

Corporate Headquarters

Verrex Corporation

1130 RT, 22 Mountainside, NJ USA 07092



Celebrating Our 50th Anniversary

May 18, 1998

Mr. Jack Klein
Ambassador Construction Co., Inc.
317 Madison Avenue
New York, NY 10017

Re: Mayor's Office of Emergency Management
A/V Systems

2,192,064
167,064
SALES TAX
2,025,000

Dear Mr. Klein,

VERREX is pleased to submit this proposal for supplying the Audio Visual system as referenced above. We have used the plans and specifications dated May 4, 1998 drawn up by Shen Milsom & Wilke, Inc. as the basis for our bid. This bid submission consists of the following information:

<u>Section</u>	<u>Contents</u>	<u>Page</u>
I	VERREX Qualifications	1
II	System Warranty	2
III	Training of Owner Personnel	2
IV	Payment Terms	2
V	Bid Compliance	3
VI	Schedule of Completion	3
VII	Optional Service Contract	4
VIII	System Price	4

I. VERREX QUALIFICATIONS

VERREX is one of the oldest and most respected contractors in the audiovisual industry. We have consistently delivered complex projects such as this on time and within budget since 1947. We offer the following qualifications which set VERREX apart from our competition:

1. We currently have eight full-time electronics engineers on staff.
2. All system engineering documentation and drawings are produced on AutoCAD, the industry standard for PC-based Computer-Aided Drafting. All other project information is also computerized.

3. Our facility includes a fully-equipped 2,800 square foot fabrication shop with engraving, metal- and wood-working capabilities to minimize delays when custom assemblies are required.
4. We currently have five full-time shop fabricators with more than 50 years cumulative experience in electronics fabrication.
5. We currently have eleven full-time technician/foremen, who each have extensive field experience and continually receive on-going technical training to keep them abreast of new technologies.
6. We have available a full complement of analytic and troubleshooting instrumentation and equipment, including TEF analyzers and Acousti-CAD software.
7. We employ a "Team" approach to project management. Each project team includes a project engineer (who acts as team leader), an account executive, a field coordinator/foreman, and additional technical personnel as required.
8. We provide extensive and comprehensive documentation of all phases of a project. The quality of our as-built drawings and owners' manuals is unparalleled.
9. Our commitment to customer service is evidenced by the large number of our repeat clients, and our customer list reads like a "Who's Who" of industry, government and institutional leaders WORLDWIDE.

II. SYSTEM WARRANTY

Warranty on equipment supplied and installed by VERREX is one year from date of system first use. This covers equipment and labor, which we supply. The only exclusions to this are the exclusions claimed by individual manufacturers, wire and convergence of the video projectors after ninety days. Manufacturer exclusions are generally for bulbs, belts, video heads, audio heads, CRT's, batteries and other parts susceptible to general wear. These exclusions are detailed in the manufacturer's manuals which we supply at the conclusion of the project. VERREX does not offer any warranty on owner furnished equipment. Owner furnished equipment if not working should be returned to the factory for warranty repair or VERREX will repair or have equipment repaired at our normal hourly rate. Copies of packing slips and or invoices will be necessary for returning owner furnished equipment under warranty.

III. TRAINING OF OWNER PERSONNEL

Training of designated owner personnel will be performed under the terms of the system specification. We have budgeted for 32 hours of training to take place over eight sessions. Should additional training be required, it is available at the rate of \$95 per hour.

IV. PAYMENT TERMS

Our terms are 30% deposit of total contract amount upon receipt of a written contract. Invoices will be submitted monthly. Payment is due within 30 days from date of invoice. Final billing is net 30 days. A 1.5% per month finance charge will accrue on all past due invoices and collection fees if incurred.

We will invoice for material stored in our facility to help avoid price increases and material delays. The necessary insurance certificates and bills of sale will be submitted. The material is available for

inspection at anytime during normal working hours. Deposits required by manufacturers will also be invoiced.

When equipment is delivered to the job site for storage or installation, the owner or a representative needs to sign for the equipment and make available locked rooms. Upon delivery the owner is responsible for the equipment.

Unless specifically stated as a separate line item, Federal, State, local or other taxes are not included. System completion is subject to prompt receipt of a signed contract, deposit and invoice payment. Unit prices are as requested and for billing purposes only, change in scope, additions and deletions will be quoted separately. This quotation is good for 30 days, extension of time in writing only.

