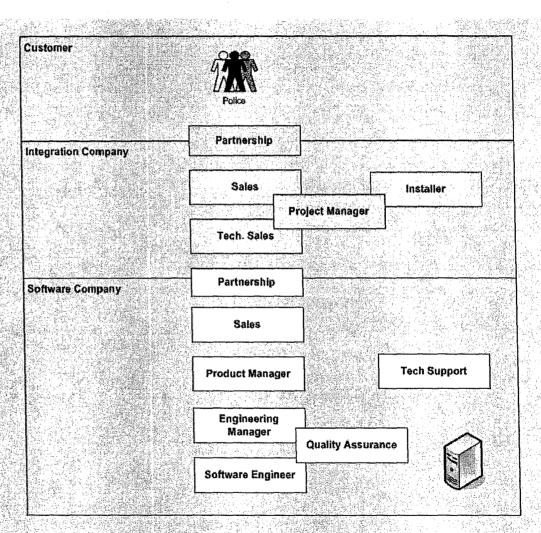
Engineering Approach

SpringetDistaction

- Detect through the mage ators
- Bedjæ ob arliv@ectors
- · Retali Softwarev Company
- Long product cycles
 Not project driven
- Offshore development



Expanding the System

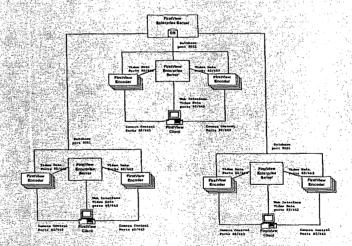
New Feature Development

- Use the best of existing technology
- Create an expandable platform
- Constantly refine the platform based on real customer feedback









Server Collective for Expansion

A Distribution of Servers

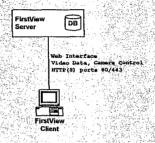
- Can be a single server or multiple
- WMATA has ~60 servers

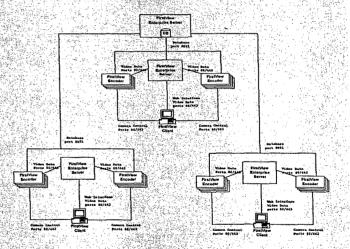
Centralized Authentication

Currently backed by DB

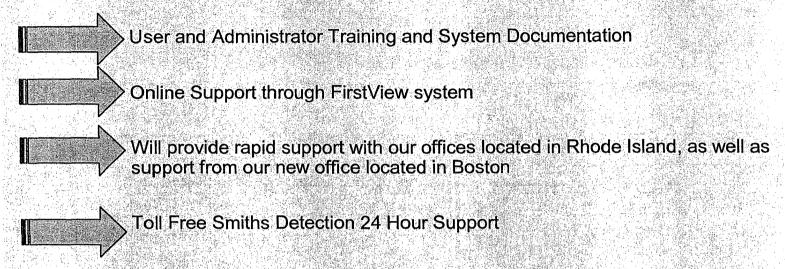
Database as Resource Registry

- Registers Server and the 'Units'
- Currently also Unit Configuration
- Image and Recordings are Indexed in DB Data is stored locally





Service & Support



Level 1: Support Engineer phone support

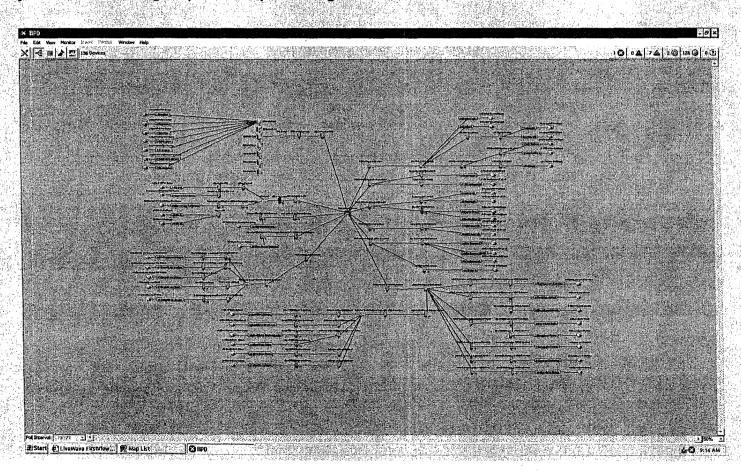
Level 2: Support Engineer provides service through network access

Level 3: Support Engineers escalates to field engineer

Level 4: Program Manager contacted to coordinate on-site support

Service & Support

- Real-time system monitoring will be available to the Customer and Smiths Detection
- System monitoring capable of providing visual, email, and mobile alerts to users



Summary

- Experienced Team Providing Best of Breed Technologies
- Offering Fully Integrated Security Solutions that are:

INTEROPERABLE

- Web enabled no proprietary software required to view the system
- Configurable hierarchy of users, roles & permissions for interoperability

SCALABLE

- Entirely IP-based networked system
- Distributed server architecture for maximum flexibility and scalability

SECURE

- Secure local or remote management of all assets
- SSL with AES encryption up to 256 bit
- System Training Courses
- Comprehensive Maintenance and Support Packages

PRICE PROPOSAL SHEET

Complete all pages of this document in ink. An authorized representative of the Proposer must sign this form in ink.

- Having carefully examined the Contract Doc uments entitled Critical Infrastructure
 Monitoring System Project, the undersigned offers to furnish all the labor, material and
 other services necessary to provide the Goods and Services required by and in strict
 accordance with these Documents and the implied intent thereof, for the rates (price)
 listed on the following pages.
- 2. Taxes: This proposal does not include State of Massachusetts or local sales tax.
- 3. Withdrawal: This proposal will not be withdrawn within ninety (90) days after the actual date of the opening thereof.
- 4. Proposer agrees, if this proposal is accepted, to enter into a Contract with the City in the form of the Contract contained in the RFP Docum ents and to begin the work ten (10) days after date of notice of award.

DATED this25	th day of	APRIL,	20 <u>07</u> .
PROPOSER:	Smiths Dete	ction - Live Wa	ve
BY:	2	Pet	er Mother
	(Signature)	(Print Name of Signer)
PRINT NAME:	Smiths Det	ection - Live Wave	,
ADDRESS:		, 88 Silva Lane	,
	Middletoun 1	<u> </u>	/
PHONE (401)	848-7678	Zip C	Code: 02847
FAX number (if ava	ilable): (401) g	16-1077_	

PRICE PROPOSAL SHEET

- 1. Detailed cost breakdown information with this proposal shall include unit pricing and extensions. In case of discrepancy between the two, the unit price(s) shall govern.
- 2. Unit price(s) shall include freight and delivery. Freight/delivery shall not be an "add-on" cost.
- 3. Prices shall not include State of Massachusetts sales or local retail tax.
- 4. Payment Terms: Prompt Payment Discount ___% ___ days (not less than 30 days); Net ___ days (not less than 30 days).
- 5. Total System Cost, which includes all design, equipment and services for a turnkey system that is fully operational, should be reflected in the table below.

23	item (- Gösts
^	Digital Video Recording System (DVRS)	
Α.	(attach detailed breakdown to proposal)	\$ 1,080 246.36
В.	Video Transmission Equipment	
	(attach detailed bre akdown to proposal)	\$ N/A
C.	Wireless Local Area Network (WLAN)	
	(attach detailed bre akdown to proposal)	\$ 2,095,725.45
D.	Other Costs	÷
	(attach detailed breakdown to proposal)	\$ 166,025.00
		_
E.	Total System Cost (A through D above)	\$ 3,341,996.75 *

^{*}Use this amount to compute amount for Proposal Guarantee and Performance Bond/Letter of Credit.

Proposal Guarantee = Total System Cost X 5%

Performance Bond/Letter of Credit = Total System Cost X 100%

PRICE PROPOSAL SHEET

6. Option Pricing: The City reserves the right to exercise its option at its discretion for up to six (6) months after Award of Contract at the prices stated. See Section IV for more information on options.

