



Rahm Emanuel  
Mayor

Department of Police • City of Chicago  
3510 S. Michigan Avenue • Chicago, Illinois 60653

Garry F. McCarthy  
Superintendent of Police

September 29, 2015

Djana Martin  
MuckRock  
[20268-86460183@requests.muckrock.com](mailto:20268-86460183@requests.muckrock.com)

Re: NOTICE OF RESPONSE TO FOIA REQUEST  
REQUEST DATE: August 10, 2015  
FOIA FILE NO.: 15-4517

Dear Ms. Martin:

The Chicago Police Department (CPD) is in receipt of your Freedom of Information Act (FOIA) request for:

"records pertaining to mobile biometric technologies, including fingerprint/thumbprint collection, facial recognition, scans of the iris or other elements of the human eye, Rapid DNA and tattoo recognition, as well as other biometric technologies I have not identified:

1. Purchasing and procurement documents, including but not limited to: purchase orders, RFPs responses to RFPs invoices and contracts;
2. Policy, procedural and training documents, including but not limited to: use policies, standard operating procedures, training materials, presentations, privacy assessments, data retention policies and other guidelines;
3. Programming documents, including but not limited to: funding opportunity announcements, grant applications and grantor status/progress reports, reports to legislative bodies, annual reports;
4. Audit documents, including but not limited to: audits of the system, misuse reports, and reports to oversight bodies;

In addition to the above classes of documents, I am also seeking the following information:

- a. The total number of individuals whose biometric data has been collected over the last three years;
- b. The total number of [biometric data points] contained in the agency's database;
- c. The retention period for biometric data;
- d. The total number of biometric devices purchased and in use;
- e. The total number of authorized users of biometric devices;
- f. Which external agencies and entities have access to biometric data in the database and under what conditions;
- g. Whether biometric data is combined with biographic data such as name and address in the database; and
- h. The process by which data is entered into the database."

Your request was reviewed by the undersigned, the Chicago Police Department's Information Technology Division, Finance Division, Mass Transit Division, Crime Prevention and Information Center, Records Section, the Bureau of Detectives, and Office of Crime Control Strategies. Pursuant to our email correspondence, we agreed to an October 1, 2015 deadline for the production of records related to your request.

Please note that the Chicago Police Department uses only facial recognition technology and one mobile fingerprint identification device used specifically in the morgue to identify unknown subjects via fingerprints.

For part one of your request, for "purchase orders, RFPs, responses to RFP and contracts", the Chicago Police Department has no responsive records. Please note that each City Department is a "Public Body" under Section 2 of FOIA, 5 ILCS 140/2(a). See Duncan Publishing Inv v, City of Chicago, 304ILL.App.3d 778, 784, 709 N.E. 2d 1281, 1282 (1<sup>st</sup> Dist 1999) (Clearly, each of the individual departments are subsidiary bodies

---

Emergency and TTY: 9-1-1 • Non Emergency and TTY: (within city limits) 3-1-1 • Non Emergency and TTY: (outside city limits) (312) 746-6000

E-mail: [police@cityofchicago.org](mailto:police@cityofchicago.org) • Website: [www.cityofchicago.org/police](http://www.cityofchicago.org/police)

Chicago PD

GeorgetownCPT 008667 FRT

of the city and are "public bodies" as defined by the FOIA). A FOIA request must be directed to the department that maintains the records you're seeking. For your request for invoices, you are being provided with sixteen pages of invoices, from System Solutions regarding the purchasing of facial recognition and mobile identification technology. These records are being provided with certain redactions under the Freedom of Information Act.

Employee numbers, home or personal telephone numbers and signatures are exempt and have been redacted. The redacted information is exempt from disclosure under 5 ILCS 140/7(1)(b) of the Freedom of Information Act, which exempts "private information, unless disclosure is required by another provision of this Act, a State or federal law or court order." "Private information" is defined in section 2(c-5) as "unique identifiers, including a person's social security number, driver's license number, employee identification number, biometric identifiers, personal financial information, passwords or other access codes, medical records, home or personal telephone numbers, and personal email addresses." 5 ILCS 140/2(c-5). Therefore, the Chicago Police Department properly redacted employee numbers, home or personal telephone numbers, and signatures.

For part two of your request, "policy, procedural and training documents, including but not limited to: use policies, standard operating procedures, training materials, presentations, privacy assessments, data retention policies and other guidelines," you are being provided with Department Notice D13-11, Facial Recognition Technology. This Notice provides responsibilities and procedures used by the Bureau of Detectives when using facial recognition technology. For the policy, procedure and training documents of the mobile fingerprint technology, the Chicago Police Department has no responsive records.

For part three of your request, " programming documents, including but not limited to: funding opportunity announcements, grant applications and grantor status/progress reports, reports to legislative bodies, annual reports," you are being provided with the Department of Homeland Security Grant Programs Directorate, Cooperative Agreement, Award Continuation Sheet, Project Summary, FY2010 Transit Security Grant Program (TSGP) Budget Narrative and Detail for Award Number 2010-RA-T0-K044, a total of 27 pages. You are also being provided with the Department of Homeland Security Programs Directorate, Cooperative Agreement, Award Continuation Sheet, Project Summary, and Budget Revision, dated September 12, 2012 for Award Number 2009-RA-T9-K016, a total of 18 pages.

For part four of your request, "audit documents, including but not limited to: audits of the system, misuse reports, and reports to oversight bodies," the Chicago Police Department has no responsive records.

For parts a through h, your request is essentially seeking an answer to questions. Please note that the Illinois FOIA statute requires the City to produce records. See 5 ILCS 140/3(a) ("Each public body shall make available to any person for inspection or copying all public records, except as otherwise provided in section 7 of this Act.") 5 ILCS 140/3.3 provides that FOIA "...is not intended to compel public bodies to interpret or advise requesters as to the meaning or significance of public records." Moreover, in Kenyon v. Garrels, 184 Ill. App. 3d 28, 32 (4th Dist. 1989) the Illinois Appellate Court noted that FOIA "...does not compel the agency to provide answers to questions posed by the inquirer." As such, the CPD is under no obligation to answer questions, and is not providing a response to the last portion of your request.

If you need any further assistance you may contact the undersigned at 312-745-5308 or the following address:

Chicago Police Department  
Attention: Freedom of Information Officer  
Office of Legal Affairs  
3510 S. Michigan Ave.  
Chicago, IL 60653

  
Sincerely,

P.O. K. Tierney #12672  
Freedom of Information Officer  
Department of Police  
Office of Legal Affairs

You have a right of review by the Illinois Attorney General's Public Access Counselor (PAC). You can file a request for review by writing to:

Public Access Counselor  
Office of the Attorney General  
500 S. 2nd Street  
Springfield, Illinois 62706  
Phone: 312-814-5526 or 1-877-299-FOIA (1-877-299-3642)  
Fax: 217-782-1396 E-mail: [publicaccess@atg.state.il.us](mailto:publicaccess@atg.state.il.us)

If you choose to file a Request for Review with the PAC, you must do so within 60 calendar days of the date of this denial letter. 5ILCS 140-9.5(a). When filing a Request for Review, you must include a copy of the original FOIA request and this denial letter. You may also seek judicial review of a denial under 5 ILCS 140/11 by filing a lawsuit in the State Circuit Court.



3630 Commercial Ave, Northbrook, IL 60062  
Phone : 847-272-6160 Fax : 847-272-8465

QUOTE: 131500-000

Cust No:	PO #:	Date:	11/20/13
Sales person: DH	Cust Ref:	Proj Ref:	
Name: CITY OF CHICAGO-CPD	Ship To: CITY OF CHICAGO-CPD		
Attention: DANIEL HODGES-ACCTS PAYBALE	DANIEL HODGES		
Address: 1411 W. MADISON ST. CHICAGO IL 60607	1411 W. MADISON ST. CHICAGO	IL	60607
Phone: 312-746-5770	312-745-5770		
Email: DANIEL.HODGES@CHICAGOPOLICE.ORG			
Shipvia: DROP SHIP	Partial:		

Qty	Part No.	Vendor Part #	Description	Comm.Code	Unit Price	Extention
30	MO-TERMINAL	MORPHOIDENT TERMINAL FOR WDOJ AND		20880.98	1,897.00	56,910.00
0		AFIS SUBMISSION, DATA CABLE			0.00	0.00
0		3YR ADVANTAGE WARRANTY			0.00	0.00
30	MO-BLUETOOTH	BLUETOOTH 2.1 USB MICRO ADAPTER		20532.99	28.00	840.00
30	M0-BATTERY	BATTERY 5 PACK REPLACEMENT		20532.99	177.00	5,310.00
30	MO-POLYMER	BLACK POLYMER DEVICE STEEVE		20532.99	0.00	0.00
0					0.00	0.00
0		"PRICE REDUCTION EFFECTIVE 6/15/2009."			0.00	0.00

Total : 63,060.00

All prices Net Cash pre pay FOB Northbrook, Illinois, unless otherwise written agreed terms are established with us. Prices valid 21 days from date above and are based upon purchase of complete package quoted NOT isolated components. Please phone for alternative quotes. Failure to accept Delivery of ordered items will result in a restocking fee of \$50.00 or 25% of retail price of each item whichever is greater. Above price does not include any applicable sales tax. not liable for unintentional inaccuracies and typographical or other errors.

Customer Signature : \_\_\_\_\_

Print date: 11/20/13

Page 1 of 1

# System Solutions Inc.

3630 Commercial Ave. DEPT. A  
Northbrook IL 60062  
(847) 272-6160

**Address:**  
CITY OF CHICAGO - OEMC  
1411 W MADISON STREET  
ATTN: ACCOUNTS PAYABLE  
CHICAGO, IL 60607  
312-746-9411

CITY OF CHICAGO - OEMC  
1411 W MADISON  
RUBEN MADRIGAL PO  
CHICAGO, IL 60607

**INVOICE NO:** 440006  
**DATE:** 03/12/2013

ITEM/DESCRIPTION	DATE/PICKUP	REASON	TYPE	AMOUNT	DISCOUNT
	03/12/2013	DRPSHP	NORTHBROOK	NET30	SM
QTY	Qty	B/O	Part #		
1	1		ING-CTKD4769	Cisco Security Manager 4.1 Pro w/ 50 D	7600.00
1	1		CTC-CIS-R-W-P11	WCS 7.0 to Cisco Prime Infrastructure	758.10
2	2		CTC-CIS-L-P112-	Prime Infrastructure 1.2 - Lifecycle -	
2	2		CTC-CIS-L-P1LMS	Prime Infrastructure LMS 4.2 - 100 Dev	
1	1		CTC-CIS-R-P112-	Prime Infrastructure 1.2 Base License	
1:CTC-CIS-R-W-P11 :S/N->1224J6A2644					
1:CTC-CIS-R-W-P11 :Tag#->900669770001670/FEDEX					

**RECEIVED**  
Office of Emergency Communications

MAR 19 2013  
Finance Division

GOVERNMENT	8,358.10
	8,358.10

NOTICE : ACCOUNTS PASTDUE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH.  
ALL SALES ARE FINAL, ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
IDENTICAL MERCHANDISE. NO REFUNDS WILL BE MADE. PURCHASE DATE  
TITLE OF EQUIPMENTS WILL BE ASSIGNED TO THE PURCHASER.  
\* ITEMS ARE NOT TAXABLE

92774 Customer Signature

to Name \_\_\_\_\_

Date/Time *D MR 13*  
Page 11

# System Solutions Inc.

3630 Commercial Ave. DEPT. A  
Northbrook IL 60062  
(847) 272-6160

**INVOICE**

INVOICE # 440340  
DATE 03/20/2013

**CITY OF CHICAGO - OEMC**  
1411 W MADISON STREET  
ATTN: ACCOUNTS PAYABLE  
CHICAGO, IL 60607  
312-746-9411

**CITY OF CHICAGO - OEMC**  
1411 W MADISON  
RUBEN MADRIGAL PO [REDACTED]  
CHICAGO, IL 60607

ITEM	SHIP DATE	SHIP TO	PO#	NET AMT	
	03/20/2013	DRPSHP	NORTHBROOK	NET30	
QTY	Unit	Ext. Total			
Part #	S/O	Part #	Description	Unit	Ext. Total
2	2	TNG-CILEB307	802.11n CAP 10APs w/CleanAir; 4x4:3SS;	6061.00	12122.00
20	20	ING-CIDJ0509-2	802.11n AP Low Profile Mounting Bracke		
20	20	ING-CIDZ6620-2	Ceiling Grid Clip for Aironet APs - Re		
20	20	CTC-CIS-AIR-CAP	BOM Level AP3600c Bulk PID for A reg d		
2	2	CTC-SWAP360-2	Cisco 3600 Series IOS WIRELESS LAN REC		
2:ING-CILEB307 :Tag#->354197270083494/FEDEX,354197270083487					

**RECEIVED**  
Office of Emergency Communications

MAR 25 2013

<b>GOVERNMENT</b>	<b>Finance Division</b>	12,122.00
		12,122.00

NOTICE : ACCOUNTS PASTDUE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH.  
ALL SALES ARE FINAL. ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
IDENTICAL MERCHANDISE (OR REPLACE IN SOME INSTANCE WITHIN 5 DAYS OF PURCHASE DATE).  
TITLE OF EQUIPMENTS WILL NOT BE TRANSFERRED UNTIL ABOVE INVOICE IS FULLY PAID.  
\* ITEMS ARE NON TAXABLE

92770 Customer Signature

Print Name \_\_\_\_\_

Date/Time 12/25/12  
Page # 1

# System Solutions Inc.

3630 Commercial Ave. DEPT. A  
Northbrook IL 60062  
(847) 272-6160

**INVOICE#**

**INVOICE#** 440379  
**DATE** 03/21/2013

**SELLER**  
**ADDRESS**  
CITY OF CHICAGO - OEMC  
1411 W MADISON STREET  
ATTN: ACCOUNTS PAYABLE  
CHICAGO, IL 60607  
312-746-9411

**BUYER**  
CITY OF CHICAGO - OEMC  
1411 W MADISON  
RUBEN MADRIGAL PO# [REDACTED]  
CHICAGO, IL 60607

ITEM	SHIP DATE	SHIPPING	WEIGHT	TERMS	BREAKAWAY
[REDACTED]	03/21/2013	DRPSHP	NORTHBROOK	NET30	SM

Oty	Qty	BYD	Part#	Description	Unit	Rate
2	2		ING-CI8E8095	SMARTNET BX5XNBB Cisco 5508 Series	1920.00	3840.00
2	2		THD-CIO647452Z	ASA 5585-X Chas w/SSP40,IPS SSP-40,12G	74098.10	148196.20
2	2		THD-CIK10244A8	ASA 5585-X IPS Security Services Processor		
2	2		THD-CIK10245A8	ASA 5585-X Security Services Processor		
2	2		CTC-CTS-ASA-VPN	Cisco VPN Client Software (Windows, So		
2	2		CTC-CIS-ASA5500	ASA 5500 Strong Encryption License (3D		
0	0		ING-CIDW7162	ASA 5585-X Hard Drive Blank Slot Cover	30.00	304.00
4	4		CTC-CI-ASA5505P	ASA 5585-X AC Power Supply	950.00	3800.00
2	2		ING-CIDW7193	ASA 5505-X Security Plus License (Enab		
2	2		CTC-CIS-SE-ASA-	ASA 5500-X IPS Software 7.1 for IPS SS		

2:ING-CI8E8095 :Tag#->NOT SHIPPED  
2:THD-CIO647452Z :Tag#->NOT SHIPPED  
0:ING-CIDW7162 :Tag#->NOT SHIPPED  
4:CTC-CI-ASA5505P :Tag#->NOT SHIPPED

**RECEIVED**  
Office of Emergency Communications

MAR 25 2013

Finance Division

SUBTOTAL	TAX	GOVERNMENT	156,140.20
			156,140.20

NOTICE : ACCOUNTS PASTDUE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH.  
ALL SALES ARE FINAL. ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
IDENTICAL MERCHANDISE (OR REPLACE OR SAME ITEMS) WITHIN 5 DAYS OF PURCHASE DATE.  
TITLE OF EQUIPMENT WILL REMAIN WITH System Solutions Inc. UNTIL ABOVE INVOICE IS FULLY PAID  
\* ITEMS ARE NON TAXABLE

92771 Customer Signature

int Name \_\_\_\_\_

Date/Time *1/25/13*  
Page # /

# System Solutions Inc.

3630 Commercial Ave. DEPT. A  
Northbrook IL 60062  
(847) 272-6160

**INVOICE**

**INVOICE #** 440380  
**DATE** 03/21/2013

**NAME:** CITY OF CHICAGO - OEMC  
**ADDRESS:** 1411 W MADISON STREET  
**ATTN:** ACCOUNTS PAYABLE  
**CHICAGO, IL 60607**  
312-746-9411

**NAME:** CITY OF CHICAGO - OEMC  
**ADDRESS:** 1411 W MADISON  
**ATTN:** RUBEN MADRIGAL PO# [REDACTED]  
**CHICAGO, IL 60607**