V. BID COMPLIANCE

This proposal is based upon our interpretation of the system's functional requirements as set forth in specification pages 1-61 dated May 4, 1998 and drawings AV1-AVS8 dated May 4, 1998. All equipment, material and accessories required, whether specified or not, to make the system(s) operate as defined in the system specifications are hereby also included. VERREX cannot be held liable or responsible for any equipment, accessories or labor beyond that which is required to provide a functioning system as indicated above. This proposal also includes all necessary union installation, supervision, documentation, equipment set-up and alignment, testing and training required to fully implement this project.

Our price is based upon the assumption that all required electrical power, cabling and connectors, as well as any other electrical supply and distribution items required to support the system(s) will be provided by others. These items must be installed prior to our beginning the AV system's delivery and installation in order to avoid delays in project completion.

VI. SCHEDULE OF COMPLETION

VERREX makes every effort to deliver all our projects on time and within budget, and all our internal departments work together towards that goal. To assist us in this undertaking, we ask your cooperation in the following areas:

1. Submissions, samples and drawings should be returned to us, with appropriate comments, within two weeks of submittal.
2. All areas in which we will be working should be provided with all debris removed, all floors, walls and ceilings should be complete, we should have the capability to secure room(s), and we should have the capability to work continuously without interruption.

Based upon these conditions being met, the following dates are given following receipt of a fully signed and executed contract, accompanied by the appropriate deposit:

1. Complete submission will be within three weeks. Submission is limited to those items which deviate from those specified.

Verrex Corporation

2. Custom equipment will not be fabricated until we receive approved shop drawings.
3. System completion is expected by October 1, 1998, assuming we receive an order before June 1, 1998. Testing, acceptance and training will follow.

VII. OPTIONAL SERVICE CONTRACT

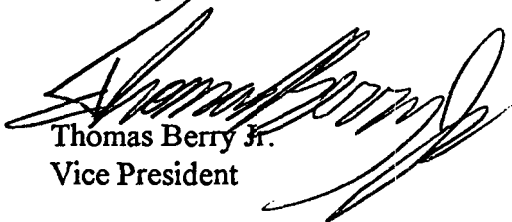
A service contract is hereby offered to take effect upon expiration of the normal one-year warranty. This contract will include three visits per year by a qualified technician who will restore any malfunctioning equipment to proper working order and clean, adjust and align all system equipment as required. Annual cost for this contract will be \$8,900. Please note that this contract is for labor only, and does not cover any parts which may be required to repair malfunctioning equipment. If parts are necessary, they will be billed in addition to the contract amount on a cost plus basis.

VIII. SYSTEM PRICE

VERREX is pleased to provide all the equipment, materials and labor as outlined herein for the sum of \$2,192,064., including 8.25% applicable sales taxes.

Thank you for giving us the opportunity to be of service, and for considering VERREX. If I can be of any further assistance, please do not hesitate to contact me.

Cordially,



Thomas Berry Jr.
Vice President

2,192,064

AREA: EMERGENCY OPERATIONS CENTER

ITEM	QTY	DESCRIPTION	COST
------	-----	-------------	------

PROJECTION/DISPLAY SYSTEMS

1.	4	Video/Data Projector, reflective LCD, high light output, multi-frequency input, native 1024 X 768 resolution, RS232 control, with lens, complete with spare lamps.	<u>\$43,000</u>
----	---	--	-----------------

SHARP XG-3000

2.	4	Projector and mirror support assemblies, front surface coated glass, complete with support frames as required.	<u>\$ 7,500</u>
----	---	--	-----------------

CUSTOM BY AV CONTRACTOR

3.	32	Video/Data Monitor, 37", minimum display resolution 1280 X 1024 resolution, autoscanning, RS232 control.	<u>\$292,000</u>
----	----	--	------------------

NEC MULTISYNC XP37 PLUS (XP3790)

4.	8	Video/Data Monitor, 29", minimum display resolution 1280 X 1024 resolution, autoscanning, RS232 control.	<u>\$50,000</u>
----	---	--	-----------------

NEC MULTISYNC XP29 PLUS (XP2990)**VIDEO SYSTEM**

5.	1	Matrix switcher, RGBS 32 X 80 (150 Mhz), local control panel, RS232, rackmounted.	<u>\$257,889</u>
----	---	---	------------------

PESA QUOTE #9804026BH (32X80)

