID, THEY SHALL BE SUBMITTED WITHIN THREE (3) BUSINESS DAYS FOLLOWING A VERBAL OR WRITTEN REQUEST FROM THE AUTHORITY.**
 - (a) Certification of Registration with the Secretary of State (only if non-NJ corporation) ☒
 - (b) Acknowledgement of requirement for Disclosure of Political Contributions (ELEC) ☒
 - (c) SBE/WBE/MBE Certificates and Form ☒
8. Bidder must sign the Bid ☒
9. **SEE THE AUTHORITY’S INSTRUCTION TO BIDDERS (ATTACHED) FOR A COMPLETE LIST OF THE AUTHORITY’S STANDARD CONTRACT TERMS AND CONDITIONS, AS WELL AS OTHER FORMS THAT ARE REQUIRED PRIOR TO THE AWARD OF CONTRACT(S).**

THE RECOMMENDED LOW BIDDER(S) MUST SUBMIT THE FOLLOWING CHECKED DOCUMENTS PRIOR TO CONTRACT AWARD.

- (a) Mandatory Equal Employment Opportunity Language ☒
- (b) Affirmative Action Information Sheet with Certificate or Form AA302 ☒
- (c) State Contractor Political Contributions Compliance Public Law 2005, Chapter 51 & EO 117 ☒
- (d) Notice to All Bidders of Set-Off for State Tax ☒
- (e) Insurance Certificate ☒
- (f) State of New Jersey Division of Business Registration Certificate ☒
- (g) Instruction and agreement for Direct Payment (ACH) ☒

SECTION II

A. INTENTION

1. **Sealed Bids (Paper Submission Only)** for **RM-156330** must be received at the New Jersey Turnpike Authority Administrative Offices, 1 Turnpike Plaza, Woodbridge, New Jersey 07095-5042, by the due date and time stated on the cover page of this “RFB” at which time and place said Bid will be opened and read in public.
2. Bidders mailing Bids should allow for their normal mail delivery time to ensure timely receipt of the Public Bids. **Please be advised that using an overnight/next-day delivery service does not guarantee overnight/next-day deliveries to our location. The Authority will not be responsible for any Bid not being received by the required date and time.**
3. It is the intention of the Authority to issue a Purchase Order/ “NOA” for the procurement of **TOLL COLLECTOR TOUCH SCREENS.**
4. Items purchased under this contract will be delivered as directed by the Authority.
5. The term of the contract shall be for “one year with the option to extend for two additional one-year terms at the Authority’s discretion and the vendor’s concurrence”.
6. Please contact CHRISTINE NOBLE with any questions regarding this procurement contract at NOBLE @NJTA.COM.

B. BID SHEET INSTRUCTIONS

1. Bidders must follow all instructions in this RFB and in the Instructions to Bidders issued by the Authority, and any other documents issued by the Authority in connection with this RFB (collectively, “Bid Documents”).
2. Bidders must examine the bid documents carefully before bidding and must ask the Director of Procurement and Materials Management Department (“PMM”) in writing for any interpretation or correction of any apparent ambiguity, inconsistency or apparent error therein. If necessary, an interpretation or correction to the specifications in the form of an addendum shall be issued at least three (3) days prior to the bid opening by the Director of PMM to Bidders who have obtained the Bid Documents in accordance with *N.J.A.C. 19:9-2.2(a)(3)*. **Requests for interpretation or correction shall be considered only if received at least 5 business days prior to the Bid opening date.** Please contact CHRISTINE NOBLE with any questions regarding this procurement contract at NOBLE@NJTA.COM.
3. The submission of the Bid is conclusive evidence that the Bidder is fully aware of the conditions, requirements, and details as stated in the Bid Documents. If the Bidder, prior to submitting its Bid, fails to notify the Director of PMM of the existence of an ambiguity or inconsistency in the Bid Documents, a Bid will conclusively be presumed to have been based upon the Authority’s interpretation of such ambiguity or inconsistency.

