

**CITY OF EL PASO, TEXAS
AGENDA ITEM
DEPARTMENT HEAD'S SUMMARY FORM**

DEPARTMENT: International Bridges

AGENDA DATE: July 12, 2011

CONTACT PERSON NAME AND PHONE NUMBER:

**Said Larbi-Cherif, P.E., - International Bridges Director (915) 858-3842
Bruce Collins – Purchasing Manager (915) 541-4313**

DISTRICT(S) AFFECTED: ALL

SUBJECT:

Request that the Purchasing Manager, Financial Services, be authorized to issue a purchase order to The Revenue Markets, Inc. (TRMI) Systems Integration to upgrade and enhance the existing toll collection system. Server located at Zaragoza International Bridge. TRMI is the sole developer, manufacturer and provider of the application software and related customized equipment for the toll collection system. The toll system upgrade will use the latest version of TRMI's highly evolved Guardian toll software suite.

BACKGROUND / DISCUSSION:

Since 1990, International Bridges has used the TRMI Toll Collection System for the collection and management of the tolls at the international bridges. The system is proprietary and is serviced by TRMI. The funding for this upgrade is paid, not by the general fund, but by proceeds from SIB loans that are repaid by toll revenues. The upgrade will provide scalability allowing additional plazas and lanes if required during the system life cycle, interface with the new pedestrian turnstiles at Stanton and Paso Del Norte, new RFID AVI (readers, antennas and tags) with dual protocol, one for International Bridges and another for future interoperability with TxTag, improved management access through the use of browser based applications, new reporting capabilities as well as reduced maintenance and operations costs.

PRIOR COUNCIL ACTION:

City Council awarded Contract 2010 – 170 for the Stanton and Paso Del Norte Facility Improvements to include pedestrian turnstiles and pedestrian toll ticket vending machines.
2006 – 144 Approved June 13, 2006, Item 7B, for the upgrading and enhancing of the toll collection system.

AMOUNT AND SOURCE OF FUNDING:

Department:	International Bridges
Amount:	\$1,772,698.27
Funds Available:	32000080-508010-43019-PCP10IB001F
Funds Source:	International Bridge Revenue – SIB Loans

BOARD / COMMISSION ACTION:

Enter appropriate comments or N/A

*****REQUIRED AUTHORIZATION*****

DEPARTMENT HEAD:


6/23/11

(If Department Head Summary Form is initiated by Purchasing, client department should sign also)

Information copy to appropriate Deputy City Manager



**FINANCIAL SERVICES
PURCHASING DIVISION**

SOLE SOURCE AFFIDAVIT

THIS IS AN OFFICIAL PURCHASING DOCUMENT - RETAIN WITH PURCHASE ORDER FILE

Before me, the undersigned official, on this day, personally appeared Thomas Kramek, a person known to me to be the person whose signature appears below, whom after being duly sworn upon his/her oath deposed and said:

1. My name is Thomas Kramek. I am over the age of 18, have never been convicted of a crime and am competent to make this affidavit.
2. I am an authorized representative of the following company or firm: TRMI Systems Integration
3. The above named company or firm is the sole source for the following item(s), product(s) or service(s):
City of El Paso Pedestrian and Traffic Revenue System Toll Collection System Upgrade for City of El Paso International Bridges
4. Competition in providing the above named item(s) product(s), service(s) is precluded by the existence of a patent, copyright, secret process or monopoly as stated under Section 252.022, Subchapter A of the Local Governmental Code 7A or as provided for under 7B-F of the same section. Also, attached hereto is a sole source letter, which sets forth the reasons why this Vendor is a sole source provider (dated and signed).
5. There is/are no other like item(s) or product(s) available for purchase that would serve the same purpose or function.
6. **Note: This Vendor understands that by providing false information on this Sole Source Affidavit, it may be considered a non-responsible Vendor on this and future purchases and may result in discontinuation of any/all business with the City of El Paso.**

Thomas Kramek
Signature

SUBSCRIBED AND SWORN to before me on this 10th day of March, 2011.

