

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

MEMORANDUM

TO: Authority Board Members

FROM: Claude Miller 
Director of Procurement

DATE: June 23, 2015

RE: Approval of Supplemental Agreement No. 15-02
TransCore, L.P., for S.R. 528 Airport Replacement Ramp Plazas
System Hardware Maintenance (SHM-01)
Contract No. 000178

The referenced contract with TransCore includes a provision requiring TransCore to provide support to the Authority to install and maintain new equipment as toll lanes and collection points are added to the system.

Board approval is requested for Supplemental Agreement No. 15-02 to the referenced Contract in the not-to-exceed amount of \$1,536,887.12 based on a quote from TransCore that has been reviewed by staff and is recommended for approval. Under the supplemental agreement TransCore will furnish and install toll equipment for the new ramp toll plazas on S.R. 528 as part of Project No. 528-405.

Renewal Contract Amount:	\$5,947,862.57	
Supplemental Agreement No. 14-01	\$ 635,706.00	Boggy Creek Ramp Toll Plazas
S.A. No. 14-01, Amendment No. 1	\$ (161,701.83)	Credit for Work Not Required
S.A. No. 14-02	\$ 524,543.44	Schofield Road Ramp Toll Plazas
S.A. No. 14-02, Amendment No. 1	\$ (113,617.10)	Credit for Work Not Required
S.A. No. 15-01	\$4,496,000.00	Allegro Transponder Replacement
This S.A. No. 15-02	<u>\$1,536,887.12</u>	
New Contract Amount:	\$12,865,680.20	

**CFX PROJECT NO. SHM-01
SYSTEMS HARDWARE MAINTENANCE**

SUPPLEMENTAL AGREEMENT NO. 15-02

This Supplemental Agreement No. 15-02 ("Supplemental Agreement") is entered into this 9th day of July, 2015, by and between the Central Florida Expressway Authority ("Authority") and TransCore, L.P. ("Contractor").

WITNESSETH:

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

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

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

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

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

WHEREAS, the Authority has determined it necessary for the Contractor to furnish and install toll equipment at the new ramp toll plazas on S.R. 528 constructed as part of Project No. 528-405.

NOW, THEREFORE, for and in consideration of the mutual benefits to flow each to the other, the parties agree that the Contractor shall install the new toll equipment. Work shall be performed in accordance with the attached Exhibit A, Scope of Services. The total cost shall not exceed \$1,536,887.12, as detailed in the attached Exhibit B, Fee Proposal, which shall make a total maximum compensation to the Contractor, including previously approved amendments, of \$12,865,680.20 for all materials and services required under the renewal as supplemented hereby.

All 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 Supplemental Agreement and of the renewal, 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, in triplicate, on the day and year first written above.

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

By: _____
Director of Procurement

Approved as to form and execution, only

By: _____
General Counsel

TRANSCORE, L.P.

By: _____

Print Name: _____

Attest: _____

Title: _____

Title: _____

**CFX PROJECT NO. SHM-01
CONTRACT NO. 000178
SUPPLEMENTAL AGREEMENT NO. 15-02**

**EXHIBIT A
SCOPE OF WORK**

I. General

The Authority wishes to modify the existing Contract to include the installation of new toll equipment on S.R. 528 as part of Project No. 528-405. A detailed breakdown of costs for each item is included in Exhibit B.

II. Conditions

The Contractor shall identify and bring to the Authority's attention in writing any unique field conditions, different configurations, etc. not otherwise mentioned in this Supplemental Agreement that will affect the Contractor's work.

III. Work Items

The Contractor shall provide all labor and materials required for the installation of toll equipment and violation enforcement system, identified in Exhibit B, at the new ramp plazas on S.R. 528. The Contractor shall install, test and commission all lanes included in this supplemental.

END OF EXHIBIT A

EXHIBIT B



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 19, 2015

Subject: Airport Replacement Ramp Plazas (4)
Rebate Ramps (2)
Relocate ACM (4)
Vaults (100)
Airport Plaza Equipment Recovery

Dear Mr. Wynne:

TransCore is pleased to provide quotes for new Legacy Toll Collection Equipment procurement, installation, testing, commissioning and for Airport Plaza equipment recovery. See attachments.

Quote - 2 lane ramp plazas located on the 528 Beachline:

- *528 Boggy EB 2 lanes On ramp plaza
- *528 McCoy WB 2 lanes Off ramp plaza
- *528 Tradeport EB 2 lanes On ramp plaza
- *528 Conway WB 2 lanes Off ramp plaza

Quote - 1 lane rebate ramp plazas located on the 528 Beachline:

- *528 McCoy Rebate 1 lane On ramp plaza
- *528 Jetport Rebate 1 lane Off ramp plaza

Installation Schedule

- *Each 2 lane ramp is an approximate 5 week effort to complete.
- *Each 1 lane rebate ramp is an approximate 4 week effort to complete.

The installation schedule can vary based on any construction contractor constraints or delays. Actual toll equipment installation schedule will be developed with input from construction contractor.

Quote – Airport equipment recovery.