4. All erasures, interpolations or other physical changes on the Bid form shall be signed or initialed by the Bidder. Bids containing any conditions, omissions, erasure's, alterations, or items not called for in this "RFB" or irregularities of any kind, may be rejected by the Authority, in its sole discretion.
5. The Bidder shall not attach conditions, limitations or provisos to its Bid.
6. **The Authority will accept Approved Equivalent items on this Bid.** If a Bidder is basing the RFB on items other than what is specified, and wishes the items proposed to be considered as an "Approved Equivalent", the Bidder shall enter a price on the Bid sheet then submit on the Exception Form in the exact format of the line item on the RFB contained herein, the item number, an item description including manufacturers name, model number, informational brochure(s), and packaging quantities of those items that the Bidder proposes to substitute.

C. BASIS OF AWARD

1. Bidders must supply a price for every item listed. **Bids not having a price for all listed items may be rejected.**
2. Bidders must quote only one price per line item. **If a Bidder quotes multiple prices per line item, the Bid may be rejected.**
3. The Authority will purchase amounts of any given item as needed, at the sole discretion of the Authority and shall not be bound by any quantities listed. The Authority reserves the right to make reasonable increases to line item quantities.
4. All items are to be Bid FOB Destination. All shipping, handling, and other costs should be considered in the Bid price(s).
5. The Authority is tax exempt from New Jersey Sales and Excise Tax.
6. Award will be made to the lowest responsible and responsive bidder for the total line items Bid.

D. MISCELLANEOUS

1. **ELECTRONIC PAYMENT: The Vendor will be required to accept payment(s) for goods or services via automatic deposit from the Authority. NO OTHER FORM OF PAYMENT WILL BE PROVIDED. See Exhibit M in the Instructions to Bidders on the Authority's website for the required electronic payment forms: <http://www.njta.com/doing-business/goods-and-services>**

Please be advised that the public bid opening for Solicitation RM-156330 which is scheduled for May 19, 2020 at 11:00 AM will be by **CONFERENCE CALL ONLY**.

Conference call details are as follows:

Dial-in Number: (732) 293-3673

Access code: 991 483 822

For any bidder who wishes to participate, conference call access will be open 5 minutes prior to opening and remain until all bids have been read.

E. BID QUOTATION SHEET

ITEM NO.	QTY.	UOM	DESCRIPTION	UNIT PRICE	TOTAL
1.	2	EA	Evaluation - Collector Touch Screen as per attached specifications.	\$	\$
2.	2	EA	Evaluation - Collector Touch Screen Mount as per attached specifications.	\$	\$
3.	2	EA	Evaluation - MOXA 4 port device servers, model # NPort 5450 or Authority approved equivalent as per attached specifications.	\$	\$
4.	2	EA	Evaluation – Power Supply as per attached specifications.	\$	\$
5.	138	EA	Collector Touch Screen as per attached specifications.	\$	\$
6.	138	EA	Collector Touch Screen Mount as per attached specifications.	\$	\$
7.	138	EA	MOXA 4 port device server, model # NPort 5450 or Authority approved equivalent as per attached specifications	\$	\$
8.	138	EA	Power Supply as per attached specifications	\$	\$
TOTAL					\$

Number of days, after receipt of a Purchase Order, that any equipment ordered will be delivered to the Authority, fully completed and compliant with the Specifications:

_____ DAYS

ANY INQUIRIES CONCERNING THIS BID MUST BE SENT VIA EMAIL TO NOBLE@NJTA.COM

PURSUANT TO N.J.A.C. 19:9-2.2 (a)(3), Addenda will be distributed and posted on the Authority's website at least three days prior to the bid opening.

NEW JERSEY TURNPIKE AUTHORITY

**Very truly yours,
Dale Barnfield, Director
Procurement and Materials Management**

_____/_____
Name of Company / Authorized Signature of Bidder

F. SIGNATURE PAGE

1. **ADDENDA / INQUIRIES:** COMPLETE (if applicable) BEFORE SUBMITTING BID:
Receipt of Addendum / Inquiries # _____ dated _____ is hereby acknowledged.
Receipt of Addendum / Inquiries # _____ dated _____ is hereby acknowledged.

