



REQUEST FOR QUALIFICATIONS (RFQ) O-01218

FOR

INTELLIGENT TRANSPORTATION SYSTEMS (ITS) NETWORK SUPPORT SERVICES

RFQ Issue Date: 12/17/18

RFQ Response Due Date: 01/04/19

RESPONSIBLE DEPARTMENT

Shari Callahan
IT Manager

PROCUREMENT DEPARTMENT

Man Le, PMP
Procurement Manager
1104 East Twiggs Street, Suite 300
Tampa, Florida 33602
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Attachment A ~ Network Inventory

Attachment B ~ Control Room Diagram

Attachment C ~ Roadside Equipment Diagram

I. INTRODUCTION

The Tampa Hillsborough Expressway Authority (THEA) is seeking a qualified firm to provide Intelligent Transportation Systems (ITS) network support services. The firm will provide a wide variety of network services that include but are not limited to: network configuration, analysis, management, security, monitoring, troubleshooting, ITS hardware, wireless telecommunications support, and ITS device integration.

A. GENERAL REQUIREMENTS

The purpose of this RFQ is to procure a firm with qualified technical personnel to perform the duties and responsibilities assigned under the terms of this scope of services. The firm shall minimize to the extent possible, THEA's need to apply its own resources to assignments authorized by THEA under this service. The firm shall provide personnel technically certified and capable to perform the tasks and services required.

THEA shall request firm services on an as-needed basis. These services can be on-call, onsite, or remote. There is no guarantee that any or all of the services described in this scope will be assigned during the term of this agreement. Further, the firm is providing these services on a nonexclusive basis. THEA, at its option, may elect to have any of the services set forth herein performed by other firms or THEA staff.

The firm will be tasked with providing support regarding the THEA's ITS/Operations Network. A major portion of the work is anticipated to be assisting THEA's staff with their ITS network in an effort to ensure all sources available, including but not limited to, those which can provide traffic videos, travel time information, congestion information, traffic incident management coordination, motorist information and other relevant data, are providing this data to all required transit partners.

The services of this contract will pertain to THEA's Reversible Express Lanes ITS Network Roadside equipment. The firm will encounter equipment listed, but not limited to, those in:

Attachment A ~ Network Inventory

Attachment B ~ Control Room Diagram

Attachment C ~ Roadside Equipment Diagram

B. INITIATION

Services to be provided by the firm will be initiated and completed as directed by THEA's Project Manager for each assignment authorized under this contract. Such specific assignments shall be clearly defined by a Task Work Order which shall document the specific work to be performed, the products and services to be provided, the agreement of staffing, the task schedule, and the task cost and method of compensation.

II. SCOPE OF SERVICES

1. The following types of work elements may be assigned under the terms of this agreement:

A. NETWORK SUPPORT

The firm will assist THEA personnel in various aspects of ITS/Operations network support to include but not be limited to the following areas of expertise. The person proposed to be the Network System Architect for this contract must be able to demonstrate experience with the protocols, routing, bandwidth management and the following specific elements:

- **Network Configuration** – A background of experience in the following protocols which are commonly found within Florida ITS networks and currently or anticipated to be used on the THEA's ITS networks: Internet Group Management Protocol (IGMP), Open Shortest Path First Protocol (OSPF), Single-Spanning Tree Protocol (S-STP), Bootstrap Router (BSR), PIM Sparse Mode (SM), BGP IPv4, Multiprotocol Label Switching (MPLS), Latency, Broadcast, EDP/TCP.
- **Network Management** – A background in the protocols listed above as well as industry standard network management software platforms is required. Experience in Design and configuration with Layer 1, 2 and 3 in OSI Model, .net, and multicast videos.
- **Network Security** – Knowledge of the WatchGuard Firewall appliances as these are currently in use on THEA's ITS/Operations and Admin networks. Experience with multiple Antivirus protection solutions. Knowledgeable in industry standard policy and procedures for all aspects of mobile device security.
- **Network Troubleshooting** – Able to troubleshoot and correct network issues from the Traffic Management Center (TMC) head end and field device locations. Previous experience with troubleshooting head end equipment such as Ruggedcom switches, video decoders, multiplexers, etc... as well as common ITS devices such as Dynamic Message Signs (DMS), Closed Circuit Television (CCTV) cameras, Microwave Vehicle Detectors (MVDS), Roadside Weather Information Systems (RWIS), BlueToad and Bluetooth travel time devices. Experience with Jupiter controllers and decoders for Video Wall. Experience with Virtual environments and storage area networks.
- **New Technology** - Responsible for recommending new technologies and new devices and software of all kinds of leading edge technology. This includes, but is not limited to Connected Vehicle Technologies such as Siemens Road Side Units (RSU) and multi-firm On Board Units (OBU).