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)

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

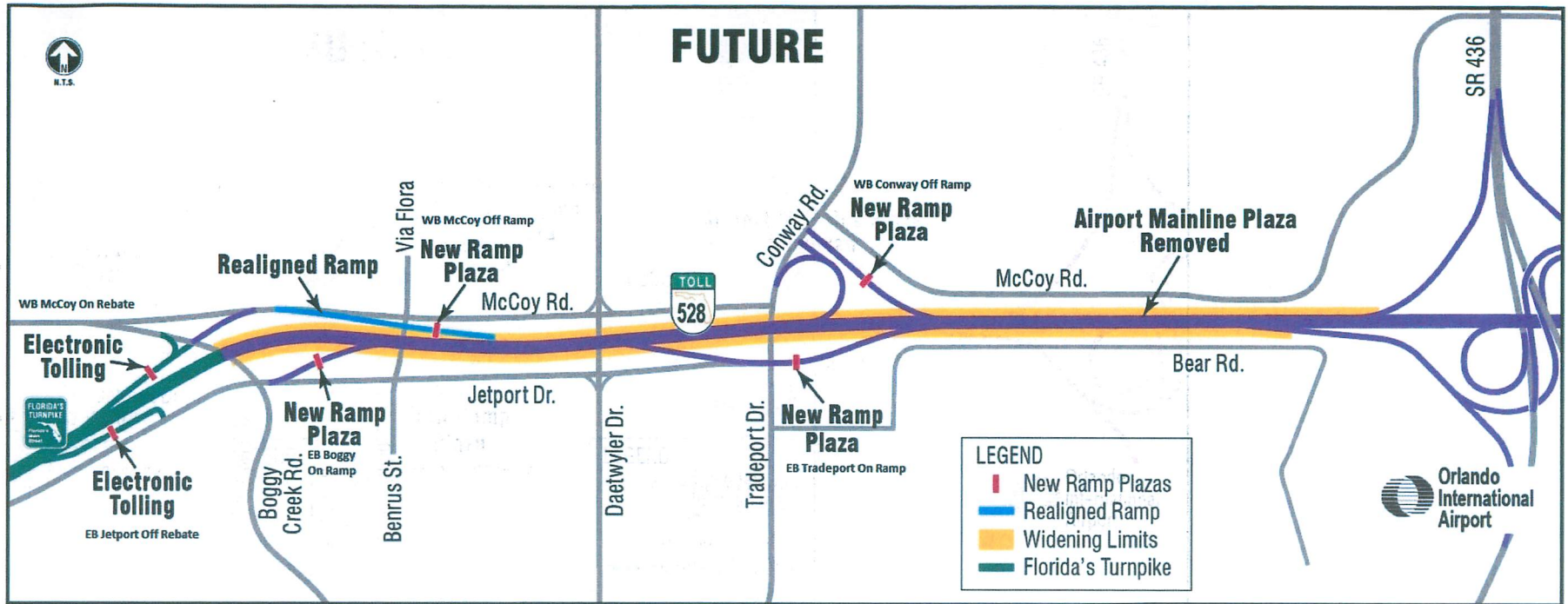


EXHIBIT B

Airport Plaza Equipment Recovery	\$ 11,268.70
528 Boggy 2 Lane EB On Ramp Legacy Equipment	\$ 288,308.13
528 Tradeport 2 Lane EB On Ramp Legacy Equipment	\$ 288,308.13
528 Jetport Rebate EB 1 Lane Off Ramp Legacy Equipment	\$ 186,192.95
528 Conway 2 Lane WB Off Ramp Legacy Equipment	\$ 288,308.13
528 McCoy 2 Lane WB Off Ramp Legacy Equipment	\$ 288,308.13
528 McCoy Rebate WB 1 Lane On Ramp Legacy Equipment	<u>\$ 186,192.95</u>
	\$1,536,887.12

EXHIBIT B

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ITEM NO.	Quote - Airport Plaza Equipment Recovery DESCRIPTION				Qty	
	<u>Recovered Equipment</u>					
1.00	AVI Reader				12	
2.00	Manual Lane Terminal				8	
3.00	ACM complete assembly				2	
4.00	LCII Lane Controllers				12	
5.00	Patron Toll Display				12	
6.00	Traffic Control Signal Assembly and pole				12	
7.00	Receipt Printer				8	
8.00	Light Curtain assembly				12	
9.00	VES system - Camera, flash, P/S, J-Panel				12	
10.00	UPS				1	
11.00	2 post server rack				1	
12.00	Lane Server				12	
13.00	Coin Vaults				20	
14.00	Itanium equipment				1	
15.00	Antenna				12	
16.00						
17.00						
18.00						
19.00						
20.00						
21.00						
22.00						
	<u>Recovery Labor</u>	Labor hours	Labor rate			
23.00	Project Management	8	\$137.15	\$1,097.20	1	\$1,097.20
24.00	Technician (man hours)	125	\$70.74	\$8,842.50	1	\$8,842.50
25.00						
26.00						
27.00						
28.00						
29.00						
30.00						
	<u>Support Equipment</u>					
40.00	Box truck					\$600.00
41.00	Conex (equipment storage)					\$429.00
42.00	Misc support supplies					\$300.00
					total	\$11,268.70