ITEM #	SHIP-TO	SHIP-TO DATE	SHIP-TO VIA	INVOICE	POLYS	SHIPPING
QTY	SHIP-TO	SHIP-TO DATE	SHIP-TO VIA	INVOICE	POLYS	SHIPPING
4	ING-CIM15967		NEMA 5-15 to IEC-C19 13ft US			
2	ING-CIPA9865		IPS SVC, AR NBD ASA5505-S40P40-K9		20465.40	40930.80
8	THD-ALN409079Q		10GBASE-SR SFP Module		568.10	4544.80
2:ING-CIPA9865 :Tag#->NOT SHIPPED						

**RECEIVED**  
Office of Emergency Communications

MAR 25 2013

Finance Division

**SUPPLIER** 45,475.60  
**SHIP TO**  
**TYPE** GOVERNMENT  
45,475.60

NOTICE : ACCOUNTS PAST DUE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH.  
ALL SALES ARE FINAL. ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
IDENTICAL MERCHANDISE (OR REPLACE ON SOME ITEMS) WITHIN 5 DAYS OF PURCHASE DATE.  
TITLE OF EQUIPMENT WILL REMAIN WITH System Solutions Inc. UNTIL ABOVE INVOICE IS FULLY PAID  
\* ITEMS ARE NON TAXABLE

92772 Customer Signature

Name \_\_\_\_\_

Date/Time 17 MAY 13  
Page # /

# System Solutions Inc.

3630 Commercial Ave. DEPT. A  
Northbrook IL 60062  
(847) 272-6160

**INVOICE**

**INVOICE #** 440382  
**DATE** 03/21/2013

**Address:**  
CITY OF CHICAGO - OEMC  
1411 W MADISON STREET  
ATTN: ACCOUNTS PAYABLE  
CHICAGO, IL 60607  
312-746-9411

CITY OF CHICAGO - OEMC  
1411 W MADISON  
RUBEN MADRIGAL PO#  
CHICAGO, IL 60607

ITEM #	SHIP DATE	SHIP TO	LOC.	TERMS	BOMMRY
	03/21/2013	DRPSHP	NORTHBROOK	NET30	SM
Qty	Scd	S/O	DESCRIPTION	UNIT	TOTAL
40	40	ING-CIQ45408	10GBASE-SR SFP Module		568.10 22724.00
12	12	ING-CIPE4739	Catalyst 3560X 48 Port Data IP Service		4370.00 52440.00
12	12	ING-CIDA9404-1	Catalyst 3K-X 350W AC Power Supply		
12	12	THD-CIO934767X	CAT 3560X IOS UNIVERSAL WITH WEB BASED		
12	12	ING-CIDB0776	SMARTNET 8X5XNBD Catalyst 3560X 48 Port		202.00 3384.00
2	2	THD-CIO808233X	4510R+E Chassis, Two WS-X4748-RJ45V+E,		12540.00 25080.00
2	2	THD-CIO999422X	Paper IP Base License		
2	2	ING-CIDJ0123	Catalyst 4500 E-Series Supervisor, 848		7598.10 15196.20
4	4	ING-CIKT4890-1	Catalyst 4500E 48-Port UPOE 10/100/100		3410.10 13672.40
2	2	ING-CILJ2675	WS-X4748-UPOE+E Upgrade		1140.00 2280.00
40:ING-CIQ45408 :Tag#->NOT SHIPPED					
12:ING-CIPE4739 :Tag#->NOT SHIPPED					
12:ING-CIDA9404-1 :Tag#->NOT SHIPPED					
2:THD-CIO808233X :Tag#->NOT SHIPPED					
2:ING-CIDJ0123 :Tag#->NOT SHIPPED					
4:ING-CIKT4890-1 :Tag#->NOT SHIPPED					
2:ING-CILJ2675 :Tag#->NOT SHIPPED					

RECEIVED  
Office of Emergency Communications

MAR 25 2013

Finance Division

GRAND TOTAL:	134,776.60
TAXES:	134,776.60
GOVERNMENT	

NOTICE : ACCOUNTS PASTDUE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH.  
ALL SALES ARE FINAL. ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
IDENTICAL MERCHANDISE (NO EXCHANGE ON SICK ITEMS). WITHIN 5 DAYS OF PURCHASE DATE.  
TITLE OF EQUIPMENT WILL BE RETURNED WHEN INVOICE IS FULLY PAID  
\* ITEMS ARE NON TAXABLE

92775 Customer Signat

ent Name \_\_\_\_\_

Date/Time 17 May 13  
Page 11

# System Solutions Inc.

3630 Commercial Ave. DEPT. A  
Northbrook IL 60062  
(847) 272-6160

RECEIPT # 489782

## INVOICE

INVOICE # 439695  
DATE 03/05/2013

Name S CITY OF CHICAGO - OEMC  
Address O 1411 W MADISON STREET  
L MFTN: ACCOUNTS PAYABLE  
D CHICAGO, IL 60607  
312-746-9411

S CITY OF CHICAGO - OEMC  
H 1411 W MADISON  
I RUBEN MADRIGAL PO# [REDACTED]  
P CHICAGO, IL 60607

P.O. #	SHIP DATE	SHIP VIA	F.O.B	TERMS	SOLVBY
[REDACTED]	03/07/2013	DRPSHP	NORTHBROOK	NET30	SM

Qty	Qty	P/C	Part #	Description	Unit	Total
8	8		ING-CI768982	GE SFP, LC connector SX transceiver	190.00	1520.00
2	2		THD-CIO99038AS	Software release ASA 8.4		
2	2		ING-CID26623	Cisco ASR1001 System,Crypto, 4 built-i	6460.00	12920.00
4	4		THD-CIO917690Y	Cisco ASR1001 AC Power Supply		
4	4		CTC-CI-CAB-AC-R	Power Cord,110V, Right Angle		
2	2		ING-CID27650	SMARTNET 8X5XNBD Cisco ASR1001 System,		
2	2		ING-CIGF4039	SMARTNET 8X5XNBD Cisco ASR 1000 IP BAS		
2	2		THD-CIO917688Y	Cisco ASR1001 4GB DRAM		
2	2		CTC-CIS-SASR100	Cisco ASR 1001 IOS XE UNIVERSAL		

8:ING-CI768982 :Tag#->282221570430314/FEDEX

2:ING-CID26623 :Tag#->282221570430314/FEDEX

RECEIVED  
MM 20 2013  
CITY COMPTROLLER'S OFFICE

SUBTOTAL	14,440.00
TAX	
<b>TOTAL</b>	<b>14,440.00</b>

NOTICE : ACCOUNTS PAYABLE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH.  
ALL SALES ARE FINAL, ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
IDENTICAL MERCHANDISE (OR REPLACE OR SOME ITEM(S)) WITHIN 5 DAYS OF PURCHASE DATE.  
TITLE OF EQUIPMENT WILL REMAIN WITH System Solutions Inc. UNTIL ABOVE INVOICE IS FULLY PAID  
\* Items are non taxable

92772 Customer Signature \_\_\_\_\_ Print Name \_\_\_\_\_ Date/Time \_\_\_\_\_  
Page # 1

# System Solutions Inc.

3630 Commercial Ave. DEPT. A  
Northbrook IL 60062  
(847) 272-6160

RECEIPT # 489782

**INVOICE**

**INVOICE #** 439696

**DATE** 03/05/2013

**Name**  CITY OF CHICAGO - OEMC  
**Address**  1411 W MADISON STREET  
**L**  ATTN: ACCOUNTS PAYABLE  
**D**  CHICAGO, IL 60607  
  
312-746-9411

**S** CITY OF CHICAGO - OEMC  
**H**  1411 W MADISON  
**I**  RUBEN MADRIGAL PO#   
**P**  CHICAGO, IL 60607

P.O. #	SHIP DATE	SHIP VIA	F.O.B.	TERMS	SOLD BY
<input type="text"/>	03/05/2013	DRPSHP	NORTHBROOK	NET30	SM

Qty	Part #	Description	Unit	Total
2	ING-C1CJ7496	ACS 1121 Appliance With 5.x SW And Bas	\$	5698.10
2	THD-CIO964842P	Cisco Secure ACS 5 Base License		
2	THD-CIO27209B1	AC Power Cord (North America), C13, NE		
2	ING-CILJ3920	SW APP SUPP Config Option: ACS 5.3 Sof		1439.40
2	ING-CICK5J77	SMARTNET 8X5XNBD ACS 1121 Appliance Wi		144.00
2	CTC-CIS-CSACS-S	Config Option: ACS 5.3 Software Loaded		
1	ING-CIKD4769	Cisco Security Manager 4.1 Pro w/ 50 D		7600.00
1	ING-CTKD4643	SW APP SUPP Cisco Security Mgr 4.1 Pro		2100.00
1	CTC-CIS-R-W-PI1	WCS 7.0 to Cisco Prime Infrastructure		758.10
2	CTC-CIS-L-PI12-	Prime Infrastructure 1.2 - Lifecycle -		
2	CTC-CIS-L-PILMS	Prime Infrastructure LMS 4.2 - 100 Dev		
1	CTC-CIS-R-PI12-	Prime Infrastructure 1.2 Base License		
2	ING-CIPW5057	SW APP SUPP + UPGR PI 1.2 - Lifecycle		1079.40
2	CTC-CIS-L-W-PI1	WCS to Prime Infrastructure 1.2 Migrat		

2:ING-C1CJ7496 :S/N->SKQ2Z8LC,SKQ2Z8KY

2:ING-C1CJ7496 :Tag#->282221570430314/FEDEX

RECEIVED  
MAR 10 2013  
CITY OF CHICAGO  
OFFICE

<b>SUBTOTAL</b>	11,396.20
<b>TAX</b>	
<b>TOTAL</b>	11,396.20

NOTICE : ACCOUNTS PAYABLE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH.  
ALL SALES ARE FINAL, ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
IDENTICAL MERCHANDISE FOR REPAIR OR SAME ITEMS) WITHIN 5 DAYS OF PURCHASE DATE.  
TITLE OF EQUIPMENT WILL REMAIN WITH System Solutions Inc. UNTIL ABOVE INVOICE IS FULLY PAID  
\* ITEMS ARE NOT TRADEABLE

92774 Customer Signature \_\_\_\_\_ Print Name \_\_\_\_\_ Date/Time \_\_\_\_\_

Page # 1

# System Solutions Inc.

3630 Commercial Ave. DEPT. A  
Northbrook IL 60062  
(847) 272-6160

RECEIPT # 489782

## INVOICE

INVOICE # : 439697  
DATE : 03/05/2013

**Name** S CITY OF CHICAGO - OEMC  
**Address** O 1411 W MADISON STREET  
**L** ATTN: ACCOUNTS PAYABLE  
**D** CHICAGO, IL 60607  
 312-746-9411

S CITY OF CHICAGO - OEMC  
 H 1411 W MADISON  
 I RUBEN MADRIGAL PO#  
 P CHICAGO, IL 60607

P.O. #	SHIP DATE	SHIP VIA	F.O.B	TERMS	SOLD BY
	03/05/2013	DRPSHP	NORTHBROOK	NET30	SM

Qty	Scry	P/C	Part #	Description	Unit	Total
10	10		THD-CIO765683M	10GBASE-LR SFP Module	1510.10	15101.00
40	40		ING-CIQ45408	10GBASE-SR SFP Module	568.10	
12	12		ING-CIPE4739	Catalyst 3560X 48 Port Data IP Service	4370.00	
12	12		ING-CIDA9404-1	Catalyst 3K-X 350W AC Power Supply		
12	12		THD-CT0934767X	CAT 3560X IOS UNIVERSAL WITH WEB BASED		
12	12		ING-CIDA9403	Catalyst 3K-X 10G Network Module option	950.00	11400.00
12	12		ING-CIDA9404-2	Catalyst 3K-X 350W AC Secondary Power	190.00	2280.00
24	24		CYC-CI-CAB-36X-	AC Power Cord for Catalyst 3K-X (North)		
12	12		ING-CIDB0776	SMARTNET BX5XNDD Catalyst 3560X 48 Port	282.00	
2	2		THD-CIO808233X	4510R+E Chassis, Two WS-X1748-RJ45V+E,	12540.00	
2	2		THD-CIO999422X	Paper IP Base License		
2	2		ING-CIDJ8123	Catalyst 4500 E-Series Supervisor, 848	7590.10	
4	4		ING-CIKT4890-1	Catalyst 4500E 48-Port UPOE 10/100/100	3418.10	
2	2		ING-CILJ2675	WS-X4748-UPOE+E Upgrade	1140.00	
10:THD-CIO765683M :Tag#->28222157040314/FEDEX						
12:ING-CIDA9403 :S/N->SFDO17061SLE, SFDO17060SN5, SFDO17060SSJ, SFDO17061SET						
12:ING-CIDA9403 :S/N->SFDO17061T2X, SFDO17060T3P, SFDO17061SCB, SFDO17061SEF						
12:ING-CIDA9403 :S/N->SFDO17060S66, SFDO17061SQM, SFDO17060ST8, SFDO17061SEZ						
12:ING-CIDA9403 :Tag#->26222157040314/FEDEX						
12:ING-CIDA9404-2 :S/N->SLIT17021HJM, SLIT170213HM, SLIT170212NX, SLIT17021HG2						
12:ING-CIDA9404-2 :S/N->SLIT17021HJM, SDCB165193NX, SLIT17021HL0, SLIT1702137E						
12:ING-CIDA9404-2 :S/N->SLIT17021HMP, SLIT17021HHD, SLIT17021HGT, SLIT170212TB						
12:ING-CIDA9404-2 :Tag#->28222157040314/FEDEX						

*RECEIVED  
MAR 20 2013  
CITY COMPTROLLER'S  
OFFICE*

SUBTOTAL		28,861.00
TAX		
<b>TOTAL</b>		28,861.00

NOTICE : ACCOUNTS PAYABLE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH.  
 ALL SALES ARE FINAL, ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
 IDENTICAL MERCHANDISE (OR REPLACE ON SOME ITEMS) WITHIN 5 DAYS OF PURCHASE DATE.  
 TITLE OF EQUIPMENT WILL REMAIN WITH System Solutions Inc. UNTIL ABOVE INVOICE IS FULLY PAID  
 \* ITEMS ARE NON TAXABLE

92775 Customer Signature \_\_\_\_\_ Print Name \_\_\_\_\_ Date/Time \_\_\_\_\_

Page # 1

# System Solutions Inc.

3630 Commercial Ave. DEPT. A

Northbrook IL 60062

(847) 272-6160

RECEIPT # 489782

**INVOICE**

INVOICE # 439698

DATE 03/05/2013

**Name** S CITY OF CHICAGO - OEMC  
**Address** O 1411 W MADISON STREET  
**ATTN:** L ACCOUNTS PAYABLE  
**City** D CHICAGO, IL 60607  
 312-746-9411

S CITY OF CHICAGO - OEMC  
 H 1411 W MADISON  
 I RUBEN MADRIGAL PO# [REDACTED]  
 P CHICAGO, IL 60607

P.O. #	SHIP DATE	SHIP VIA	F.O.B	TERMS	SOLD BY
[REDACTED]	03/05/2013	DRPSHP	NORTHBROOK	NET30	SM

Qty	Part #	Description	Unit	Total
2	THD-CIO21307AN	Console Cable 6ft with RJ-45-to-RJ-45		
8	ING-CIH15967-2	NEMA 5-15 to IEC-C19 13ft US		
2	ING-CIDJ0913	SMARTNET 24X7x4 4510R+E Chassis, Two W	2590.00	
2	ING-CIG27696-1	Catalyst 4500 4200W AC dual input Powe	1130.10	2276.20
2	ING-CIG27696-2	Catalyst 4500 4200W AC dual input Powe	1138.10	
2	CTC-C1S-S45EU-3	CAT4500e SUP7-E/SUP7L-E Universal Imag		
2	THD-CIO716103X	Catalyst 4500 E-Series Supervisor, 849	7598.10	15196.20
10	ING-CIKT4890-2	Catalyst 4500E 48-Port UPOE 10/100/100	3418.10	
2	ING-CIG27696-1	:5/N->SA2S16300NWZ, SAZS16300AXL		
2	ING-CIG27696-1	:Tag#->20222157040314/FEDEX		
2	THD-CIO716103X	:S/N->SCAT1703L4BH, SCAT1703L423		
2	THD-CIO716103X	:Tag#->20222157040314/FEDEX		

RECEIVED  
MAR 20 2013  
CITY COMPTROLLER  
OFFICE

SUBTOTAL	17,472.40
TAX	
<b>TOTAL</b>	<b>17,472.40</b>

NOTICE : ACCOUNTS PAYABLE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH.  
 ALL SALES ARE FINAL, ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
 IDENTICAL MERCHANDISE (OR REPLACE OR SAME ITEMS) WITHIN 5 DAYS OF PURCHASE DATE.  
 TITLE OF EQUIPMENTS WILL REMAIN WITH System Solutions Inc. UNTIL ABOVE INVOICE IS FULLY PAID  
 \* ITEMS ARE NON TAXABLE