6.	7	Universal Analog RGBS computer interface, with digital controls, complete with the monitor breakout cables and RGBS extension cables as required.	<u>\$ 7,438</u>
----	---	---	-----------------

EXTRON RGB 300**EXTRON RGBS EXTENSION CABLES****EXTRON MBC-SVGA 26-162-01**

SECTION VI
EQUIPMENT LIST

AREA: EMERGENCY OPERATIONS CENTER

ITEM	QTY	DESCRIPTION	COST
7.	4	Video patch bay, minimum 2 X 24 jacks, with high bandwidth normal through self -terminating jacks, for computer video. Include color-coded patch cords. CANARE 242U-VJ22W-C	<u>\$ 3,000</u>
8.	1	Videocassette player/recorder, ½" S-VHS, rackmounted SONY SVO-1620 MIDDLE ATLANTIC RACK MOUNT	<u>\$ 763</u>
9.	1	Scan doubler, with minimum three (3) video/s-video inputs, with audio follow video, multiple format output, RS-232 control, rack mountable. EXTRON SYSTEM 4LDex	<u>\$ 2,813</u>
10.	1	RGBS high resolution monitor, 17" diagonal picture, 1280 X 1024 minimum resolution, with rack mounts. MITSUBISHI DIAMOND PRO 700 OR APPROVED EQUAL	<u>\$ 1,000</u>
11.	74	Console monitor, NTSC, with built in tuner, 13" diagonal. SONY KV-13M30	<u>\$18,500</u>

AUDIO SYSTEMS

12.	Lot	Computer controlled audio system, including all hardware, software, 32KHz breakout boxes, DSP cards as necessary, keyboard, mouse, monitor, rack mount accessories, etc. PEAVEY MEDIA MATRIX MM740 PEAVEY MM8830 DIGITAL INTERFACE PEAVEY PASHA OPTION	<u>\$ 8,250</u>
13.	12	Dynamic microphones, with cardioid pick-up pattern, with desk stands. SHURE SM-58LC OR APPROVED EQUAL	<u>\$ 1,425</u>

AREA: EMERGENCY OPERATIONS CENTER

ITEM	QTY	DESCRIPTION	COST
14.	2	Eight (8) channel microphone pre-amplifier, with 48V phantom power, gain controls and LED indicators. PEAVEY A/A-8P	<u>\$ 1,000</u>
15.	6	Single channel power amplifier, 60 watts into an 8 ohm load, 70 volt, include input modules and rack mounts as necessary. TOA P906MKII	<u>\$ 3,000</u>
16.	30	Four (4") ceiling speakers, with integral transformer. ATLAS/SONDELIER FC104/T47	<u>\$ 768</u>

CONTROL

17.	Lot	Active matrix color touch screen control panel, portable, located at Supervisor's desks in the podium. Master card frame, interface modules, relay cards, IR/serial interfaces, control cables, power supplies, etc., system programming to perform all control functions as required. Nomenclature to be coordinated with client/operator Include analog modem (56kbs) for remote diagnostics. AMX CONTROL SYSTEM QUOTE # MAS98D01ER CRESTRON CONTROL SYSTEM QUOTE #1054	<u>\$13,013</u>
-----	-----	---	-----------------

MISCELLANEOUS

18.	1	Control system shall be connected to Unswitched power and shall be provided with a power line conditioner. AMERICAN POWER CONVERSION (APC) LINE-R 1250	<u>\$ 625</u>
19.	1	Rack auxiliary input/output panel CUSTOM BY AV CONTRACTOR	<u>\$ 188</u>