☐ **CHECK BOX IF NO ADDENDA/INQUIRY ISSUED**

(All Addenda / Inquiries must be acknowledged as indicated above.)

2. **BID IRREVOCABLE:** This offer shall be irrevocable for ninety (90) working days after the date on which the Authority publicly opens this Bid except in those instances where an unsuccessful Bidder has filed a bid protest pursuant to *N.J.A.C. 19:9-2.12*. Upon notification of a protest, Bidders are required to hold their prices for an additional 90 days. All Bidders will be notified in writing of the action taken by the Authority.
3. **OFFER/CERTIFICATION:** The undersigned offers and agrees to furnish to the New Jersey Turnpike Authority the services and/or materials in compliance with all terms, conditions, specifications and addenda of the RFB, Bid Documents, and resulting contract. The undersigned further certifies understanding and compliance with the requirements of the standard terms and conditions as stated in the Instructions to Bidders included with the Bid Documents. The undersigned certifies that he or she executes this Bid with full authority so to do; and that all statements contained in this Bid and in this certification are true and correct, and made with full knowledge that the Authority relies upon the truth of the statements contained herein and in any statements requested by the Authority showing evidence of qualifications in awarding the contract.

I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

4. **AUTHORIZED SIGNATURE:** _____

Print Name and Title: _____

Bidder: _____

Address: _____

City, State, Zip: _____

E-mail address: _____

Telephone #: _____ Fax: # _____

Date: _____

SECTION III

A. SPECIFICATIONS

1. PURPOSE AND INTENT

The New Jersey Turnpike Authority (the Authority) has issued a Request for Bid (RFB) to identify and purchase Collector Touchscreen Toll Terminals for use on the Garden State Parkway (GSP) and the New Jersey Turnpike (TPK). These units will be installed on the toll booth countertop in the Manual Toll Collection lanes and will be used to process vehicle transactions. The items to be provided as part of this RFB are as follows:

1. Collector Touchscreen Toll Terminal.
2. Mount/Stand to install the Collector Touchscreen Toll Terminal on the booth countertop.
3. Serial Device Interface Server (MOXA NPort 5450-T).
4. Chassis Mount Power Supply (will be used to power both the Collector Touchscreen Toll Terminal and the Serial Device Interface Server).

There are several challenges with integrating a replacement touchscreen into an existing toll collection system, including ease of use, environmental conditions, sunlight variations, system compatibility, and space constraints. The specifications attempt to account for all challenges, however the vendor shall be mindful of the environment when proposing a suitable system. Figure 1 (page 15) shows a typical Toll Booth countertop with Toll Collection equipment installed; note the Touchscreen Terminal is mounted in the center of the countertop.

An additional challenge is integrating the Collector Touchscreen Toll Terminal into the Authority's existing toll collection system. To resolve this challenge the Authority has designed and fabricated an Interface Control Box, which will be used to provide power and communication interface to the Toll Booth's countertop equipment (including Touchscreen). The Interface Control Box has been designed with the MOXA NPort 5450-T as the serial interface to the lane peripherals. As a result, the Authority is requesting that the vendor supply the MOXA NPort 5450-T as the "Serial Device Interface Server" in the bid for line item #3 and #7. If the vendor proposes an alternate solution it must be listed on the EXCEPTIONS page, the specifications must match the MOXA NPort 5450-T, and the unit must pass the product evaluation (listed below). The Authority will manufacture and assemble one (1) Interface Control Box for every Touchscreen received using the "Serial Device Interface Server" (line item #3 and #7) and the Chassis Mount Power Supply (line item #4 and #8) that will be supplied by the vendor as part of this bid. A block diagram of the Interface Control Box is included on Figure 2 (page 16), however the vendor will have no other responsibility with this device.