EXHIBIT B

Page 1

ITEM NO.	Quote - 528 Boggy 2 Lane EB On Ramp Legacy Equipment			Price	Qty	Extended Price
	EQUIPMENT					
1.00	Adjustable Canopy Mount			\$1,600	1	\$1,600
2.00	AVI H Bracket			\$700	2	\$1,400
3.00	AVI Reader			\$11,500	2	\$23,000
4.00	Manual Lane Terminal			\$2,295	0	\$0
5.00	ACM complete assembly			\$105,819	0	\$0
6.00	LCII Lane Controllers			\$10,500	2	\$21,000
7.00	Patron Toll Displays			\$4,400	2	\$8,800
8.00	Traffic Control Signal Assembly			\$1,747	2	\$3,494
9.00	PEEK Axle Counter/Seperator			\$58,851	0	\$0
10.00	Transcore ORT Solution			\$0	0	\$0
11.00	Receipt Printer			\$1,208	0	\$0
12.00	Treadle Frames - 4 insert type			\$4,944	0	\$0
13.00	Treadle Inserts			\$1,420	0	\$0
14.00	Light Curtain assembly			\$6,132	2	\$12,264
15.00	Magnetic Card Reader			\$371	1	\$371
16.00	VES system EN500, LED flash, P/S, J-Panel			\$17,042	2	\$34,084
17.00	VES Image Server			\$4,925	1	\$4,925
18.00	UPS - Ramp			\$6,688	1	\$6,688
19.00	2 post server rack w/4shelves			\$545	1	\$545
20.00	Ramp Lane Server			\$4,925	2	\$9,850
21.00	Coin Vaults			\$1,213	25	\$30,325
22.00						
	INSTALLATION	Labor hours	Labor rate			
30.00	Project Management	77	\$137.15	\$10,253.00	1	\$10,560.55
31.00	Mobilization	40	\$70.74	\$2,829.60	2	\$5,659.20
32.00	Mount wire ways, conduit, controller boxes	72	\$70.74	\$5,093.28	2	\$10,186.56
33.00	Pull clean power circuits	24	\$70.74	\$1,697.76	2	\$3,395.52
34.00	Pull dirty circuits	24	\$70.74	\$1,697.76	2	\$3,395.52
35.00	Pull data wire	36	\$70.74	\$2,546.64	2	\$5,093.28
36.00	Install all in-lane equipment	96	\$70.74	\$6,791.04	2	\$13,582.08
37.00	Terminate clean and dirty power circuits	24	\$70.74	\$1,697.76	2	\$3,395.52
38.00	Align, test light curtains	16	\$70.74	\$1,131.84	2	\$2,263.68
39.00	Test/tune/AVI pattern/read zone	12	\$70.74	\$848.88	2	\$1,697.76
40.00	Terminate data wire, fiber, LC, VES, AVI, etc.	96	\$70.74	\$6,791.04	2	\$13,582.08
41.00	Run hardware diagnostics	8	\$70.74	\$565.92	2	\$1,131.84
42.00	Lane Software: config file/disk prep.	16	\$96.43	\$1,542.88	2	\$3,085.76
43.00	Run software diagnostics/troubleshoot	16	\$96.43	\$1,542.88	2	\$3,085.76
44.00	Test VES system, align cameras, align flash	24	\$96.43	\$2,314.32	2	\$4,628.64
45.00	PEEK Loop System Tuning	12	\$96.43	\$1,157.16	0	\$0.00
46.00	Commission lane - run/test/debug	16	\$96.43	\$1,542.88	2	\$3,085.76
47.00	Warehouse delivery/support	8	\$70.74	\$565.92	2	\$1,131.84
48.00	Remove reusable in lane equipment	40	\$70.74	\$2,829.60	0	\$0.00
49.00	Refurbish equipment - ACM	4	\$70.74	\$282.96	0	\$0.00
50.00	Civil, conduit, framing, sawcut concrete (loops), etc.			\$920.00	6	\$5,520.00
51.00	Material - conduit, wireway, connectors, cable, etc.			\$6,066.00	2	\$12,132.00
52.00	ACM - assemble/calibrate/test	6	\$70.74	\$424.44	0	\$0.00
53.00	ACM trim plates	1		\$2,000.00	1	\$2,000.00
54.00	Additional electrical work in tunnel			\$0.00	0	\$0.00
55.00	Additional electrical material to support 54.00			\$0.00	0	\$0.00
56.00	Saw cut gatorhead for light curtain relief			\$948.75	0	\$0.00
57.00	Install concrete light curtain pad			\$788.00	2	\$1,576.00
58.00	ACM-uninstall, secure opening, remove tunnel components, transport, prep&paint cabinet, tune the mechanicals, install, move antenna, new lane build.			\$9,157.18	1	\$9,157.18
	ENGINEERING					
60.00	Host System Software	30	\$131.44	\$3,943.20	1	\$3,943.20
61.00	System integration and test	40	\$131.44	\$5,257.60	1	\$5,257.60
62.00	Drafting and engineering support	20	\$70.74	\$1,414.80	1	\$1,414.80
					total	\$288,308.13