		The second secon
#.	ltem	Cost
1	Priority Two Cameras: Furnish and install an additional 34 cameras and associated hardware, software, and design services in addition to that required for the baseline CIMS.	\$ 1,516,741.05
2	Priority Three Cameras: Furnish and install an additional 36 cameras and associated hardware, software, and design services in addition to that required for the baseline CIMS.	\$ <u>1,486,913.19</u>
3	Boston 30 Cameras: Furnish and install an additional 30 cameras and associated hardware, software, and design services in addition to that required for the baseline CIMS.	\$ <u>1,079,431,1/</u>
4	Additional Support: On-site for eight hours per month for 6 months for each of the Project's nine jurisdictions.	\$ 6,248.40
5	WLAN upgrade to Redundant T opology: create transmission path redundancy and increase transmission rate to 100Mbps.	\$ 426, 708.00
6	Hardware and Software Extended Service: Years 2, 3, 4 & 5 services past the initial year warranty. Each year may be individually optioned by the City at the price indicated.	Year 2: \$ 216, 934.57 Year 3: \$ 237, 195.06 Year 4: \$ 250, 375.36 Year 5: \$ 263, 555.65
7	WLAN System Admin: one-year hardware and software system administration for all nine jurisdictions within the CIMS project.	\$63,000.06

PRICE PROPOSAL SHEET

7. Unit Pricing: The City reserves the right to exercise its option at any time during the installation phase for the addition or deletion of materials at the below calculated costs:

	s liem.	Costs
	QTY 1 Camera - PTZ, with lens, mount, sun shield, fan, heater, UPS, encoder	\$ 2,490.80
4	QTY 1 Wireless Point-to-Point (P2P) Radio pair	\$
	QTY 1 Wireless Point-to-Multipoint (P2MP) Radio pair	\$N/A
	QTY 1 Network Data Switch	\$ 945.00
	QTY 1 Network Video Recorder (16 Channel)	\$ 13,900.91
	QTY 1 One TB of Video Storage compatible with NVR	\$N/A

4	Back bone	Licensed	Links
	UNLicensed	Links	

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bringing technology to life

Smiths Detection-LiveWave Tech Plaza IV 88 Silva Lane, Suite 250 Middletown, RI 02842 Tel: 401-848-7678 Fax: 401-846-7077

Security Sensitive Information - FOR OFFICIAL USE ONLY

Date: April 27:2007

To: Adam Wehrenberg
Company Mayor's Office of Emergency Preparedness
Address Boston City Hall Room 603
Address Boston , MA 02201
Tel (617) 590-9800
Email adam.wehrenberg@cityofboston.gov

Project

Critical Infrastructure Monitoring System (CIMS) 65 Cameras

	Live	Wave Video Mana	gement Systems		
Part #	Qty	item	Description	Rate	Total
				-	
3008.00	0 6	FV-ENT	Enterprise Management Server (1 per location)	\$6,253.45	37,520.70
4008.45	5 1	FV-NVR-8-4.5T	8 channel, network recorder, 2U rackmont, 4.5TB storage	\$10,980.91	10,980.91
4016.45	5 7	FV-NVR-16-4.5T	16 channel, network recorder, 2U rackmont, 4.5TB storage	\$13,900.81	97,305.64
7001.00	0 6	FV-CW\$	Client Workstation with Dual LCD Monitors	\$4,345.09	26,070.53
8001.00		FV-JS	Joystick with hardware/software drivers	\$900.30	
				Sub Total	
11:	: Cam	era Equipment	A CONTRACTOR OF THE STATE OF TH		
Part #	·Qty	ltem	Description	Rate	Total
Spectra	s 65		Bosch IP Camera	\$2,340.00	152,100.00
BB5-PCA-GY			Camera Mounting Hardware	\$143.00	9,295.00
	65		NEMA Enclosure	\$260.00	16,900.00
	65		UPS	\$150.80	9,802.00
			Shipping/handling included in all prices	4.00.20	-,
			THE PROPERTY OF THE PROPERTY O	Sub Total	\$ 188,097.00
111:	Wirel	ess Hardware			
Part #	Qty	ltem	Description	Rate	Total
			Backbone		
TBD	22		DragonWave Airpair 50	\$21,093.80	\$ 464,063.60
TBD	22		Manual Reboot System	\$507.00	\$ 11,154.00
TBD	22		Radio Mount	\$845.00	\$ 18,590.00
TBD	22		Grounding	\$540.80	\$ 11,897.60
TBD	22		Rack Mount	\$676.00	\$ 14,872.00
TBD	22		UPS Power Supply	\$3,172.00	\$ 69,784.00
TBD	22		Switch	\$845.00	
TBD	7		Router	\$4,758.00	
TBD	22		Miscellaneous	\$676,00	
, 00			Site Devices Pole Mount	ψ0,0,00	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
TBD	35		Gemini Lite or similar (TBD on Site Survey)	\$4,282.20	\$ 149,877,00
TBD	35		Electrical hardware	\$44.20	
TBD	35		Miscellaneous	\$253.50	
IDU	33		Site Devices Roof Mount	Ψ200.00	ψ 0,07 2 .00
TBD	20		Gemini Lite or similar (TBD on Site Survey)	\$4,282.20	\$ 85,644.00
	20			\$845.00	
TBD	20		Radio Mount	\$280.80	
TBD			Grounding		
TBD	20		Electrical hardware	\$1,014.00	
TBD	20		Miscellaneous	\$263.90	\$ 5,278.00
			Site to Hub Devices	64 000 00	e 225 524 00
TBD	55		Gemini Lite or similar (TBD on Site Survey)	\$4,282.20	
TBD	15		Manual Reboot System	\$507.00	\$507.00
TBD	23		Radio Mount	\$845.00	\$845.00
TBD	23		Grounding	\$280.80	\$280.80
TBD	55		Lighting arrester	\$175.50	\$175.50
TBD	23		Rack Mont, Conduit and Power	\$1,267.50	\$1,267.50
TBD	55	1	Miscellaneous	\$263.90	\$263.90
diversion and a second diversion of the second diversi			· · · · · · · · · · · · · · · · · · ·		\$ 1,190,004.40
			and the second s		T-4-1
Part #	Qty	item	Description	Rate	Total
***	_		N // OD D'1 /40/46W	60 400 00	10 720 00
TBD	6	F	Plasma/LCD Display (42/46")	\$3,120.00	18,720.00
INTMP	9		ntermapper SNMP Diagnostic Software w/remote access	\$1,950.00	17,550.00
Samsung	6		Extra 20" monitor per site	\$323.70	1,942.20
TBD	6		Display mount	357.50	2,145.00
APC	8 ·	F	Rackmount UPS	1,950.00	15,600.00
				Sub Total	\$ 55,957.20