B. MONITORING

Firm must have an established 24/7 Network Monitoring System with Failure Notification Systems which is capable of developing management reports. Firm must provide a helpdesk ticket system for all trained operators and staff to utilize to track and document all changes, repairs, etc. to ITS/Operations Network and roadside equipment.

C. HARDWARE AND WIRELESS TELECOMMUNICATIONS

Firm must have experience with single mode long haul communications, fiber optic cable communications, data wired and wireless communications and connections. The firm must have experience with fiber testing/splicing, performing spectrum analysis, and design of wireless network communications links.

D. ENDPOINT EQUIPMENT / FIELD DEVICES

Firm shall provide personnel experienced and available to assist with Windows and Linux servers, switches, programmable Logic Controllers and all network equipment. Support to maintain functionality and network connectivity and any other projects designated by the THEA Project Manager. Firm shall provide personnel that can develop custom reports from helpdesk and applicable data bases.

E. DESKTOP/LAPTOP/MOBILE DEVICES

Firm shall provide personnel experienced and available to assist with all software applications utilized on this network and to work with additional firms skilled in other network aspects. Firm shall provide personnel experienced and available to work with additional firms on desktop, server, and firewall maintenance.

2. ROLES AND RESPONSIBILITIES

This section describes the roles and responsibilities of THEA's Project Manager and the firm. This section is meant to be an overview and is not meant to be all-inclusive or limiting. THEA may, at its discretion, add, delete, or revise the responsibilities of both THEA's Project Manager and the firm.

The firm will begin the services upon receiving an executed Task Work Order from THEA. The firm shall work closely with the THEA's Project Manager who will be responsible for the overall supervision of this project.

The firm's Project Manager, management personnel, supervisor, operations personnel and other staff fall under the responsibility of THEA's Project Manager. THEA's Project Manager is the authority responsible for managing the fulfillment of contractual obligations between the firm and THEA. The firm and firm's staff shall have the technical and performance experience needed for this type of work. The firm's staff shall exercise sound judgment in carrying out their duties and conduct themselves in a manner that will reflect favorably upon THEA and other involved agencies.

3. COORDINATION WITH THEA

All aspects of this service and/or of each authorization or task will be coordinated through the THEA's Project Manager (or his/her designee). The Project Manager will be responsible for all work being performed under this contract and approving all invoices.

Services to be provided by the firm will be initiated and completed as directed by THEA's Project Manager or designee. The Project Manager shall furnish the firm an executed Task Work

Order outlining the scope of services to be performed, the fees, and schedule. No payment for work performed shall be made to the firm until a Task Work Order has been executed.

All authorizations and approvals shall be in writing and executed by THEA prior to the commencement of work.

THEA's Project Manager for this project is Shari Callahan, IT Manager located at: 1104 E. Twiggs St. Suite 300, Tampa, FL 33602

4. **RESPONSIBILITIES OF THEA**

THEA will furnish and/or provide access, without cost to the firm, the following services and data relevant to the firm's scope of services:

- Provide all criteria and full information as to THEA's requirements for firm's services including objectives, constraints, budgetary limitations, and time restraints.
- THEA's policies, procedures, standards, and forms.
- Facilitate meetings with applicable THEA staff.
- Conduct reviews of the various phases of the firm's activities. Reviews will be conducted to determine compliance with this contract. The firm shall cooperate with and assist the THEA's Project Manager in conducting these reviews.

5. **RESPONSIBILITIES OF THE FIRM**

The firm shall provide the following services including management, administrative, and all technical services required by the contract. All firm activities are required to be tracked and documented.

The firm will provide THEA with a Project Manager for the life of the contract. Any changes to the firm's Project Manager or any of the other indicated personnel in charge of the work shall be subject to review and approval.

The firm will provide staff and hourly rates for the following positions that are required by this project in the Price Proposal Form:

Project Manager	\$	/hr.
Network System Architect	\$	/hr.
Senior Technician	\$	/hr.
Remote Services	\$	/hr.
Administrative	\$	/hr.

The firm will provide their staff OR consultants at hourly rates for the following positions that are required by this project:

Technician	\$	/hr.
Developer (Website)	\$	/hr.
Developer (other)	\$	/hr.

The firm will provide staff descriptions and qualifications and current resumes for the above positions required or their equivalent.

The firm will provide their own transportation to and from all Operations Network locations which are all located within a 15 mile radius of downtown Tampa.

The firm will provide THEA with Remote Services consisting of technical assistance or advice provided via telephone and/or remote computer session. This service will be calculated in 15 min intervals as per industry standards (inclusive of all the labor cost, incidentals, consumable supplies, tools, overhead, profit, taxes, insurance and other fringe benefits).