EXHIBIT B

Page 1

ITEM NO.	Quote - 528 Tradeport 2 Lane EB On Ramp Legacy Equipment			Price	Qty	Extended Price
EQUIPMENT						
1.00	Adjustable Canopy Mount			\$1,600	1	\$1,600
2.00	AVI H Bracket			\$700	2	\$1,400
3.00	AVI Reader			\$11,500	2	\$23,000
4.00	Manual Lane Terminal			\$2,295	0	\$0
5.00	ACM complete assembly			\$105,819	0	\$0
6.00	LCII Lane Controllers			\$10,500	2	\$21,000
7.00	Patron Toll Displays			\$4,400	2	\$8,800
8.00	Traffic Control Signal Assembly			\$1,747	2	\$3,494
9.00	PEEK Axle Counter/Seperator			\$58,851	0	\$0
10.00	Transcore ORT Solution			\$0	0	\$0
11.00	Receipt Printer			\$1,208	0	\$0
12.00	Treadle Frames - 4 insert type			\$4,944	0	\$0
13.00	Treadle Inserts			\$1,420	0	\$0
14.00	Light Curtain assembly			\$6,132	2	\$12,264
15.00	Magnetic Card Reader			\$371	1	\$371
16.00	VES system EN500, LED flash, P/S, J-Panel			\$17,042	2	\$34,084
17.00	VES Image Server			\$4,925	1	\$4,925
18.00	UPS - Ramp			\$6,688	1	\$6,688
19.00	2 post server rack w/4shelves			\$545	1	\$545
20.00	Ramp Lane Server			\$4,925	2	\$9,850
21.00	Coin Vaults			\$1,213	25	\$30,325
22.00						
INSTALLATION						
		Labor hours	Labor rate			
30.00	Project Management	77	\$137.15	\$10,253.00	1	\$10,560.55
31.00	Mobilization	40	\$70.74	\$2,829.60	2	\$5,659.20
32.00	Mount wire ways, conduit, controller boxes	72	\$70.74	\$5,093.28	2	\$10,186.56
33.00	Pull clean power circuits	24	\$70.74	\$1,697.76	2	\$3,395.52
34.00	Pull dirty circuits	24	\$70.74	\$1,697.76	2	\$3,395.52
35.00	Pull data wire	36	\$70.74	\$2,546.64	2	\$5,093.28
36.00	Install all in-lane equipment	96	\$70.74	\$6,791.04	2	\$13,582.08
37.00	Terminate clean and dirty power circuits	24	\$70.74	\$1,697.76	2	\$3,395.52
38.00	Align, test light curtains	16	\$70.74	\$1,131.84	2	\$2,263.68
39.00	Test/tune/AVI pattern/read zone	12	\$70.74	\$848.88	2	\$1,697.76
40.00	Terminate data wire, fiber, LC, VES, AVI, etc.	96	\$70.74	\$6,791.04	2	\$13,582.08
41.00	Run hardware diagnostics	8	\$70.74	\$565.92	2	\$1,131.84
42.00	Lane Software: config file/disk prep.	16	\$96.43	\$1,542.88	2	\$3,085.76
43.00	Run software diagnostics/troubleshoot	16	\$96.43	\$1,542.88	2	\$3,085.76
44.00	Test VES system, align cameras, align flash	24	\$96.43	\$2,314.32	2	\$4,628.64
45.00	PEEK Loop System Tuning	12	\$96.43	\$1,157.16	0	\$0.00
46.00	Commission lane - run/test/debug	16	\$96.43	\$1,542.88	2	\$3,085.76
47.00	Warehouse delivery/support	8	\$70.74	\$565.92	2	\$1,131.84
48.00	Remove reusable in lane equipment	40	\$70.74	\$2,829.60	0	\$0.00
49.00	Refurbish equipment - ACM	4	\$70.74	\$282.96	0	\$0.00
50.00	Civil, conduit, framing, sawcut concrete (loops), etc.			\$920.00	6	\$5,520.00
51.00	Material - conduit, wireway, connectors, cable, etc.			\$6,066.00	2	\$12,132.00
52.00	ACM - assemble/calibrate/test	6	\$70.74	\$424.44	0	\$0.00
53.00	ACM trim plates	1		\$2,000.00	1	\$2,000.00
54.00	Additional electrical work in tunnel			\$0.00	0	\$0.00
55.00	Additional electrical material to support 54.00			\$0.00	0	\$0.00
56.00	Saw cut gatorhead for light curtain relief			\$948.75	0	\$0.00
57.00	Install concrete light curtain pad			\$788.00	2	\$1,576.00
58.00	ACM-uninstall, secure opening, remove tunnel components, transport, prep&paint cabinet, tune the mechanicals, install, move antenna, new lane build.			\$9,157.18	1	\$9,157.18
ENGINEERING						
60.00	Host System Software	30	\$131.44	\$3,943.20	1	\$3,943.20
61.00	System integration and test	40	\$131.44	\$5,257.60	1	\$5,257.60
62.00	Drafting and engineering support	20	\$70.74	\$1,414.80	1	\$1,414.80
					total	\$288,308.13