92776 Customer Signature \_\_\_\_\_ Print Name \_\_\_\_\_ Date/Time \_\_\_\_\_

Page # /

# System Solutions Inc.

3630 Commercial Ave. DEPT. A

Northbrook IL 60062

(847) 272-6160

RECEIPT # 489782

INVOICE

INVOICE # 439693

DATE 03/05/2013

Name S CITY OF CHICAGO - OEMC  
Address O 1411 W MADISON STREET  
L ATTN: ACCOUNTS PAYABLE  
D CHICAGO, IL 60607  
312-746-9411

S CITY OF CHICAGO - OEMC  
H 1411 W MADISON  
I RUBEN MADRIGAL PO:  
P CHICAGO, IL 60607

P.O. #	SHIP DATE	SHIP VDL	FROM	TERMS	SOLD BY
	03/05/2013	DRPSHP	NORTHBROOK	NET30	SM

Qty	Qty	%	Part #	Description	Unit	Total
5	5		ING-CILE8306	802.11n CAP w/CleanAir; 4x4:3SS; Mod;	606.10	3030.50
5	5		ING-CIDJ8589-1	802.11n AP Low Profile Mounting Bracke		
5	5		ING-CTD26620-1	Ceiling Grid Clip for Aironet APs - Re		
5	5		CTC-SWAP360-1	Cisco 3600 Series IOS WIRELESS LAN REC		
20	20		ING-CILE8312-1	2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant.,	14.82	296.40
2	2		ING-CILE8307	802.11n CAP 10APs w/CleanAir; 4x4:3SS;	6061.00	
20	20		ING-CIDJ8589-2	802.11n AP Low Profile Mounting Bracke		
20	20		ING-CTD26620-2	Ceiling Grid Clip for Aironet APs - Re		
20	20		CTC-CIS-AIR-CAP	BOM Level AP3600e Bulk PID for A reg d		
2	2		CTC-SWAP360-2	Cisco 3600 Series IOS WIRELESS LAN REC		
80	80		ING-CILE8312-2	2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant.,	14.82	
2	2		ING-CIBA9530	Cisco 5508 Series Wireless Controller	15198.10	30396.20
2	2		CTC-CIS-LIC-CT5	100 AP Base license		
2	2		CTC-CI-CT5508BA	Base Software License		
5:ING-CILE8306 :S/N->SFTX1703GKEW, SFTX1703GKF2, SFTX1703GKES, SFTX1703GKFH						
5:ING-CILE8306 :S/N->SFTX1703GKFK						
5:ING-CILE8306 :Tag#->282221570430314/FEDEX						
20:ING-CILE8312-1 :Tag#->502221570430314/FEDEX						
2:ING-CIBA9530 :S/N->SFCW1624L0DM, SFCW1627L039						
2:ING-CIBA9530 :Tag#->282221570430314/FEDEX						

VERIFIED  
MAR 20 2013  
CITY CONTROLLER'S  
OFFICE

SUBTOTAL	GOVERNMENT	33,723.10
TAX		
<b>TOTAL</b>		<b>33,723.10</b>

NOTICE : ACCOUNTS PAST DUE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH.  
ALL SALES ARE FINAL, ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
IDENTICAL MERCHANDISE OR REPLACE OR SOME ITEM(S) WITHIN 5 DAYS OF PURCHASE DATE.  
TITLE OF EQUIPMENT WILL REMAIN WITH System Solutions Inc. UNTIL ABOVE INVOICE IS FULLY PAID  
\* Items are non taxable

92770 Customer Signature \_\_\_\_\_ Print Name \_\_\_\_\_ Date/Time \_\_\_\_\_  
Page # 1

# System Solutions Inc.

3630 Commercial Ave. DEPT. A  
Northbrook IL 60062  
(847) 272-6160

RECEIPT # 489788

## INVOICE

INVOICE # : 439867  
DATE : 03/08/2013

**Name**  S CITY OF CHICAGO - OEMC  
**Address**  O 1411 W MADISON STREET  
 L ATTN: ACCOUNTS PAYABLE  
 D CHICAGO, IL 60607  
  
312-746-9411

**S** CITY OF CHICAGO - OEMC  
**H** 1411 W MADISON STREET  
**I** RUBEN MADRIGAL PO#  
**P** CHICAGO, IL 60607

P.O. #	SHIP DATE	SHIP VIA	F.O.B	TERMS	SOLD BY
<input type="text"/>	03/08/2013	DRPSHP	NORTHBROOK	NET30	SM
Item	QTY	Part #	Description	Unit Price	Ext. Price
4	4	ING-C1BG0438	PART # 15454-OTU2-XP=	10789.00	
4	4	ING-C1CF0340	PART # ONS-XC-10G-SR-MM=	1269.00	
			Cisco XFP transceiver module		
2	2	ING-C1CF0340	PART # ONS-XC-10G-C=	13039.00	
			XFP -10G MultiRate Full C Band Tunable		
			DWDM XFP, 50 Ghz, LC		
2	2	TBD-C1N4722502	PART # ONS-XC-10G-EP50.1=	5999.00	
			10G NR. XFP, Edge Performance 1550.17		
			100 GHz, LC		
24	24	ING-C1E66933	PART # 15216-LC-LC-5=	52.00	
			FIBER PATCHCORD-LC TO LC - 4m		
24	24	ING-CTD47070	PART # 15454-LC-LC-2=	49.00	
			FIBER PATCHCORD-LC TO LC - 2m		
3	3	ING-AOBG5275	PART # XENPAK-10GB-SR	1399.00	4197.00
			10GBASE XENPAK - XENPAK trans		
4	4	CTC-CISCO-WS-X6	Cisco WS-X6704-10GE 4-port 10-Gigabit	12599.00	50396.00
3:ING-AOBG5275 :S/N->SONT163705NR, SONT163705DT, SONT163704MC					
3:ING-AOBG5275 :Tag#->282221570437658/FEDEX					
4:CTC-CISCO-WS-X6 :S/N->SSAL1703WTR, SSAL1703WTR0, SSAL1703WTPJ, SSAL1702WEPE					
4:CTC-CISCO-WS-X6 :Tag#->282221570427658/FEDEX					

RECEIVED BY  
MAR 20 2013  
CITY OF CHICAGO  
OFFICE

<input type="text"/> SUBTOTAL	54,593.00
<input type="text"/> TAX	GOVERNMENT
<input type="text"/> TOTAL	54,593.00

NOTICE : ACCOUNTS PASTDUE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH.  
ALL SALES ARE FINAL. ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
IDENTICAL MERCHANDISE FOR REPLACE OR SOME ITEMS) WITHIN 5 DAYS OF PURCHASE DATE.  
TITLE OF EQUIPMENT WILL REMAIN WITH System Solutions Inc. UNTIL ABOVE INVOICE IS FULLY PAID  
\* ITEMS ARE NON-RETURNABLE

93108 Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Date/Time \_\_\_\_\_

Page # 1

# System Solutions Inc.

3630 Commercial Ave. DEPT. A  
Northbrook IL 60062  
(847) 272-6160

**NAME**  
**Address**  
CITY OF CHICAGO - OEMC  
1411 W MADISON STREET  
ATTN: ACCOUNTS PAYABLE  
CHICAGO, IL 60607  
312-746-9411

**SHIP TO**  
CITY OF CHICAGO - OEMC  
1411 W MADISON STREET  
RUBEN MADRIGAL PO# [REDACTED]  
CHICAGO, IL 60607

INVOICES FILED 440377  
DATE 03/21/2013

ITEM #	DATE SHIPPED	SHIP TO	TERMS	BALANCE		
QTY	SO#	B7O	PART #	DESCRIPTION	PRICE	TOTAL
4	4		ING-CIBG0438	PART # 15454-0702-XP#	10789.00	43156.00
4	4		ING-CICF3341	PART # ONS-XC-10G-SR-MM=	1269.00	5076.00
2	2		ING-CICF3340	Cisco XFP transceiver module		
2	2		THD-CIN472250Z	PART # ONS-XC-10G-C#=	13039.00	26078.00
				XFP -10G MultiRate Full C Band Tunable		
				DWDM XFP, 50 Ghz, LC		
2	2		THD-CIN472250Z	PART # ONS-XC-10G-EP58.1=	5999.00	11998.00
				LOG MR, XFP, Edge Performance 1559.17		
				100 Ghz, LC		
24	24		ING-CIF66933	PART # 15216-LC-LC-5=	52.00	1248.00
				FIBER PATCHCORD-1C TO LC - 4m		

4:ING-CIBG0430 :Tag#->NOT SHIPPED  
4:ING-CICF3341 :Tag#->NOT SHIPPED  
2:ING-CICF3340 :Tag#->NOT SHIPPED  
2:THD-CIN472250Z :Tag#->NOT SHIPPED  
24:ING-CIF66933 :Tag#->NOT SHIPPED

*Receipt #500475 Cancelled*

New Receipt #  
501253

RECEIVED  
Office of Emergency Communications  
MAR 25 2013  
Finance Division

500475	GOVERNMENT	87,556.00
501253		87,556.00

NOTICE : ACCOUNTS PAST DUE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH.  
ALL SALES ARE FINAL, ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
IDENTICAL MERCHANDISE (OR REPLACE ON SOME ITEMS) WITHIN 5 DAYS OF PURCHASE DATE.  
TITLE OF EQUIPMENTS WILL REMAIN WITH System Solutions Inc. UNTIL ALL AMOUNTS IS FULLY PAID  
\* ITEMS ARE NON REFUNDABLE

93108 Customer Signature

Date/Time 5/8/13  
Page # /

# System Solutions Inc.

3630 Commercial Ave. DEPT. A  
Northbrook IL 60062  
(847) 272-6160

**INVOICE**

**INVOICE #** 440378  
**DATE** 03/21/2013

**Vendor Address:**  
CITY OF CHICAGO - OEMC  
1411 W MADISON STREET  
ATTN: ACCOUNTS PAYABLE  
CHICAGO, IL 60607  
312-746-9411

CITY OF CHICAGO - OEMC  
1411 W MADISON STREET  
RUBEN MADRIGAL PO#1  
CHICAGO, IL 60607

ITEM NUMBER	SHIP DATE	SHIP TO	LOCATION	TERMS	SHIPPING
	03/21/2013	DRPSHP	NORTHBROOK	NET30	SM
QTY	Unit	Part #	Description	Unit Price	Total
4	4	ING-CIBG0430	PART# 15454-OTU2-XP= 4 XOTN JUG MR TRANSPONDER	10789.00	43156.00
4	4	ING-CICF3341	PART# ONS-XC-10G-SR-MM= Cisco XFP transceiver module	1269.00	5076.00
2	2	ING-CICF3340	PART# ONS-XC-10G-C= XFP -10G Multirate Full C Band Tunable DWDM XFP, 50 Ghz, LC	13039.00	26078.00
2	2	THD-CIN472250Z	PART# ONS-XC-10G-EP50.9= 10G MR, XFP, Edge Performance 1550.90 100 GHz, LC	5999.00	11998.00

4 : ING-CIBG0430 : Tag#->NOT SHIPPED  
4 : ING-CICF3341 : Tag#->NOT SHIPPED  
2 : ING-CICF3340 : Tag#->NOT SHIPPED  
2 : THD-CIN472250Z : Tag#->NOT SHIPPED

*Receipt # 500475 Cancelled*

*New Receipt # 501253*

**RECEIVED**  
Office of Emergency Communications

MAR 25 2013

Finance Division

<b>BURGESS</b>	GOVERNMENT	86,308.00
<b>WILLIAMS</b>		86,308.00

NOTICE : ACCOUNTS PAYABLE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH  
ALL SALES ARE FINAL, ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
IDENTICAL MERCHANDISE (OR REPLACE OR SOME ITEMS) WITHIN 5 DAYS OF PURCHASE DATE.  
TITLE OF EQUIPMENTS WILL REMAIN WITH System Solutions Inc. UNTIL THE BILL OF VOICE IS FULLY PAID  
\* items are non taxable

93109 Customer Signature

Name \_\_\_\_\_

Date/Time 5/8/13  
Page # 1

# System Solutions Inc.

3630 Commercial Ave. DEPT. A

Northbrook IL 60062

(847) 272-6160

## INVOICE

REF ID: 440383

03/21/2013

**NAME:** CITY OF CHICAGO - OEMC  
**ADDRESS:** 1411 W MADISON STREET  
**L:** ATTN: ACCOUNTS PAYABLE  
**D:** CHICAGO, IL 60607  
**312-746-9411**

**NAME:** CITY OF CHICAGO - OEMC  
**ADDRESS:** 1411 W MADISON  
**R:** RUBEN MADRIGAL PO#  
**C:** CHICAGO, IL 60607

ITEM #	SHIP DATE	UNITS	AMOUNT	TAXES	SHIPPING
	03/21/2013	DRPSHP	NORTHBROOK	NET30	SM
QTY	B/O	Barney	Description	Unit	Total
2	2	THD-C1021387AN	Console Cable 6ft with RJ-45-to-RJ-45		
8	8	ING-CIH159G7-2	NEMA 5-15 to IEC-C19 13ft US		
2	2	ING-CIDJ8913	SMARTNET 24X7X4 4510R+E Chassis, Two W	2598.00	5196.00
2	2	ING-CIG27696-2	Catalyst 4500 4200W AC dual input Powe	1138.10	2276.20
2	2	CTC-CIS-S45EU-3	CAT4500e SUP7-E/SUP7L-E Universal Imag		
10	10	ING-CIKT4090-2	Catalyst 4500E 48-Port UPOE 10/100/100	3418.10	34181.00
2: ING-CIDJ8913 :Tag#->NOT SHIPPED					

RECEIVED  
Office of Emergency Communications

MAR 25 2013

Finance Division

SUBTOTAL	41,653.20
TAX	
TOTAL	41,653.20

GOVERNMENT

NOTICE : ACCOUNTS PASTDUE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH.  
 ALL SALES ARE FINAL. ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
 IDENTICAL MERCHANDISE FOR REPAIRS ON SOME ITEMS) / WITHIN 5 DAYS OF PURCHASE DATE.  
 TITLE OF EQUIPMENTS WILL NOT BE TRANSFERRED UNTIL THE INVOICE IS FULLY PAID  
 \* ITEMS ARE NOT CANCELLED

92776 Customer Signa

nt Name \_\_\_\_\_

Date/Time 17 MAY 13  
 Page # 1

# System Solutions Inc.

3630 Commercial Ave. DEPT. A

Northbrook IL 60062

(847) 272-6160

RECEIPT # 479429

**INVOICE**

INVOICE # : 436467

DATE : 11/29/2012

**Name** S CITY OF CHICAGO-DOIT  
**Address** O 50 W. WASHINGTON ST., RM  
**L** ATTN:BRENNA BERMAN - A/P  
**D** CHICAGO, IL 60602

312-744-9363

S CITY OF CHICAGO-DOIT  
H 50 W. WASHINGTON ST., RM 2700  
T ATTN:BRENNA BERMAN  
P CHICAGO, IL 60602

P.O. #	SHIP DATE	SHIP VIA	F.O.B.	TERMS	SOLD BY
[REDACTED]	11/29/2012	DROP SHIP	NORTHBROOK	NET 30	DH

Qty	Sqty	B/O	Part #	Description	Unit	Total
1	1		CTC-7102568	Exalytics In-Memory Machine X2-4		130502.00
1	1		CTC-SU-B58121	Sun Exadata Storage Server Hardware 1 Year Premier Support for Systems		
2	2		CTC-333V2015C14	Power cord: Sun Rack jumper, straight,		
2	2		CTC-SU-B5812 1	Sun Exadata Storage Server Hardware 1 Year Premier Support for Systems		
1	1		CTC-BG5792	Oracle Exalytics Configuration Service		
1	1		CTC-BG1304	Installation Service : Servers - Volum EXADATA		
1	1		CTC-7103924	Exadata Database Machine X3-2 HC Quart		319000.00
1	1		CTC-B 58121	Sun Exadata Storage Server Hardware 1 Year Premier Support for Systems		
1	1		CTC-6442A	LV 1P PDU for 42 RU Base Rack		
1	1		CTC-BG1307	System Installation Services		

1:CTC-7102568 :Tag#->0338/EXPEDITORS INTERNATIONAL

RECEIVED

JAN 16 2013

CITY COMPTROLLER'S  
OFFICE

<b>Subtotal</b>	449,502.00
<b>Tax</b>	
<b>Total</b>	449,502.00

NOTICE : ACCOUNTS PAYABLE WILL BE ASSESSED A SERVICE CHARGE OF 1.5% PER MONTH.  
ALL SALES ARE FINAL. ONLY DEFECTIVE ITEMS WILL BE EXCHANGED AND REPLACE WITH  
IDENTICAL MERCHANDISE. FOR REPLACE OR SOME ITEM(S) WITHIN 5 DAYS OF PURCHASE DATE.  
TITLE OF EQUIPMENT WILL REMAIN WITH System Solutions Inc. UNTIL ABOVE INVOICE IS FULLY PAID  
\* items are non taxable

88915 Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Date/Time \_\_\_\_\_

Page # 1



Chicago Police Department

Department Notice D13-11

## FACIAL RECOGNITION TECHNOLOGY

ISSUE DATE:	23 August 2013	EFFECTIVE DATE:	23 August 2013
RESCINDS:			
INDEX CATEGORY:	Department Notice		

### I. PURPOSE

This directive informs Department members of the availability of facial recognition technology for investigative purposes.