The Authority requires a "Product Evaluation" to ensure that the bidder's proposed solution will integrate into the existing Toll Collection System without software modifications to the Lane Controller computer and the Touchscreen interface. To complete the Evaluation the Authority will purchase two (2) pieces of each item included in the bid. These items are identified on the bid sheet as items #1 to #4. Once received the Authority will complete a physical inspection (including product specification sheet) of all equipment for adherence to specifications. The Authority will then connect and test a unit to ensure functionality and verify that software changes will not be required. If there are any issues the Authority will contact the vendor to resolve, then make an evaluation if the balance of equipment included in the RFB will be purchased.

The complete product specifications are listed as follows.

2. COLLECTOR TOUCH SCREEN TERMINAL

a. Computer Specifications

- i. CPU – The CPU shall be Intel Atom processor: E3845 1.91 GHz or E3826 1.46 GHz or approved equal. INTEL processors are preferred; if an INTEL processor is not included in the bid it must be listed as an exception.
- ii. Graphics Controller - The Graphics Controller shall be Intel HD Graphics or approved equal.
- iii. System Memory - (pre-installed) – The system shall come with at least 8GB DDR3L System Memory such as DDR3L or approved equal.
- iv. Operating System (pre-installed) – The Operating System shall be WINDOWS10 such as WIN10 Enterprise 2016 LTSC, Windows 10 Pro 64-bit, or Windows 10 Embedded IOT Ent 2016 LTSC Entry 64-bit. A software license must be provided for each Collector Touch Screen Terminal and we must have the ability to reload the Operating System, if needed.
- v. Storage (pre-installed) – The system storage shall be at least 64GB and shall be a solid-state device, such as SSD or a CFast Card.

b. Computer Interface Specifications

- i. Ethernet Ports – The system shall have two (2) Auto-sensing 10/100/1000 Mbps ports with RJ45 interface connection.
- ii. USB 2.0 – The system shall have at least two (2) USB 2.0 hosts, type-A connectors.
- iii. Port Connections - The Collector Touchscreen Toll Terminal must not have any port or power connections facing in the UP direction due to concerns of water leaking. All port or power connections shall face in the DOWN or SIDE direction (preferably Right-Hand Side).
- iv. Any additional interface connections (i.e. serial) must have the ability to be disabled by software or a cover plate (or plug) available to block access to un-used ports.

c. Display Specifications

- i. Active Display Area – The Active Display Area shall be at least 245 mm (H) x 184 mm (V) mm (9.65” H x 7.24” V).
- ii. Aspect Ratio – The Aspect Ratio shall be 4:3.
- iii. Contrast Ratio – The Contrast Ratio shall be at least 700:1.
- iv. Max. No. of Colors - 16.2M (8-bit/color) or better.
- v. LCD Panel Display - The panel type shall be type TN or better.
- vi. Pixel Pitch - 0.240 (H) x 0.240 (V) mm.
- vii. Display Resolution – shall be at least 1024 x 768.
- viii. Response Time – The Response Time shall be 5 ms (gray to gray) or better.
- ix. Viewing Angles – shall be 160°/140° or better.

d. Touchscreen Function Specifications

- i. Touch Type – The Touchscreen Function shall be Capacitive Touch (PCAP).
- ii. Touch Support Points – The Touch Support Points shall be 4 points or better and must be capable of finger operation without the use of a stylus.
- iii. The touch screen interface must have the ability to be used by an operator wearing gloves (Glove Support).

e. Electrical Specifications

- i. Input Voltage – The Collector Touchscreen Toll Terminal shall be powered from a 12VDC or a 24VDC Chassis Mount power supply with terminal lugs (to power additional devices) that will be provided by the vendor. Power Supply specifications are listed in Section 5.
- ii. Power Consumption – The Collector Touchscreen Toll Terminal shall have a maximum power consumption of 45W.
- iii. Power connection – compatible terminal block must be provided for connecting input power.
- iv. The Collector Touchscreen Toll Terminal must be UL listed (or approved equivalent certification).