EXHIBIT B

Page 1

ITEM NO.	Quote - 528 Jetport Rebate EB 1 Lane Off Ramp Legacy Equipment			Price	Qty	Extended Price
	<u>EQUIPMENT</u>					
1.00	Adjustable Canopy Mount			\$1,600	0	\$0
2.00	AVI H Bracket			\$700	1	\$700
3.00	AVI Reader			\$11,500	1	\$11,500
4.00	Manual Lane Terminal			\$2,295	0	\$0
5.00	ACM complete assembly			\$105,819	0	\$0
6.00	LCII Lane Controllers			\$10,500	1	\$10,500
7.00	Patron Toll Displays			\$4,400	0	\$0
8.00	Traffic Control Signal Assembly			\$1,747	0	\$0
9.00	PEEK Axle Counter/Seperator			\$58,851	1	\$58,851
10.00	Transcore ORT Solution			\$200,000	0	\$0
11.00	Receipt Printer			\$1,208	0	\$0
12.00	Treadle Frames - 4 insert type			\$4,944	0	\$0
13.00	Treadle Inserts			\$1,420	0	\$0
14.00	Light Curtain assembly			\$6,132	0	\$0
15.00	Magnetic Card Reader			\$345	0	\$0
16.00	VES system EN500, LED flash, P/S, J-Panel, Cable, P/S, Sensor			\$17,042	1	\$17,042
17.00	VES Image Server			\$4,925	1	\$4,925
18.00	UPS - Ramp			\$6,688	1	\$6,688
19.00	2 post server rack w/4 shelves			\$545	1	\$545
20.00	Ramp Lane Server			\$4,925	1	\$4,925
21.00						
22.00						
23.00						
		Labor Hours	Labor Rate			
30.00	<u>Project Management</u>	77	\$137.15	\$10,253.00	1	\$10,560.55
31.00	Mobilization	40	\$70.74	\$2,829.60	1	\$2,829.60
32.00	Mount wire ways, conduit, controller boxes	72	\$70.74	\$5,093.28	1	\$5,093.28
33.00	Pull clean power circuits	24	\$70.74	\$1,697.76	1	\$1,697.76
34.00	Pull dirty circuits	24	\$70.74	\$1,697.76	1	\$1,697.76
35.00	Pull data wire	36	\$70.74	\$2,546.64	1	\$2,546.64
36.00	Install all in-lane equipment	96	\$70.74	\$6,791.04	1	\$6,791.04
37.00	Terminate clean and dirty power circuits	24	\$70.74	\$1,697.76	1	\$1,697.76
38.00	Align, test light curtains	16	\$70.74	\$1,131.84	1	\$1,131.84
39.00	Test/tune/AVI pattern/read zone	12	\$70.74	\$848.88	1	\$848.88
40.00	Terminate data wire, fiber, LC, VES, AVI, etc.	96	\$70.74	\$6,791.04	1	\$6,791.04
41.00	Run hardware diagnostics	8	\$70.74	\$565.92	1	\$565.92
42.00	Lane Software: config file/disk prep.	16	\$96.43	\$1,542.88	1	\$1,542.88
43.00	Run software diagnostics/troubleshoot	16	\$96.43	\$1,542.88	1	\$1,542.88
44.00	Test VES system, align cameras, align flash	24	\$96.43	\$2,314.32	1	\$2,314.32
45.00	PEEK Loop System Tuning	12	\$96.43	\$1,157.16	0	\$0.00
46.00	Commission lane - run/test/debug	16	\$96.43	\$1,542.88	1	\$1,542.88
47.00	Warehouse delivery/support	8	\$70.74	\$565.92	1	\$565.92
48.00	Remove reusable in lane equipment	40	\$70.74	\$2,829.60	0	\$0.00
49.00	Refurbish equipment - ACM	30	\$70.74	\$2,122.20	0	\$0.00
50.00	Civil, conduit, framing, sawcut concrete (loops), etc.			\$920.00	3	\$2,760.00
51.00	Material - conduit, wireway, connectors, cable, etc.			\$6,066.00	1	\$6,066.00
52.00	ACM - assemble/calibrate/test	8	\$70.74	\$565.92	0	\$0.00
53.00	ACM trim plates			\$2,000.00	0	\$0.00
54.00	Additional electrical work in tunnel			\$0.00	0	\$0.00
55.00	Additional electrical material to support 54.00			\$0.00	0	\$0.00
56.00	Saw cut gatorhead for light curtain relief			\$948.75	0	\$0.00
57.00	Install concrete light curtain pad			\$788.00	0	\$0.00
	<u>ENGINEERING</u>					
60.00	Host System Software	40	\$131.44	\$5,257.60	1	\$5,257.60
61.00	System integration and test	40	\$131.44	\$5,257.60	1	\$5,257.60
62.00	Drafting and engineering support	20	\$70.74	\$1,414.80	1	\$1,414.80
	TOTAL					\$186,192.95