AREA: EMERGENCY OPERATIONS CENTER

ITEM	QTY	DESCRIPTION	COST
20.	3	Equipment rack, black, with vents, blank panels, locking back door, rack shelves, fans and power strips required to complete installation.	<u>\$3,750</u>
		MIDDLE ATLANTIC MRK 44-26 ALL ACCESSORIES AS REQUIRED	
21.	LOT	Miscellaneous hardware, switches, relays panels, connectors, cabling, lamps, terminal blocks, wall plates, etc., necessary to insure a complete and operating system.	<u>\$2,500</u>
		CUSTOM BY AV CONTRACTOR	
The following equipment shall be furnished by the A/V Contractor, and installed by others:			
22.	LOT	1 X 4 projection screen wall, utilizing 1/4" acrylic screens and P2000 framing system; all screens to provide a 54" high by 72" wide image.	<u>\$9,000</u>
		STEWART FILMSCREEN AEROVIEW 100 PERIMETER 2000 FRAMING SYSTEM	
23.	30	Ceiling back boxes and grills for Atlas/Soundolier ceiling speakers.	<u>\$ 788</u>
		ATLAS/SOUNDOLIER E-410 ENCLOSURE ATLAS/SOUNDOLIER 51-4 GRILLE	
24.	5	Floor boxes, for raised access, carpeted, computer flooring with. Lift off full access door and fold back cable exit.	<u>\$2,469</u>
		FSR FL-540P RAISED ACCESS FLOOR BOX	
25.	8	Ceiling mount brackets for 29" ceiling mounted monitors.	<u>\$2,500</u>
		PIVOTELLI OR APPROVED EQUAL	
26.	1	Ceiling mounted screen, with tab-tensioned system; viewing area 60" high X 80" wide, with low-voltage interface.	<u>\$3,250</u>
		STEWART FILMSCREEN MODEL A	

AREA: MAYOR'S CONFERENCE ROOM

ITEM	QTY	DESCRIPTION	COST
------	-----	-------------	------

PROJECTION/DISPLAY SYSTEMS

1.	1	Video/Data Projector, reflective LCD, high light output, multi-frequency input, native 1024 X 768 resolution, RS232 control, with lens, complete with spare lamps.	<u>\$10,750</u>
----	---	--	-----------------

SHARP XG-3000

2.	1	Projector and mirror support assemblies, front surface coated glass, complete with support frames as required.	<u>\$ 3,125</u>
----	---	--	-----------------

CUSTOM BY AV CONTRACTOR

3	6	Video/Data Monitor, 29", minimum display resolution 1280 X 1024 resolution, autoscanning, RS232 control.	<u>\$37,500</u>
---	---	--	-----------------

NEC MULTISYNC XP29 PLUS (XP2990)**VIDEO SYSTEM**

4	1	Matrix switcher, 16 X 16 (200 Mhz) with 16 x16 stereo audio, complete with break-away switching, local control panel, RS232 control, rackmounted.	<u>\$ 3,438</u>
---	---	---	-----------------

EXTRON CROSSPOINT 1616HVA

5.	2	Universal Analog RGBS computer interface, with digital controls, complete with the monitor breakout cables and RGBS extension cables as required.	<u>\$ 2,125</u>
----	---	---	-----------------

EXTRON RGB 300**EXTRON RGBS EXTENSION CABLES****EXTRON MBC-SVGA 26-162-01**

6.	1	Videocassette player/recorder, 1/2" S-VHS, rackmounted	<u>\$ 763</u>
----	---	--	---------------

SONY SVO-1620**MIDDLE ATLANTIC RACK MOUNT**

AREA: MAYOR'S CONFERENCE ROOM

ITEM	QTY	DESCRIPTION	COST
7.	2	Scan doubler, with minimum three (3) video/s-video inputs, with audio follow video, multiple format output, RS-232 control, rack mountable.	<u>\$ 5,625</u>
		EXTRON SYSTEM 4LDex	
8.	1	S-Video switch, 6 input with 2 output, RS-232 control, internal power supply, with rack mount kit.	<u>\$ 688</u>
		EXTRON SW 6 SV MX EXTRON 60-190-01 OR APPROVED EQUAL	
9.	LOT	Signal distribution, two (2) video and one (1) distribution amplifiers, with power supplies and rack mounts.	<u>\$ 1,250</u>
		SIGMA SERIES 26	
10.	1	Videoconference system to include CODEC w/V.35 interface, far-end multipoint director control, 30 FPS, with slides.	<u>\$35,625</u>
		PICTURETEL V4DZ2NV3501200E30 PICTURETEL COUNTRY KIT S2-CK-A	
12.	1	Inverse multiplexer, 4BRI, w/NT1 & CODEC cables. Include analog modem (56kbs) for remote diagnostics.	<u>\$ 3,750</u>
		ASCEND MBV-BRI4U ASCEND PTEL V.35/RS-366 CABLE KIT	
13	3	Video teleconferencing camera, video and s-video output, RS-232 control, with minimum four (4) presets.	<u>\$ 3,750</u>
		CANON VC-C3	
14.	1	Video scan converter, minimum resolution input of 1280 by 1024, maximum horizontal scan rate of 85Khz (minimum), 24 bit color, broadcast quality, rack mountable.	<u>\$ 6,625</u>
		RGB SPECTRUM VIDEOLINK 1650	