### II. GENERAL INFORMATION

Facial recognition technology used by the Department accomplishes facial matching by creating a template of mapped geometric points from an existing image. The software uses an algorithm that maps the facial image and then compares it to those images within the comparison database. The software then ranks the highest scoring mugshots to the suspect image.

### III. UNITS WITH FACIAL RECOGNITION TECHNOLOGY

Facial Recognition Technology (FRT) software is being used in the Bureau of Detectives - Area Detective Divisions, Bureau of Organized Crime, and Crime Prevention Information Center (CPIC).

### IV. RESPONSIBILITIES

The Bureau of Detectives is responsible for investigative follow-up involving images for FRT. Policies, training and protocols will be developed and maintained by the Bureau of Detectives.

### V. PROCEDURES

When preliminary investigating officers determine that photographic or video evidence exists that has a facial image that might be identified through FRT they will:

- A. Notify the responsible Area Detective Unit.
- B. If requested, prepare a supplementary report informing followup investigators that an image is available and whether it has been inventoried. If the image has been inventoried, provide the inventory number of the evidence.
- C. Inform the Area Detective Unit where the image may be located if the digital evidence has not been inventoried. Notification will be recorded in their Automated Incident Reporting Application (AIRA) report..

Authenticated by: JKH

Garry F. McCarthy  
Superintendent of Police

13-067 RWN



Department of Homeland Security, FEMA  
Grant Programs Directorate

---

August 6, 2010

Washington, D.C. 20531

Mr. Richard Rodriguez  
Chicago Transit Authority  
567 West Lake Street  
Chicago, IL 60661

Dear Mr. Rodriguez:

I am pleased to inform you that the Grant Programs Directorate has approved the application for funding under the FY 2010 Transit Security Grant Program in the amount of \$10,344,091 for Chicago Transit Authority. The FY 2010 Transit Security Grant Program is an important component of a coordinated, national effort to strengthen the security of America's critical infrastructure.

Enclosed you will find the Grant Award and Special Conditions documents. This award is subject to all administrative and financial requirements, including the timely submission of all financial and programmatic reports, resolution of all interim audit findings, and the maintenance of a minimum level of cash-on-hand. Should you not adhere to these requirements, you will be in violation of the terms of this agreement and the award will be subject to termination for cause or other administrative action as appropriate.

If you have questions regarding this award, please contact:

- Program Questions, Lawrence White, Program Manager at (202) 786-9568;
- Financial and Payment Questions, Grants Management Division (GMD) at (866) 927-5646, or send an email to ask-GMD@dhs.gov.

Congratulations, and we look forward to working with you.

Sincerely,

Elizabeth M. Harman  
Assistant Administrator Grant Programs Directorate

Enclosures



Department of Homeland Security FEMA  
Grant Programs Directorate

**Cooperative Agreement**

PAGE 1 OF 5

1. RECIPIENT NAME AND ADDRESS (Including Zip Code)  Chicago Transit Authority 567 West Lake Street Chicago, IL 60661		4. AWARD NUMBER: 2010-RA-T0-K044																
		5. PROJECT PERIOD: FROM 06/01/2010 TO 05/31/2013 BUDGET PERIOD: FROM 06/01/2010 TO 05/31/2013																
IA. GRANTEE IRS/VENDOR NO. 362164842		6. AWARD DATE 08/06/2010 7. ACTION Initial 8. SUPPLEMENT NUMBER 00																
3. PROJECT TITLE FY 2010 Transit Security Grant Program		9. PREVIOUS AWARD AMOUNT \$0 10. AMOUNT OF THIS AWARD \$ 10,344,091 11. TOTAL AWARD \$ 10,344,091																
12. SPECIAL CONDITIONS THE ABOVE GRANT PROJECT IS APPROVED SUBJECT TO SUCH CONDITIONS OR LIMITATIONS AS ARE SET FORTH ON THE ATTACHED PAGE(S).																		
13. STATUTORY AUTHORITY FOR GRANT This project is supported under Department of Homeland Security Appropriations Act, 2010 (Public Law 111-083)																		
15. METHOD OF PAYMENT PARS																		
16. TYPED NAME AND TITLE OF APPROVING DHS OFFICIAL  Elizabeth M. Harman Assistant Administrator Grant Programs Directorate		18. TYPED NAME AND TITLE OF AUTHORIZED GRANTEE OFFICIAL  Richard Rodriguez President, Chicago Transit Authority																
17. SIGNATURE OF APPROVING DHS OFFICIAL  <i>Elizabeth M. Harman</i>		19. SIGNATURE OF AUTHORIZED RECIPIENT OFFICIAL 19A. DATE																
AGENCY USE ONLY																		
20. ACCOUNTING CLASSIFICATION CODES <table><thead><tr><th>FISCAL YEAR</th><th>FUND CODE</th><th>BUD. ACT.</th><th>DIV. OFC.</th><th>REG.</th><th>SUB.</th><th>POMS</th><th>AMOUNT</th></tr></thead><tbody><tr><td>0</td><td>T</td><td>RA</td><td>10</td><td>00</td><td>00</td><td></td><td>10344091</td></tr></tbody></table>		FISCAL YEAR	FUND CODE	BUD. ACT.	DIV. OFC.	REG.	SUB.	POMS	AMOUNT	0	T	RA	10	00	00		10344091	21. RA10V40037
FISCAL YEAR	FUND CODE	BUD. ACT.	DIV. OFC.	REG.	SUB.	POMS	AMOUNT											
0	T	RA	10	00	00		10344091											

OJP FORM 4000/2 (REV. 5-87) PREVIOUS EDITIONS ARE OBSOLETE.

OJP FORM 4000/2 (REV. 4-88)



Department of Homeland Security  
FEMA  
Grant Programs Directorate

**AWARD CONTINUATION  
SHEET  
Cooperative Agreement**

PAGE 2 OF 5

PROJECT NUMBER 2010-RA-T0-K044

AWARD DATE 08/06/2010

**SPECIAL CONDITIONS**

1. The grantee and any subgrantee shall comply with the most recent version of the Administrative Requirements, Cost Principles, and Audit Requirements. A non-exclusive list of regulations commonly applicable to DHS grants are listed below:

**A. Administrative Requirements**

1. 44 CFR Part 13, Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments
2. 2 CFR Part 215, Uniform Administrative Requirements for Grants and Agreements with Institutions of Higher Education, Hospitals, and Other Non-Profit Organizations (OMB Circular A-110)

**B. Cost Principles**

1. 2 CFR Part 225, Cost Principles for State, Local and Indian Tribal Governments (OMB Circular A-87)
2. 2 CFR Part 220, Cost Principles for Educational Institutions (OMB Circular A-21)
3. 2 CFR Part 230, Cost Principles for Non-Profit Organizations (OMB Circular A-122)
4. Federal Acquisition Regulations (FAR), Part 31.2 Contract Cost Principles and Procedures, Contracts with Commercial Organizations

**C. Audit Requirements**

1. OMB Circular A-133, Audits of States, Local Governments, and Non-Profit Organizations
2. Recipient understands and agrees that it cannot use any federal funds, either directly or indirectly, in support of the enactment, repeal, modification or adoption of any law, regulation or policy, at any level of government, without the express prior written approval of FEMA.
3. The recipient agrees that all allocations and use of funds under this grant will be in accordance with the FY 2010 Transit Security Grant Program guidance and application kit.
4. Program authority and responsibility under this cooperative agreement resides with FEMA. FEMA will work with the recipient to review and refine work plans to ensure program goals and objectives can be effectively accomplished.

The recipient shall not develop or engage in the development of tasks not approved in recipient's application without post-award approval from the program office, and the issuance of a Grant Amendment from FEMA. FEMA will monitor the project on a continual basis by maintaining ongoing contact with the recipient and will provide input to the program's direction, in consultation with the recipient, as needed.

5. The grantee is prohibited from obligating, expending or drawing down funds provided through this award until a Budget Review is completed and approved by the Grants Management Division (GMD) and an official notice has been issued removing this special condition.
6. The grantee is prohibited from obligating, expending or drawing down funds provided through this award that are associated with activities involving ground disturbance, construction, modification of structures, and purchase and use of sonar equipment until all applicable environmental and historic preservation documentation is provided to GPD for review and approval and an official notice has been issued by GPD in removing this special condition.



Department of Homeland Security  
FEMA  
Grant Programs Directorate

**AWARD CONTINUATION  
SHEET**  
**Cooperative Agreement**

PAGE 3 OF 5

PROJECT NUMBER 2010-RA-T0-K044

AWARD DATE 08/06/2010

**SPECIAL CONDITIONS**

7. The recipient shall submit the Federal Financial Report (FFR, SF-425) within 30 days of the end of the first Federal quarter following the initial grant award. The recipient shall submit quarterly FFRs thereafter until the grant ends. Reports are due on January 30, April 30, July 30, and October 30. A report must be submitted for every quarter of the period of performance, including partial calendar quarters, as well as for periods where no grant activity occurs. Future awards and fund draw downs may be withheld if these reports are delinquent. The final FFR is due 90 days after the end date of the performance period.
8. In the event FEMA determines that changes are necessary to the award document after an award has been made, including changes to period of performance or terms and conditions, recipients will be notified of the changes in writing. Once notification has been made, any subsequent request for funds will indicate recipient acceptance of the changes to the award. Please call the FEMA/GMD Call Center at (866) 927-5646 or via e-mail to ASK-GMD@dhs.gov if you have any questions.
9. A. Provisions applicable to a recipient that is a private entity.
  1. You as the recipient, your employees, subrecipients under this award, and subrecipients' employees may not:
    - a. Engage in severe forms of trafficking in persons during the period of time that the award is in effect;
    - b. Procure a commercial sex act during the period of time that the award is in effect; or
    - c. Use forced labor in the performance of the award or subawards under the award.
  2. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if you or a subrecipient that is a private entity:
    - a. Is determined to have violated a prohibition in paragraph A.1 of this award term; or
    - b. Has an employee who is determined by the agency official authorized to terminate the award to have violated a prohibition in paragraph A.1 of this award term through conduct that is either:
      - i. Associated with performance under this award; or
      - ii. Imputed to you or the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR Part 180, "OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Non-procurement)," as implemented by our agency at 2 CFR Part 3000.



Department of Homeland Security  
FEMA  
Grant Programs Directorate

**AWARD CONTINUATION  
SHEET**  
**Cooperative Agreement**

PAGE 4 OF 5

PROJECT NUMBER 2010-RA-T0-K044

AWARD DATE 08/06/2010

**SPECIAL CONDITIONS**

10. B. Provisions applicable to a recipient other than a private entity. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if a subrecipient that is a private entity:

1. Is determined to have violated an applicable prohibition in paragraph A.1 of this award term; or
2. Has an employee who is determined by the agency official authorized to terminate the award to have violated an applicable prohibition in paragraph A.1 of this award term through conduct that is either:
  - a. Associated with performance under this award; or
  - b. Imputed to the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR part 180, "OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Non-procurement)," as implemented by our agency at 2 CFR part 3000.

C. Provisions applicable to any recipient.

1. You must inform us immediately of any information you receive from any source alleging a violation of a prohibition in paragraph A.1 of this award term.
2. Our right to terminate unilaterally that is described in paragraph A.2 or B of this section:
  - a. Implements section 106(g) of the Trafficking Victims Protection Act of 2000 (TVPA), as amended (22 U.S.C. 7104(g)), and
  - b. Is in addition to all other remedies for noncompliance that are available to us under this award.
3. You must include the requirements of paragraph A.1 of this award term in any subaward you make to a private entity.

D. Definitions. For purposes of this award term:

1. "Employee" means either:

- a. An individual employed by you or a subrecipient who is engaged in the performance of the project or program under this award; or
- b. Another person engaged in the performance of the project or program under this award and not compensated by you including, but not limited to, a volunteer or individual whose services are contributed by a third party as an in-kind contribution toward cost sharing or matching requirements.

2. "Forced labor" means labor obtained by any of the following methods: the recruitment, harboring, transportation, provision, or obtaining of a person for labor or services, through the use of force, fraud, or coercion for the purpose of subjection to involuntary servitude, peonage, debt bondage, or slavery.

3. "Private entity" means:

- a. Any entity other than a State, local government, Indian Tribe, or foreign public entity, as those terms are, defined in 2 CFR 175.25.
- b. Includes:

- i. A nonprofit organization, including any nonprofit institution of higher education, hospital, or tribal organization other than one included in the definition of Indian Tribe at 2 CFR 175.25(b).
  - ii. A for-profit organization.

4. "Severe forms of trafficking in persons," "commercial sex act," and "coercion" have the meanings given at section 103 of the TVPA, as amended (22 U.S.C. 7102).



Department of Homeland Security  
FEMA  
Grant Programs Directorate

**AWARD CONTINUATION  
SHEET**  
**Cooperative Agreement**

PAGE 5 OF 5

PROJECT NUMBER 2010-RA-T0-K044

AWARD DATE 08/06/2010

**SPECIAL CONDITIONS**

11. A. "Classified national security information," as defined in Executive Order (EO) 12958, as amended, means information that has been determined pursuant to EO 12958 or any predecessor order to require protection against unauthorized disclosure and is marked to indicate its classified status when in documentary form.
- B. No funding under this award shall be used to support a contract, subaward, or other agreement for goods or services that will include access to classified national security information if the award recipient has not been approved for and has access to such information.
- C. Where an award recipient has been approved for and has access to classified national security information, no funding under this award shall be used to support a contract, subaward, or other agreement for goods or services that will include access to classified national security information by the contractor, subawardee, or other entity without prior written approval from the DHS Office of Security, Industrial Security Program Branch (ISPB), or, an appropriate official within the Federal department or agency with whom the classified effort will be performed.
- D. Such contracts, subawards, or other agreements shall be processed and administered in accordance with the DHS "Standard Operating Procedures, Classified Contracting by States and Local Entities," dated July 7, 2008; EOs 12829, 12958, 12968, as amended; the National Industrial Security Program Operating Manual (NISPOM); and/or other applicable implementing directives or instructions. All security requirement documents are located at: <http://www.dhs.gov/xopnbiz/grants/index.shtml>
- E. Immediately upon determination by the award recipient that funding under this award will be used to support such a contract, subaward, or other agreement, and prior to execution of any actions to facilitate the acquisition of such a contract, subaward, or other agreement, the award recipient shall contact ISPB, or the applicable Federal department or agency, for approval and processing instructions.

DHS Office of Security ISPB contact information:

Telephone: 202-447-5346

Email: DD254AdministrativeSecurity@dhs.gov

Mail: Department of Homeland Security  
Office of the Chief Security Officer  
ATTN: ASD/Industrial Security Program Branch  
Washington, D.C. 20528



Department of Homeland Security, FEMA

*Grant Programs Directorate*

---

*Washington, D.C. 20531*

**Memorandum To:** Official Grant File

**From:** Adria Martinez, GPD NEPA Liaison

**Subject:** Incorporates NEPA Compliance in Further Developmental Stages for Chicago Transit Authority

The recipient must provide information to FEMA to assist with the legally-required environmental planning and historic preservation (EHP) review and to ensure compliance with applicable EHP laws and Executive Orders (EO). These EHP requirements include but are not limited to National Environmental Policy Act, National Historic Preservation Act, Endangered Species Act, EO 11988-Floodplain Management, EO 11990-Protection of Wetlands, and EO 12898-Environmental Justice. The recipient must comply with all Federal, State, and local EHP requirements and obtain applicable permits and clearances.

Recipient shall not undertake any activity from the project that would result in ground disturbance, facility modification, or relates to the use of sonar equipment without the prior approval of FEMA. These include but are not limited to communications towers, physical security enhancements involving ground disturbance, new construction, and modifications to buildings that are 50 years old or older. Recipient must comply with all mitigation or treatment measures required for the project as the result of FEMA's EHP review. Any change to an approved project description will require re-evaluation for compliance with EHP requirements before the project can proceed. If ground disturbing activities occur during project implementation, the recipient must ensure monitoring of ground disturbance and if any potential archeological resources are discovered, the recipient will immediately cease construction in that area and notify FEMA and the appropriate State Historic Preservation Office. Initiation of these activities prior to completion of FEMA's EHP review will result in a non-compliance finding and may not be eligible for grant funding.