V: Engineering, Integra	ition & Installation		
Part # Qty Item	Description	Rate	Total
	SD-LiveWave Services		
9001.00 540 LW-PM	Project Management (per hour)	107.05	57,807.00
9001.00 110 LW-INT	Installation (per hour)	107.05	11,775.50
9001.00 120 LW-TRNG	Training (per hour)	107.05	12,846.00
9002.00 400 LW-ENG	Engineering & Integration (per hour)	158.44	63,376.00
9003.00 540 LW-DEV	System Configuration	107.05	57,807.00
	General Contractor Site Installation		
1	StoneCrop Technologies	\$442,975.00	442,975.00
	Pole Mount Labor Detail		
	Senior Network Engineer	\$253.50	
130 ~	Project Manager, Mobilization	\$256.10	33,293.00
130	Wireless Technician, Mobilization	\$169.00	21,970.00
130	Project Manager, On Site	\$256.10	33,293.00
234	Wireless Technicians, On Site	\$169.00	39,546.00
116	Electrician, On Site	\$136.50	15,834.00
156	Police Detail, On Site	\$65.00	10,140.00
40	Network Monitor Technician	\$117.00	4,680.00
	Roof Mount Labor Detail	ψ111.00	4,000.00
56	Senior Network Engineer	\$253.50	14,196.00
160	Project Manager, Mobilization	\$256.10	40,976.00
160	Wireless Technician, Mobilization	\$169.00	27,040.00
78	Project Manager, On Site	\$256.10	19,975.80
208	Wireless Technicians, On Site	\$169.00	35,152.00
52	Tower Climbers, On Site	\$162.50	8,450.00
78	Electrician, On Site	\$136.50	10,647.00
13	Network Monitor Technician	\$117.00	1,521.00
.0	Backbone Labor Detail	Ψ117.00	1,52 1.00
132	Senior Network Engineer	\$253.50	33,462.00
176	Project Manager, Mobilization	\$256.10	45,073,60
154	Wireless Technician, Mobilization	\$169.00	26,026.00
44	Project Manager, On Site	\$256,10	11,268.40
352	Wireless Technicians, On Site	\$169.00	59,488.00
66	Tower Climbers, On Site	\$162.50	10,725.00
836	Electrician, On Site	\$102.50 \$136.50	114,114.00
88	Network Monitor Technician	\$117.00	10,296.00
66	Hub Labor Detail	\$117,00	10,250.00
65	Senior Network Engineer	\$253,50	16,477.50
32.5	Project Manager, Mobilization	\$255.50 \$256.10	8,323.25
130	Wireless Technician, Mobilization	\$169.00	21,970.00
260	Project Manager, On Site	\$256.10	66,586.00
. 650	Wireless Technicians, On Site	\$169:00	109,850.00
130	Tower Climbers, On Site	\$162.50	21,125.00
195			26,617.50
65	Electrician, On Site Network Monitor Technician	\$136.50 \$117.00	7,605.00
00		. p117.00	7,000,00
1	TRC	\$166,025.00	166,025.00
Travel Allowanc	Δ.	₩ 100,020.00	100,020.00
56 Per diem	<u>×</u>	46.00	2,576.00
150 Mileage		65.00	9,750.00
Minougo			1,730,658.55
	Totals		<u> </u>

LiveWave Video Management Systems	\$	177,279.60
Camera Equipment	\$	188,097.00
Wireless Hardware	\$	1,190,004.40
Additional Equipment	\$	55,957.20
Engineering, Integration & Installation	\$	1,730,658.55
Total	S	3.341.996.75

Notes:

Prices do not include state sales tax, miscellaneous fees or import/export duties of any kind.

Payment terms are Net 30 days unless otherwise indicated.

Smiths Detection reserves the right to modify any terms and/or conditions stated in the above quotation.

Documentation of tax-exempt status is required.

State sales tax will be charged unless said documentation is provided.

Quote subject to Smiths Detection-LiveWave Terms & Conditions

Prepared By: Doug Tuthill Director of Operations

Director of Operations
Smiths Detection-LiveWave
401.932_5045
Email: doug.tuthili@smithsdetection.com
Web Address: www.smithsdetection-livewave.com

bringing technology to life

Smiths Detection-LiveWave

Tech Plaza IV 88 Silva Lane, Suite 250

Middletown, RI 02842 Tel: 401-848-7678

Fax: 401-846-7077

Security Sensitive Information - FOR OFFICIAL USE ONLY

Date: April 27,2887 Quote: MOEP34

To: Adam Wehrenberg
Company Mayor's Office of Emergency Preparedness
Address Boston City Hall Room 603
Address Boston , MA 02201
Tel (617) 590-9800

Email adam.wehrenberg@cityofboston.gov

Project
Critical Infrastructure Monitoring System (CIMS)
Option 1 Priority Group 2
34 Cameras

	1-1110	ii audiii.weiii eiibe	arg(@CityOiDOstOff,gDV		
	: Live	Wave Video Man	agement Systems		
Part #	Qty		Description Description	Rate	Total
			:		
4008.45	5 8	FV-NVR-8-4.5T	8 channel, network recorder, 2U rackmont, 4.5TB storage	\$10,980.91	87,847.25
_				Sub Total \$	87,847.25
Part #	Qty	Item	Description	Rate	Total
Spectra			Bosch IP Camera	\$2,340.00	79,560.00
BB5-PCA-GY			Camera Mounting Hardware	\$143.00	4,862.00
	34		NEMA Enclosure	\$260.00	8,840.00
	34		UPS	\$150.80	5,127.20
			Shipping/handling included in all prices	Sub Total \$	98,389.20
10.	Wiles	lace Hardware			
Part #	Qty	item	Description	Rate	Total
	<u> </u>		Backbone	11010	
TBD	1		DragonWave Airpair 50	\$21,093.80 \$	21,093.80
TBD	1		Manual Reboot System	\$507.00 \$	507.00
TBD	1		Radio Mount	\$845.00 \$	845.00
TBD	1		Grounding	\$540.80 \$	540.80
TBD	1		Rack Mount	\$676.00 \$	676.00
TBD	1		UPS Power Supply	\$3,172.00 \$	3,172.00
TBD	1		Switch	\$845.00 \$	845.00
TBD	1		Router	\$4,758.00 \$	4,758.00
TBD	1		Miscellaneous	\$676.00 \$	676.00
			Site Devices Pole Mount		
TBD	21		Gemini Lite or similar (TBD on Site Survey)	\$4,282.20 \$	89,926.20
TBD	21		Electrical hardware	\$44.20 \$	928.20
TBD	21		Miscellaneous	\$253.50 \$	5,323.50
TDD	40		Site Devices Roof Mount	64 000 00 A	40.000.00
TBD	10		Gemini Lite or similar (TBD on Site Survey)	\$4,282.20 \$	42,822.00
TBD	10		Radio Mount	\$845.00 \$	8,450.00
TBD	10		Grounding	\$280.80 \$	2,808.00 10,140.00
TBD TBD	10 10		Electrical hardware Miscellaneous	\$1,014.00 \$ \$263.90 \$	2,639.00
טפו	10		Site to Hub Devices	\$203.90 \$	2,039.00
TBD	31		Gemini Lite or similar (TBD on Site Survey)	\$4,282.20 \$	132,748.20
TBD	8		Manual Reboot System	\$507.00 \$	4,056.00
TBD	12		Radio Mount	\$845.00 \$	10,140.00
TBD	12		Grounding	\$280.80 \$	3,369.60
TBD	31		Lighting arrester	\$175.50 \$	5,440.50
TBD	12		Rack Mont, Conduit and Power	\$1,267.50 \$	15,210.00
TBD	31		Miscellaneous	\$263.90 \$	8,180.90
				Sub Total \$	375,295.70
IV: A	Additi	onal Equipment	and the second of the second o		
	Qty	ltem	Description	Rate	Total
APC	^		Destructed IDO	1,950.00	15,600.00
APC	8		Rackmount UPS	Sub Total \$	15,600.00
	naire	ering Integratio	n & Installation		
	Qtv	item	Description	Rate	Total
			SD-LiveWave Services		
9001.00	E40 I	W-DM	Project Management (per hour)	107.05	57,807.00
9001.00			Installation (per hour)	107.05	12,846.00
9001.00			Training (per hour)	107.05	12,846.00
9002.00			Engineering & Integration (per hour)	158.44	64,960.40
9003.00			System Configuration	107.05	57,807.00
2000.00	O-O L		Cyptom Comiguration	, , , , , ,	,