AREA: MAYOR'S CONFERENCE ROOM

ITEM	QTY	DESCRIPTION	COST
<u>AUDIO SYSTEMS</u>			
15.	1PR	Program audio speakers, with internal crossover, mirror image matched left & right; magnetically shielded enclosures; with common subwoofer.	<u>\$ 2,375</u>
		EASTERN ACOUSTIC WORKS JF-50S EASTERN ACOUSTIC WORKS SB48	
16.	2	Dual channel amplifier, 2 X 110 watts into an 8 ohms load, rackmountable.	<u>\$ 1,250</u>
		CROWN CT-210	
17.	1	Single channel power amplifier, 60 watts into an 8 ohm load, 70 volt, include muteable input modules and rack mounts as necessary.	<u>\$ 500</u>
		TOA A906MKII	
18.	1	Audio teleconferencing hybrid, with adaptive echo cancellation, 2-wire and 4-wire transmission, full duplex operation, RS-232 control, rack mountable.	<u>\$ 4,500</u>
		SOUND CONTROL TECHNOLOGIES AVT-24	
19.	1	Audio cassette player/recorder with rackmount	<u>\$ 813</u>
		TASCAM 112	
20.	2	Conference table boundary microphone, "tri-mic" configuration, with micro cardioid pick up pattern; black.	<u>\$ 1,200</u>
		GENTNER DELTA	
21.	1	Wireless diversity lavalier microphone system, cardioid pick up pattern, with rack mounted receiver.	<u>\$ 1,000</u>
		LECTROSONICS DLS W/M150	
22.	1	Eight (8) channel microphone mixer, switchable mic/line inputs, rack mountable.	<u>\$ 1,013</u>
		LECTROSONICS AM8	
SMW #5149			May 4, 1998
AUDIOVISUAL EQUIPMENT			100% CD

AREA: MAYOR'S CONFERENCE ROOM

ITEM	QTY	DESCRIPTION	COST
------	-----	-------------	------

23.	6	Four (4") ceiling speakers, with integral transformer.	\$ 158
-----	---	--	--------

ATLAS/SONDELIER FC104/T47**CONTROL**

24.	Lot	Active matrix color touch screen control panel, portable, RF wireless handheld LCD control panel. Master card frame, interface modules, relay cards, IR/serial interfaces, control cables, power supplies, etc., system programming to perform all control functions as required. Nomenclature to be coordinated with client/operator Include analog modem (56kbs) for remote diagnostics.	\$ 8,750
-----	-----	--	----------

**AMX CONTROL SYSTEM QUOTE # MAS98D01ER
CRESTRON CONTROL SYSTEM QUOTE #1054****MISCELLANEOUS**

25.	1	Control system shall be connected to Unswitched power and shall be provided with a power line conditioner.	\$ 625
-----	---	--	--------

AMERICAN POWER CONVERSION (APC) LINE-R 1250

26.	1	Rack auxiliary input/output panel	\$ 188
-----	---	-----------------------------------	--------

CUSTOM BY AV CONTRACTOR

27.	2	Equipment rack, black, with vents, blank panels, locking back door, rack shelves, fans and power strips required to complete installation.	\$ 2,500
-----	---	--	----------

**MIDDLE ATLANTIC MRK 44-26
ALL ACCESSORIES AS REQUIRED**

28.	LOT	Miscellaneous hardware, switches, relays panels, connectors, cabling, lamps, terminal blocks, wall plates, etc., necessary to insure a complete and operating system.	\$ 1,250
-----	-----	---	----------

CUSTOM BY AV CONTRACTOR

AREA: MAYOR'S CONFERENCE ROOM

ITEM	QTY	DESCRIPTION	COST
------	-----	-------------	------

The following equipment shall be furnished by the A/V Contractor, and installed by others:

29. LOT Rear screen projection screen, utilizing ¼" acrylic and P2000 framing system; screen to provide a 72" high by 96" wide image.

\$ 2,500

**STEWART FILMSCREEN AEROVIEW 100
PERIMETER 2000 FRAMING SYSTEM**

30. 1 Electric projection screen with low-voltage control, tab tensioned, ceiling enclosure; viewing area 72" high by 96" wide.