EXHIBIT B

Page 1

ITEM NO.	Quote - 528 Conway 2 Lane WB Off Ramp Legacy Equipment			Price	Qty	Extended Price
	EQUIPMENT					
1.00	Adjustable Canopy Mount			\$1,600	1	\$1,600
2.00	AVI H Bracket			\$700	2	\$1,400
3.00	AVI Reader			\$11,500	2	\$23,000
4.00	Manual Lane Terminal			\$2,295	0	\$0
5.00	ACM complete assembly			\$105,819	0	\$0
6.00	LCII Lane Controllers			\$10,500	2	\$21,000
7.00	Patron Toll Displays			\$4,400	2	\$8,800
8.00	Traffic Control Signal Assembly			\$1,747	2	\$3,494
9.00	PEEK Axle Counter/Seperator			\$58,851	0	\$0
10.00	Transcore ORT Solution			\$0	0	\$0
11.00	Receipt Printer			\$1,208	0	\$0
12.00	Treadle Frames - 4 insert type			\$4,944	0	\$0
13.00	Treadle Inserts			\$1,420	0	\$0
14.00	Light Curtain assembly			\$6,132	2	\$12,264
15.00	Magnetic Card Reader			\$371	1	\$371
16.00	VES system EN500, LED flash, P/S, J-Panel			\$17,042	2	\$34,084
17.00	VES Image Server			\$4,925	1	\$4,925
18.00	UPS - Ramp			\$6,688	1	\$6,688
19.00	2 post server rack w/4shelves			\$545	1	\$545
20.00	Ramp Lane Server			\$4,925	2	\$9,850
21.00	Coin Vaults			\$1,213	25	\$30,325
22.00						
	INSTALLATION	Labor hours	Labor rate			
30.00	Project Management	77	\$137.15	\$10,253.00	1	\$10,560.55
31.00	Mobilization	40	\$70.74	\$2,829.60	2	\$5,659.20
32.00	Mount wire ways, conduit, controller boxes	72	\$70.74	\$5,093.28	2	\$10,186.56
33.00	Pull clean power circuits	24	\$70.74	\$1,697.76	2	\$3,395.52
34.00	Pull dirty circuits	24	\$70.74	\$1,697.76	2	\$3,395.52
35.00	Pull data wire	36	\$70.74	\$2,546.64	2	\$5,093.28
36.00	Install all in-lane equipment	96	\$70.74	\$6,791.04	2	\$13,582.08
37.00	Terminate clean and dirty power circuits	24	\$70.74	\$1,697.76	2	\$3,395.52
38.00	Align, test light curtains	16	\$70.74	\$1,131.84	2	\$2,263.68
39.00	Test/tune/AVI pattern/read zone	12	\$70.74	\$848.88	2	\$1,697.76
40.00	Terminate data wire, fiber, LC, VES, AVI, etc.	96	\$70.74	\$6,791.04	2	\$13,582.08
41.00	Run hardware diagnostics	8	\$70.74	\$565.92	2	\$1,131.84
42.00	Lane Software: config file/disk prep.	16	\$96.43	\$1,542.88	2	\$3,085.76
43.00	Run software diagnostics/troubleshoot	16	\$96.43	\$1,542.88	2	\$3,085.76
44.00	Test VES system, align cameras, align flash	24	\$96.43	\$2,314.32	2	\$4,628.64
45.00	PEEK Loop System Tuning	12	\$96.43	\$1,157.16	0	\$0.00
46.00	Commission lane - run/test/debug	16	\$96.43	\$1,542.88	2	\$3,085.76
47.00	Warehouse delivery/support	8	\$70.74	\$565.92	2	\$1,131.84
48.00	Remove reusable in lane equipment	40	\$70.74	\$2,829.60	0	\$0.00
49.00	Refurbish equipment - ACM	4	\$70.74	\$282.96	0	\$0.00
50.00	Civil, conduit, framing, sawcut concrete (loops), etc.			\$920.00	6	\$5,520.00
51.00	Material - conduit, wireway, connectors, cable, etc.			\$6,066.00	2	\$12,132.00
52.00	ACM - assemble/calibrate/test	6	\$70.74	\$424.44	0	\$0.00
53.00	ACM trim plates	1		\$2,000.00	1	\$2,000.00
54.00	Additional electrical work in tunnel			\$0.00	0	\$0.00
55.00	Additional electrical material to support 54.00			\$0.00	0	\$0.00
56.00	Saw cut gatorhead for light curtain relief			\$948.75	0	\$0.00
57.00	Install concrete light curtain pad			\$788.00	2	\$1,576.00
58.00	ACM-uninstall, secure opening, remove tunnel components, transport, prep&paint cabinet, tune the mechanicals, install, move antenna, new lane build.			\$9,157.18	1	\$9,157.18
	ENGINEERING					
60.00	Host System Software	30	\$131.44	\$3,943.20	1	\$3,943.20
61.00	System integration and test	40	\$131.44	\$5,257.60	1	\$5,257.60
62.00	Drafting and engineering support	20	\$70.74	\$1,414.80	1	\$1,414.80
					total	\$288,308.13