_	General Contractor Site Installation		
1		\$231,710.00	231,710.00
	StoneCrop Technologies		
	Pole Mount Labor Detail		
21	Senior Network Engineer	\$253.50	5,323.50
63	Project Manager, Mobilization	\$256.10	16,134.30
63	Wireless Technician, Mobilization	\$169.00	10,647.00
63	Project Manager, On Site	\$256.10	16,134.30
126	Wireless Technicians, On Site	\$169.00	21,294.00
60	Electrician, On Site	\$136.50	8,190.00
84	Police Detail, On Site	\$65.00	5,460.00
20	Network Monitor Technician	\$117.00	2,340.00
	Roof Mount Labor Detail		
26	Senior Network Engineer	\$253.50	6,591.00
39	Project Manager, Mobilization	\$256.10	9,987.90
39	Wireless Technician, Mobilization	\$169.00	6,591.00
48	Project Manager, On Site	\$256.10	12,292.80
104	Wireless Technicians, On Site	\$169,00	17,576.00
30	Tower Climbers, On Site	\$162.50	4,875.00
39	Electrician, On Site	\$136.50	5,323.50
11	Network Monitor Technician	\$117.00	1,287.00
	Backbone Labor Detail		.,
16	Senior Network Engineer	\$253.50	4,056.00
16	Project Manager, Mobilization	\$256.10	4,097.60
16	Wireless Technician, Mobilization	\$169.00	2,704.00
16	Project Manager, On Site	\$256.10	4,097.60
14	Wireless Technicians, On Site	\$169.00	2,366.00
16	Tower Climbers, On Site	\$162.50	2,600.00
24	Electrician, On Site	\$136.50	3,276.00
8	Network Monitor Technician	\$117.00	936.00
-	Hub Labor Detail	********	
68	Senior Network Engineer	\$253.50	17,238.00
24	Project Manager, Mobilization	\$256.10	6,146.40
68	Wireless Technician, Mobilization	\$169.00	11,492.00
136	Project Manager, On Site	\$256.10	34,829.60
340	Wireless Technicians. On Site	\$169.00	57,460.00
68	Tower Climbers, On Site	\$162.50	11,050.00
102	Electrician. On Site	\$136.50	13,923.00
68	Network Monitor Technician	\$117.00	7,956.00
00	TRC	Ψ111.00	7,000.00
1	1110	\$166,025.00	166,025.00
Travel Allow	ance	Ψ 100,020.00	130,020.00
12 Per diem	rance	46.00	552.00
12 Mileage		65.00	780.00
·- Willeage		Sub Total \$	939,608,90

LiveWave Video Management Systems	\$	87,847.25
Camera Equipment	\$	98,389.20
Wireless Hardware	\$	375,295.70
Additional Equipment	\$	15,600.00
Engineering, Integration & Installation	\$	939,608.90
Total	S	1.516.741.05
	\$0000 PORTOR	

Notes:
Prices do not include state sales tax, miscellaneous fees or import/export duties of any kind.

Payment terms are Net 30 days unless otherwise indicated.

Smiths Detection reserves the right to modify any terms and/or conditions stated in the above quotation.

Documentation of tax-exempt status is required.

State sales tax will be charged unless said documentation is provided.

Quote subject to Smiths Detection-LiveWave Terms & Conditions

Prepared By: Doug Tuthill Director of Operations

Smiths Detection-LiveWave

401.932,5045

Email: doug.tuthill@smithsdetection.com
Web Address: www.smithsdetection-livewave.com

bringing technology to life

Smiths Detection-LiveWave

Tech Plaza IV 88 Silva Lane, Suite 250

Middletown, RI 02842 Tel: 401-848-7678 Fax: 401-846-7077 Quote: MOEP36

Security Sensitive Information - FOR OFFICIAL USE ONLY
Date: April 27,2007

To: Adam Wehrenberg
Company Mayor's Office of Emergency Preparedness
Address
Boston City Hall Room 603
Address Boston , MA 02201
Tel (617) 590-9800
Email adam.wehrenberg@cityofboston.gov

Project
Critical Infrastructure Monitoring System (CIMS) Option 2 Priority Group 3

36 Cameras

	Emai	l adam.wehrenbe	rg@cityofboston.gov		
Part #	Qty	Nave Video Man Item	agement Systems Description	Rate	Total
Fart#	uty	item	Description	Kate	Total
4008.45	6	EV-NVR-8-4 5T	8 channel, network recorder, 2U rackmont, 4.5TB storage	\$10,980,91	65,885.44
4000.43	U	7 7 7777 0 4.01	o diamon, network recorder, 20 tackmoin, 4.0 to diorage	Sub Total \$	
10:	Cami	era Eguloment			
Part #	Qty	Item	Description	Rate	Total
Spectra	36		Bosch IP Camera	\$2,340.00	84.240.00
BB5-PCA-GY			Camera Mounting Hardware	\$143.00	5,148.00
	36		NEMA Enclosure	\$260.00	9,360.00
	36		UPS	\$150.80	5,428.80
			Shipping/handling included in all prices		
				Sub Total \$	104,176.80
					\$10000 miles
Part #	Qty	Item	Description Backbone	Rate	Total
TBD	1		DragonWave Airpair 50	\$21,093.80 \$	21,093.80
TBD	1		Manual Reboot System	\$507.00 \$	507.00
TBD	1		Radio Mount	\$845.00 \$	845.00
TBD	1		Grounding	\$540.80 \$	540.80
TBD	1		Rack Mount	\$676.00 \$	676.00
TBD	1		UPS Power Supply	\$3,172.00 \$	3,172.00
TBD	1		Switch	\$845.00 \$	845.00
TBD	1		Router	\$4,758.00 \$	4,758.00
TBD	1		Miscellaneous	\$676.00 \$	676.00
			Site Devices Pole Mount		
TBD	22		Gemini Lite or similar (TBD on Site Survey)	\$4,282.20 \$	94,208.40
TBD	22		Electrical hardware	\$44.20 \$	972.40
TBD	22		Miscellaneous	\$253.50 \$	5,577.00
TBD	8		Site Devices Roof Mount Gemini Lite or similar (TBD on Site Survey)	\$4,282,20 \$	34,257.60
TBD	8		Radio Mount	\$845.00 \$	6,760.00
TBD	8		Grounding	\$280.80 \$	2.246.40
TBD	8		Electrical hardware	\$1.014.00 \$	8.112.00
TBD	8		Miscellaneous	\$263.90 \$	2,111.20
			Site to Hub Devices		
TBD .	30		Gemini Lite or similar (TBD on Site Survey)	\$4,282.20 \$	128,466.00
BD	9		Manual Reboot System	\$507.00 \$	4,563.00
BD	13		Radio Mount	\$845.00 \$	10,985.00
BD .	13		Grounding	\$280.80 \$	3,650.40
	30		Lighting arrester	\$175.50 \$	5,265.00
BD BD	13 30		Rack Mont, Conduit and Power Miscellaneous	\$1,267.50 \$ \$263.90 \$	16,477.50 7,917.00
עם	30		Wiscenarieous	Sub Total \$	364,682.50
11/· A	ddilic	nal Fauloment			
	Qty	item	Description	Rate	Total
				•	•
APC	8		Rackmount UPS	1,950.00	15,600.00
				Sub Total \$	15,600.00
	ngine Stv		n & Installation	Rate	Total
		ltem	Description	IVare	, , , , , ,
	aty				
Part# (SD-LiveWave Services	407.05	F7 007 00
Part # 0	40 L		Project Management (per hour)	107.05	57,807.00
Part # 0	60 L	W-INT	Project Management (per hour) Installation (per hour)	107.05	17,128.00
Part # 0 9001.00 5 9001.00 1 9001.00 2	40 L 60 L	W-INT W-TRNG	Project Management (per hour) Installation (per hour) Training (per hour)	107.05 107.05	17,128.00 25,692.00
Part # 0	60 L 60 L 60 L	W-INT W-TRNG W-ENG	Project Management (per hour) Installation (per hour)	107.05	17,128.00