The firm will provide THEA with continuous 24/7 electronic monitoring of all critical equipment and 8/5 monitoring of all equipment deemed non-critical per safety standards for reversible roadways. The firm will be expected to respond within 1 hour for critical equipment and 1 hour call back with a 4 hour on-site response for all non-critical equipment. The firm will be expected to respond within a reasonable amount of time per industry standard depending on the scale and severity of system event or failure. Action will be taken by the firm per direction from THEA's Project Manager.

The firm will provide notification of a system failure via email and/or text notification. Firm will provide and host a web accessible trouble ticket system. The firm will provide THEA with Monthly Monitoring Reports and detail of device health.

6. PROJECT MANAGEMENT

The firm shall be responsible for all activities necessary to effectively manage this project. The services to be provided by the firm can be divided into major task groups as follows:

The firm's Project Manager will meet on a monthly basis with THEA's Project Manager and discuss tasks completed during the previous period, task assignments for the current period and one-month "look ahead" schedule. The firm shall provide summary minutes within three (3) working days after each meeting for review and approval by THEA.

The firm's Project Manager shall be responsible for notifying THEA and/or THEA's Project Manager (or his/her designee) of any and all emergencies and problems.

The firm's Project Manager shall be available to meet with THEA's Project Manager (or his/her designee) at a mutually convenient time for both parties during regular business hours to discuss work requirements prior to the firm assuming the responsibilities of this project. This time spent shall not be billable to the THEA.

If during the term of this project, a new Project Manager is to be employed by the firm, this individual shall be available to meet with THEA's Project Manager (or his/her designee) at a mutually convenient time for both parties during regular business hours to discuss work requirements prior to the firm's new Project Manager assuming the responsibilities of this project. This time spent shall not be billable to THEA.

Project management consists of all work necessary to provide for the general management, public outreach, oversight, quality control and administration of all contract activities and support personnel. In general, the project management activities include:

- Provide oversight of all work performed under this contract.
- Prepare and submit monthly invoices and progress reports
- Track project budget and provide monthly updates, status of work and cost summaries.
- Administer a resource allocation plan, ensure that the appropriate resources are available and provide periodic task schedules for the project.
- Provide adequate staff and resources for all tasks and activities throughout the duration of the contract.
- Ensure the firm's staff has the required qualifications and all background check documentation is available to be submitted to and approved by THEA if so requested.
- Firm shall add appropriate measures to protect all equipment which may cause harm to THEA's network.
- Maintain records and documentation as required to support the overall operations of the TMC base and the ITS Network. Firm will be required to furnish upon request any documentation for THEA to inspect and review.
- Provide oversight and management of all THEA approved sub-contractors utilized by the firm for this project.
- Participate in monthly progress meetings with THEA staff to discuss the current task list. Produce meeting minutes for all meetings.
- Cooperate and coordinate with all contractors and firms working for THEA.
- Assist with the inventory database for all equipment residing within the TMC and on the roadside and all equipment necessary for operation of the ITS Network.
- Ensure that all deliverables are delivered to, reviewed, and approved by THEA.

7. CONFIGURATION MANAGEMENT

The firm shall maintain a configuration management file per the guidelines of the FDOT configuration management program. At a minimum, this file shall include current and historical configuration details for all network inventory accessed, used or managed by the firm. The firm shall provide to the project manager an up to date list of all user names and passwords for each device/equipment. The configuration management file shall include up to date drawings showing:

- High level, system-wide communications diagram
- Local or master hub wiring diagrams showing entrance/exit points, patch panels, and point to point connections with media type for power, communications and control.

III. INSTRUCTIONS TO FIRMS

1. The Authority must receive all submittals at the locations stated below, **not later than 2:00 PM Eastern on January 4, 2019**. Any submittal received after the stated time and date shall not be considered. It shall be the sole responsibility of the firm to have its package delivered to the Authority by U.S. Mail, hand delivery, or any other method available to them; however, facsimile or telegraphic submittals will not be accepted. Delay in delivery shall not be the

responsibility of the Authority. Submittals received after the deadline shall not be considered, and may be returned only at the firm's expense.

2. Each firm shall examine all documents and shall determine all matters relating to the interpretation of such documents.
3. Type size shall not be less than 10 point font. The proposal shall be indexed and all pages sequentially numbered. All pages and appendices/attachments must be firmly bound or stapled.
4. One (1) original, four (4) signed copies and one (1) electronic CD/USB copy of the submittal must be delivered to the Authority's Procurement Department in one package, clearly marked on the outside, "Request for Qualifications O-01218 for ITS Network Support Services for the Tampa Hillsborough County Expressway Authority," with date sent or delivered to:

Man Le ~ Procurement Manager
1104 East Twiggs Street, Suite 300
Tampa, FL 33602

5. The Authority shall not be liable for any expenses incurred in the preparation of the proposals.
6. The Authority reserves the right to accept or reject any or all proposals, to waive irregularities and technicalities, and to request resubmission or to re-advertise for all or any part of the services. The Authority shall be the sole judge of the submittals and the resulting negotiated agreement that is in the Authority's best interest, and the Authority's decision shall be final.
7. Joint proposals will not be accepted.
8. The successful firm shall be required to execute an agreement, in form and content acceptable to the Authority, indemnifying and holding harmless the Authority, its officials, officers, employees, and agents from all claims.
9. **Firms, their agents, or associates shall refrain from contacting or soliciting any Authority staff or members of the Board directly or indirectly regarding this RFQ during the selection process. Failure to comply with this provision may result in the disqualification of the firm. All requests for clarification or additional information should be made in writing via email to: Man.Le@tampa-xway.com**

IV. QUALIFICATIONS:

This RFQ shall include, but not be limited to, responses to the following requirements:

1. **Transmittal Letter**, summarizing the key points in the RFQ which is signed by an officer of the firm who is responsible for committing the firm's resources. The letter should include the following (Five (5) page limit):

- a. Name of the firm submitting the proposal
- b. Name and title of the individual with responsibility for this response and to whom matters regarding the RFQ should be directed
- c. Mailing address
- d. Telephone and e-mail address of the firm's primary contact
- e. Brief narrative of the firm's qualifications to provide these services to the Authority.
- f. Brief narrative of the firm's key personnel qualifications specifically to this project to provide these services to the Authority.

2. **Organizational Chart** – attach an organizational chart that includes the following:

Identify key members of firm's team specifically including the following team members:

- i. Project Manager
 - ii. Network System Architect
 - iii. Senior Technician
 - iv. Administrative (as applicable)
 - v. Technician
 - vi. Developer (website)
 - vii. Developer (other)
- State firm name for key members of Firm's team (if from a sub-consultant);
 - Denote if firm or sub-consultant firms are a SBE;
 - State office location (city and state) for key members of the firm's team.

Only those members of the team who will **actively** participate under the potential work assignments should be included. Individuals who would be available on an "as-needed" basis should be omitted.

A maximum of 1 page will be allowed for the "Organization Chart" element. The Organizational Chart may be submitted on paper sized larger than 8½" x 11" if folded neatly to 8½" x 11."

3. **Approach to Providing Services**

Provide the firm's approach to the work to be performed, projected workload of the team, controls for maintaining quality services and approach for maintaining staff consistency and items described in this RFQ.

A maximum of 5 pages will be allowed for the narrative responses to "Approach to Providing Services" element.

4. Complete all required forms (EXHIBITS A – C).
5. Provide three (3) references, with contact information, of similar work in the past five (5) years.

V. SELECTION PROCESS

The selection process for this RFQ will consist of the following.

EVALUATION CRITERIA:

The Response Packages will be scored by the Evaluation Committee. The maximum points to be earned in the Evaluation are one hundred (100) points per evaluator.

The following evaluation criteria will be used to determine the best qualified firms:

	EVALUATION CRITERIA	Maximum Point Value
1.	<u>Qualifications and Experience of the Firm (Firm/Team):</u> Evaluation based on firm's qualifications of firm, history, size, experience, references, resources available, locations of firm resources, etc.	30
2.	<u>Qualifications and Experience of Key Personnel:</u> Evaluation (credentials/expertise/experience) of Project Manager and other key individuals who are specifically licensed and/or certified to perform and/or oversee the work detailed in the Scope of Services and staff who will be directly assigned to perform on this Project.	30
3.	<u>Approach to Project:</u> Evaluation of firm's approach to the work to performed, projected workload of the team, controls for maintaining quality services and approach for maintain staff consistency and items described in the RFQ.	20
4.	<u>Price Proposal:</u> Points for price based on percentage. Firm's score shall be assigned based on the percentage difference of the Firm's price from the lowest price.	20
	TOTAL:	100

FINAL SELECTION:

The firm with the highest scores, based on the Evaluation Committee's evaluation, will be presented to the Authority's Board for consideration and approval with a recommendation that the highest-ranked firm be selected on the date, time and at the location stated for the Board Approval of Final Ranking and Award of Contract referenced in the Timetable. Firms are not required to attend; however, the meeting is open to the public. The Authority's Board has the right to correct any errors in the evaluation and selection process that may have been made. The Authority is not obligated to award the contract and the Authority's Board may decide to reject all proposals.

After approval of the final ranking of the firm and award of the contract by the Authority's Board, the results will be posted no later than the date at the locations stated for the "Posting of Notice of Board Approval of Final Ranking and Award of Contract" referenced in the Timetable.