MARCY NIGRO PARIS
Notary Public, State of New York
NYS Reg. # 01NI6025091
Qualified in Ulster County
Commission Expires May 17, 2011

Marcy Nigro Paris
NOTARY PUBLIC
Marcy Nigro Paris
PRINTED NAME
May 17, 2011
MY COMMISSION EXPIRES

COMPANY NAME: TRMI Inc. / The Revenue Markets Inc
ADDRESS, CITY, STATE & ZIP CODE Po Box 10 - 5120 Route 209 Accord NY 12404
PHONE: 845-626-8455 FAX NUMBER: 845-626-2492
CONTACT NAME AND TITLE: Thomas Kramek, VP Engineering
WEB ADDRESS: www.trmi.com EMAIL: tkramek@trmi.com
FEDERAL TAX ID NUMBER: 14-1560054 TEXAS SALES TAX NUMBER: _____

PO BOX 10

5120 ROUTE 209

ACCORD NY 12404

P 845.626.8655

F 845.626.2492

WWW.TRMI.COM



March 10, 2011

International Bridge System
City of El Paso
El Paso Texas
Fax (915) 860-9932

Re: Sole Source Affidavit

To whom it may concern:

The Revenue Markets, Inc. (TRMI) provides several systems and components to the City of El Paso which are eligible for sole source procurement. TRMI integrated and installed the computerized toll collection system in use at the three International Bridges for the City of El Paso.

The Pedestrian and Traffic Revenue System being installed at the Plaza Del Norte and Stanton Street Bridges ties directly into the TRMI toll collection system revenue accounting and auditing functions.

The Toll Collection System Upgrade for the City of El Paso International Bridges is an update of the existing system which was provided to the city of El Paso by TRMI.

We are the only integrator of record who can install and produce changes to these systems to our design and specifications. We know of no other system integrator who produces a product of equal design.

Thank you for your interest in TRMI products and services.

Sincerely,

A handwritten signature in cursive script that reads 'Thomas Kramek'.

Thomas Kramek
Vice President of Engineering
TRMI Systems Integration

PROJECT FORM

DATE: July 11, 2011
PROJECT: Toll Collection System Upgrade
SOLICITATION: 2011-303 – Sole Source
FUNDING SOURCE: SIB Loan – Data Processing Equipment
DEPARTMENT: International Bridges
DISTRICT(S): All

AGENDA DATE: July 12, 2011
CONTRACTOR: The Revenue Markets, Inc., Accord, NY
TOTAL AMOUNT: \$1,772,698.27

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The upgrade will provide scalability allowing additional plazas and lanes if required during the system life cycle, interface with the new pedestrian turnstiles at Stanton and Paso Del Norte, new RFID AVI (readers, antennas and tags) with dual protocol, one for International Bridges and another for future interoperability with TxTag for the collection of non-cash tolls, improved management access through the use of browser based applications, new reporting capabilities as well as reduced maintenance and operations costs.

DESCRIPTION:	
Project Management and Professional Services:	\$ 151,294.50
TRMI Software:	\$ 330,480.00
TRMI Documentation:	\$ 18,120.00
TRMI Testing:	\$ 52,650.00
3 rd Party Software:	\$ 11,400.00
Pedestrian Lanes:	\$ 122,834.32
Lane Equipment:	\$ 343,234.84
Plaza Central Equipment:	\$ 55,754.76
Installation and Validation:	\$ 105,657.75
Shipping:	\$ 4,200.00
In-House System:	\$ 7,251.95
Support/Warranty:	\$ 87,372.21
Traffic Control LED Signage:	\$ 293,191.05
DVR System:	\$ 28,102.50
Contingency:	\$ 161,154.39
	<u>\$1,772,698.27</u>

APPROVED:


Said Larbi-Cherif, P.E.,
Director, International Bridges

El Paso Toll Collection System Upgrade Pricing

Qty	Description		Pricing	Unit Rate	Overhead	Profit	Cost
					120%	1.12 12%	
	TRMI Project Management and TRMI System Mobilization Engineering - system, network, & HW System Setup and Support Mech. Design and CADD Purchasing Production Supervision Quality Control Travel - PM & Development Training Prep On-Site Training	Project TRMI System Engineering - System Setup and Mech. Design and Purchasing Production Quality Control Travel - PM & Training Prep On-Site Training	\$ 151,294.50	\$ 75.00	\$90.00	\$19.80	\$184.80
	TRMI Software Lane Plaza Admin Reports Data Processor Plaza Monitor Account Server OLA Database Ped Integration Ad-hoc Repors Software Management Documentation - SW Miscellaneous SW per JGE		\$ 330,480.00	\$ 75.00	\$90.00	\$19.80	\$184.80
	TRMI Documentation System Specification System Design Document Manuals		\$ 18,120.00	\$ 75.00	\$90.00	\$19.80	\$184.80
	TRMI Testing		\$ 52,650.00	\$ 75.00	\$90.00	\$19.80	\$184.80