StoneCrop Technologies		General Contractor Site Installation		
Pole Mount Labor Detail Senior Network Engineer \$282.75 10,179.00	1		\$245,340.00	245,340.00
Senior Network Engineer \$282.75 10,179.00		StoneCrop Technologies		
Project Manager, Mobilization \$285.65 22,852.05 22,852.05 22,852.05 22,852.05 22,852.05 22,852.05 22,852.05 22,852.05 22,852.05 22,852.05 22,852.05 22,852.05 232 Wireless Technicians, On Site \$188.50 24,882.00		Pole Mount Labor Detail		
No. Wireless Technician, Mobilization \$188.50 15,080.00		Senior Network Engineer	\$282.75	10,179.00
Project Manager, On Site \$285.65 \$285.65 \$285.65 \$285.65 \$24,882.00 \$132 \$22,852.00 \$132 \$22,852.00 \$152.25 \$8.373.75 \$88 Police Detail, On Site \$72.50 \$6,380.00 \$11 Network Monitor Technician \$130.50 \$1,435.50 \$1,43	80	Project Manager, Mobilization	\$285.65	22,852.00
132 Wireless Technicians, On Site \$188.50 24,882.00 55		Wireless Technician, Mobilization	\$188.50	15,080.00
Electrician, On Site \$152.25 8,373.75		Project Manager, On Site	\$285,65	22,852.00
Electrician, On Site \$152.25 8,373.75	132	Wireless Technicians, On Site	\$188.50	24,882.00
Network Monitor Technician \$130.50 1,435.50	55	Electrician, On Site	\$152.25	
Roof Mount Labor Detail Senior Network Engineer \$282.75 3,958.50			\$72.50	6,380.00
14 Senior Network Engineer \$282.75 3,958.50	11	Network Monitor Technician	\$130,50	1,435.50
Project Manager, Mobilization \$285.65 \$11,997.30		Roof Mount Labor Detail		
Wireless Technician, Mobilization \$188.50 7,917.00	14	Senior Network Engineer	\$282.75	3,958.50
Wireless Technician, Mobilization \$188.50 7,917.00	42	Project Manager, Mobilization	\$285.65	11,997.30
Project Manager, On Site \$188.50 21,112.00	42	Wireless Technician, Mobilization	\$188.50	
112	42	Project Manager, On Site		
Tower Climbers, On Site	112	Wireless Technicians, On Site	\$188,50	
According to the content of the co	28		\$181,25	
7 Network Monitor Technician Backbone Labor Detail \$130.50 913.50 10 Senior Network Engineer \$282.75 2,827.50 8 Project Manager, Mobilization \$285.65 2,285.20 6 Wireless Technician, Mobilization \$188.50 1,131.00 1 Project Manager, On Site \$285.65 285.65 10 Wireless Technicians, On Site \$188.50 1,885.00 1 Tower Climbers, On Site \$181.25 181.25 20 Electrician, On Site \$182.25 3,045.00 8 Network Monitor Technician \$130.50 1,044.00 Hub Labor Detail \$282.75 12,723.75 48 Project Manager, Mobilization \$285.65 13,711.20 80 Wireless Technician, Mobilization \$188.50 15,080.00 156 Project Manager, On Site \$285.65 44,561.40 360 Wireless Technicians, On Site \$188.50 67,860.00 87 Tower Climbers, On Site \$182.25 18,270.00 80 <t< td=""><td>42</td><td>Electrician, On Site</td><td>\$152.25</td><td></td></t<>	42	Electrician, On Site	\$152.25	
Senior Network Engineer \$282.75 2,827.50	7	Network Monitor Technician		
8 Project Manager, Mobilization \$225.65 2,285.20 6 Wireless Technician, Mobilization \$188.50 1,131.00 1 Project Manager, On Site \$285.65 285.65 10 Wireless Technicians, On Site \$188.50 1,885.00 1 Tower Climbers, On Site \$181.25 181.25 20 Electrician, On Site \$152.25 3,045.00 8 Network Monitor Technician \$130.50 1,044.00 Hub Labor Detail Wireless Technician \$282.75 12,723.75 48 Project Manager, Mobilization \$285.65 13,711.20 80 Wireless Technician, Mobilization \$188.50 15,080.00 156 Project Manager, On Site \$285.65 44,561.40 360 Wireless Technicians, On Site \$188.50 67,860.00 87 Tower Climbers, On Site \$181.25 15,768.75 120 Electrician, On Site \$181.25 18,770.00 80 Network Monitor Technician \$130.50 81,925.00 Travel Allowance 12 Per diem 46.00 </td <td></td> <td>Backbone Labor Detail</td> <td></td> <td></td>		Backbone Labor Detail		
6 Wireless Technician, Mobilization 1 Project Manager, On Site 285.65 10 Wireless Technicians, On Site 1 Tower Climbers, On Site 20 Electrician, On Site 3 181.25 3 045.00 8 Network Monitor Technician Hub Labor Detail 45 Senior Network Engineer 45 Senior Network Engineer 48 Project Manager, Mobilization 80 Wireless Technician, Mobilization 156 Project Manager, Mobilization 156 Project Manager, On Site 3285.65 13,711.20 80 Wireless Technician, Mobilization 156 Project Manager, On Site 3285.65 13,711.20 80 Wireless Technician, Son Site 3188.50 15,080.00 150 Wireless Technicians, On Site 3188.50 15,080.00 87 Tower Climbers, On Site 3181.25 15,768.75 120 Electrician, On Site 3182.50 8182.50 8182.50 8182.50 8182.50 8182.50 81,925.00 81,925.00 82 Per diem 46.00 552.00 82 Mileage	10	Senior Network Engineer	\$282,75	2,827.50
6 Wireless Technician, Mobilization \$188.50 1,131.00 1 Project Manager, On Site \$285.65 285.65 10 Wireless Technicians, On Site \$188.50 1,885.00 1 Tower Climbers, On Site \$181.25 181.25 20 Electrician, On Site \$152.25 3,045.00 8 Network Monitor Technician \$130.50 1,044.00 Hub Labor Detail 45 Senior Network Engineer \$282.75 12,723.75 48 Project Manager, Mobilization \$285.65 13,711.20 80 Wireless Technician, Mobilization \$188.50 15,080.00 156 Project Manager, On Site \$285.65 44,561.40 360 Wireless Technicians, On Site \$188.50 67,860.00 87 Tower Climbers, On Site \$181.25 15,768.75 120 Electrician, On Site \$152.25 18,270.00 80 Network Monitor Technician \$130.50 10,440.00 1 Travel Allowance \$81,925.00 81,925.00 12 Per diem 46.00 552.0	8	Project Manager, Mobilization	\$285.65	2,285.20
1 Project Manager, On Site \$285.65 285.65 10 Wireless Technicians, On Site \$188.50 1,885.00 1 Tower Climbers, On Site \$181.25 181.25 20 Electrician, On Site \$152.25 3,045.00 8 Network Monitor Technician \$130.50 1,044.00 Hub Labor Detail 45 Senior Network Engineer \$282.75 12,723.75 48 Project Manager, Mobilization \$285.65 13,711.20 80 Wireless Technician, Mobilization \$188.50 15,080.00 156 Project Manager, On Site \$285.65 44,561.40 360 Wireless Technicians, On Site \$188.50 67,860.00 87 Tower Climbers, On Site \$181.25 15,768.75 120 Electrician, On Site \$152.25 18,270.00 80 Network Monitor Technician \$130.50 10,440.00 Travel Allowance 12 Per diem 46.00 552.00 12 Mileage 65.00 780.00	6	Wireless Technician, Mobilization	\$188.50	
1 Tower Climbers, On Site \$181.25 181.25 20 Electrician, On Site \$152.25 3,045.00 8 Network Monitor Technician \$130.50 1,044.00 Hub Labor Detail 45 Senior Network Engineer \$282.75 12,723.75 48 Project Manager, Mobilization \$285.65 13,711.20 80 Wireless Technician, Mobilization \$188.50 15,080.00 156 Project Manager, On Site \$285.65 44,561.40 360 Wireless Technicians, On Site \$188.50 67,860.00 87 Tower Climbers, On Site \$181.25 15,768.75 120 Electrician, On Site \$182.25 18,270.00 80 Network Monitor Technician \$130.50 10,440.00 Travel Allowance 12 Per diem 46.00 552.00 12 Mileage 65.00 780.00	1	Project Manager, On Site	\$285,65	
Electrician, On Site \$152.25 3,045.00 Network Monitor Technician \$130.50 1,044.00 Hub Labor Detail	10	Wireless Technicians, On Site	\$188.50	1,885.00
Electrician, On Site \$152.25 3,045.00 Network Monitor Technician \$130.50 1,044.00 Hub Labor Detail	1		\$181.25	
Hub Labor Detail 45 Senior Network Engineer \$282.75 12,723.75 12,7	20			
Senior Network Engineer \$282.75 12,723.75	8	Network Monitor Technician	\$130.50	1,044.00
48 Project Manager, Mobilization \$285.65 13,711.20 80 Wireless Technician, Mobilization \$188.50 15,080.00 156 Project Manager, On Site \$285.65 44,561.40 360 Wireless Technicians, On Site \$188.50 67,860.00 87 Tower Climbers, On Site \$181.25 15,768.75 120 Electrician, On Site \$181.25 18,270.00 80 Network Monitor Technician \$130.50 10,440.00 TRC 1 Travel Allowance 12 Per diem 46.00 552.00 12 Mileage 65.00 780.00		Hub Labor Detail		·
48 Project Manager, Mobilization \$285.65 13,711.20 80 Wireless Technician, Mobilization \$188.50 15,080.00 156 Project Manager, On Site \$285.65 44,561.40 360 Wireless Technicians, On Site \$188.50 67,860.00 87 Tower Climbers, On Site \$181.25 15,768.75 120 Electrician, On Site \$152.25 18,270.00 80 Network Monitor Technician \$130.50 10,440.00 TRC 1 Travel Allowance \$81,925.00 81,925.00 12 Per diem 46.00 552.00 12 Mileage 65.00 780.00	45	Senior Network Engineer	\$282.75	12,723,75
80 Wireless Technician, Mobilization \$188.50 15,080.00 156 Project Manager, On Site \$285.65 44,561.40 360 Wireless Technicians, On Site \$188.50 67,860.00 87 Tower Climbers, On Site \$181.25 15,768.75 120 Electrician, On Site \$152.25 18,270.00 80 Network Monitor Technician \$130.50 10,440.00 TRC 1 Trave! Allowance \$81,925.00 81,925.00 12 Per diem 46.00 552.00 12 Mileage 65.00 780.00	48		\$285.65	
156	80			
360 Wireless Technicians, On Site \$188.50 67,860.00 87	156	Project Manager, On Site	\$285.65	44.561.40
87 Tower Climbers, On Site \$181.25 15,768.75 120 Electrician, On Site \$152.25 18,270.00 80 Network Monitor Technician \$130.50 10,440.00 TRC Travel Allowance 12 Per diem 46.00 552.00 12 Mileage 65.00 780.00	360	Wireless Technicians, On Site	\$188.50	
120 Electrician, On Site \$152.25 18,270.00 80 Network Monitor Technician \$130.50 10,440.00 TRC 1 \$81,925.00 81,925.00 12 Per diem 46.00 552.00 12 Mileage 65.00 780.00	87		\$181.25	
80 Network Monitor Technician \$130.50 10,440.00 TRC 1 \$81,925.00 81,925.00 12 Per diem 46.00 552.00 12 Mileage 65.00 780.00	120	Electrician, On Site		
TRC \$81,925.00 \$1,925.00	80	Network Monitor Technician	\$130.50	
1 \$81,925.00 81,925.00 Travel Allowance		TRC	•	•
Travel Allowance 12 Per diem 46.00 552.00 12 Mileage 65.00 780.00	1		\$81,925.00	81,925.00
12 Per diem 46.00 552.00 12 Mileage 65.00 780.00	Travel Al	lowance		
12 Mileage 65.00 780.00			46.00	552.00
	12 Mileage			780.00
				936,568.45

