


CENTRAL FLORIDA EXPRESSWAY AUTHORITY

MEMORANDUM

TO: CFX Board Members


FROM: Aneth Williams 
Director of Procurement


DATE: June 20, 2017

SUBJECT: Approval of Supplemental Agreement 18-01
System Hardware Maintenance with TransCore, LP
Contract No. 000178

Board approval of Supplemental Agreement 18-01 to TransCore, LP for the procurement and installation of two additional Open Road Tolling (ORT) lanes at the Conway Mainline Toll Plaza, for a not to exceed \$286,718.29 is requested. In addition, this Supplemental Agreement includes the installation of Uninterrupted Power Supply (UPS) to support the toll system installation on segments of the Wekiva Parkway (Wekiva 1A, 2B and 3C) as well as the removal of equipment from the decommissioned ICP Ramps of the Innovation Way Interchange.

This contract is included for in the Five- Year Work Plan.

Reviewed by: 
David Wynne
Director of Toll Operations



**CENTRAL FLORIDA EXPRESSWAY AUTHORITY
SYSTEMS HARDWARE MAINTENANCE
CONTRACT NO. 000178
SUPPLEMENTAL AGREEMENT NO. 18-01**

This Supplemental Agreement No. 18-01 ("Supplemental Agreement") is entered into this 13th day of July, 2017, by and between the Central Florida Expressway Authority ("CFX") and TransCore, L.P. ("Contractor").

WITNESSETH:

WHEREAS, CFX and the Contractor on July 22, 2004, entered into an agreement ("Base Contract") whereby CFX retained the Contractor to provide maintenance services for the toll collection system hardware design by CFX as Project No. SHM-01; and

WHEREAS, CFX and the Contractor on July 1, 2009, renewed the Base Contract for an additional two year period through July 21, 2011; and

WHEREAS, CFX and the Contractor on April 1, 2011, renewed the Base Contract for an additional two year period through July 21, 2013; and

WHEREAS, CFX and the Contractor on April 24, 2013, renewed the Base Contract for an additional two year period through July 21, 2015; and

WHEREAS, CFX and the Contractor on March 12, 2015, renewed the Base Contract for an additional two year period through July 21, 2017; and

WHEREAS, CFX and the Contractor on May 12, 2017, renewed the Base Contract for an additional two year period through July 21, 2019; and

WHEREAS, CFX has determined it necessary for the Contractor to furnish and install two additional Open Road Tolling (ORT) lanes at the Conway Mainline Toll Plaza in both the eastbound and westbound directions. In addition to installation of Uninterrupted Power Supply (UPS) to support the toll system installation on segments of the Wekiva Parkway (Wekiva 1A, 2B and 3C) as well as the removal of equipment from the decommissioned ICP Ramps of the Innovation Way Interchange.

NOW, THEREFORE, for and in consideration of the mutual benefits to flow each to the other, the parties agree that the Contractor shall furnish and install two additional Open Road Tolling (ORT) lanes at the Conway Mainline Toll Plaza in both the eastbound and westbound directions. As well as, installation of Uninterrupted Power Supply (UPS) to support the toll system installation on segments of the Wekiva Parkway (Wekiva 1A, 2B and 3C) as well as the removal of equipment from the decommissioned ICP Ramps of the Innovation Way Interchange.

The total cost shall not exceed \$286,718.29, which shall make a total maximum compensation to the Contractor, including previously approved amendments, of \$84,585,683.62 for all materials and services required under the renewal as supplemented hereby.

All other provisions of the Base Contract renewal shall remain in full force and effect, the same as if they had been set forth herein. In the event of a conflict between the provisions of this Supplement Agreement and of the renewals, and any supplements made previously thereto, the provisions of this Supplemental Agreement shall take precedence.

IN WITNESS THEREOF, the parties hereto have caused these presents to be executed to be executed, in triplicate, on the day and year first written above.

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

By: _____
Director of Procurement

TRANSCORE, L.P.

By _____

Print Name: _____

Title: _____

Attest: _____

Title: _____

Approved as to form and execution, only.