VI. TIMETABLE

EVENT	DATE/TIME
Release of RFQ	December 7, 2018
Non-Mandatory Pre-Bid Conference	December 14, 2018 @ 9 a.m.
Deadline for Questions/Request for Clarification	December 27, 2018
Deadline for THEA to respond to firm's questions	December 28, 2018
Proposal Package Due Date/Time (Deadline) <i>Location:</i> Transportation Management Center (TMC) 1104 East Twiggs Street, Suite 300 Tampa, FL 33602 Public Opening of Proposals (Firms not required to attend, however, the opening is open to the public.)	January 4, 2019 by 2 p.m. EST
Evaluation Committee Meets for Final Ranking @ TMC, 3 rd floor Conference Room	January 10, 2019 @ 10:00 a.m.
Post Notice of Intended Ranking to the Authority's website and Demandstar.	January 11, 2019
Board Approval of Final Ranking & Award of Contract @ TMC, Board Room	January 28, 2019 @ 1:30 p.m.
Posting of Notice of Board Approval & Award of Contract to the Authority's website and Demandstar.	January 29, 2019

VII. SELECTION AWARD

After the Authority has evaluated the written proposals they may or may not require presentations of the top ranked firms. After the evaluation is completed, the Authority's selection committee will make a recommendation to the Board.

VIII. TERMS AND CONDITIONS

The Authority reserves the right to reject all proposals, any proposal not conforming to this Request for Qualifications, and to waive any irregularity or informality with respect to any proposal. The Authority further, reserves the right to request clarification of information submitted and to request additional information from one or more firms.

The Authority requires that the firm selected will not discriminate under the contract against any person in accordance with federal, state, and local governments' regulations. The Authority requires the firm selected make an affirmative statement to the effect that their retention shall not result in conflict of interests with respect to the Authority.

The Authority requires that the firm make an affirmative statement to the effect that they have not contacted, or attempted to contact, any member of the Board, or Authority staff, except as expressly permitted in the RFQ.

IX. STATEMENT ON PUBLIC ENTITY CRIMES

Failure of the firm to certify the firm as free from any "public entity crime" as defined in the Florida Statutes, Subsection 287.133 shall result in rejection or disqualification of your proposal. (See Exhibit A)

X. DRUG-FREE WORKPLACE

Failure of the firm to certify the firm as a drug-free workplace in accordance with Florida Statutes, Subsection 287.087 shall result in rejection or disqualification of your proposal. (See Exhibit B).

XI. PRICE PROPOSAL FORM (See Exhibit C).

EXHIBIT A

SWORN STATEMENT UNDER SECTION 287.133 (3)(a) FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

1. This sworn statement is submitted by _____ as
_____ of
_____ whose business address is
_____ and (if applicable) its
Federal Employer Identification Number (FEIN) is _____.
2. I understand that a “public entity crime” as defined in Section 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity in Florida or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
3. I understand that “convicted” or “conviction” as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
4. I understand that “affiliate” as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
 - A. A predecessor or successor of a person convicted of a public entity crime; or
 - B. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm’s length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
6. Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members or agents who are active in the management of _____, the entity, nor any affiliate of the entity have been convicted of a public entity crime subsequent to July 1, 1989.

By

Date

STATE OF
COUNTY OF

The foregoing instrument was acknowledged before me this _____ day of _____, 20____, by _____ who is personally known to me or who produced a _____ as identification and who did take an oath.

Notary Public

My commission expires:

EXHIBIT B

DRUG-FREE WORKPLACE FORM

The undersigned firm, in accordance with Florida Status 287.087 hereby certifies that
_____ does:

Name of Business

1. Publish a statement of notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in Paragraph 1.
4. In the statement specified in paragraph 1, notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employees will abide by the terms of a statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Florida Statute 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction of, or require the satisfactory participation in a drug abuse assistance or rehabilitation program is such is available in the employee's community, by any employee who is convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs 1 thru 5.

As the person authorized to sign this statement, I certify that this firm complies with the above requirements.

Firm's Signature

Date

EXHIBIT C

PRICE PROPOSAL FORM

(Print this page on Firm's letterhead)

Date: _____

Tampa Hillsborough Expressway Authority
1104 East Twiggs Street, Suite 300
Tampa, FL 33602

Subject: ITS Network Support Services RFQ O-01218

Having carefully examined the RFQ Instructions and Submittal Documents, Supplementary Instructions, Technical Specifications, of the above subject project, as well as the premises and the conditions affecting the work, the undersigned proposes the following hourly rates in this Price Proposal Form.

Rates for the following:

Project Manager	\$_____/hr.
System Architect	\$_____/hr.
Senior Technician	\$_____/hr.
Remote Services	\$_____/hr.
Administrative	\$_____/hr.
Technician	\$_____/hr.
Developer (Website)	\$_____/hr.
Developer (other)	\$_____/hr.