\$ 4,250

STEWART FILMSCREEN ABT 4120

31. 6 Ceiling back boxes and grills for Atlas/Soundolier ceiling speakers.

\$ 158

**ATLAS/SOUNDOLIER E-410 ENCLOSURE
ATLAS/SOUNDOLIER 51-4 GRILLE**

AREA: MAYOR'S SUITE

ITEM	QTY	DESCRIPTION	COST
------	-----	-------------	------

DISPLAY SYSTEMS

1.	2	Video monitor, 21", NTSC flat panel display, with all wall mounting hardware, extension cables, etc.	<u>\$17,500</u>
		FUJITSU PDS2173B	

VIDEO SYSTEM

2.	1	Videocassette player/recorder, ½" S-VHS, rackmounted	<u>\$ 763</u>
		SONY SVO-1620	
		MIDDLE ATLANTIC RACK MOUNT	

AUDIO SYSTEMS

3.	1	Single channel mixeramplifier, 60 watts into an 8 ohm load, 70 volt, include muteable input modules and rack mounts as necessary.	<u>\$ 500</u>
		TOA A906MKII	
4.	1	Single channel graphic equalizer, rack mountable, with security cover.	<u>\$ 313</u>
		RANE ME 30B	
5.		Four (4") ceiling speakers, with integral transformer.	<u>\$ 79</u>
		ATLAS/SONDELIER FC104/T47	

AREA: MAYOR'S SUITE

ITEM	QTY	DESCRIPTION	COST
<u>CONTROL</u>			
6.	Lot	RF wireless handheld LCD control panel. Master card frame, interface modules, relay cards, IR/serial interfaces, control cables, power supplies, etc., system programming to perform all control functions as required. Nomenclature to be coordinated with client/operator Include analog modem (56kbs) for remote diagnostics.	<u>\$ 6,131</u>

AMX CONTROL SYSTEM QUOTE # MAS98D01ER
CRESTRON CONTROL SYSTEM QUOTE #1054

MISCELLANEOUS

7.	1	Control system shall be connected to Unswitched power and shall be provided with a power line conditioner.	<u>\$ 625</u>
AMERICAN POWER CONVERSION (APC) LINE-R 1250			
8.	LOT	Miscellaneous hardware, switches, relays panels, connectors, cabling, lamps, terminal blocks, wall plates, etc., necessary to insure a complete and operating system.	<u>\$ 375</u>

CUSTOM BY AV CONTRACTOR

The following equipment shall be furnished by the A/V Contractor, and installed by others:

9.	3	Ceiling back boxes and grills for Atlas/Soundolier ceiling speakers.	<u>\$ 79</u>
----	---	--	--------------

ATLAS/SOUNDOLIER EZ96-4X ENCLOSURE
ATLAS/SOUNDOLIER 51-4 GRILLE

AREA: COMMISSIONER'S SUITE

ITEM	QTY	DESCRIPTION	COST
<u>PROJECTION/DISPLAY SYSTEMS</u>			
1.	1	Video/Data Monitor, 37", minimum display resolution 1280 X 1024 resolution, autoscanning, RS232 control. NEC MULTISYNC XP37 PLUS (XP3790)	<u>\$ 9,125</u>
2.	4	Video/Data Monitor, 29", minimum display resolution 1280 X 1024 resolution, autoscanning, RS232 control. NEC MULTISYNC XP29 PLUS (XP2990)	<u>\$25,000</u>
<u>VIDEO SYSTEM</u>			
3.	2	Universal Analog RGBS computer interface, with digial controls, complete with the monitor breakout cables and RGBS extension cables as required. EXTRON RGB 300 EXTRON RGBS EXTENSION CABLES EXTRON MBC-SVGA 26-162-01	<u>\$ 2,125</u>
4.	1	Videocassette player/recorder, ½" S-VHS, rackmounted SONY SVO-1620 MIDDLE ATLANTIC RACK MOUNT	<u>\$ 763</u>
5.	2	Scan doubler, with minimum three (3) video/s-video inputs, with audio follow video, multiple format output, RS-232 control, rack mountable. EXTRON SYSTEM 4LDex	<u>\$ 5,625</u>

AREA: COMMISSIONER'S SUITE

ITEM	QTY	DESCRIPTION	COST
------	-----	-------------	------

AUDIO SYSTEMS

6.	1	Compact disk/cassette combination deck, with separate balanced outputs for each, rack mountable, remote control.	<u>\$ 625</u>
----	---	--	---------------