General Counsel for CFX



2416 Lake Orange Drive, Ste 100
Orlando, FL 32837
407-382-1301 tel 407-382-8914 fax

Mr. David Wynne
Director of Toll Operations
Central Florida Expressway Authority
4974 ORL Tower Road
Orlando, FL 32807

June 20, 2017

Subject: Conway Main Add lane 7 (WB) & 14 (EB)

Dear Mr. Wynne:

TransCore is pleased to provide a quote for adding 2 new lanes to an existing eastbound and westbound 3 lane tolling zone. Quote includes equipment procurement, installation, testing, and commissioning. Pricing for PEEK software is an estimated dollar amount due to long lead time and slow vendor response to requests for current pricing. The delay getting current pricing will likely exceed the date Supplemental Agreement is issued. Project quote document attached.

Installation schedule will be coordinated with road construction contractor. Transcore will need 10 working days to complete installation. MOT is not included in this quote. Road construction contractor will provide MOT. Stamped, signed and sealed gantry drawings, if required, for added equipment not included.

The pricing quote is valid for sixty (60) days from the date of quote.

All work performed in accordance with maintenance contract 178 (SHM0-1)

Price: \$193,066.36

Should you have any questions, please contact me at (321) 281- 4050 or email bob.davis@transcore.com.

Sincerely,
Robert A. Davis
Project Manager
TransCore

ITEM NO.	Exhibit B Conway Main Plaza - Add lanes 7 & 14	Labor Hours/Ln	Labor Rate	Equip Price	Qty	Extended Price
	EQUIPMENT					
1.00	Adjustable Canopy Mount			\$1,600		\$0
2.00	AVI H Bracket			\$700	2	\$1,400
3.00	AVI Reader			\$11,500		\$0
4.00	Manual Lane Terminal			\$2,295		\$0
5.00	ACM Parts to Rebuild/Refurbish			\$0		\$0
6.00	LCII Lane Controllers			\$10,500		\$0
7.00	Patron Toll Displays			\$4,400		\$0
8.00	Traffic Control Signal Assembly			\$1,747		\$0
9.00	PEEK Axle Counter/Seperator			\$52,000	2	\$104,000
10.00	Transcore ORT Solution			\$0		\$0
11.00	Receipt Printer			\$1,208		\$0
12.00	Treadle Frames - 4 insert type			\$4,944		\$0
13.00	Treadle Inserts			\$1,420		\$0
14.00	Light Curtain assembly			\$6,132		\$0
15.00	Magnetic Card Reader			\$345		\$0
16.00	VES J panel and flash			\$6,000	2	\$12,000
17.00	VES Image Server			\$4,925		\$0
18.00	UPS - Ramp			\$6,825		\$0
19.00	UPS - Plaza			\$0		\$0
20.00	VES/Antenna Pelco			\$525	6	\$3,150
21.00	Ramp Lane Server - Dell 410			\$4,925		\$0
22.00	MOT westbound			\$6,542		\$0
23.00	MOT eastbound			\$6,542		\$0
24.00	N/A					
	INSTALLATION					
30.00	Project Management	10	\$144.45	\$1,444.50	2	\$2,889.00
31.00	Mobilization	40	\$75.88	\$3,035.20	2	\$6,070.40
32.00	Mount wire ways, conduit, controller boxes	30	\$75.88	\$2,276.40	2	\$4,552.80
33.00	Pull clean power circuits	5	\$75.88	\$379.40	2	\$758.80
34.00	Pull dirty circuits	5	\$75.88	\$379.40	2	\$758.80
35.00	Pull data wire	20	\$75.88	\$1,517.60	2	\$3,035.20
36.00	Install all in-lane equipment	60	\$75.88	\$4,552.80	2	\$9,105.60
37.00	Terminate clean and dirty power circuits	10	\$75.88	\$758.80	2	\$1,517.60
38.00	Align, test light curtains		\$75.88	\$0.00		\$0.00
39.00	Test/tune/AVI pattern/read zone	30	\$75.88	\$2,276.40	2	\$4,552.80
40.00	Terminate data wire, fiber, LC, VES, AVI, etc.	30	\$75.88	\$2,276.40	2	\$4,552.80
41.00	Run hardware diagnostics	8	\$75.88	\$607.04	2	\$1,214.08
42.00	Lane Software: config file/disk prep.	8	\$135.38	\$1,083.04	2	\$2,166.08
43.00	Run software diagnostics/troubleshoot		\$82.41	\$0.00		\$0.00
44.00	Test VES system, align cameras, align flash	15	\$75.88	\$1,138.20	2	\$2,276.40
45.00	PEEK Loop System Tuning	40	\$82.41	\$3,296.40	2	\$6,592.80
46.00	Commission zone - run/test/debug (4 lane zone)	60	\$82.41	\$4,944.60	2	\$9,889.20
47.00	Warehouse delivery/support	5	\$75.88	\$379.40		\$0.00
48.00	Remove reusable in lane equipment		\$75.88	\$0.00		\$0.00
49.00	Refurbish equipment - ACM		\$75.88	\$0.00		\$0.00
50.00	Civil, conduit, framing, sawcut concrete (loops), etc.			\$920.00	5	\$4,600.00
51.00	Material - conduit, wireway, connectors, cable, etc.			\$1,500.00	2	\$3,000.00
52.00	ACM - assemble/calibrate/test		\$75.88	\$0.00		\$0.00
53.00	ACM trim plates			\$1,800.00		\$0.00
54.00	Additional electrical work in tunnel			\$0.00		\$0.00
55.00	Additional electrical material to support 54.00			\$0.00		\$0.00
56.00	Saw cut gatorhead for light curtain relief			\$948.75		\$0.00
57.00	Install light curtain concrete pad			\$575.00		\$0.00
	ENGINEERING					
60.00	Host System Software	10	\$135.38	\$1,353.80	1	\$1,353.80
61.00	System integration and test	10	\$135.38	\$1,353.80	1	\$1,353.80
62.00	Drafting and engineering support	30	\$75.88	\$2,276.40	1	\$2,276.40
	TOTAL					\$193,066.36