EXHIBIT B

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ITEM NO.	Quote - 528 McCoy 2 Lane WB Off Ramp Legacy Equipment			Price	Qty	Extended Price
<u>EQUIPMENT</u>						
1.00	Adjustable Canopy Mount			\$1,600	1	\$1,600
2.00	AVI H Bracket			\$700	2	\$1,400
3.00	AVI Reader			\$11,500	2	\$23,000
4.00	Manual Lane Terminal			\$2,295	0	\$0
5.00	ACM complete assembly			\$105,819	0	\$0
6.00	LCII Lane Controllers			\$10,500	2	\$21,000
7.00	Patron Toll Displays			\$4,400	2	\$8,800
8.00	Traffic Control Signal Assembly			\$1,747	2	\$3,494
9.00	PEEK Axle Counter/Seperator			\$58,851	0	\$0
10.00	Transcore ORT Solution			\$0	0	\$0
11.00	Receipt Printer			\$1,208	0	\$0
12.00	Treadle Frames - 4 insert type			\$4,944	0	\$0
13.00	Treadle Inserts			\$1,420	0	\$0
14.00	Light Curtain assembly			\$6,132	2	\$12,264
15.00	Magnetic Card Reader			\$371	1	\$371
16.00	VES system EN500, LED flash, P/S, J-Panel			\$17,042	2	\$34,084
17.00	VES Image Server			\$4,925	1	\$4,925
18.00	UPS - Ramp			\$6,688	1	\$6,688
19.00	2 post server rack w/4shelves			\$545	1	\$545
20.00	Ramp Lane Server			\$4,925	2	\$9,850
21.00	Coin Vaults			\$1,213	25	\$30,325
22.00						
<u>INSTALLATION</u>						
		Labor hours	Labor rate			
30.00	Project Management	77	\$137.15	\$10,253.00	1	\$10,560.55
31.00	Mobilization	40	\$70.74	\$2,829.60	2	\$5,659.20
32.00	Mount wire ways, conduit, controller boxes	72	\$70.74	\$5,093.28	2	\$10,186.56
33.00	Pull clean power circuits	24	\$70.74	\$1,697.76	2	\$3,395.52
34.00	Pull dirty circuits	24	\$70.74	\$1,697.76	2	\$3,395.52
35.00	Pull data wire	36	\$70.74	\$2,546.64	2	\$5,093.28
36.00	Install all in-lane equipment	96	\$70.74	\$6,791.04	2	\$13,582.08
37.00	Terminate clean and dirty power circuits	24	\$70.74	\$1,697.76	2	\$3,395.52
38.00	Align, test light curtains	16	\$70.74	\$1,131.84	2	\$2,263.68
39.00	Test/tune/AVI pattern/read zone	12	\$70.74	\$848.88	2	\$1,697.76
40.00	Terminate data wire, fiber, LC, VES, AVI, etc.	96	\$70.74	\$6,791.04	2	\$13,582.08
41.00	Run hardware diagnostics	8	\$70.74	\$565.92	2	\$1,131.84
42.00	Lane Software: config file/disk prep.	16	\$96.43	\$1,542.88	2	\$3,085.76
43.00	Run software diagnostics/troubleshoot	16	\$96.43	\$1,542.88	2	\$3,085.76
44.00	Test VES system, align cameras, align flash	24	\$96.43	\$2,314.32	2	\$4,628.64
45.00	PEEK Loop System Tuning	12	\$96.43	\$1,157.16	0	\$0.00
46.00	Commission lane - run/test/debug	16	\$96.43	\$1,542.88	2	\$3,085.76
47.00	Warehouse delivery/support	8	\$70.74	\$565.92	2	\$1,131.84
48.00	Remove reusable in lane equipment	40	\$70.74	\$2,829.60	0	\$0.00
49.00	Refurbish equipment - ACM	4	\$70.74	\$282.96	0	\$0.00
50.00	Civil, conduit, framing, sawcut concrete (loops), etc.			\$920.00	6	\$5,520.00
51.00	Material - conduit, wireway, connectors, cable, etc.			\$6,066.00	2	\$12,132.00
52.00	ACM - assemble/calibrate/test	6	\$70.74	\$424.44	0	\$0.00
53.00	ACM trim plates	1		\$2,000.00	1	\$2,000.00
54.00	Additional electrical work in tunnel			\$0.00	0	\$0.00
55.00	Additional electrical material to support 54.00			\$0.00	0	\$0.00
56.00	Saw cut gatorhead for light curtain relief			\$948.75	0	\$0.00
57.00	Install concrete light curtain pad			\$788.00	2	\$1,576.00
58.00	ACM-uninstall, secure opening, remove tunnel components, transport, prep&paint cabinet, tune the mechanicals, install, move antenna, new lane build.			\$9,157.18	1	\$9,157.18
<u>ENGINEERING</u>						
60.00	Host System Software	30	\$131.44	\$3,943.20	1	\$3,943.20
61.00	System integration and test	40	\$131.44	\$5,257.60	1	\$5,257.60
62.00	Drafting and engineering support	20	\$70.74	\$1,414.80	1	\$1,414.80
					total	\$288,308.13