LiveWave Video Management Syste	ms \$	65,885.44
Camera Equipm	ent \$	104,176.80
Wireless Hardw	are \$	364,682.50
Additional Equipm	ent \$	15,600.00
Engineering, Integration & Installat	ion \$	936,568.45
	tal \$	1,486,913.19

Prices do not include state sales tax, miscellaneous fees or import/export duties of any kind.

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State sales tax will be charged unless said documentation is provided.

Quote subject to Smiths Detection-LiveWave Terms & Conditions

Prepared By: Doug Tuthill

Director of Operations

Smiths Detection-LiveWave

401.932.5045

Email: doug.tuthill@smithsdetection.com

Web Address: www.smithsdetection-livewave.com

bringing technology to life

Smiths Detection-LiveWave

Tech Plaza IV 88 Silva Lane, Suite 250 Middletown, RI 02842

Tel: 401-848-7678
Fax: 401-846-7077
Quote: Boston 30

Security Sensitive Information - FOR OFFICIAL USE ONLY

Date: April 27 2007.

To: Adam Wehrenberg Company Mayor's Office of Emergency Preparedness Address Boston City Hall Room 603

Project

Critical Infrastructure Monitoring System (CIMS)

		s Boston City Hall		System (
,		s Boston , MA 022		Option	
		(617) 590-9800		Boston	30
	Ema	il adam.wehrenbe	rg@cityofboston.gov		
	1. 1 2.	Mayo VIId - **			
Part #			agement Systems Description	Rate	Total
Fait#	Gity	Item	Description	Nate	Total
4008.4	5 2	FV-NVR-8-4.5T	8 channel, network recorder, 2U rackmont, 4.5TB storage	\$10,980.91	21,961.81
.000,4			, and the state of	Sub Total	
1 3 1 1 I	l: Cam	era Equipment			- 1,000
Part #		ltem	Description	Rate	Total
Spectra	a 30		Bosch IP Camera	\$2,340.00	70,200.00
BB5-PCA-G			Camera Mounting Hardware	\$143.00	4,290.00
	30		NEMA Enclosure	\$260.00	7,800.00
	30		UPS	\$150.80	4,524.00
			Shipping/handling included in all prices		-
				Sub Total	
					and the second
Part #	Qty	<u>Item</u>	Description	Rate	Total
			Backbone		
TBD	1		DragonWave Airpair 50	\$21,093.80	
· TBD	-1		Manual Reboot System	\$507.00	
TBD TBD	1		Radio Mount	\$845.00	
TBD	1		Grounding Rack Mount	\$540.80 \$676.00	
TBD	1		UPS Power Supply	\$3,172.00	
TBD	1.		Switch	\$845.00	
TBD	1		Router	\$4,758.00	
TBD	1		Miscellaneous	\$676.00	
			Site Devices Pole Mount	***************************************	• • • • • • • • • • • • • • • • • • • •
TBD	18		Gemini Lite or similar (TBD on Site Survey)	\$4,282.20	\$ 77,079.60
TBD	18		Electrical hardware	\$44.20	
TBD	18		Miscellaneous	\$253.50	4,563.00
			Site Devices Roof Mount		
TBD	6		Gemini Lite or similar (TBD on Site Survey)	\$4,282.20	25,693.20
TBD	6		Radio Mount	\$845.00	5,070.00
TBD	6		Grounding	\$280.80	•
TBD	6		Electrical hardware	\$1,014.00	
TBD	6		Miscellaneous	\$263.90	1,583.40
			Site to Hub Devices		
TBD	24		Gemini Lite or similar (TBD on Site Survey)	\$4,282.20 \$	
TBD	7		Manual Reboot System	\$507.00 \$	
TBD	11		Radio Mount	\$845.00 \$	
TBD	11 24		Grounding	\$280.80 \$ \$175.50 \$	
TBD TBD	24 11		Lighting arrester Pack Mont Conduit and Power	\$1,267.50 \$	
TBD	24		Rack Mont, Conduit and Power Miscellaneous	\$263.90 \$	
100	27		THE CONTRACTOR OF THE CONTRACT	Sub Total \$	
	Δημιτί	onal Equinment			
Part #	Qty	Item	Description	Rate	Total
	7			•	
APC	2	•	Rackmount UPS	1,950.00	3,900.00
				Sub Total \$	
V: I	Engine	ering, integratio	n & Installation		
	Qty	item	Description	Rate	Total
			SD-LiveWave Services		
9001.00	540 1	W-PM	Project Management (per hour)	107.05	57,807.00
			Installation (per hour)	107.05	4,282.00
			Fraining (per hour)	107.05	4,282.00
9002.00			Engineering & Integration (per hour)	158.44	57,038.40
			- , ,		• •