June 19, 2017

Mr. Dave Wynne
Director of Toll Operations
Orlando Orange County Expressway Authority
4974 ORL Tower Road
Orlando, FL 32807

Subject: 10KVA UPS Quote – Wekiva A, B & C

Reference: CFX SHM-01 – Legacy Systems Hardware Maintenance

Dear Mr. Wynne:

TransCore is pleased to provide pricing for UPS equipment (see included specification sheet), shipping, installation material, equipment installation and equipment commissioning as follows:

(3) 10KVA Liebert UPS @ \$17,320.87	= \$ 51,962.61
Shipping	= \$ 3,232.00
(2 techs) Labor 60 hours @ \$78.16/hr.	= \$ 4,689.60
Material	= <u>\$ 900.00</u>
Total	\$ 60,784.21

*Installation drawings with PE stamp, if required, are not included in this quote.

This model and size UPS was determined appropriate based on the planned toll equipment requirements and load for the TSUP project.

Invoice will be submitted to CFX in the month equipment is received at the TransCore warehouse.

This pricing quote is valid for sixty (60) days from the date of quote.

Should you have any questions, please contact me at (407) 509-6714

Sincerely,

Bob Davis, Project Manager
TransCore

cc: Scoot Hooton
Miles Treschan

Liebert APS Model AS3B0RCVHNNX420 rated at 10 kVA/9.0 kW with 5 minutes backup time.