The undersigned firm agrees to keep this offer open for acceptance for One Hundred Twenty (120) days after date of opening the Price Proposals.

The signer of this Price Proposal Form hereby declares that the only person, persons, company or parties interested in this Proposal as principals are named herein, that this Proposal is made without connection with any other person, persons, company or parties submitting a proposal; and that it is in all respects fair and in good faith, without collusion or fraud.

The signer of this Price Proposal Form hereby declares that the firm or agents, officers or employees thereof have not either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action, in restraint of free competitive bidding in connection with the submitted. The signer of this Proposal hereby warrants that they are duly authorized to sign and bind on behalf of the firm.

BY: _____	_____
Signature	Name Printed
_____	_____
Name of Company	Title
_____	_____
Street Address of Company	State of Incorporation

City, State, Zip of Company	

(Company Telephone Number)	(Corporate Seal)

NOTE: If Firm is a corporation, indicate the State of Incorporation under the signature; and if a partnership, give full name of all parties.

NOTE: The person signing for the Firm shall in his/her own handwriting, sign the Company's name, his/her own name and his/her title. Where the person signing for a corporation is other than the President or Vice-President, he/she must by affidavit, show his/her authority to bind the Company. Said affidavit shall be attached to this Price Proposal Form.

[END OF PRICE PROPOSAL FORM]

Exhibit A ~ Network Inventory

As-Built Plan Sheet	Cabinet Name	Location	Existing Equipment	Manufacturer	Model	Serial	Connected ITS Devices
I-5	CCTV 101	Nebraska & Twigg	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	610601206 HK00071140	CAM 101 618-VS01
I-6	CCTV 102	Meridian & Jackson	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529256 HK00061140	CAM 102 618-VS01
I-7	CCTV 103	Meridian & Twigg	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529234 HK03731302	CAM 103 VMS MER-VS02
I-7	CCTV 104	Twigg East of TMC	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529229 HK01321235	CAM 104 VMS-DT-C01
I-8	CCTV 105	bet FDOT pier 2 & 3 Downtown "little" bridge	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529255 HK01281235	CAM 105 VMS 618-VW03
I-11	CCTV 106	FDOT pier 21 Downtown "little" bridge	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529247 HK01441124	CAM 106
I-13	CCTV 107	bet FDOT pier 35 & 36 Downtown "little" bridge	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5732140 HK01291235	CAM 107
I-115	CCTV 108	west end of 34th St ramp	Layer 2 Managed Switch Video Encoder Video Encoder	Garretcom Teleste Teleste	Magnum 6k16V MPC-D1 MPC-D1	5529233 HK02821322 HK01301235	CAM 108 VMS 618-DE04 VMS 618-VE04
I-17	CCTV 109	east end of 34th St ramp	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529240 HK00041140	CAM 109
I-22	CCTV 110	bet FDOT pier 34 & 35 "big" bridge	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529240 HK00041140	CAM 110
I-25	CCTV 111	FDOT pier 61 "big" bridge	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	55292541 HK00551121	CAM 111
I-29	CCTV 112	bet FDOT pier 86 & 87 "big" bridge	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529252 HK00541121	CAM 112
I-32	CCTV 113	FDOT pier 110 "big" bridge	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529251 HK00081140	CAM 113
I-35	CCTV 114	middle of 78th St ramps	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5707258 HK00591331	CAM 114 VMS 618-DW05
I-36	CCTV 115	east end of 78th St ramps	Layer 2 Managed Switch Video Encoder	Garretcom VBrick	Magnum 6k16V 9170-4200-0002	5529254 3020500281	CAM 115
I-38	CCTV 116	west end of Rte 301 ramp	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529248 HK02831322	CAM 116
I-38	CCTV 117	WB Mainline near Rte 301 gates	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529242 HK03711302	CAM 117 VMS 618-DE06
I-44	CCTV 118	Falkenburg Entrance	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529237 HK01311235	CAM 118
I-51	CCTV 119	west end of Brandon ramp	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529238 HK01431124	CAM 119
I-51	CCTV 120	Brandon Pkwy & Town Center Blvd	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529243 HK00581331	CAM 120 VMS 618-DW07
I-52	CCTV 121	Town Center Blvd north of Brandon Gateway	Layer 2 Managed Switch Video Encoder	Garretcom VBrick	Magnum 6k16V 9170-4200-0002	610601207 3020500530	CAM 121
I-53	CCTV 122	Town Center Blvd south of Brandon Gateway	Layer 2 Managed Switch Video Encoder	Garretcom Teleste	Magnum 6k16V MPC-D1	5529249 HK03751302	CAM 122