HW Test
 Integration Testing
 Bank I/F testing
 System Testing
 Factory Acceptance Test
 On-Site Installation Testing
 System Acceptance Test

3rd Party Software \$ 11,400.00

2 Oracle Database 11G ESE	\$ 3,750.00	\$ 450.00	\$ 8,400.00
1 Izenda Ad Hoc tool	\$ 2,678.57	\$ 321.43	\$ 3,000.00

Pedestrian Lanes \$ 122,834.32

1 Left Ped Module w/ ticker reader and	\$ 17,142.86	\$ 2,057.14	\$ 19,200.00
1 Center Ped Module w/ ticker reader	\$ 17,142.86	\$ 2,057.14	\$ 19,200.00
1 Right Red Module w/ ticker reader and	\$ 17,142.86	\$ 2,057.14	\$ 19,200.00
2 User Kiosks	\$ 19,285.71	\$ 2,314.29	\$ 43,200.00
50 Ticket Box (5k each)	\$ 118.93	\$ 14.27	\$ 6,660.00
1 Windows 7	\$ -	\$ -	\$ -
1 Lane Computer	\$ 1,659.64	\$ 199.16	\$ 1,858.80
1 Serial Interface / Terminal Server	\$ 543.92	\$ 65.27	\$ 609.19
1 Power Supply 5V / 12V	\$ 56.79	\$ 6.81	\$ 63.60
1 Lane Interface Panel	\$ 98.57	\$ 11.83	\$ 110.40
1 Cabling	\$ 37.50	\$ 4.50	\$ 42.00
12 Panel assembly labor	\$ 75.00	\$90.00	\$ 19.80
7 Lane Computer setup	\$ 75.00	\$90.00	\$ 19.80
1 Count Out Workstation	\$ 741.32	\$ 88.96	\$ 830.28
1 Count Out Display - 19"	\$ 154.29	\$ 18.51	\$ 172.80
1 Internal spares for wide lane MPR	\$ 7,178.57	\$ 861.43	\$ 8,040.00
1 Spare photo eyes	\$ 1,500.00	\$ 180.00	\$ 1,680.00
1 Gate End LED pictograms	\$ 267.86	\$ 32.14	\$ 300.00

Lane Equipment \$ 343,234.84

17 RF AVI Reader Identity 5100	\$ 4,339.29	\$ 520.71	\$ 82,620.00
17 Cable IDS5100	\$ 219.64	\$ 26.36	\$ 4,182.00
17 Power Supply	\$ -	\$ -	\$ -
10000 Tags - ISO18000 6C	\$ 4.02	\$ 0.48	\$ 45,000.00
10000 Custom Logo	\$ 0.11	\$ 0.01	\$ 1,200.00