f. Physical Specifications

- i. Housing Type – The enclosure housing shall be Metal (preferred) or high impact plastic or high impact rubber.
- ii. IP Rating – The enclosure must have an IP Rating of IP66 or greater.
- iii. System LED Indicators – The System shall have LED indicators for Power ON (green), Power OFF (red) and LAN connection (amber) or approved indicator equivalent.
- iv. Dimensions – The enclosure dimensions shall be 300mm (H) x 240mm (V) x 64 mm (D) (11.9” x 9.5 x 2.5 in.). The Authority will allow a tolerance of +/- 15% provided that the Active Display area identified in Section 1. c. i (Active Display Area) is maintained.
- v. Weight – The unit weight shall not exceed 8 lb. and must be capable of being supported by the vendor provided mount.
- vi. Mounting – The enclosure must be compatible with a VESA 75 x 75mm or a 100 x 100mm mounting holes and shall be rear mounting.
- vii. The Collector Touchscreen Toll Terminal must have a bar code indicating the unit serial number and a separate bar code indicating the model number or product description.

g. Environmental Specifications

- i. Operating Temperature – The Collector Touchscreen Toll Terminal shall be able to operate within a temperature range of at least -17° C to 55° C (0° F to 131°F).
- ii. Ambient Relative Humidity - The Collector Touchscreen Toll Terminal shall be able to operate within a Relative Humidity range of 5 to 95% (non-condensing).

- iii. The Collector Touchscreen Toll Terminal must be self-contained (no fans) to reduce dirt infiltration.
- iv. The Collector Touchscreen Toll Terminal must be shock and vibration resistant.
- h. Warranty and Repairs
 - i. Warranty Period – The warranty on the LCD screen shall be at least 1 year, and the warranty on the system shall be at least 3 years.
 - ii. Life Cycle – The vendor shall ensure that the all products in this RFB are available for at least seven (7) years.
 - iii. Shipping Costs – the Vendor shall pay shipping costs for purchases and all warranty returns. All material will ship to the Turnpike Authority's Central Services Facility location in Woodbridge, NJ.
 - iv. Repair Period – The Vendor shall provide failure analysis of all returned items within (10) business days of receipt and shall provide warranty repairs within (30) days of receipt. If this is not possible due to a material shortage the Vendor shall notify the Turnpike Authority's ITS Department prior to the (30) day period expiration with explanation and lead time.

3. MOUNT/STAND

a. Physical Specifications

- i. Description - The Collector Touchscreen Toll Terminal Mount/Stand shall be a single monitor, free standing mount with ergonomic viewing height adjustment, that is suitable for mounting the Collector Touchscreen Toll Terminal.
- ii. Assembly - The Mount/Stand shall be easy to assemble (or pre-assembled) and shall Include cable management to keep cords clean and organized.
- iii. Base Dimensions – The dimensions of the Mount/Stand base shall be 381 mm W x 292 mm D (15" W x 11.5" D). The Authority will allow a tolerance of +/- 15% if it still supports the Collector Touchscreen Toll Terminal.
- iv. Adjustable Height – The Mount/Stand shall be capable of height adjustment along a center pole from 4". to 18" above countertop level.
- v. Mounting and Viewing Angles - The Mount/Stand shall be capable of Full Articulation with an adjustable bracket that offers at least 15° tilt, 45° swivel, 360° rotation, and shall allow for mounting in portrait or landscape orientations.
- vi. Mounting Plate - The Mounting plate must match the back of the Collector Touchscreen Toll Terminal and allow for easy mounting. All mounting Hardware must be included.
- vii. Material (stand and base) – The Mount/Stand shall be made of Metal, powder coated, black or approved equivalent.
- viii. The basis for design of the Mount/Stand is the VIVO Stand-V001H Monitor Table Stand.