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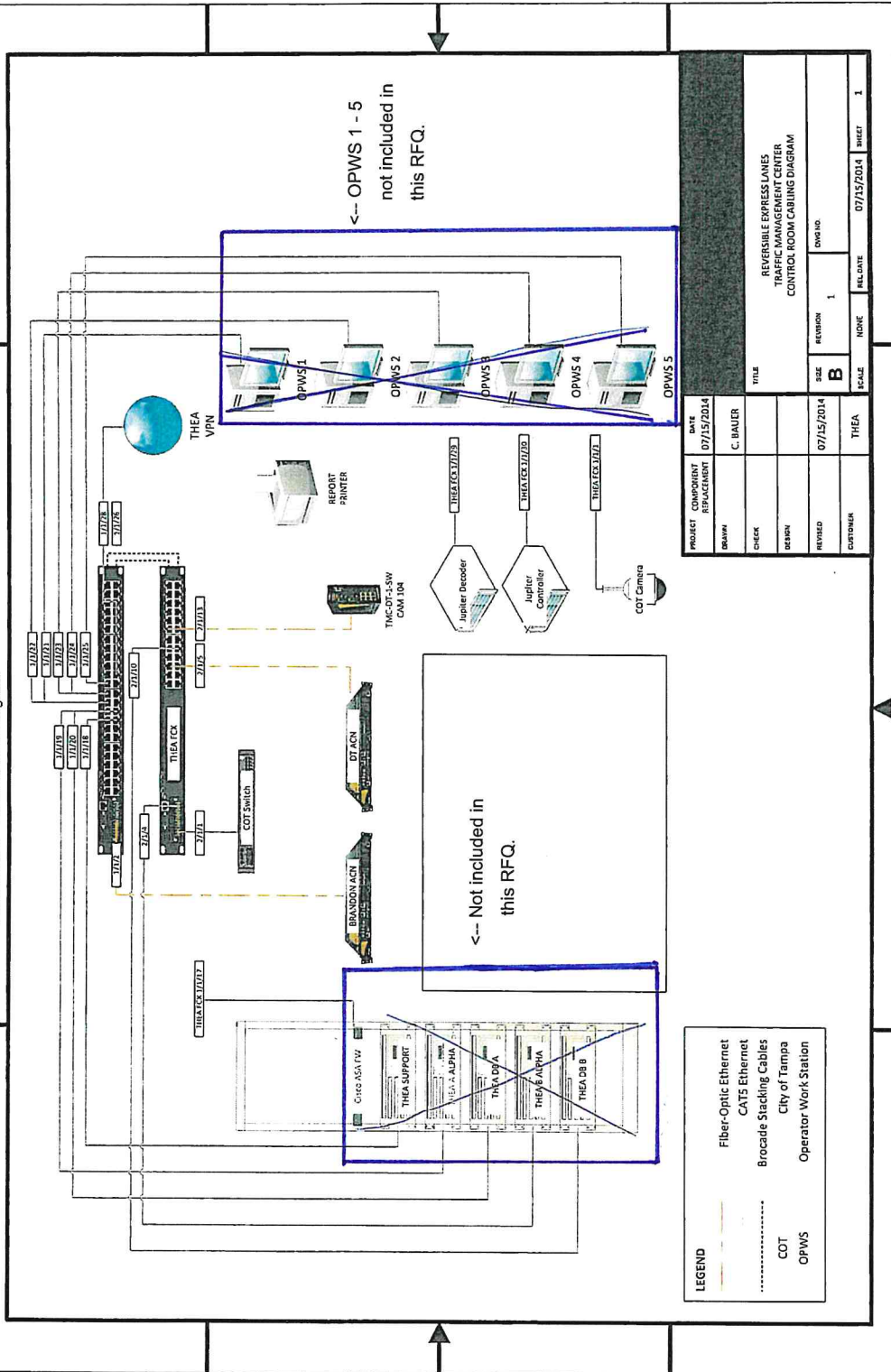
ITS Component Replacement Project
Equipment Documentation
SN# and Location

EQUIPMENT	AT BUILDING	RING 1	RING 2	RING 3	RING 4	RING 5
Ruggedcom RX1500 @ camera	.@ACNs	RUM/E505024349	RUM/E505024346	RUM/E505024345	RUM/E505024350	RUM/E505024348
Ruggedcom RS900G @ camera		RUM/E502023998 CCTV104	RUM/E502023999 CCTV105	RUM/E502024001 CCTV109	RUM/E502024008 CCTV114	RUM/E502023997 CCTV117
Ruggedcom RS900G @ camera		RUM/E502024002 CCTV102	RUM/E502023995 CCTV106	RUM/E502024011 CCTV110	RUM/E502024004 CCTV115	RUM/E502024010 CCTV118
Ruggedcom RS900G @ camera		RUM/E502024017 CCTV101	RUM/E502024022 CCTV107	RUM/E502024006 CCTV111	RUM/E502024007 CCTV116	RUM/E502024009 CCTV125
Ruggedcom RS900G @ camera		RUM/E502024012 CCTV103	RUM/E502024015 CCTV124	RUM/E502024005 CCTV112		RUM/E502024013 CCTV119
Ruggedcom RS900G @ camera			RUM/E502024021 CCTV108	RUM/E502023996 CCTV113		RUM/E502024016 CCTV122
Ruggedcom RS900G @ camera			AND Digi Terminal Server - Transcore	RUM/E502024019 Space Gantry		RUM/E502024014 CCTV123
Ruggedcom RS900G @ camera						RUM/E502024000 CCTV120
						RUM/E502024003 CCTV121
AT BUILDING	Brocade FastIron FCX6485 MAC: CC4E24044F80 FCX6245-F MAC: 748EF86E2740					