Department of Homeland Security  
FEMA  
Grant Programs Directorate

**GRANT MANAGER'S MEMORANDUM, PT. I:  
PROJECT SUMMARY  
Cooperative Agreement**

PROJECT NUMBER  
2010-RA-T0-K044

PAGE 1 OF 1

This project is supported under Department of Homeland Security Appropriations Act, 2010 (Public Law 111-083)

**I. STAFF CONTACT (Name & telephone number)**

Lawrence White  
(202) 786-9568

**2. PROJECT DIRECTOR (Name, address & telephone number)**

Ernest Payne  
567 West Lake Street  
Chicago, IL 60661  
(312) 681-3454

**3a. TITLE OF THE PROGRAM**

FY 2010 Transit Security Grant Program

**3b. POMS CODE (SEE INSTRUCTIONS  
ON REVERSE)**

**4. TITLE OF PROJECT**

FY 2010 Transit Security Grant Program

**5. NAME & ADDRESS OF GRANTEE**

Chicago Transit Authority  
567 West Lake Street  
Chicago, IL 60661

**6. NAME & ADDRESS OF SUBGRANTEE**

**7. PROGRAM PERIOD**

FROM: 06/01/2010 TO: 05/31/2013

**8. BUDGET PERIOD**

FROM: 06/01/2010 TO: 05/31/2013

**9. AMOUNT OF AWARD**

\$ 10,344,091

**10. DATE OF AWARD**

08/06/2010

**11. SECOND YEAR'S BUDGET**

**12. SECOND YEAR'S BUDGET AMOUNT**

**13. THIRD YEAR'S BUDGET PERIOD**

**14. THIRD YEAR'S BUDGET AMOUNT**

**15. SUMMARY DESCRIPTION OF PROJECT (See instruction on reverse)**

Through this accord, the Chicago Transit Authority will use grant funding in the amount of \$10,344,091 from the Fiscal Year 2010 Transit Security Grant Program (TSGP) for security investments. Projects will be determined by the cooperative agreement process. These funds will enhance the ability of the nation's transit infrastructure to prevent, protect, respond to, and recover from threats or acts of terrorism.

Project 1 consists of Mobile Explosives Screening Team OPack with a federal amount of \$3,495,300.

Project 2 consists of Rail Car Video Surveillance System with a federal amount of \$6,848,791.

OJP FORM 4000/2 (REV. 4-88)

**1A. GRANTEE IRS/VENDOR NUMBER**

382184842

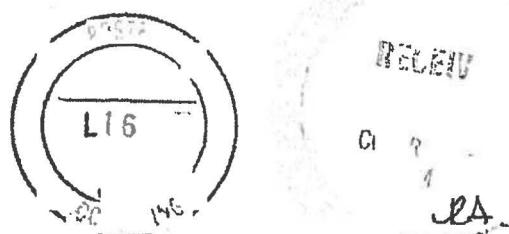
**13. CHANGE GRANT PERIOD**

FROM: 08/06/2010-05/31/2013

TO: 08/06/2010-11/30/2013

- 14** This Grant Adjustment Notice is issued to complete homeland security objectives and facilitate the drawdown of funds. It is prohibited from obligating, except as provided in the notice.

quires additional time to start and complete the drawdown of funds. It is prohibited from obligating, except as provided in the notice.





Document and Line Item's verified			
IFMIS Obligation - Modify		(C) DSG, Inc.	
Doc			
Obligation ID: 2010RATOK044	Type: GRANT	Status: OPEN	
CCR Exempt: N	Vendor: 362164842	CHICAGO TRANSIT AUTHORITY	
Amendment ID: 0000 Effective Date: 08/04/10	Perfor ance Date: 08/06/2013	Expiration Date: 11/30/13	
Prompt Pay Terms: 00 Disc Rate 0.000 Days 0 Net 0			
Amount:	New 0.00	Previous 4,223,444.00	Available 4,223,444.00
Freight:	0.00	0.00	0.00
Total :	0.00	4,223,444.00	4,223,444.00
Comment:			
Transaction 07/16/13 Date:	Accounting 10 Transfer Fund. Period:		
			

© 2005-2012 Digital Systems Group Inc.



Department of Homeland Security, FEMA  
Grant Programs Directorate

---

August 6, 2010

Washington, D.C. 20531

Mr. Richard Rodriguez  
Chicago Transit Authority  
567 West Lake Street  
Chicago, IL 60661

Dear Mr. Rodriguez:

I am pleased to inform you that the Grant Programs Directorate has approved the application for funding under the FY 2010 Transit Security Grant Program in the amount of \$10,344,091 for Chicago Transit Authority. The FY 2010 Transit Security Grant Program is an important component of a coordinated, national effort to strengthen the security of America's critical infrastructure.

Enclosed you will find the Grant Award and Special Conditions documents. This award is subject to all administrative and financial requirements, including the timely submission of all financial and programmatic reports, resolution of all interim audit findings, and the maintenance of a minimum level of cash-on-hand. Should you not adhere to these requirements, you will be in violation of the terms of this agreement and the award will be subject to termination for cause or other administrative action as appropriate.

If you have questions regarding this award, please contact:

- Program Questions, Lawrence White, Program Manager at (202) 786-9568;
- Financial and Payment Questions, Grants Management Division (GMD) at (866) 927-5646, or send an email to ask-GMD@dhs.gov.

Congratulations, and we look forward to working with you.

Sincerely,

Elizabeth M. Harman  
Assistant Administrator Grant Programs Directorate

Enclosures



Department of Homeland Security FEMA  
Grant Programs Directorate

### Cooperative Agreement

PAGE 1 OF 5

1. RECIPIENT NAME AND ADDRESS (Including Zip Code)  Chicago Transit Authority 567 West Lake Street Chicago, IL 60661		4. AWARD NUMBER: 2010-RA-T0-K044
		5. PROJECT PERIOD: FROM 06/01/2010 TO 05/31/2013 BUDGET PERIOD: FROM 06/01/2010 TO 05/31/2013
1A. GRANTEE IRS/VENDOR NO. 362164842		6. AWARD DATE 08/06/2010 7. ACTION 8. SUPPLEMENT NUMBER 00 Initial
		9. PREVIOUS AWARD AMOUNT \$ 0
3. PROJECT TITLE FY 2010 Transit Security Grant Program		10. AMOUNT OF THIS AWARD \$ 10,344,091
		11. TOTAL AWARD \$ 10,344,091
12. SPECIAL CONDITIONS  THE ABOVE GRANT PROJECT IS APPROVED SUBJECT TO SUCH CONDITIONS OR LIMITATIONS AS ARE SET FORTH ON THE ATTACHED PAGE(S).		
13. STATUTORY AUTHORITY FOR GRANT  This project is supported under Department of Homeland Security Appropriations Act, 2010 (Public Law 111-083)		
15. METHOD OF PAYMENT  PARS		
AGENCY APPROVAL		GRANTEE ACCEPTANCE
16. TYPED NAME AND TITLE OF APPROVING DHS OFFICIAL  Elizabeth M. Harman Assistant Administrator Grant Programs Directorate		18. TYPED NAME AND TITLE OF AUTHORIZED GRANTEE OFFICIAL  Richard Rodriguez President, Chicago Transit Authority
17. SIGNATURE OF APPROVING DHS OFFICIAL  <i>Elizabeth M. Harman</i>		19. SIGNATURE OF AUTHORIZED RECIPIENT OFFICIAL 19A. DATE
AGENCY USE ONLY		
20. ACCOUNTING CLASSIFICATION CODES  FISCAL FUND BUD. DIV. YEAR CODE ACT. OFC. REG. SUB. POMS AMOUNT  0 T RA 10 00 00 10344091		21. RA10V40037

OJP FORM 4000/2 (REV. 5-87) PREVIOUS EDITIONS ARE OBSOLETE.

OJP FORM 4000/2 (REV. 4-88)



Department of Homeland Security  
FEMA  
Grant Programs Directorate

**AWARD CONTINUATION  
SHEET**  
**Cooperative Agreement**

PAGE 2 OF 5

PROJECT NUMBER 2010-RA-T0-K044

AWARD DATE 08/06/2010

**SPECIAL CONDITIONS**

1. The grantee and any subgrantee shall comply with the most recent version of the Administrative Requirements, Cost Principles, and Audit Requirements. A non-exclusive list of regulations commonly applicable to DHS grants are listed below:

**A. Administrative Requirements**

1. 44 CFR Part 13, Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments

2. 2 CFR Part 215, Uniform Administrative Requirements for Grants and Agreements with Institutions of Higher Education, Hospitals, and Other Non-Profit Organizations (OMB Circular A-110)

**B. Cost Principles**

1. 2 CFR Part 225, Cost Principles for State, Local and Indian Tribal Governments (OMB Circular A-87)

2. 2 CFR Part 220, Cost Principles for Educational Institutions (OMB Circular A-21)

3. 2 CFR Part 230, Cost Principles for Non-Profit Organizations (OMB Circular A-122)

4. Federal Acquisition Regulations (FAR), Part 31.2 Contract Cost Principles and Procedures, Contracts with Commercial Organizations

**C. Audit Requirements**

1. OMB Circular A-133, Audits of States, Local Governments, and Non-Profit Organizations

2. Recipient understands and agrees that it cannot use any federal funds, either directly or indirectly, in support of the enactment, repeal, modification or adoption of any law, regulation or policy, at any level of government, without the express prior written approval of FEMA.

3. The recipient agrees that all allocations and use of funds under this grant will be in accordance with the FY 2010 Transit Security Grant Program guidance and application kit.

4. Program authority and responsibility under this cooperative agreement resides with FEMA. FEMA will work with the recipient to review and refine work plans to ensure program goals and objectives can be effectively accomplished.

The recipient shall not develop or engage in the development of tasks not approved in recipient's application without post-award approval from the program office, and the issuance of a Grant Amendment from FEMA. FEMA will monitor the project on a continual basis by maintaining ongoing contact with the recipient and will provide input to the program's direction, in consultation with the recipient, as needed.

5. The grantee is prohibited from obligating, expending or drawing down funds provided through this award until a Budget Review is completed and approved by the Grants Management Division (GMD) and an official notice has been issued removing this special condition.

6. The grantee is prohibited from obligating, expending or drawing down funds provided through this award that are associated with activities involving ground disturbance, construction, modification of structures, and purchase and use of sonar equipment until all applicable environmental and historic preservation documentation is provided to GPD for review and approval and an official notice has been issued by GPD in removing this special condition.



Department of Homeland Security  
FEMA  
Grant Programs Directorate

**AWARD CONTINUATION  
SHEET  
Cooperative Agreement**

PAGE 3 OF 5

PROJECT NUMBER 2010-RA-T0-K044

AWARD DATE 08/06/2010

**SPECIAL CONDITIONS**

7. The recipient shall submit the Federal Financial Report (FFR, SF-425) within 30 days of the end of the first Federal quarter following the initial grant award. The recipient shall submit quarterly FFRs thereafter until the grant ends. Reports are due on January 30, April 30, July 30, and October 30. A report must be submitted for every quarter of the period of performance, including partial calendar quarters, as well as for periods where no grant activity occurs. Future awards and fund draw downs may be withheld if these reports are delinquent. The final FFR is due 90 days after the end date of the performance period.
8. In the event FEMA determines that changes are necessary to the award document after an award has been made, including changes to period of performance or terms and conditions, recipients will be notified of the changes in writing. Once notification has been made, any subsequent request for funds will indicate recipient acceptance of the changes to the award. Please call the FEMA/GMD Call Center at (866) 927-5646 or via e-mail to ASK-GMD@dhs.gov if you have any questions.
9. A. Provisions applicable to a recipient that is a private entity.
  1. You as the recipient, your employees, subrecipients under this award, and subrecipients' employees may not:
    - a. Engage in severe forms of trafficking in persons during the period of time that the award is in effect;
    - b. Procure a commercial sex act during the period of time that the award is in effect; or
    - c. Use forced labor in the performance of the award or subawards under the award.
  2. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if you or a subrecipient that is a private entity:
    - a. Is determined to have violated a prohibition in paragraph A.1 of this award term; or
    - b. Has an employee who is determined by the agency official authorized to terminate the award to have violated a prohibition in paragraph A.1 of this award term through conduct that is either:
      - i. Associated with performance under this award; or
      - ii. Imputed to you or the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR Part 180, "OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Non-procurement)," as implemented by our agency at 2 CFR Part 3000.



Department of Homeland Security  
FEMA  
Grant Programs Directorate

**AWARD CONTINUATION  
SHEET**  
**Cooperative Agreement**

PAGE 4 OF 5

PROJECT NUMBER 2010-RA-T0-K044

AWARD DATE 08/06/2010

**SPECIAL CONDITIONS**

10. B. Provisions applicable to a recipient other than a private entity. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if a subrecipient that is a private entity:
1. Is determined to have violated an applicable prohibition in paragraph A.1 of this award term; or
  2. Has an employee who is determined by the agency official authorized to terminate the award to have violated an applicable prohibition in paragraph A.1 of this award term through conduct that is either:
    - a. Associated with performance under this award; or
    - b. Imputed to the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR part 180, "OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Non-procurement)," as implemented by our agency at 2 CFR part 3000.

C. Provisions applicable to any recipient.

1. You must inform us immediately of any information you receive from any source alleging a violation of a prohibition in paragraph A.1 of this award term.
2. Our right to terminate unilaterally that is described in paragraph A.2 or B of this section:
  - a. Implements section 106(g) of the Trafficking Victims Protection Act of 2000 (TVPA), as amended (22 U.S.C. 7104(g)), and
  - b. Is in addition to all other remedies for noncompliance that are available to us under this award.
3. You must include the requirements of paragraph A.1 of this award term in any subaward you make to a private entity.

D. Definitions. For purposes of this award term:

1. "Employee" means either:

- a. An individual employed by you or a subrecipient who is engaged in the performance of the project or program under this award; or
- b. Another person engaged in the performance of the project or program under this award and not compensated by you including, but not limited to, a volunteer or individual whose services are contributed by a third party as an in-kind contribution toward cost sharing or matching requirements.

2. "Forced labor" means labor obtained by any of the following methods: the recruitment, harboring, transportation, provision, or obtaining of a person for labor or services, through the use of force, fraud, or coercion for the purpose of subjection to involuntary servitude, peonage, debt bondage, or slavery.

3. "Private entity" means:

- a. Any entity other than a State, local government, Indian Tribe, or foreign public entity, as those terms are, defined in 2 CFR 175.25.
- b. Includes:

- i. A nonprofit organization, including any nonprofit institution of higher education, hospital, or tribal organization other than one included in the definition of Indian Tribe at 2 CFR 175.25(b).
- ii. A for-profit organization.

4. "Severe forms of trafficking in persons," "commercial sex act," and "coercion" have the meanings given at section 103 of the TVPA, as amended (22 U.S.C. 7102).



Department of Homeland Security  
FEMA  
Grant Programs Directorate

**AWARD CONTINUATION  
SHEET**  
**Cooperative Agreement**

PAGE 5 OF 5

PROJECT NUMBER 2010-RA-T0-K044

AWARD DATE 08/06/2010

*SPECIAL CONDITIONS*

11. A. "Classified national security information," as defined in Executive Order (EO) 12958, as amended, means information that has been determined pursuant to EO 12958 or any predecessor order to require protection against unauthorized disclosure and is marked to indicate its classified status when in documentary form.
- B. No funding under this award shall be used to support a contract, subaward, or other agreement for goods or services that will include access to classified national security information if the award recipient has not been approved for and has access to such information.
- C. Where an award recipient has been approved for and has access to classified national security information, no funding under this award shall be used to support a contract, subaward, or other agreement for goods or services that will include access to classified national security information by the contractor, subawardee, or other entity without prior written approval from the DHS Office of Security, Industrial Security Program Branch (ISPB), or, an appropriate official within the Federal department or agency with whom the classified effort will be performed.
- D. Such contracts, subawards, or other agreements shall be processed and administered in accordance with the DHS "Standard Operating Procedures, Classified Contracting by States and Local Entities," dated July 7, 2008; EOs 12829, 12958, 12968, as amended; the National Industrial Security Program Operating Manual (NISPOM); and/or other applicable implementing directives or instructions. All security requirement documents are located at: <http://www.dhs.gov/xopnbiz/grants/index.shtml>
- E. Immediately upon determination by the award recipient that funding under this award will be used to support such a contract, subaward, or other agreement, and prior to execution of any actions to facilitate the acquisition of such a contract, subaward, or other agreement, the award recipient shall contact ISPB, or the applicable Federal department or agency, for approval and processing instructions.

DHS Office of Security ISPB contact information:

Telephone: 202-447-5346

Email: DD254AdministrativeSecurity@dhs.gov

Mail: Department of Homeland Security  
Office of the Chief Security Officer  
ATTN: ASD/Industrial Security Program Branch  
Washington, D.C. 20528



Department of Homeland Security, FEMA

*Grant Programs Directorate*

---

*Washington, D.C. 20531*

**Memorandum To:** Official Grant File

**From:** Adria Martinez, GPD NEPA Liaison

**Subject:** Incorporates NEPA Compliance in Further Developmental Stages for Chicago Transit Authority

The recipient must provide information to FEMA to assist with the legally-required environmental planning and historic preservation (EHP) review and to ensure compliance with applicable EHP laws and Executive Orders (EO). These EHP requirements include but are not limited to National Environmental Policy Act, National Historic Preservation Act, Endangered Species Act, EO 11988-Floodplain Management, EO 11990-Protection of Wetlands, and EO 12898-Environmental Justice. The recipient must comply with all Federal, State, and local EHP requirements and obtain applicable permits and clearances.