4. SERIAL DEVICE INTERFACE SERVER

a. General Specifications

- i. The vendor shall provide a MOXA NPORT 5450-T Serial Device Interface Server with the touch screen for interface to the equipment. The MOXA NPORT 5450-T Serial Device Interface Server has been fully qualified by the Authority for this purpose and is requested as part of this RFB. If the vendor offers an “approved equal” the Authority will be required to test a single unit to determine if it is compatible to the equipment without software modifications.
- ii. Physical Dimensions - the physical dimensions (footprint) of the Serial Device Interface Server shall be 158mm x 103mm x 33mm (6.22” x 4.06” x 1.3”). The Authority will allow a tolerance of +/- 15% to these dimensions.
- iii. Mounting – Mounting brackets (or ears) must be included with the Serial Device Interface Server for surface mounting into the Interface Box Assembly.
- iv. Communications – The Serial Device Interface Server shall have four (4) ports with DB-9 male connectors, and shall support RS-232, RS-422, and RS-485 serial standards.
- v. Adjustable Termination and Pull High/Low Resistors– The Serial Device Interface Server shall have adjustable termination and pull high/low resistors for RS-485 applications to prevent reflection of serial signals.
- vi. Input Power Specifications – The Serial Device Interface Server shall operate from a +12VDC or a +24VDC power source (to be provided by vendor). The input current parameters shall be 350mA @ 12 VDC. The power connector shall be a removable terminal block or similar method and will be provided with the unit. The unit shall be UL listed (or approved equivalent certification).
- vii. Environmental Specifications – The Serial Device Interface Server shall have an operating temperature range of -40° C to 75° C (-40° F to 167°F). The Collector Touchscreen Toll Terminal shall be able to operate within a Relative Humidity range of 5 to 95% (non-condensing).
- viii. Warranty Period - The manufacturer’s warranty is acceptable provided it is at least three (3) years and it must be transferred to the Authority so in-warranty failures can be sent directly to the Manufacturer.
- ix. Basis for Design - The basis for design is the MOXA NPort 5450-T.

5. CHASSIS MOUNT POWER SUPPLY

a. General Specifications

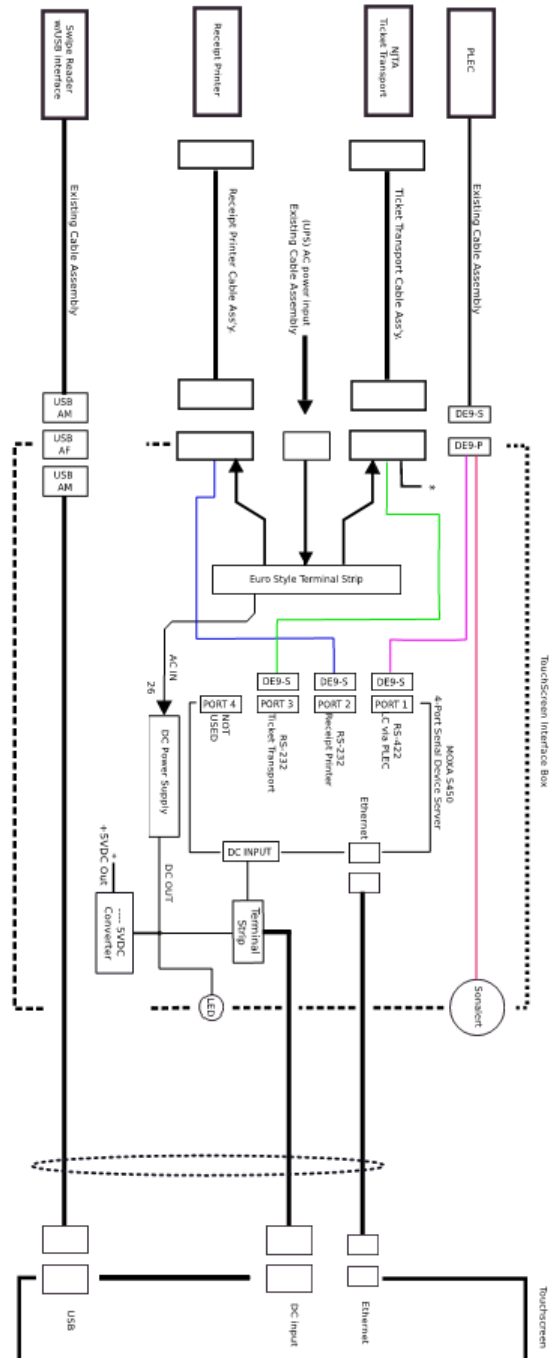
- i. The vendor shall supply a Chassis Mount Power Supply with each Collector Touchscreen Toll Terminal. The Authority will surface mount this chassis power supply into an Interface Box to provide power to both the Collector Touchscreen Toll Terminal and the Serial Interface Device Server.
- ii. Input Power - The available input power for the chassis mount power supply will be a 120 VAC, UPS and generator protected circuit.
- iii. Output Power – the chassis mount power supply shall provide output power of 12VDC with a rated current of 5A. The vendor can change the power supply output to a 24VDC device with a rated current of 5A if 24VDC is required for the Collector Touchscreen Toll Terminal.
- iv. Output Lugs – The Chassis Mount Power Supply shall be equipped with output terminal lugs (or similar), so the supply can be used to power multiple devices.
- v. Physical Dimensions – the physical dimensions (footprint) of the chassis mount power supply shall be 99mm L x 97mm W x 30mm H (3.9” x 3.82” x 1.2”). The Authority will allow a tolerance of +/- 15% to these dimensions.
- vi. Operating Temperature – the Chassis Mount Power Supply shall be able to operate at temperatures up to 70° C.
- vii. Warranty Period – The manufacturer’s warranty is acceptable provided it is at least one (1) year and it must be transferred to the Authority so in-warranty failures can be sent directly to the Manufacturer.
- viii. Basis for Design - The basis for design is the Meanwell 75W Switching Power Supply, Model # LRS-75-12.