		General Contractor Site Installation		
1			\$183,300.00	183,300.00
		StoneCrop Technologies		
		Pole Mount Labor Detail		
18		Senior Network Engineer	\$253.50	4,563.00
54		Project Manager, Mobilization	\$256.10	13,829.40
54		Wireless Technician, Mobilization	\$169.00	9,126.00
54		Project Manager, On Site	\$256.10	13,829.40
108		Wireless Technicians, On Site	\$169.00	18,252.00
45		Electrician, On Site	\$136.50	6,142.50
72		Police Detail, On Site	\$65.00	4,680.00
9	,	Network Monitor Technician	\$117.00	1,053.00
		Roof Mount Labor Detail		
12		Senior Network Engineer	\$253.50	3,042.00
36		Project Manager, Mobilization	\$256.10	9,219.60
36	,	Wireless Technician, Mobilization	\$169.00	6,084.00
36		Project Manager, On Site	\$256.10	9,219.60
96	,	Wireless Technicians, On Site	\$169.00	16,224.00
24		Tower Climbers, On Site	\$162.50	3,900.00
36	ĺ	Electrician, On Site	\$136.50	4,914.00
6	. 1	Network Monitor Technician	\$117.00	702.00
	1	Backbone Labor Detail		
3	;	Senior Network Engineer	\$253.50	760.50
4	į	Project Manager, Mobilization	\$256.10	1,024.40
3	1	Wireless Technician, Mobilization	\$169.00	507.00
16		Project Manager, On Site	\$256,10	4,097.60
14		Wireless Technicians, On Site	\$169,00	2,366,00
10	٦	Tower Climbers, On Site	\$162.50	1,625.00
24	E	Electrician, On Site	\$136.50	3,276.00
8		Vetwork Monitor Technician	\$117.00	936,00
	ŀ	lub Labor Detail	******	
60	Ş	Senior Network Engineer	\$253.50	15,210.00
30		Project Manager, Mobilization	\$256.10	7,683.00
120		Vireless Technician, Mobilization	\$169.00	20,280.00
120		roject Manager, On Site	\$256.10	30,732.00
300		Vireless Technicians, On Site	\$169.00	50,700.00
90		ower Climbers, On Site	\$162.50	14,625.00
120		lectrician, On Site	\$136.50	16,380.00
60		letwork Monitor Technician	\$117.00	7,020.00
	,	TRC		
1			\$57,850.00	57,850.00
	ravel Allowance		******	
	er diem		46.00	552.00
	Mileage		65.00	780.00
	J -	•	Sub Total \$	667,894.40

LiveWave Video Management Systems	\$ 21,961.81
Camera Equipment	\$ 86,814.00
Wireless Hardware	\$ 298,860.90
Additional Equipment	\$ 3,900.00
Engineering, Integration & Installation	\$ 667,894.40
Total,	\$ 1,079,431.11

Notes:

Prices do not include state sales tax, miscellaneous fees or import/export duties of any kind.

Payment terms are Net 30 days unless otherwise indicated.

Smiths Detection reserves the right to modify any terms and/or conditions stated in the above quotation.

Documentation of tax-exempt status is required.

State sales tax will be charged unless said documentation is provided.

Quote subject to Smiths Detection-LiveWave Terms & Conditions

Prepared By:

Doug Tuthill Director of Operations

Smiths Detection-LiveWave

401.932.5045 Email: doug.tuthill@smithsdetection.com

Web Address: www.smithsdetection-livewave.com

bringing technology to life

Smiths Detection-LiveWave Tech Plaza IV 88 Silva Lane, Suite 250 Middletown, RI 02842

Tel: 401-848-7678 Fax: 401-846-7077

Quote: Option 4

Security Sensitive Information - FOR OFFICIAL USE ONLY
Date: April 27, 2007

To: Adam Wehrenberg
Company Mayor's Office of Emergency Preparedness
Address Boston City Hall Room 603
Address Boston , MA 02201
Tell (617) 590-9800
Email adam.wehrenberg@cityofboston.gov

Project

Critical Infrastructure Monitoring System (CIMS) Additional Support

Part #	Qty	Item	Description	Rate	Total
			SD-LiveWave Services		
001.00	48	LW-TRNG	Training (per hour)	107.05	5,138.40
		Travel Allowa	nce		
	10	Per diem		46.00	460.0
	10	Mileage		65.00	650.0
		-	'	Sub Total \$	6,248.4

- 1	Engineering, Integration & Installation	\$ 6	248 40
- 1	Engineering, megratering metablish		Contraction Contraction
- 1	Total	e c	248 4h
- 1	i Duti	24 N. S.	

Prices do not include state sales tax, miscellaneous fees or import/export duties of any kind. Payment terms are Net 30 days unless otherwise indicated.

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Documentation of tax-exempt status is required.

State sales tax will be charged unless said documentation is provided.

Quote subject to Smiths Detection-LiveWave Terms & Conditions

Prepared By: Doug Tuthill Director of Operations

Smiths Detection-LiveWave 401.932.5045

Email: doug.tuthill@smithsdetection.com

Web Address: www.smllhsdelection-livewave.com

bringing technology to life

Smiths Detection-LiveWave Tech Plaza IV 88 Silva Lane, Suite 250 Middletown, RI 02842 Tel: 401-848-7678

Fax: 401-846-7077

Security Sensitive Information - FOR OFFICIAL USE ONLY
Date: April 27,2007

To: Adam Wehrenberg
Company Mayor's Office of Emergency Preparedness
Address Boston City Hall Room 603
Address Boston , MA 02201
Tel (617) 590-9800
Email adam.wehrenberg@cityofboston.gov

Project

Critical Infrastructure Monitoring System (CIMS) Redundant Star Topology

Part #	Qty	item	Description	Rate	Total
			Backbone		
ΓBD	5		Radios	\$21,093.80 \$	105,469.6
rbd	5		Safety Cable	\$26.00 \$	130.0
rbd	5		Communication Cable	\$439.40 \$	2,197.
ΓBD	5		Manual Reboot System	\$507.00 \$	2,535.0
ΓBD	5		Radio Mount	\$845.00 \$	4,225.0
TBD	5		Grounding	\$540.80 \$	2,704.
rbd	5		Rack Mount	\$676.00 \$	3,380.
fBD	5		UPS Power Supply	\$3,172.00 \$	15,860.
BD	5		Switch	\$845.00 \$	4,225.
BD	5		Router	\$4,758.00 \$	23,790.0
BD	5		Miscellaneous	\$676.00 \$	3,380.
BD	30		Software Radio Upgrade	\$4,758.00 \$	142,740.0
				Sub Total \$	310,635.
II:	Engine	ering, Integra	ition & installation		
Part#	Qty	ltem	Description	Rate	Total
			SD-LiveWave Services		
9001.00	160 L	W-PM	Project Management (per hour)	107.05	17,128.0
			StoneCrop Technologies		
			Pole Mount Labor Detail		
	120		Senior Network Engineer	\$253.50	30,420.0
	44		Project Manager, Mobilization	\$256.10	11,268.4
	39		Wireless Technician, Mobilization	\$169.00	6,591.0
	11		Project Manager, On Site	\$256.10	2,817.1
	88		Wireless Technicians, On Site	\$169.00	14,872.0
	17		Electrician, On Site	\$136.50	2,320.5
	210		Police Detail, On Site	\$65.00	13,650.0
	40		Network Monitor Technician	\$117.00	4,680.0
	Т	ravel Allowan			
		er diem		46.00	2,576.0
		lileage		65.00	9,750.0
				Sub Total \$	116,073.0

Wireless Hardware	\$ 310,635.00
Engineering, Integration & Installation	\$ 116,073.00
Total	\$ 426,708.00

Notes:

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Payment terms are Net 30 days unless otherwise indicated.