Recipient shall not undertake any activity from the project that would result in ground disturbance, facility modification, or relates to the use of sonar equipment without the prior approval of FEMA. These include but are not limited to communications towers, physical security enhancements involving ground disturbance, new construction, and modifications to buildings that are 50 years old or older. Recipient must comply with all mitigation or treatment measures required for the project as the result of FEMA's EHP review. Any change to an approved project description will require re-evaluation for compliance with EHP requirements before the project can proceed. If ground disturbing activities occur during project implementation, the recipient must ensure monitoring of ground disturbance and if any potential archeological resources are discovered, the recipient will immediately cease construction in that area and notify FEMA and the appropriate State Historic Preservation Office. Initiation of these activities prior to completion of FEMA's EHP review will result in a non-compliance finding and may not be eligible for grant funding.



Department of Homeland Security  
FEMA  
Grant Programs Directorate

**GRANT MANAGER'S MEMORANDUM, PT. I:  
PROJECT SUMMARY**  
**Cooperative Agreement**

PROJECT NUMBER  
2010-RA-T0-K044

PAGE 1 OF 1

This project is supported under Department of Homeland Security Appropriations Act, 2010 (Public Law 111-083)

1. STAFF CONTACT (Name & telephone number)  Lawrence White (202) 786-9568		2. PROJECT DIRECTOR (Name, address & telephone number)  Ernest Payne 567 West Lake Street Chicago, IL 60661 (312) 681-3454	
3a. TITLE OF THE PROGRAM  FY 2010 Transit Security Grant Program		3b. POMS CODE (SEE INSTRUCTIONS ON REVERSE)	
4. TITLE OF PROJECT  FY 2010 Transit Security Grant Program			
5. NAME & ADDRESS OF GRANTEE  Chicago Transit Authority 567 West Lake Street Chicago, IL 60661		6. NAME & ADDRESS OF SUBGRANTEE	
7. PROGRAM PERIOD  FROM: 06/01/2010 TO: 05/31/2013		8. BUDGET PERIOD  FROM: 06/01/2010 TO: 05/31/2013	
9. AMOUNT OF AWARD  \$ 10,344,091		10. DATE OF AWARD  08/06/2010	
11. SECOND YEAR'S BUDGET		12. SECOND YEAR'S BUDGET AMOUNT	
13. THIRD YEAR'S BUDGET PERIOD		14. THIRD YEAR'S BUDGET AMOUNT	
15. SUMMARY DESCRIPTION OF PROJECT (See instruction on reverse)  Through this accord, the Chicago Transit Authority will use grant funding in the amount of \$10,344,091 from the Fiscal Year 2010 Transit Security Grant Program (TSGP) for security investments. Projects will be determined by the cooperative agreement process. These funds will enhance the ability of the nation's transit infrastructure to prevent, protect, respond to, and recover from threats or acts of terrorism.  Project 1 consists of Mobile Explosives Screening Team OPack with a federal amount of \$3,495,300.  Project 2 consists of Rail Car Video Surveillance System with a federal amount of \$6,848,791.			

OJP FORM 4000/2 (REV. 4-88)

**1A. GRANTEE IRS/VENDOR NUMBER**

302164842

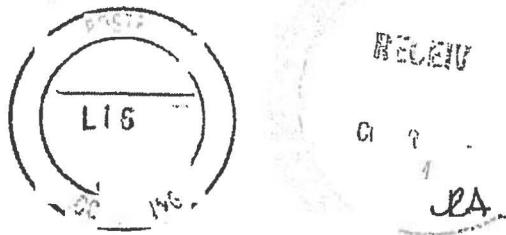
**13. CHANGE GRANT PERIOD**

FROM: 08/06/2010-05/31/2013

TO: 08/06/2010-11/30/2013

- 14** This Grant Adjustment Notice  
complete homeland security  
facilitate the drawdown of funds  
prohibited from obligating, except  
as otherwise specified.

allows additional time to start and  
complete project progress reports to  
award and the grantee will be  
informed of performance expectations.



IFMIS	Change Date: 07/16/2013	Sign Out																
<p>Document and line item is verified</p> <p><b>IFMIS Obligation - Modify</b> (C) DSG, Inc.</p> <p>Doc Obligation ID: 2010RATOK044 Type: GRANT Status: OPEN CCR Exempt: N Vendor: 362164842 CHICAGO TRANSIT AUTHORITY Amendment ID: 0000 Effective Performance Expiration Date: 08/04/10 Date: 08/04/10 From: 08/06/2013 To: 11/30/13 Date: 11/30/13</p> <p>Prompt Pay Terms: 00 Disc Rate 0.000 Days 0 Net 0</p> <table><thead><tr><th></th><th>New</th><th>Previous</th><th>Available</th></tr></thead><tbody><tr><td>Amount:</td><td>0.00</td><td>4,223,444.00</td><td>4,223,444.00</td></tr><tr><td>Freight:</td><td>0.00</td><td>0.00</td><td>0.00</td></tr><tr><td>Total</td><td>0.00</td><td>4,223,444.00</td><td>4,223,444.00</td></tr></tbody></table> <p>Comment:</p> <p>Transaction 07/16/13 Accounting 10 Transfer Fund. Date: Period:</p> <p>[Redacted]</p>				New	Previous	Available	Amount:	0.00	4,223,444.00	4,223,444.00	Freight:	0.00	0.00	0.00	Total	0.00	4,223,444.00	4,223,444.00
	New	Previous	Available															
Amount:	0.00	4,223,444.00	4,223,444.00															
Freight:	0.00	0.00	0.00															
Total	0.00	4,223,444.00	4,223,444.00															

© 2005-2012 Digital Systems Group Inc.

# **FY 2010 TRANSIT SECURITY GRANT PROGRAM (TSGP)**

## **TRANSIT ANTI-TERRORISM TEAMS**

### **Budget Narrative and Detail Revised November 23, 2013**

*Under the FY10 Transit Security Grant Program, the Chicago Transit Authority (CTA) is the grant applicant. The Chicago Police Department, as primary security provider, is a sub-grantee providing a contracted service in the form of operational packages (OPacks).*

**Explanation:** CPD requests this budget modification to: 1) reprogram unused funds resulting from a shortened operational period; 2) provide practical team equipment to significantly increase the deterrence capabilities of CPD's current transit-dedicated counter-terror teams; and 3) ensure that TSGP funds are appropriately expended in support of transit security objectives.

**Personnel and Fringe Benefit Costs:** The personnel and fringe benefit costs reflected in this budget are actual expenditures for eight supported positions assigned to transit-dedicated Anti-Terrorism Teams funded through this grant from January 1, 2011 through October 31, 2013, with CPD projecting costs through the November 30, 2013 grant end date.

**Equipment:** CPD leadership has a strong interest in using chemical identifiers to exponentially increase the capabilities of our TSGP-funded anti-terrorism teams and provide another layer of detection for Chicago's transit infrastructure. While the initial plan was to rotate three devices between eleven (11) teams, the availability of funding allows CPD to fund two (2) additional chemical identifiers and ensure that a one device is always available for any two teams working any particular watch.

This revision will also allow CPD to take advantage of planned CTA infrastructure improvements that will bring the latest generation wireless technology into 24 miles of subsurface tunnels and provide faster and more reliable voice, data and web services throughout the underground commuter network. For CPD's transit security objectives, this improvement represents an opportunity to add a transit network-wide detection and screening capacity by equipping each of the eleven (11) TSGP-funded transit security teams and eight (8) standalone Explosives Detection Canine Teams (EDCT) with mobile identity verification devices.

The remainder of unused grant funds will be utilized to install lockable storage compartments in five (5) EDCT vehicles to secure provided equipment.

To accommodate these operating costs, CPD is proposing to reallocate a total of \$218,220 (\$195,743 from "Personnel" and \$22,477 from Fringe Benefits) to address shortfalls in the Equipment and Supplies category. The new equipment total is \$634,910; the new Supplies total is \$1,600.

A brief overview of our requested changes is as follows:

**Personnel:** decreased to \$2,047,613 from \$2,243,356  
**Fringe:** decreased to \$811,177 from \$833,654  
**Equipment:** increased to \$634,910 from \$416,850  
**Supplies:** increased to \$1,600 from \$1,440  
**Contractual:** no change at \$0  
**Other costs:** no change at \$0

**A. Personnel.** List each position by title and name of employee, if available. Show the annual salary rate and the percentage of time to be devoted to the project. Compensation paid for employees engaged in grant activities must be consistent with that paid for similar work within the applicant organization.

Name/Position	Computation	Cost
---------------	-------------	------

The Chicago Police Department will create two new full-time Transit Anti-Terrorism Teams (ATTs) within the Public Transportation Section. Each Team will consist of four officers, for a total of eight officers. Funding is requested for salaries and contract costs for eight officers across 35 months of activity: **\$2,047,613**.

Personnel costs reflected in this budget revision are actual salary expenditures from operating two 4-person Transit Anti-Terrorism Teams from January 1, 2011 through October 31, 2013 and projected through the November 30, 2013 grant end date (35 months of activity). Our current experience is that Anti-Terrorism Team officers have actual salary costs that differ slightly from projected estimates as a result of several factors including seniority dates that reduce or increase expected step increase percentages and COLA costs.

The salary calculations in this revision also include mandatory salary supplements stipulated by the contract between the City of Chicago and the Fraternal Order of Police (FOP). For these two Anti-Terrorism Teams, the average salary supplement cost per officer per year is **\$6,008.25** consisting of the following costs: Duty Availability; Personal and Baby Furlough Sell Back days; Holiday Pay and Uniform Allowance.

The personnel cost calculations are found below:

Police Officer Salary = \$81,575 per officer per year (average monthly cost @ \$6,797.91)  
= \$237,927 per officer for 35 months of activity  
= **\$1,903,415 for eight police officers across 35 months**

Add:

Annual salary supplement mandated by City of Chicago and FOP contract:  
= \$6,008.25 per officer per year (average)  
= \$18,025 per officer for 35 months  
= **\$144,198 for eight officers across 35 months of activity**

**TOTAL PERSONNEL: \$2,047,613 (was \$2,243,356)**

**B. Fringe Benefits.** Fringe benefits should be based on actual known costs or an established formula. Fringe benefits are for the personnel listed in budget category (A) and only for the percentage of time devoted to the project.

Name/Position	Computation	Cost
---------------	-------------	------

Chicago Police Officer fringe benefit costs include the following costs for each of eight officers assigned to the two Anti-Terrorism Teams: Medical Insurance, Unemployment Insurance, Worker's Compensation and General Liability Insurance, Medicare and Pension Contribution.

**TOTAL FRINGE: \$811,177 (was \$833,654)**

**C. Travel.** Itemize travel expenses of project personnel by purpose (e.g., staff to training, field interviews, advisory group meeting, etc.). Show the basis of computation (e.g., six people to 3-day training at \$X airfare, \$X lodging, \$X subsistence). In training projects, travel and meals for trainees should be listed separately. Show the number of trainees and unit costs involved. Identify the location of travel, if known. Indicate source of Travel Policies applied, Applicant or Federal Travel Regulations.

Purpose of Travel	Location	Item	Computation	Cost
-------------------	----------	------	-------------	------

**TOTAL TRAVEL: \$0**

**D. Equipment.** List non-expendable items that are to be purchased. Non-expendable equipment is tangible property having a useful life of more than one year. (Note: Organization's own capitalization policy and threshold amount for classification of equipment may be used). Expendable items should be included either in the "Supplies" category or in the "Other" category. Applicants should analyze the cost benefits of purchasing versus leasing equipment, especially high cost items and those subject to rapid technical advances. Rented or leased equipment costs should be listed in the "Contractual" category. Explain how the equipment is necessary for the success of the project. Attach a narrative describing the procurement method to be used.

Item	Computation	Cost
1. Deployment Vehicles	4 x \$31,750	\$127,000
2. Vehicle cargo area vaults	9 x \$3,750	\$33,750
3. Portable Data Terminals	10 x \$5,100	\$51,000
4. Handheld chemical identifiers	5 x \$65,300	\$326,500
5. Mobile identity verification devices	30 x \$2,102	\$63,060
6. Portable Radios	8 x \$2,900	\$23,200
7. Power inverter + shore line	1 x \$4,750	\$4,750
8. Portable tables	5 x \$450	\$2,250
9. 8 crowd flow control devices	8 x \$300	\$2,400
10. 5 freestanding signs	5 x \$200	\$1,000
	<b>Total</b>	<b>\$634,910</b>

**Budget Narrative:** Provide a narrative budget justification for each of the budget items identified.

- 1) **Deployment Vehicle:** CPD will purchase two specialized covert deployment vehicles for the Anti-Terrorism Teams. In addition to the up-fitting required for unmarked CPD response

vehicles (including a GPS and dock for a Police Data Terminal), appropriate rear lock boxes will be installed for Anti-Terrorism Team equipment. The response vehicles will allow the Anti-Terrorism Teams to conduct more random unpredictable deterrence patrols in CTA's mass transit infrastructure while considerably improving their rapid response capabilities for CBRNE and/or terrorism incidents. CPD will also provision the two transit-dedicated Sergeant Supervisors (approved in CPD's FY11 Anti-Terrorism TORCH Team Project) with appropriately-equipped deployment vehicles. With the addition of twelve (12) officers for the TORCH Teams, the increase in CPD's TSGP-funded counter-terror assets requires CPD to establish adequate and positive field leadership and supervision for all deployed transit-dedicated sworn personnel; and to ensure accountability. The Sergeants funded through the FY11 TORCH Team project are expected to provide field leadership, guidance and direction, mentorship, and appropriate supervisory action in situations where deficiencies are observed. They are also the initial points of contact between CPD and other agencies during missions and other joint operations. The deployment vehicles for the Sergeant Supervisors will allow them to perform their anti-terrorism field duties and responsibilities efficiently and effectively, while enabling them to quickly respond to incidents in the transit system that requires a supervisor such as firearm discharge incidents and the completion and approval of Tactical Response Reports. AEL: 12VE-00-MISS

CPD also intends to install rear lock boxes in seven (7) Explosives Detection Canine Team (EDCT) vehicles to ensure that EDCT equipment is kept secure.

- 2) **Police Data Terminals:** PDTs are required in all CPD response vehicles. For the Public Transportation Section, these hardened laptops provide first responders with mobile, on-scene technology to access transit system schematics; anti-terrorism information (soon to include face recognition and video analytics data); CTA platform diagrams and other up-to-date information essential during CBRNE incidents in Chicago's transit infrastructure. This information is stored, parsed, vetted, and transmitted through CPD's massive criminal justice information management system called CLEAR or the Citizen and Law Enforcement Reporting and Analysis System. In addition to threat and incident-specific information, authorized users may also access transit dedicated functions such as multiple live video feeds from cameras installed in CTA's infrastructure and utilize other functionalities developed through TSGP funding, such as face recognition and video analytics. While approved for funding in CPD's previous TSGP projects, only six units (for six TSGP-funded K9 transport vehicles) were ordered due to contracting issues. Those issues have since been resolved and a contract has been made available. Once approved, the additional PDTs will be utilized in the following TSGP-funded vehicles: 4 deployment vehicles in this project, 3 EDCT K9 transports and the 3 covert deployment vehicles utilized by the ARRA TSGP funded Anti-Terrorism Teams.. AEL: 04HW-01-MOBL
- 3) **Handheld Chemical Identification Devices:** point chemical agent detectors that utilize Raman spectroscopy. These portable, real-time detection devices will be critical when analyzing potentially dangerous materials in CTA's downtown infrastructure. Once an unknown substance has been identified, police personnel can then request a response from the appropriate unit. Working with transit-dedicated Bomb Response Liaison Officers, these devices may also be integrated into one of robots dedicated for use in Chicago's transit environment as necessary. Subsequent to training, these devices will be deployed with either the Supervisors or rotated among the counter-terrorism units as required to augment the terrorism incident mitigation capabilities of these transit-dedicated teams. The purchase contract will include training for all TSGP-funded officers and three (3) years of warranties and upgrades to extend equipment usefulness. This future-proofing, combined with

additional transit anti-terrorism training, will significantly increase the capabilities of TSGP-funded resources and ensure these teams continue to be relevant and effective despite constantly changing operational realities in Chicago and in the Homeland. AEL: 07CD-01-DPRS

- 4) **Mobile Identity Verification Devices (Mobile ID):** CPD is utilizing UASI funding to build the infrastructure to support mobile identity verification activities throughout the City of Chicago. To further expand on this capability, provide another layer of anti-terrorism screening and deterrence for Chicago's mass transit system, and take advantage of CTA plans to vastly improve subsurface wireless access in 24 miles of tunnels, CPD intends to equip its transit-dedicated counter-terror teams with Mobile ID devices. These devices will be linked via secure Bluetooth and/or VPN to the Police Data Terminals installed in the Team's response vehicles and allow officers to positively verify the identity of individuals who may present suspicious, fraudulent or altered government-issued identification. The handheld devices will provide TSGP Team members conducting random patrols in CTA's system with a "hot link" to local, state and federal databases (particularly the FBI's "Known or Appropriately Suspected Terrorists" list) and suitably establish the identity of the individual. CPD will purchase 30 Mobile ID devices and intends to distribute the equipment as follows: 2 devices per Team x 11 teams = 22; one device for each of eight standalone EDCTs. Similar to the chemical identification devices, CPD will also ensure extended use of these devices by purchasing extended warranties each device. AEL: 20CS-01-AFIS
- 5) **Portable Police Radios:** handheld radios for 8 ATT officers. AEL: 06CP-01-PORT
- 6) **Power inverter and shore line for transit-dedicated robot transport van:** this will ensure that TSGP-funded technologies with CPD's Bomb Tech Unit (e.g., explosives mitigation robot, laptops and x-ray devices) are fully powered and can be brought to service at a moment's notice. The power inverter and shoreline will provide the robot transport van with land-side power while parked in the garage, ensuring that batteries in the equipment are fully charged. Once deployed, the power inverter will provide continuous power to on-board equipment. AEL: 10PE-00-INV
- 7) **Portable Table:** A table will provide a platform for equipment and packages for officers conducting screening operations on train platforms. AEL: 01ZP-00-STOL
- 8) **Crowd Flow and Control Devices:** Required barricades for controlling the flow of passengers and other persons during screening operations. AEL: 030E-03-SIGN
- 9) **Free Standing Signs:** Required public notification to be displayed when conducting screening operations. AEL: 030E-03-SIGN

**TOTAL EQUIPMENT: \$634,910 (was \$416,850)**

**E. Supplies.** List items by type (office supplies, postage, training materials, copying paper, and other expendable items such as books, hand held tape recorders) and show the basis for computation. (Note: Organization's own capitalization policy and threshold amount for classification of supplies may be used). Generally, supplies include any materials that are expendable or consumed during the course of the project.