0 24"x24"x8" Aluminum NEMA enclosure	\$ -	\$ -	\$ -
16 mounting brackets	\$ 214.29	\$ 25.71	\$ 3,840.00
17 Fan - 5"	\$ 15.27	\$ 1.83	\$ 290.70
17 Filter	\$ 12.86	\$ 1.54	\$ 244.80
17 Louver	\$ 8.57	\$ 1.03	\$ 163.20
17 Lane Computer	\$ 1,659.46	\$ 199.14	\$ 31,596.20
17 Windows 7	\$ -	\$ -	\$ -
60 Lane Computer Setup	\$ 78.35	\$ 9.40	\$ 5,265.00
Receipt Printer	\$ 288.21	\$ 34.59	\$ -
17 Ethernet Switch	\$ 46.07	\$ 5.53	\$ 877.20
0 RocketPort INFINITY 8-Port	\$ 213.50	\$ 25.62	\$ -
0 RocketPort 8-Port DB9 Interface	\$ 230.32	\$ 27.64	\$ -
17 Serial Interface / Terminal Server	\$ 543.92	\$ 65.27	\$ 10,356.23
17 Loop Detector - 1 channel	\$ 84.64	\$ 10.16	\$ 1,611.60
17 Loop Detector cable	\$ 17.14	\$ 2.06	\$ 326.40
17 Loop Detector bracket	\$ 12.86	\$ 1.54	\$ 244.80
11 Traffic Gate	\$ 3,530.36	\$ 423.64	\$ 43,494.00
30 Traffic Gate Arm - aluminum	\$ 274.50	\$ 32.94	\$ 9,223.20
7 Photo Eye w/bracket	\$ 93.21	\$ 11.19	\$ 730.80
0 3 aspect traffic light with	\$ 332.14	\$ 39.86	\$ -
0 Violation Alarm	\$ -	\$ -	\$ -
17 Patron Fare Display	\$ 1,382.14	\$ 165.86	\$ 26,316.00
17 PFD mounting gasket	\$ 26.79	\$ 3.21	\$ 510.00
17 PFD mounting bracket	\$ -	\$ -	\$ -
17 Opto 22 Rack	\$ 37.50	\$ 4.50	\$ 714.00
51 Opto 22 Modules	\$ 13.39	\$ 1.61	\$ 765.00
17 Opto 22 Modules	\$ 13.39	\$ 1.61	\$ 255.00
36 DIN Rail (feet)	\$ 2.14	\$ 0.26	\$ 86.40
265 DIN Terminal Block	\$ 0.86	\$ 0.10	\$ 254.40
34 DIN End Block	\$ 0.86	\$ 0.10	\$ 32.64
17 DIN GND Block	\$ 2.57	\$ 0.31	\$ 48.96
17 DIN Mount Circuit Breaker - 5A	\$ 11.05	\$ 1.33	\$ 210.46
0 Power Supply - 24V	\$ -	\$ -	\$ -
17 Power Supply 5V / 12V	\$ 56.79	\$ 6.81	\$ 1,081.20
17 Lane Interface Panel	\$ 98.57	\$ 11.83	\$ 1,876.80
17 Cabling	\$ 37.50	\$ 4.50	\$ 714.00
204 Panel Assembly & Test Labor	\$ 75.00	\$90.00	\$ 37,699.20
17 SLI Card	\$ 1,017.86	\$ 122.14	\$ 19,380.00

17 Touchscreen Monitor	\$ 1,009.42		\$ 121.13	\$ 19,219.35
1 Sirit/onsite	\$ 12,142.86		\$ 1,457.14	\$ 13,600.00
UPS				
Stanchion				
Bar Code Reader - OSI				
Bar Code Reader - handheld				
Canopy Light				
Video cameras				
Plaza / Central Equipment	\$ 55,754.76			
1 Central App Server	\$ 5,529.64		\$ 663.56	\$ 6,193.20
2 Plaza App Server	\$ 5,529.64		\$ 663.56	\$ 12,386.40
1 Database Server	\$ 5,419.29		\$ 650.31	\$ 6,069.60
1 OLA Server	\$ 3,895.71		\$ 467.49	\$ 4,363.20
1 Central Rack UPS - 220V in	\$ 3,879.64		\$ 465.56	\$ 4,345.20
2 Network Switch	\$ 259.23		\$ 31.11	\$ 580.68
6 Count Out Workstation	\$ 741.32		\$ 88.96	\$ 4,981.68
6 Count Out Display - 19"	\$ 154.29		\$ 18.51	\$ 1,036.80
6 Count Out Printer	\$ 350.36		\$ 42.04	\$ 2,354.40
1 Network Security Device	\$ 3,083.57		\$ 370.03	\$ 3,453.60
2 Text Inserter	\$ 482.14		\$ 57.86	\$ 1,080.00
48 Network Setup	\$ 75.00	\$90.00	\$ 19.80	\$ 8,870.40
40 System Setup	\$ 75.00	\$90.00	\$ 19.80	\$ 7,392.00
WAN Routers				
Equipment Rack				
Rackmount KVM				
Installation & Validation	\$ 105,657.75			
1 Install Travel	\$ 14,030.36		\$ 1,683.64	\$ 15,714.00
16 Pre-Install - Lane conduit & wire - gates	\$ 1,446.43		\$ 173.57	\$ 25,920.00
15 Install Lanes	\$ 2,585.49		\$ 310.26	\$ 43,436.25
7 lift truck rental	\$ 150.67		\$ 18.08	\$ 1,181.25
45 Validate Lanes	\$ 90.40		\$ 10.85	\$ 4,556.25
1 Install Central	\$ 2,712.05		\$ 325.45	\$ 3,037.50
2 Install Plazas	\$ 1,898.44		\$ 227.81	\$ 4,252.50
32 Validate Plaza & Central	\$ 90.40		\$ 10.85	\$ 3,240.00
12 Signal Cabling & connectors	\$ 53.57		\$ 6.43	\$ 720.00
12 Installation Parts, conduit etc.	\$ 267.86		\$ 32.14	\$ 3,600.00