6. ATTACHMENTS

Figure 1 – Typical Booth Countertop



Figure 2 – Interface Control Assembly (block diagram)



7. DELIVERY DATE

All bidders **must** list on their “Bid Quotation Sheet” in the space specified the number of days (e.g. 20, 40, 60, etc. after receipt of purchase order) that all equipment will be delivered to the Authority fully completed and fully compliant with the specifications. A **specific** number of days **must** be listed. Under **no** circumstances shall bidders give approximate dates or ranges of dates to deliver such as: 20 days to 40 days. **FAILURE TO FOLLOW THESE GUIDELINES MAY RESULT IN REJECTION OF BID.**

8. CONFIRMATION OF ORDER

Once the Vendor receives the purchase order via email from the Authority’s representative, the Vendor shall have a maximum of ten (10) days to **verify in writing** to the Authority that the equipment has been placed on order with the manufacturer of said equipment. **FAILURE TO FOLLOW THESE GUIDELINES MAY RESULT IN REJECTION OF PURCHASE ORDER AND AWARD TO THE NEXT LOWEST RESPONSIBLE BIDDER.**

B. EXCEPTION FORM

Bidders may list proposed equivalent items below for consideration by the Authority, and should include the item number, item description, manufacturer's name, model number and packaging quantities of those items which the Bidder proposes to substitute. Bidders may not use this form to attach conditions, limitations, or other provisos to their bid. Please be advised that any proposed equivalent or other exceptions that are deemed to be a material deviation from the specifications shall be a mandatory cause for rejection of the bid.

[illegible]

Delivery Date Exception

Warranty Date Exception

Vendor's Name

Signature of Vendor Responsible Officer_____

Date _____

SECTION IV

NO RESPONSE BID SURVEY

BID REQUISITION NUMBER: RM-156330

PROPOSAL TITLE: TOLL COLLECTOR TOUCH SCREENS

If you do not choose to respond to this Bid, please complete this form and email to NOBLE@NJTA.COM.

Name of Company_____

Reason you did not respond (Check all that apply)

_____ Cannot supply product or service

_____ Cannot meet technical specifications

_____ Cannot meet delivery specifications

_____ Cannot meet legal requirements
(i.e. Bid/performance/security/insurance, etc.)

_____ Cannot provide a competitive price at this time

_____ Interested in receiving specifications for informational purposes only

_____ Insufficient lead time to respond

_____ Other:(please be specific) _____

Do you wish to remain on our mailing list?