Supply Items	Computation	Cost
--------------	-------------	------

Replacement glass vials for chemical identification procedures @ \$160 per box X 2 boxes per device X 5 devices = **\$1,600**

Each box contains 144 "certified clean" vials.

**TOTAL SUPPLIES: \$1,600 (was \$1,440)**

**F. Consultants/Contracts.** Indicate whether applicant's formal, written Procurement Policy or the Federal Acquisition Regulations are followed.

**Consultant Fees:** For each consultant enter the name, if known, service to be provided, hourly or daily fee (8-hour day), and estimated time on the project.

**Budget Narrative:** Provide a narrative budget justification for each of the budget items identified.

Name of Consultant	Service Provided	Computation	Cost
--------------------	------------------	-------------	------

- No consultant fees.

**Consultant Expenses:** List all expenses to be paid from the grant to the individual consultant in addition to their fees (i.e., travel, meals, lodging, etc.)

**Budget Narrative:** Provide a narrative budget justification for each of the budget items identified.

Item	Location	Computation	Cost
------	----------	-------------	------

- No consultant costs.

**Contracts:** Provide a description of the product or services to be procured by contract and an estimate of the cost. Applicants are encouraged to promote free and open competition in awarding contracts. A separate justification must be provided for sole source contracts in excess of \$100,000.

**Budget Narrative:** Provide a narrative budget justification for each of the budget items identified.

Item	Cost
------	------

- No contracts costs.

**TOTAL CONSULTANTS/CONTRACTS: \$0**

**G. Other Costs.** List items (e.g., reproduction, janitorial or security services, and investigative or confidential funds) by major type and the basis of the computation. For example, provide the square footage and the cost per square foot for rent, and provide a monthly rental cost and how many months to rent.

**Budget Narrative:** Provide a narrative budget justification for each of the budget items identified.

**Important Note:** If applicable to the project, construction costs should be included in this section of the Budget Detail Worksheet.

Description	Computation	Cost
-------------	-------------	------

- No other costs.

#### TOTAL OTHER COSTS: \$0

**H. Indirect Costs.** Indirect costs are allowed only if the applicant has a federally approved indirect cost rate. A copy of the rate approval, (a fully executed, negotiated agreement), must be attached. If the applicant does not have an approved rate, one can be requested by contacting the applicant's cognizant Federal agency, which will review all documentation and approve a rate for the applicant organization, or if the applicant's accounting system permits, costs may be allocated in the direct costs categories.

Description	Computation	Cost
-------------	-------------	------

- No indirect costs

**Budget Summary** - When you have completed the budget worksheet, transfer the totals for each category to the spaces below. Compute the total direct costs and the total project costs. Indicate the amount of Federal funds requested and the amount of non-Federal funds that will support the project.

Budget Category	Federal Amount	Non-Federal Amount
A. Personnel	\$2,047,613	\$
B. Fringe Benefits	\$811,177	\$
C. Travel	\$0	\$
D. Equipment	\$634,910	\$
E. Supplies	\$1,600	\$
F. Consultants/Contracts	\$0	\$
G. Other	\$0	\$
H. Indirect Costs	\$0	\$

Total Requested Federal Amount	Total Non-Federal Amount
\$3,495,300	\$
<b>Combined Total Project Costs</b>	
\$3,495,300	



Department of Homeland Security, FEMA

*Grant Programs Directorate*

---

Washington, D.C. 20531

**Memorandum To:** Official Grant File

**From:** Jeffrey Hall, GPD NEPA Liaison

**Subject:** Incorporates NEPA Compliance in Further Developmental Stages for Chicago Transit Authority

The recipient shall comply with all applicable Federal, State, and local environmental and historic preservation (EHP) requirements and shall provide any information requested by FEMA to ensure compliance with applicable laws including: National Environmental Policy Act, National Historic Preservation Act, Endangered Species Act, and Executive Orders on Floodplains (11988), Wetlands (11990) and Environmental Justice (12898). Failure of the recipient to meet Federal, State, and local EHP requirements and obtain applicable permits may jeopardize Federal funding. Recipient shall not undertake any project having the potential to impact EHP resources without the prior approval of FEMA, including but not limited to communications towers, physical security enhancements, new construction, and modifications to buildings that are 50 years old or greater. Recipient must comply with all conditions placed on the project as the result of the EHP review. Any change to the approved project scope of work will require re-evaluation for compliance with these EHP requirements. If ground disturbing activities occur during project implementation, the recipient must ensure monitoring of ground disturbance and if any potential archeological resources are discovered, the recipient will immediately cease construction in that area and notify FEMA and the appropriate State Historic Preservation Office. Any construction activities that have been initiated prior to the full environmental and historic preservation review will result in a non-compliance finding.



Department of Homeland Security FEMA  
Grant Programs Directorate

Cooperative Agreement

PAGE 1 OF 3

1. RECIPIENT NAME AND ADDRESS (Including Zip Code)  Chicago Transit Authority 567 West Lake Street Chicago, IL 60661		4. AWARD NUMBER: 2009-RA-T9-K016	
		5. PROJECT PERIOD: FROM 06/01/2009 TO 05/31/2012 BUDGET PERIOD: FROM 06/01/2009 TO 05/31/2012	
		6. AWARD DATE 07/24/2009	7. ACTION Initial
1A. GRANTEE IRS/VENDOR NO. 362164842		8. SUPPLEMENT NUMBER 00	
		9. PREVIOUS AWARD AMOUNT \$ 0	
3. PROJECT TITLE FY 2009 Transit Security Grant Program		10. AMOUNT OF THIS AWARD \$ 13,838,973	
		11. TOTAL AWARD	\$ 13,838,973
12. SPECIAL CONDITIONS  THE ABOVE GRANT PROJECT IS APPROVED SUBJECT TO SUCH CONDITIONS OR LIMITATIONS AS ARE SET FORTH ON THE ATTACHED PAGE(S).			
13. STATUTORY AUTHORITY FOR GRANT  This project is supported under Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009, P.L. No. 110-329			
15. METHOD OF PAYMENT PARS			
AGENCY APPROVAL		GRANTEE ACCEPTANCE	
16. TYPED NAME AND TITLE OF APPROVING DHS OFFICIAL  W. Ross Ashley, III Assistant Administrator, Grant Programs Directorate		18. TYPED NAME AND TITLE OF AUTHORIZED GRANTEE OFFICIAL  Ron Huberman President, Chicago Transit Authority *	
17. SIGNATURE OF APPROVING DHS OFFICIAL 		19. SIGNATURE OF AUTHORIZED RECIPIENT OFFICIAL 	19A. DATE 25-09
AGENCY USE ONLY			
20. ACCOUNTING CLASSIFICATION CODES  FISCAL FUND BUD. DIV. YEAR CODE ACT. OFC. REG. SUB. POMS AMOUNT		21. RA09V40033  9 T RA 10 00 00 13838973	

OJP FORM 4000/2 (REV. 5-87) PREVIOUS EDITIONS ARE OBSOLETE.

\* Ron Huberman resigned from the office of President of the CTA on January 29, 2009. On March 11, 2009, Richard L. Rodriguez was appointed President and, under CTA rules and regulations has authority to execute any and all grant and related documents.

Eugene L. Munin  
General Counsel



Department of Homeland Security  
FEMA  
Grant Programs Directorate

**AWARD CONTINUATION  
SHEET**  
**Cooperative Agreement**

PAGE 2 OF 3

PROJECT NUMBER 2009-RA-T9-K016

AWARD DATE 07/24/2009

**SPECIAL CONDITIONS**

1. The grantee and any subgrantee shall comply with the most recent version of the Administrative Requirements, Cost Principles, and Audit Requirements. A non-exclusive list of regulations commonly applicable to DHS grants are listed below:

A. Administrative Requirements

1. 44 CFR Part 13, Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments
2. 2 CFR Part 215, Uniform Administrative Requirements for Grants and Agreements with Institutions of Higher Education, Hospitals, and Other Non-Profit Organizations (OMB Circular A-110)

B. Cost Principles

1. 2 CFR Part 225, Cost Principles for State, Local and Indian Tribal Governments (OMB Circular A-87)
2. 2 CFR Part 220, Cost Principles for Educational Institutions (OMB Circular A-21)
3. 2 CFR Part 230, Cost Principles for Non-Profit Organizations (OMB Circular A-122)

C. Audit Requirements

1. OMB Circular A-133, Audits of States, Local Governments, and Non-Profit Organizations
2. Recipient understands and agrees that it cannot use any federal funds, either directly or indirectly, in support of the enactment, repeal, modification or adoption of any law, regulation or policy, at any level of government, without the express prior written approval of FEMA.
3. The recipient agrees that all allocations and use of funds under this grant will be in accordance with the FY 2009 Transit Security Grant Program guidance and application kit.
4. The Department of Homeland Security has elected to enter into cooperative agreements with FY 2009 Transit Security Grant Program funding recipients who were identified as Tier I in the FY 2009 Transit Security Grant Program Guidance and Application Kit. The nature of federal involvement in the execution of this program may include joint conduct of a Tier I project. Other examples of prospective substantial federal involvement include the following:
  - Collaboration, participation, and/or intervention in any Tier I activity covered by the cooperative agreement;
  - Approval from DHS prior to the selection of a new Tier I project;
  - Authority for DHS to halt a Tier I activity if detailed performance specification are not met;
  - Authority for DHS to direct or redirect the scope of work of a Tier I project based on new circumstances; and
  - Authority for DHS to create a working group of key federal and private sector stakeholders to provide guidance and coordination for transit security activities.
5. The grantee is prohibited from obligating, expending or drawing down funds provided through this award until a Budget Review is completed and approved by the Grants Management Division (GMD) and an official notice has been issued removing this special condition.



Department of Homeland Security  
FEMA  
Grant Programs Directorate

AWARD CONTINUATION  
SHEET  
Cooperative Agreement

PAGE 3 OF 3

PROJECT NUMBER 2009-RA-T9-K016

AWARD DATE 07/24/2009

**SPECIAL CONDITIONS**

6. The grantee is prohibited from obligating, expending or drawing down funds provided through this award until all applicable programmatic documents are provided to and approved by the program office and an official notice has been issued removing this special condition.
7. The grantee is prohibited from obligating, expending or drawing down funds provided through this award until all applicable programmatic documents are provided for and approved by a DHS/FEMA Environmental and Historic Preservation review and an official notice has been issued removing this special condition.

OJP FORM 4000/2 (REV. 4-88)

Initial RLR  
Date 8.5.09



Department of Homeland Security  
FEMA  
Grant Programs Directorate

**GRANT MANAGER'S MEMORANDUM, PT. I:  
PROJECT SUMMARY  
Cooperative Agreement**

PROJECT NUMBER  
2009-RA-T9-K016

PAGE 1 OF 1

This project is supported under Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009, P.L. No. 110-329

**1. STAFF CONTACT (Name & telephone number)**

Jim Siwek  
(202) 786-9597

**2. PROJECT DIRECTOR (Name, address & telephone number)**

Ernest Payne  
Manager, Program Funding  
567 West Lake Street  
Chicago, IL 60661  
(312) 681-3454

**3a. TITLE OF THE PROGRAM**

FY 2009 Transit Security Grant Program

**3b. POMS CODE (SEE INSTRUCTIONS  
ON REVERSE)**

**4. TITLE OF PROJECT**

FY 2009 Transit Security Grant Program

**5. NAME & ADDRESS OF GRANTEE**

Chicago Transit Authority  
567 West Lake Street  
Chicago, IL 60661

**6. NAME & ADDRESS OF SUBGRANTEE**

**7. PROGRAM PERIOD**

FROM: 06/01/2009 TO: 05/31/2012

**8. BUDGET PERIOD**

FROM: 06/01/2009 TO: 05/31/2012

**9. AMOUNT OF AWARD**

\$ 13,838,973

**10. DATE OF AWARD**

07/24/2009

**11. SECOND YEAR'S BUDGET**

**12. SECOND YEAR'S BUDGET AMOUNT**

**13. THIRD YEAR'S BUDGET PERIOD**

**14. THIRD YEAR'S BUDGET AMOUNT**

**15. SUMMARY DESCRIPTION OF PROJECT (See instruction on reverse)**

Through this accord, the Chicago Transit Authority will use grant funding in the amount of \$13,838,973 from the Fiscal Year 2009 Transit Security Grant Program (TSGP) for costs related to enhancing the Nation's transit infrastructure to prevent, protect, respond to, and recover from threats or acts of terrorism.

OJP FORM 4000/2 (REV. 4-88)

Project 1 consists of Security Cameras in Rail Yards with a federal award amount of \$4,000,000.

Chicago Police Department projects through CTA:

Project 1 consists of Explosives Detection Canine Program with a federal award amount of \$3,000,000.

Project 2 consists of Visible Intermodal Prevention and Response Team (VIPR) with a federal award amount of \$1,250,000.

Project 3 consists of Transit Terrorist Tools & Tactics (T4) Training with a federal award amount of \$587,536.

Project 4 consists of Chicago Transit Security Analytics Program with a federal award amount of \$5,001,437. ←

Nancy Cannon  
6-7-3-12



U.S. Department of Homeland Security  
Grant Programs Directorate

**GRANT ADJUSTMENT NOTICE**

1. GRANTEE NAME AND ADDRESS (Including Zip Code) Chicago Transit Authority 587 West Lake Street Chicago, IL 60661 149	3. GRANT NUMBER 2009-RA-TB-K018
1A. GRANTEE IRS/VENDOR NUMBER 382184842	4. ADJUSTMENT NUMBER 2
2. PROJECT TITLE FY 2009 TSGP	5. DATE JUN 14 2012
	6. GRANT MANAGER Larry White

**SECTION I. DEOBLIGATIONS & REOBLIGATIONS**

7. ACCOUNTING CLASSIFICATION CODE	9. PREVIOUS GRANT AWARD AMOUNT \$ 13,838,973.00
FISCAL YEAR      FUND CODE      BUD. ACT.      OFC. DIV.REG. SUB. MBO	10. DEOBLIGATION AMOUNT \$
DOCUMENT CONTROL NUMBER	11. ADJUSTED AWARD AMOUNT \$ 13,838,973.00

**SECTION II. CHANGES**

12. CHANGE GRANT MANAGER	FROM: _____	TO: _____
13. CHANGE GRANT PERIOD	FROM: 08/01/09-05/31/12	TO: 08/01/09-11/30/12

**SECTION III. OTHER ADJUSTMENTS & INFORMATION**

14. This Grant Adjustment Notice (GAN) extends the grant period as stated above. The grantee requires additional time to start and complete homeland security projects. The grantee is reminded to submit all financial status reports and project progress reports to facilitate the drawdown of funds.



15. TYPED NAME AND TITLE OF AUTHORIZED OFFICIAL Alexander R. Mrazik, Jr., Branch Chief, Preparedness Grants Division	16. SIGNATURE OF AUTHORIZED OFFICIAL John L. Mrazik for Alex Mrazik Jr. 06/05/2012
---	--

CTA O 1,000,000  
CPD D 9834,173  
13,838,973

**1 GRANTEE NAME AND ADDRESS (Including Zip Code)**

Chicago Transit Authority  
567 West Lake Street  
Chicago, IL 60061

**4 ADJUSTMENT NUMBER**

3

**6 GRANT MANAGER**

L

**7 ACCOUNTING CLASSIFICATION CODE**

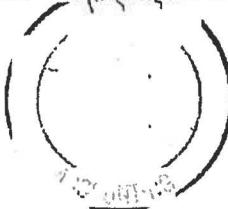
FISCAL YEAR	FUND CODE	BUD ACT	OFC	DIV REG	SUB	MBO	REVIOUS GRANT AWARD AMOUNT	\$ 13,838,973 00
							10 DEOBILIGATION AMOUNT	\$
							11 ADJUSTED AWARD AMOUNT	\$ 13,838,973 00

**13 CHANGE GRANT PERIOD**FROM 8/1/09-11/30/12TO 6/1/09-3/31/13

- 14** This Grant Adjustment No  
complete homeland securi  
facilitate the drawdown of  
prohibited from obligating expending or drawing do n

as stated above. The grantee requires addtional time to start and  
submit all financial status reports and project progress reports to  
the final extens on granted for this award and the grantee will be  
naining unallocated funds

This is the final extension. No further extensions will be made for this award.