Each System is comprised of the following features/accessories:

- On-line double conversion design with a true sine wave output
- N+x parallel redundancy to provide a fault tolerant network of power protection for continuous systems availability
- Quoted model is configured Redundant Power & Controls
- Input and output noise suppression
- Main input, output, and internal maintenance breaker
- Input power factor 0.99
- 6 hour battery recharge time to 90% capacity
- Fault tolerant microprocessor-based control and monitoring
- Low voltage distortion output inverter
- Flame-retardant, Sealed valve regulated batteries
- LCD display module with mimic diagram of power flow and provides digital metering, event logging, user customize-able set points (low battery alarm, battery test, auto-restart delay, display language)
- All modules are hot-swappable to provide maximum system flexibility and availability
- Casters and leveling feet
- WEEE, REACH, and RoHS (6 by 6) compliant
- Integral output transformer
- Integral output distribution providing None outlets
- Integral output distribution providing None outlets
- Units are capable of rack mounting with optional rack mounting kit
- UPS frame is designed for maximum of 15 kVA, 240/120V, 60 Hz, L-L-N-PE
- UL 1778 4th Edition, c-UL, Listed
- CE, GS, C-tick Marked

Optional Equipment:

- (1) External Maintenance Bypass Cabinet; Model Number NMBHW41, rated for 15 kVA, 100A
- MBC is designed for wall mounting
- MBC is UL, cUL Listed
- Isolating switch controls input power to UPS
- Terminal blocks for hardwired input and output
- Spring loaded, high speed manual transfer switch
- Power indicators
- Support for lockout/tagout programs
- Unit dimensions: 26" H x 19" W x 12" D
- Unit weight: 50 lbs
- (1) IntelliSlot Velocity/Life.Net Card; P/N: IS-UNITY-DP; Offers a web interface to monitor and configure the Life and proprietary protocols for use with the Life Station, Liebert Nform and Trellis. It allows you to select and configure two of the available third party protocols – SNMP, Modbus or BACnet for interfacing to Network and Building Management Systems. Also includes support for external environmental sensor support, using Liebert SN Sensors.
- (1) Intellislot Relay Contact Interface Kit; P/N: IS-RELAY; Provides relay contact signals for "On Battery", "Low Battery", "On Bypass", "UPS Fault", "Summary Alarm".

UPS System Services Include:

Start-up service includes one site trip by a Liebert Services customer engineer after the unit has been installed. The site trip includes the following services for each system: non-powered inspection, unit electrical and operational checkout, full parts and labor for any work required on the unit, and basic customer operation training. Start-up also provides the customer with a guaranteed 6 hour on-site response for emergency service and includes onsite labor, parts, and travel for the full two-year warranty period.

- Warranty Inspection Start-Up to be provided on a 7 day by 24 hour basis

SFA:

- No SFA Requests Included

Additional Options Include:

- No Additional Options Included

One lot of parts supplied and/or services managed by the local representative

- No Other Services Included



June 20, 2017

Mr. Dave Wynne
Director of Toll Operations
Orlando Orange County Expressway Authority
4974 ORL Tower Road
Orlando, FL 32807

Subject: 5KVA UPS Quote – Innovation Way On/Off Ramps
ICP Exit Equipment Recovery Quote

Reference: CFX SHM-01 – Legacy Systems Hardware Maintenance

Dear Mr. Wynne:

- (1) TransCore is pleased to provide pricing for UPS equipment, shipping, installation material, equipment installation and equipment commissioning as follows:

(2) 5KVA Liebert UPS @ \$12,235.78	= \$ 24,471.56
Shipping	= \$ 2,242.00
(2 techs) Labor 40 hours @ \$78.16/hr.	= \$ 3,126.40
Material	= \$ 600.00
Total	\$ 30,439.56

*Installation drawings with PE stamp, if required, are not included in this quote.

This model and size UPS was determined appropriate based on the planned toll equipment requirements and load for the TSUP project ramp locations.

- (2) TransCore is pleased to provide a quote for removing toll equipment prior to ICP exit ramp demolition. Quote includes carefully uninstalling toll equipment listed in the attachment and transporting the equipment to the TransCore warehouse for storage.

For TransCore mobilization purposes, Contractor will notify TransCore 3 business days prior to site demolition and availability. Once site is available, TransCore will require minimum of 1 business day to recover equipment listed in attachment.

Price: \$2,428.16

This pricing quote is valid for sixty (60) days from the date of quote.

All work performed in accordance with maintenance contract 178 (SHM0-1)

Should you have any questions, please contact me at (407) 509-6714

Regards,
Bob Davis, Project Manager
TransCore