EXHIBIT B

Page 1

ITEM NO.	Quote - 528 McCoy Rebate WB 1 Lane On Ramp Legacy Equipment			Price	Qty	Extended Price
	EQUIPMENT					
1.00	Adjustable Canopy Mount			\$1,600	0	\$0
2.00	AVI H Bracket			\$700	1	\$700
3.00	AVI Reader			\$11,500	1	\$11,500
4.00	Manual Lane Terminal			\$2,295	0	\$0
5.00	ACM complete assembly			\$105,819	0	\$0
6.00	LCII Lane Controllers			\$10,500	1	\$10,500
7.00	Patron Toll Displays			\$4,400	0	\$0
8.00	Traffic Control Signal Assembly			\$1,747	0	\$0
9.00	PEEK Axle Counter/Seperator			\$58,851	1	\$58,851
10.00	Transcore ORT Solution			\$200,000	0	\$0
11.00	Receipt Printer			\$1,208	0	\$0
12.00	Treadle Frames - 4 insert type			\$4,944	0	\$0
13.00	Treadle Inserts			\$1,420	0	\$0
14.00	Light Curtain assembly			\$6,132	0	\$0
15.00	Magnetic Card Reader			\$345	0	\$0
16.00	VES system EN500, LED flash, P/S, J-Panel, Cable, P/S, Sensor			\$17,042	1	\$17,042
17.00	VES Image Server			\$4,925	1	\$4,925
18.00	UPS - Ramp			\$6,688	1	\$6,688
19.00	Dell 2 post server rack w/ 4 shelves			\$545	1	\$545
20.00	Ramp Lane Server - Dell 410			\$4,925	1	\$4,925
21.00						
22.00						
23.00						
		Labor Hours	Labor Rate			
	INSTALLATION					
30.00	Project Management	77	\$137.15	\$10,253.00	1	\$10,560.55
31.00	Mobilization	40	\$70.74	\$2,829.60	1	\$2,829.60
32.00	Mount wire ways, conduit, controller boxes	72	\$70.74	\$5,093.28	1	\$5,093.28
33.00	Pull clean power circuits	24	\$70.74	\$1,697.76	1	\$1,697.76
34.00	Pull dirty circuits	24	\$70.74	\$1,697.76	1	\$1,697.76
35.00	Pull data wire	36	\$70.74	\$2,546.64	1	\$2,546.64
36.00	Install all in-lane equipment	96	\$70.74	\$6,791.04	1	\$6,791.04
37.00	Terminate clean and dirty power circuits	24	\$70.74	\$1,697.76	1	\$1,697.76
38.00	Align, test light curtains	16	\$70.74	\$1,131.84	1	\$1,131.84
39.00	Test/tune/AVI pattern/read zone	12	\$70.74	\$848.88	1	\$848.88
40.00	Terminate data wire, fiber, LC, VES, AVI, etc.	96	\$70.74	\$6,791.04	1	\$6,791.04
41.00	Run hardware diagnostics	8	\$70.74	\$565.92	1	\$565.92
42.00	Lane Software: config file/disk prep.	16	\$96.43	\$1,542.88	1	\$1,542.88
43.00	Run software diagnostics/troubleshoot	16	\$96.43	\$1,542.88	1	\$1,542.88
44.00	Test VES system, align cameras, align flash	24	\$96.43	\$2,314.32	1	\$2,314.32
45.00	PEEK Loop System Tuning	12	\$96.43	\$1,157.16	0	\$0.00
46.00	Commission lane - run/test/debug	16	\$96.43	\$1,542.88	1	\$1,542.88
47.00	Warehouse delivery/support	8	\$70.74	\$565.92	1	\$565.92
48.00	Remove reusable in lane equipment	40	\$70.74	\$2,829.60	0	\$0.00
49.00	Refurbish equipment - ACM	30	\$70.74	\$2,122.20	0	\$0.00
50.00	Civil, conduit, framing, sawcut concrete (loops), etc.			\$920.00	3	\$2,760.00
51.00	Material - conduit, wireway, connectors, cable, etc.			\$6,066.00	1	\$6,066.00
52.00	ACM - assemble/calibrate/test	8	\$70.74	\$565.92	0	\$0.00
53.00	ACM trim plates			\$1,800.00	0	\$0.00
54.00	Additional electrical work in tunnel			\$0.00	0	\$0.00
55.00	Additional electrical material to support 54.00			\$0.00	0	\$0.00
56.00	Saw cut gatorhead for light curtain relief			\$948.75	0	\$0.00
57.00	Install concrete light curtain pad			\$788.00	0	\$0.00
	ENGINEERING					
60.00	Host System Software	40	\$131.44	\$5,257.60	1	\$5,257.60
61.00	System integration and test	40	\$131.44	\$5,257.60	1	\$5,257.60
62.00	Drafting and engineering support	20	\$70.74	\$1,414.80	1	\$1,414.80
	TOTAL					\$186,192.95