0 Network to booth
 0 Power to booth

Shipping	\$	4,200.00			
1 Equipment to El Paso	\$	3,750.00	\$	450.00	\$ 4,200.00
In-House System	\$	7,251.95			
1 Plaza App Server	\$	1,531.25	\$	183.75	\$ 1,715.00
1 Database Server	\$	1,602.68	\$	192.32	\$ 1,795.00
1 Network Switch	\$	216.03	\$	25.92	\$ 241.95
1 Lane Controller	\$	3,125.00	\$	375.00	\$ 3,500.00
Support / Warranty	\$	87,372.21			
50 Post Installation System Support	\$	90.40	\$	10.85	\$ 5,062.50
50 Post Installation Maintenance	\$	53.25	\$63.90	\$ 14.06	\$ 6,560.40
2 Oracle Maintenance	\$	712.50	\$	85.50	\$ 1,596.00
1 Izenda Maintenance	\$	535.71	\$	64.29	\$ 600.00
1 Warranty	\$	54,219.83	\$	6,506.38	\$ 60,726.21
1 protection	\$	13,392.86	\$	1,607.14	\$ 15,000.00

TOTAL \$ 1,290,250.33

El Paso Toll Collection System - VMS Option 1 Pricing

Qty	Description	Pricing			
16	48x24 amber monochrome LED sign	\$ 7,452.52	\$	894.30	\$ 133,549.12
3	Sign controller cabinet	\$ 11,451.79	\$	1,374.21	\$ 38,478.00
1	Spare controller parts	\$ 3,214.29	\$	385.71	\$ 3,600.00
1	Shipping	\$ 4,821.43	\$	578.57	\$ 5,400.00
17	Remote control enclosure	\$ 176.79	\$	21.21	\$ 3,366.00
	Assembly & Test	\$ 75.00	\$90.00		\$19.80
	Installation components	\$ 75.00	\$90.00		\$19.80
	Engineering	\$ 75.00	\$90.00		\$19.80
	Installation	\$ 75.00	\$90.00		\$19.80

TOTAL \$ 238,797.29

El Paso Toll Collection System - VMS Option 2 Pricing

Qty	Description	Pricing			
15	48x128 multi color LED sign	\$ 13,909.71		\$ 1,669.17	\$ 233,683.20
15	RS-422 communication kit	\$ -		\$ -	\$ -
15	Switch Interface	\$ -		\$ -	\$ -
1	Spare parts kit	\$ 9,930.00		\$ 1,191.60	\$ 11,121.60
1	Shipping	\$ 4,821.43		\$ 578.57	\$ 5,400.00
17	Remote control switch & enclosure	\$ 176.79		\$ 21.21	\$ 3,366.00
1	Assembly & Test	\$ 43,410.94		\$ 5,209.31	\$ 48,620.25
	Installation components	\$ 75.00	\$90.00	\$19.80	\$184.80
	Engineering	\$ 75.00	\$90.00	\$19.80	\$184.80
	Installation	\$ 75.00	\$90.00	\$19.80	\$184.80
TOTAL		\$ 293,191.05			

El Paso Toll Collection System - DVR Option Pricing

Qty	Description	Pricing			
	Engineering	\$ 75.00	\$90.00	\$19.80	\$184.80
	Software - DVR Integration	\$ 75.00	\$90.00	\$19.80	\$184.80
	Installation	\$ 75.00	\$90.00	\$19.80	\$184.80
	Software - Reports	\$ 75.00	\$90.00	\$19.80	\$184.80
2	Pelco DVR - 1TB	\$ 7,714.29		\$ 925.71	\$ 17,280.00
2	Cable Sets	\$ 160.71		\$ 19.29	\$ 360.00
	Text Inserter	\$ 482.14		\$ 57.86	
	Test	\$ 78.35		\$ 9.40	
TOTAL		\$ 28,102.50			



City of El Paso

International Bridges

Toll Collection System Upgrade



This Report Discusses the Current State of the Toll Collection System, the
Planned Upgrade and Future Upgrades

This Report Also Discusses the possible Integration of Toll System with Parking
Meter Program

Current Toll System





ERROR: stackunderflow
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