Smiths Detection reserves the right to modify any terms and/or conditions stated in the above quotation.

Documentation of tax-exempt status is required.

State sales tax will be charged unless said documentation is provided. Quote subject to Smiths Detection-LiveWave Terms & Conditions

Prepared By:

Doug Tuthili Director of Operations Smiths Detection-LiveWave

401.932.5045

Email: doug.tuthill@smithsdetection.com
Web Address: www.smithsdetection-livewave.com



bringing technology to life

Smiths Detection-LiveWave

Tech Plaza IV 88 Silva Lane, Suite 250 Middletown, RI 02842 Tel: 401-848-7678

Fax: 401-846-7077

Security Sensitive Information - FOR OFFICIAL USE ONLY
Date: April 27 2007

Option 6

To: Adam Wehrenberg
Company Mayor's Office of Emergency Preparedness
Address Boston City Hall Room 603
Address Boston , MA 02201
Tel (617) 590-9800
Email adam.wehrenberg@cityofboston.gov

Project

Critical Infrastructure Monitoring System (CIMS) Extended Service

Part#	Qty	ltem	Description	Rate	Total
		Amount is the stated	percentage of the hardware total from	all of the options	
			Option Years	-	
	1	3%	Year 1	\$158,113.39 \$	158,113,3
	1	4%	Year 2	\$210,834.52 \$	210,834.5
	1	4.50%	Year 3	\$237,195.08 \$	237,195.0
	1	4.75%	Year 4	\$250,375.36 \$	250,375.3
	1	5%	Year 5	\$263,555.65 \$	263,555.6
				Sub Total \$	1,120,074.0

Extended Maintenance \$	1,120,074.00
Total \$	1,120,074.00

Notes:
Prices do not include state sales fax, miscellaneous fees or import/export duties of any kind.

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Date: April 27 2007

To: Adam Wehrenberg Company Mayor's Office of Emergency Preparedness Address Boston City Hall Room 603 Address Boston MA 02201

Tel (617) 590-9800

Email adam.wehrenberg@cityofboston.gov

Project

Critical Infrastructure Monitoring System (CIMS) WLAN Network Administration

Part #	Qty	Item	Description	Rate	Total
	1		Network System Administration	\$63,000.00	63,000.00
			,	Sub Total \$	63.000.00

Engineering,	Integration & I	nstallation	\$ 6	63,000.00
		BERTHROOM TO HAVE BUILDING TO BOTH		63,000.00

Notes:
Prices do not include state sales tax, miscellaneous fees or import/export duties of any kind.

Payment terms are Net 30 days unless otherwise indicated.

Smiths Detection reserves the right to modify any terms and/or conditions stated in the above quotation.

Documentation of tax-exempt status is required.

State sales tax will be charged unless said documentation is provided.

Quote subject to Smiths Detection-LiveWave Terms & Conditions

Prepared By:
Doug Tuthill
Director of Operations

Smiths Detection-LiveWave

401,932,5045

Email: doug.tuthill@smithsdetection.com

Web Address: www.smithsdetection-livewave.com

SDLW Bid Assessment

Item	Bid Page	Co		
	g	Comment/Question	Potential \$ Impact	Notes
1	#1 Base	What configuration requires qty 6 Enterprise Management Servers? 5 cities begin wired		Replace Palco hardware with
2	#1 Base	What configuration requires a qty 8 network recorders?	TBD	SDLW solution?
3	#1 Base	What so in guilation requires a dty o network recorders?	TBD	i .
100000000010000000000000000000000000000		Why is a 4.5TB storage disk required on the 8 channel recorder?	TBD	
4	#1 Base	Site Devices Pole/Roof rmounted radios = 55? (35 + 20, however there are 65 cameras in base bid)		
5	#1 Base	Site to Hub Devices = 55 (65 cameras)		See \$ savings from #6
040400000000000000000000000000000000000		The Political Control of the Carrier		See \$ savings from #6
				\$193,00 in hardware costs
		Under "Site to Hub Devices", (55) Gemini Lite count is redundant.	,	relative to reduction of 110 pairs
		Radios come in a pair from Motorola called a "hop in a box". This was		of radios to 65. Reduction of
		confirmed with Motorola today. Hence the base quote reflects 110 pairs	·	Stonecrop revised labor estimate
		of Gemini Lite radios, only 65 pairs are required for the 65 cameras to		by 25% = \$125k. Reduction in
6	#1 Base	the best of our knowledge	\$471,000	TRC by 25% = \$41k.Reduction in GC fee by 25% = \$112k.
			φ471,000	Understand Intermapper
_				
7	#1 Base	Intermapper software times 9 copies?	\$7,800	currently being installed in Phase
0	40 D	\$158 high rate for LW-ENG 400 hours of engineering (industry standard		
8	#2 Base	closer to \$135)	\$6,900	
9	#1 Base	Site to Hub, quantity times unit price not carried forward to a correct total		
10	#2 Base	o	\$80,000	
10	mz base	Stonecrop rates excessive,reference sheet two of this workbook.	TBD	
11	#2 Option 1	TPC design for afficient of a section of the sectio		Moot point given Option 1 not
		TRC design fee of \$166 for ⊙ption 1 design earne as base bid	TBD	likely to be selected.
12	General	All Stonecrop rates higher in Option 2 than other estimates		Moot point given Option 2 not
13	#1 Base	Why 8 rackmount UPS' in additional equipment?		likely to be selected.
	***************************************		TBD	
				\$77,000 in hardware costs. \$84k
14	#1 Option 3	48 pairs of radios for 30 cameras?	# 004.000	in Stonecrop. \$15k in TRC. \$45k
		TRC fee? Engineering in SDLW portion of Rase and Contan pelimetee	\$221,000	in GC.
		Engineering in Stonecrop portion of Base and Option estimates what		
		elighteering is envisioned for TRC? Wireless & Security design		
15	General	engineering tees normally do not exceed 12%		
16	#2 Option 3	TRC fee excessive. \$58k for adding 30 cameras in one city?	\$28,000	Reduce to \$30k.
17		and advide as maded to not use I waster		reduce to \$30K.

17

pochedule: no need to get 40% by 12/31/17 and date down I change.

BASE BID

					Net Negotiable		
Stonecrop	Bid Hours	I	Bill Rate	Industry Std. Ra	ate :	Savings	Revised cost
Project Manager		1010	\$25	56 \$	110	\$147,460	
Sr. Network Engineer		253	\$25	53 \$	135	\$29,854	
Wireless Technician		2018	\$16	69 \$	100	\$139,242	
Tower Climber		248	\$16	63	\$90	\$17,980	
Network Montioring Tech		206	\$1 1	17	\$80	\$7,622	
Electrician		1225	\$13	37	\$90	\$56,963	
Total		4960	\$904,37	73		\$399,121	\$505,253

OPTION 3

				1	let Negotiable	
Stonecrop	Bid Hours	Bill	Rate Industr	y Std. Rate S	Savings	
Project Manager		350	\$256	\$110	\$51,100	
Sr. Network Engineer		93	\$253	\$135	\$10,974	
Wireless Technician		677	\$169	\$100	\$46,713	
Tower Climber		124	\$163	\$90	\$8,990	
Network Montioring Tech		83	\$117	\$80	\$3,071	
Electrician		525	\$137	\$90	\$24,413	
Total		1852	\$337,681		\$145,261	\$192,421