Existing Equipment	Manufacturer	Model	Quantity
Video Encoder	Teleste	MPC-D1	16
Video Encoder	Teleste	MPC-E1	2
Video Encoder	VBrick	9170-4200-0002	3
CCTV Cameras			23
Switch	Ruggedcom	RX1500	6
Switch	Ruggedcom	RS900G	26
Switch	Brocade FastIron	FCX6485	1
Switch	Brocade FastIron	FCX6245-F	1
Video Decoder	Jupiter		1
Video Controller	Jupiter		1

I-54	CCTV 123	Brandon Pkwy east of Brandon Gateway	Layer 2 Managed Switch	Garretcom	Magnum 6k16V	5529246	CAM 123
			Video Encoder	VBrick	9170-4200-0002	3020500568	
I-14	CCTV 124	luminaire pole on elevated REL approx sta 1675+50	Layer 2 Managed Switch	Garretcom	Magnum 6k16V	5529239	CAM 124
			Video Encoder	Teleste	MPC-E1	HK01441124	
I-47	CCTV 125	I-75	Layer 2 Managed Switch	Garretcom	Magnum 6k16V	5732141	CAM 125
			Video Encoder	Teleste	MPC-E1	HK00571331	
I-17	34 ACN	34th St ramp	Layer 2 Managed Switch	Garretcom	Magnum 6k16V	5529232	34-PLC
			PLC	Modicon	140NOE77100		Gates, Signs
			Traffic UPS	Clary	SP1000SN		
I-35	78 ACN	78th St ramp	Layer 2 Managed Switch	Garretcom	Magnum 6k16V	5529228	78-PLC
			PLC	Modicon	140NOE77100		Gates, Signs
			Traffic UPS	Clary	SP1000SN		
I-39	301 ACN	Rte. 301 ramp	Layer 2 Managed Switch	Garretcom	Magnum 6K16V	5703696	301-PLC
			PLC	Modicon	140NOE77100		Gates, Signs
			Traffic UPS	Clary	SP1000SN		
I-51	BRN ACN	Brandon entrance ramp	Layer 2 Managed Switch	Garretcom	Magnum 6K16V	5529230	BRN-PLC
			PLC	Modicon	140NOE77100		Gates, Signs
			Traffic UPS	Clary	SP1000SN		
I-7	DT CAN	REL Entrance (next to TMC)	Layer 2 Managed Switch	Garretcom	Magnum 6K16V	5712352	DT-PLC
			PLC	Modicon	140NOE77100		Gates, Signs
			Traffic UPS	Clary	SP1000SN		
I-34	Transcore	equipment room under space gantry	Layer 2 Managed Switch	Garretcom	Magnum 6K16V	5712353	Terminal Server
			Terminal Server	Digi	TS H MEI	63930325	GR1LC
	Dynac Cabinet	THEA TMC equipment room	L2/L3 Managed Switch	Cisco Systems	WS-C3560G-24TS-E V02	FOC092U2H2	
	N/A	THEA TMC control room	Video Decoder	Jupiter			Decoder
	N/A	THEA TMC control room	Video Controller	Jupiter			Controller

Attachment B - Control Room Diagram



LEGEND

—	Fiber-Optic Ethernet
---	CAT5 Ethernet
---	Brocade Stacking Cables
---	COT
---	OPWS

PROJECT COMPONENT	DATE	BY	REVISION	SCALE	DATE	SHEET
THEA DB A	07/15/2014	C. BAUER	1	NONE	07/15/2014	1
CHECK						
DESIGN						
REVISED						
CUSTOMER						

THEA DB A
THEA DB B
THEA DB C
THEA DB D
THEA DB E
THEA DB F
THEA DB G
THEA DB H
THEA DB I
THEA DB J
THEA DB K
THEA DB L
THEA DB M
THEA DB N
THEA DB O
THEA DB P
THEA DB Q
THEA DB R
THEA DB S
THEA DB T
THEA DB U
THEA DB V
THEA DB W
THEA DB X
THEA DB Y
THEA DB Z