_____ Yes

_____ No

Additional comments: _____

Signed :(optional)_____

Company:_____

Notice Of Electronic Bidding

In an effort to make the bid solicitation process more efficient and cost effective for both vendors and the “Authority”, the “PMM” Department has adopted an electronic bidding process for the majority of its public bids. Receipt of bids via the electronic format will be required for designated procurement contracts. For these contracts, notifications, including advertisement to bidders, will state bids that will **only** be received electronically. The mandatory electronic bidding on selected contracts will commence in the spring of 2020.

In those instances, where electronic bids are required, the bidder must submit the bids to **bidexpress.com**. It is recommended that all vendors become familiar with the process to prepare for the Authority contracts that require electronic submission. All electronic bidders must **register on bidexpress.com and create a Free “Digital ID”** to the vendor and may take up to five (5) business days to process and an additional 48 hours once approved by Bid Express before bid submittal, the Authority recommends that a Digital ID be processed in advance, should a Digital ID not be established at the time of bid submission, electronic submittal may not be possible.

In lieu of paying the overnight delivery costs, Bid Express charges a fee of \$25.00 on a pay-per solicitation basis. Alternatively, you can participate in Bid Express’ monthly subscription (\$50.00) program (nationally) for unlimited electronic bid submission to all entities that post solicitations on the **bidexpress.com** website which gets daily email notifications by your companies commodity codes. Furthermore, Bid Express provides alerts to errors and omissions and not being able to submit an incomplete or inaccurate bid. Bid Express also has an optional electronic bid bond submission program, which the bid express team can guide you along with assistance from your insurance carrier; this service shall verify accurate bid bond submittal.

For additional information on electronic bidding and FAQs, go to the <https://bidexpress.com> or contact the Bid Express team toll free at (888) 352-2439 (select option 1).

NEW JERSEY TURNPIKE AUTHORITY
DRAFT AGREEMENT
TOLL COLLECTOR TOUCH SCREENS
RM-156330

THIS AGREEMENT, dated _____, by and between the New Jersey Turnpike Authority, a body corporate and politic of the State of New Jersey having its principal office at One Turnpike Plaza, Woodbridge, New Jersey 07095 (the “Authority”) and _____ a corporation of the State of New Jersey, having principal offices located _____ (the “Contractor”).

WITNESSETH, that the said Contractor, for and in consideration of the payments hereinafter specified, hereby covenants, and agrees to furnish the labor, materials, equipment, and insurance to provide for the services of _____ specified in this Agreement in strict conformance with Specifications attached hereto and made a part hereof. Defined terms used herein carry the same meaning as defined in the Specifications.

The term of the Agreement shall commence on the date of the Purchase Order and terminate one (1) year therefrom, unless earlier terminated as provided in the Specifications. The Authority may opt, at its sole discretion, to renew this Agreement for two (2) additional one (1) year terms.

STRICT LIABILITY INDEMNITY ☐

OR

NEGLIGENCE BASED INDEMNITY ☐

In consideration of the premises, the Authority hereby agrees to pay, as sole compensation for the performance of the Project, payments for the actual quantity of authorized work performed, as provided in the Specifications, at the prices for the Scheduled Items of Work in the Proposal.

This Agreement is to be binding upon the Authority, its successor or successors, and upon the Contractor and its heirs, executor, administrators, successor or successors, and is voidable and may be terminated by the Authority, in accordance with the terms of the Specifications, or upon violation by the Contractor of any statute relative thereto.

IN WITNESS WHEREOF, the parties have caused their duly authorized representatives to execute this agreement and to affix their respective corporate seals thereto on the day and year first above written.

ATTEST:

NEW JERSEY TURNPIKE AUTHORITY

Kim Schurman
Secretary to the Authority

BY _____
John M. Keller
Executive Director

[Corporate Seal]

ATTEST:

Company Name

Name / Title

BY _____
Name / Title

[Corporate Seal]