RE  
NOV -5 2012  
CUNY L DESK  
GMD

**16 SIGNATURE OF AUTHORIZED OFFICIAL**

Document and line item(s) verified.

IFMIS Obligation - Modify

(C) DSG, Inc.

Doc

Obligation ID: 2009RAT9K016

Type: GRANT

Status: OPEN

CCR Exempt: ▼

Vendor: 362164842

CHICAGO TRANSIT AUTHORITY

Amendment ID: 0000 Effective

Performance Dates

Expiration

Date: 06/01/09 Date: 06/01/09 From: 06/01/09 To: 03/31/13 Date: 03/31/13

Prompt Pay Terms: 00 Disc Rate 0.000 Days 0 Net 0

	New	Previous	Available Balance
Amount:	\$0.00	\$10,335,302.34	\$10,335,302.34
Freight:	\$0.00	\$0.00	\$0.00
Total :	\$0.00	\$10,335,302.34	\$10,335,302.34

Comment:

Transaction Date: 11/05/12 Accounting Period: 2 Transfer Fund: □ □

F2 COMM F3 VER F4 REVHLD F5 ADDR F6 SAVE F7 ACCS F8 HOLD F9 EXIT

11/5/2012 CPHP011

# **Chicago Police Department FY09 Transit Security Grant Program**

## **CTA's Regional Transit Terrorism Prevention and Response System (T-CLEAR)**

**Revised: September 12, 2012**

*Under the FY09 Transit Security Grant Program, the Chicago Transit Authority (CTA) is the grant applicant. The Chicago Police Department, as primary security provider, is a sub-grantee providing a contracted service in the form of operational packages (OPacks) and other anti-terrorism capabilities.*

**Explanation:** This budget revision is being submitted 1) to align CPD's transit-dedicated non-video Information Technology infrastructure with the City of Chicago's thrust for enterprise-wide IT standards; and 2) to provide more robust support to previously approved enhancements to Transit-CLEAR functions.

The City of Chicago is migrating enterprise Information Technology functions to a "private cloud" environment and standardizing on Oracle's Exadata and Exalytics platforms. This new database computing strategy resulted from a city-wide technology assessment that concluded in the Summer of 2012; and identified a roadmap towards improving Chicago's technical capabilities that ensured best-in-class reliability, scalability, redundancy, and efficiency across city agencies. Because of its extensive IT infrastructure that encompassed all facets of public safety including transit security, CPD actively participated in the process; and embraces this resulting technology direction which will result in greatly improved computing capabilities.

CPD's proposed modifications will allow cloud computing strategies to be implemented for transit security-related enhancements to CLEAR, providing better overall functionality when compared to the approach reflected in the budget from April, 2012. The new architecture as proposed will allow CPD to better fulfill its transit security function to CTA by leveraging more robust hardware and software that enable faster processing and analytics; and will support the rapid development of even more powerful dashboard functionalities based on the Oracle Business Intelligence software and hardware platform requested under this revision.

Transit-specific dashboards developed through grant support will allow transit-related security and crime information to be mapped and tracked. Real-time bus coordinate data supplied through a CTA GPS data link will allow calls for service near busses to be identified and alerts issued. Adequate development funding remains available to develop these enhancements to be delivered via the Oracle hardware and software platform requested through these modifications.

As a result of the new City-wide IT strategy, CPD proposes:

- a. In the “*Equipment*” category, **Non-Video Data Warehouse Hardware** line – 1) remove costs for SAN hardware and Oracle licenses; and 2) add Exalytics Server @ \$130,582 and Exadata Server @ \$546,705. The cost for this line will remain at \$677,287.
- b. In the “*Consultants/Contracts*” category, **Developing T-CLEAR Enhancements** line – 1) reduce the cost for application development and system integration to \$424,960; and 2) add software, licensing and support costs @ \$610,880. Total cost for this line does not change @ \$1,035,840.

A brief overview of the requested changes:

<b>Personnel:</b>	not applicable
<b>Fringe:</b>	not applicable
<b>Equipment</b>	no change at \$2,911,335
<b>Supplies:</b>	not applicable
<b>Contracts/Consultants:</b>	no change at \$2,090,102
<b>Other costs:</b>	not applicable

## Revised Budget Narrative

**A. Personnel.** List each position by title and name of employee, if available. Show the annual salary rate and the percentage of time to be devoted to the project. Compensation paid for employees engaged in grant activities must be consistent with that paid for similar work within the applicant organization.

<u>Name/Position</u>	<u>Computation</u>	<u>Cost</u>
	Not applicable	
<b>TOTAL: \$0</b>		

**B. Fringe Benefits.** Fringe benefits should be based on actual known costs or an established formula. Fringe benefits are for the personnel listed in budget category (A) and only for the percentage of time devoted to the project. Fringe benefits on overtime hours are limited to FICA, Workman’s Compensation, and Unemployment Compensation.

Not applicable	
<b>TOTAL: \$0</b>	

**C. Travel.** Itemize travel expenses of project personnel by purpose (e.g., staff to training, field interviews, advisory group meeting, etc.). Show the basis of computation (e.g., six people to 3-day training at \$X airfare, \$X lodging, \$X subsistence). In training projects, travel and meals for

trainees should be listed separately. Show the number of trainees and unit costs involved. Identify the location of travel, if known. Indicate source of Travel Policies applied, Applicant or Federal Travel Regulations.

<u>Purpose of Travel</u>	<u>Location</u>	<u>Item</u>	<u>Computation</u>	<u>Cost</u>
			Not applicable	
<b>TOTAL: \$0</b>				

**D. Equipment.** List non-expendable items that are to be purchased. Non-expendable equipment is tangible property having a useful life of more than two years. (Note: Organization's own capitalization policy and threshold amount for classification of equipment may be used). Expendable items should be included either in the "Supplies" category or in the "Other" category. Applicants should analyze the cost benefits of purchasing versus leasing equipment, especially high cost items and those subject to rapid technical advances. Rented or leased equipment costs should be listed in the "Contractual" category. Explain how the equipment is necessary for the success of the project. Attach a narrative describing the procurement method to be used.

<u>Item</u>	<u>Computation</u>	<u>Cost</u>
-------------	--------------------	-------------

Constantly pushing the envelope in the application of technological solutions to layered anti-terrorism initiatives for transit security, CPD will purchase the following equipment in order to implement the components of the project:

- Video processing and video storage hardware @ \$2,019,546
- Video processing and malware protection licenses @ \$138,740
- Non-video Data Warehouse hardware @ \$677,287
- Network & security upgrades @ \$65,762
- Related data center infrastructure hardware @ \$10,000

**Budget Narrative:** Provide a narrative budget justification for each of the budget items identified.

#### **1. Video processing and storage hardware @ \$2,019,546**

- a. *High-end video processing servers.* CPD will install and implement a high end server cluster dedicated to process video feeds from thousands of transit cameras. These servers will be specially configured to process video analytics and facial recognition. Because of the high processing demands, there will be multiple servers configured for distributed processing, which is necessary to allow for real-time analysis of simultaneous high quality video streams. These server clusters will also support the Facial Capture and Matching System component of this project by comparing people from various angles in the video streams to an existing database of

three-dimensional faces stored in our enterprise database for a high confidence identity match. The number of servers assigned to a task can be increased or decreased based on the anticipated load. The system will also provide support for redundancy, automatic failover and rapid reconfiguration of the server cluster. Total estimated cost for these servers @ \$232,206.

- b. *Storage Area Network (SAN) video storage servers and related hardware.* This scalable architecture will consist of the following:
  - i. 345 300-gigabyte (GB) fibre channel hard drives with 4-gigabyte throughput running at 15,000 RPM and providing a total of 103 terabytes (TB) of raw storage capacity. The cost to implement this amount of storage for video feeds from several thousand transit cameras is estimated @ \$1,255,340.
  - ii. 2 Storage Area Network (SAN) fabric switches with 32 active ports each; 14 5-meter LC-LC fibre channel cables; 10 4-gigabyte host bus adapters. These switches will allow CPD to attach and/or configure multiple high availability servers (HAS) to the storage area network (SAN). The 4GB switches will provide each server with redundant connections to the SAN, to protect against connection failures. The paths will also allow for load balancing. The 4GB switches are backward compatible to previous 2GB and 1GB environments. The host bus adapters are server controllers that will manage storage connectivity to the storage pool. Total cost for the switches and related equipment is estimated @ \$440,000.

The total cost for the video SAN infrastructure is estimated @ \$1,695,340.

- c. *Video NetBackup environment* @ \$92,000
2. **Video processing and malware protection licenses @ \$138,740**

- a. *Video processing software licenses.* The video processing software will support very sophisticated analytical functions such as object left behind, person loitering, and abandoned vehicle tracking. It will support multiple concurrent video streams in order to maximize coverage, with each stream capable of being independently configured. Once a face has been captured through a video stream, it will be processed against the existing database of known facial images. This software will efficiently and in real-time compare the face to the set of faces in the data structure. It is expected that the software will provide the following functionalities:
  - Intrusion Detection
  - Object Left Behind
  - Loitering
  - Face Search
  - Face Detection

- Face Capture and Match

Total cost for software licenses is estimated @ \$101,240

- b. *Anti-virus protection software licenses* @ \$37,500

3. **Non-video Data Warehouse hardware.** The non-video data warehouse secures the Facility Information Management System (FIMS) and other aggregated text and file-based data and is the data engine and storage to support transit security-related analysis activities. The new configuration will be consistent to the City of Chicago's enterprise architecture plans that will migrate platforms to Oracle Exalytics and Exadata. This system will consist of enterprise-level servers configured with adequate memory, storage, and processing capacity. Total cost for the data warehouse hardware is estimated @ **\$677,287**.
  - a. Exalytics Server @ \$130,582
  - b. Exadata Server @ \$546,705
4. **Network and security upgrades.** The upgraded network equipment will allow for multiple video streams via VPN connections from the CTA and regional transit partners. Transit agencies in the Chicago region will establish a secure network connection to the CPD which will allow them to stream their video feeds over that connection. The stream will be directed to the Video Analytics Engine for processing and notifications. This architecture can be scaled to the number of streams anticipated from transit agencies. The total cost for this network upgrade and expansion is estimated @ **\$65,762**.
5. **Related Data Center infrastructure hardware.** This group of equipment includes various racks, cables, power supply and other items required to setup the proposed transit-dedicated architecture in the CPD Data Center. Total cost for the data center infrastructure equipment is estimated at **\$10,000**.

**TOTAL:** \$2,911,335 (was \$2,986,335)

**E. Supplies.** List items by type (office supplies, postage, training materials, copying paper, and other expendable items such as books, hand held tape recorders) and show the basis for computation. (Note: Organization's own capitalization policy and threshold amount for classification of supplies may be used). Generally, supplies include any materials that are expendable or consumed during the course of the project.

<u>Supply Items</u>	<u>Computation</u>	<u>Cost</u>
---------------------	--------------------	-------------

Not applicable

**TOTAL:** \$0

**F. Consultants/Contracts.** Indicate whether applicant's formal, written Procurement Policy or the Federal Acquisition Regulations are followed.

**Consultant Fees:** For each consultant enter the name, if known, service to be provided, hourly or daily fee (8-hour day), and estimated time on the project.

<u>Name of Consultant</u>	<u>Service Provided</u>	<u>Computation</u>	<u>Cost</u>
Not applicable			

**Budget Narrative:** Provide a narrative budget justification for each of the budget items identified.

**Consultant Expenses:** List all expenses to be paid from the grant to the individual consultant in addition to their fees (i.e., travel, meals, lodging, etc.)

<u>Item</u>	<u>Location</u>	<u>Computation</u>	<u>Cost</u>
	Not applicable		

**Budget Narrative:** Provide a narrative budget justification for each of the budget items identified.

**Subtotal:** \$0

**Contracts:** Provide a description of the product or services to be procured by contract and an estimate of the cost. Applicants are encouraged to promote free and open competition in awarding contracts. A separate justification must be provided for sole source contracts in excess of \$100,000.

### Item

1. **Project management services.** CPD will contract with the Public Building Commission (PBC) of Chicago for project management services. This contract is a necessary addition to compensate for the reduction of available personnel at CPD who are qualified to fulfill project management roles for complex technology-centered initiatives. This reduction is caused by continuing unit consolidations and personnel attrition. This contract will ensure that engaged project resources accomplish project milestones and goals in a timely manner. CPD estimates that this project will require approximately 2,000 hours of project management services from the PBC @ \$97/hour = **\$194,000**.

#### **Tentative Timeline: February 2011 to September 2012**

- Planning February 2011 to October 2011
  - Design October 2011 to May 2012

▪ Installation	May 2012 to August 2012
▪ System Commissioning	August 2012 to September 2012
▪ Close-Out	August 2012 to September 2012

2. **Developing T-Clear enhancements.** CPD will contract for software licensing, applications development and systems integrations services for the T-CLEAR Enhancement component of this project. This will establish a robust analytic architecture for transit security operations. Specifically, the solution provides security integrated mapping and location mapping technologies; proactive alerting and notifications; analytic search; dashboards and ad hoc capabilities to transit security personnel and operations.
- CPD estimates the business intelligence software, licensing and support costs for a robust transit security platform and functionality to be \$610,880.
  - Code development for T-CLEAR will require four (4) project resources devoting at least 40 development hours per week for sixteen (16) weeks. At an average hourly rate of \$166.00 (the current market rate in Chicago for similar services), the estimated cost for 2,560 hours of code development and system integration is \$\$424,960.

Cost for developing transit-dedicated CLEAR functionality remains @ **\$1,035,840.**

3. **Video analytics programming services.** Video analytics and face capture software provide standard capabilities within their software systems. These standard features and functions will form the foundation for T-CLEAR video analytics and face recognition system. In addition to these basic functions, there will be a need to integrate the software into existing CLEAR applications and to develop customizations of unique framing objects distinctive to the Chicago transit environment. These additional video analytics functionalities will require customized development resources. As a component of Chicago's transit security early warning system, CPD will need to seamlessly integrate the software into the CLEAR platform so proper notifications of certain events are communicated to appropriate authorized personnel. At the most basic level, this will include notifications to the following:

- CPD's Fusion Center (the Crime Prevention and Information Center)
- Information hand-off to the FIMS system
- Notifications to CTA and regional transit agencies, e.g. METRA, AMTRAK, PACE

CPD estimates that customizing the video analytics software to be consistent with CPD and partner transit agency reporting requirements will involve approximately 1,400 hours of code development and system integration services for a total cost of **\$232,400.**

4. **Two 100-megabit core regional hub connections.** These 100-megabit connections will have two hubs: one located at CTA and the other at CPD. Depending on the demand, these high speed links will allow CTA and the regional transit partners to stream additional real-time high quality video feeds into the CPD video analytics engine for processing and

notification. The link will also act as backup to the primary fiber path. The cost for these two connections is estimated at **\$627,862**.

**TOTAL: \$2,090,102** (was \$2,015,102)

**G. Other Costs.** List items (e.g., rent, reproduction, telephone, janitorial or security services, and investigative or confidential funds) by major type and the basis of the computation. For example, provide the square footage and the cost per square foot for rent, and provide a monthly rental cost and how many months to rent.

<u>Description</u>	<u>Computation</u>	<u>Cost</u>
Not applicable		

**Budget Narrative:** Provide a narrative budget justification for each of the budget items identified.

**TOTAL: \$0**

**H. Indirect Costs.** Indirect costs are allowed only if the applicant has a Federally approved indirect cost rate. A copy of the rate approval, (a fully executed, negotiated agreement), must be attached. If the applicant does not have an approved rate, one can be requested by contacting the applicant's cognizant Federal agency, which will review all documentation and approve a rate for the applicant organization, or if the applicant's accounting system permits, costs may be allocated in the direct costs categories.

<u>Description</u>	<u>Computation</u>	<u>Cost</u>
Not applicable		

**TOTAL: \$0**

## Budget Summary

When you have completed the budget worksheet, transfer the totals for each category to the spaces below. Compute the total direct costs and the total project costs. Indicate the amount of Federal funds requested and the amount of non-Federal funds that will support the project.

Budget Category	Amount
A. Personnel	\$0
B. Fringe Benefits	\$0
C. Travel	\$0
D. Equipment	<u>\$2,911,335</u>
E. Supplies	\$0
F. Consultants/Contracts	<u>\$2,090,102</u>
G. Other	\$0
Total Direct Costs	<u><b>\$5,001,437</b></u>
H. Indirect Costs	\$0
<b>TOTAL PROJECT COSTS</b>	<u><b>\$5,001,437</b></u>