DENON DN-T620

7.	1	Single channel mixer/amplifier, 60 watts into an 8 ohm load, 70 volt, include muteable input modules and rack mounts as necessary.	<u>\$ 500</u>
----	---	--	---------------

TOA A906MKII

8.	1	Single channel graphic equalizer, rack mountable, with security cover.	<u>\$ 313</u>
----	---	--	---------------

RANE ME 30B

9.	4	Four (4") ceiling speakers, with integral transformer.	<u>\$ 105</u>
----	---	--	---------------

ATLAS/SONDELIER FC104/T47**CONTROL**

10.	Lot	Active matrix color touch screen control panel, portable, located at Commissioner's desk. Master card frame, interface modules, relay cards, IR/serial interfaces, control cables, power supplies, etc., system programming to perform all control functions as required. Nomenclature to be coordinated with client/operator Include analog modem (56kbs) for remote diagnostics.	<u>\$ 7,044</u>
-----	-----	--	-----------------

AMX CONTROL SYSTEM QUOTE # MAS98D01ER
CRESTRON CONTROL SYSTEM QUOTE #1054

AREA: COMMISSIONER'S SUITE

ITEM	QTY	DESCRIPTION	COST
------	-----	-------------	------

MISCELLANEOUS

11.	1	Control system shall be connected to Unswitched power and shall be provided with a power line conditioner.	\$ 625
-----	---	--	--------

AMERICAN POWER CONVERSION (APC) LINE-R 1250

12.	1	Rack auxiliary input/output panel	\$ 188
-----	---	-----------------------------------	--------

CUSTOM BY AV CONTRACTOR

13.	1	Equipment rack, black, with vents, blank panels, locking back door, rack shelves, fans and power strips required to complete installation.	\$ 875
-----	---	--	--------

**MIDDLE ATLANTIC SLIM 5 SERIES
ALL ACCESSORIES AS REQUIRED**

14.	LOT	Miscellaneous hardware, switches, relays panels, connectors, cabling, lamps, terminal blocks, wall plates, etc., necessary to insure a complete and operating system.	\$ 625
-----	-----	---	--------

CUSTOM BY AV CONTRACTOR

The following equipment shall be furnished by the A/V Contractor, and installed by others:

15.	4	Ceiling back boxes and grills for Atlas/Soundolier ceiling speakers.	\$ 105
-----	---	--	--------

**ATLAS/SOUNDOLIER E-410 ENCLOSURE
ATLAS/SOUNDOLIER 51-4 GRILLE**

AREA: WATCH COMMAND

ITEM	QTY	DESCRIPTION	COST
------	-----	-------------	------

PROJECTION/DISPLAY SYSTEMS

1.	8	Video/Data Monitor, 29", minimum display resolution 1280 X 1024 resolution, autoscanning, RS232 control.	<u>\$50,000</u>
----	---	--	-----------------

NEC MULTISYNC XP29 PLUS (XP2990)**AUDIO SYSTEMS**

2.	1	Single channel power amplifier, 60 watts into an 8 ohm load, 70 volt, include muteable input modules and rack mounts as necessary.	<u>\$ 500</u>
----	---	--	---------------

TOA A906MKII

3.	1	Single channel graphic equalizer, rack mountable, with security cover.	<u>\$ 313</u>
----	---	--	---------------

RANE ME 30B

4.	10	Four (4") ceiling speakers, with integral transformer.	<u>\$ 263</u>
----	----	--	---------------

ATLAS/SONDELIER FC104/T47**CONTROL**

5.	LOT	Active matrix color touch screen control panel, LCD control panel. Master card frame, interface modules, relay cards, IR/serial interfaces, control cables, power supplies, etc., system programming to perform all control functions as required. Nomenclature to be coordinated with client/operator Include analog modem (56kbs) for remote diagnostics.	<u>\$11,250</u>
----	-----	---	-----------------

AMX CONTROL SYSTEM QUOTE # MAS98D01ER
CRESTRON CONTROL SYSTEM QUOTE #1054

AREA: WATCH COMMAND

ITEM	QTY	DESCRIPTION	COST
------	-----	-------------	------

MISCELLANEOUS

6.	1	Control system shall be connected to Unswitched power and shall be provided with a power line conditioner.	<u>\$ 625</u>
----	---	--	---------------

AMERICAN POWER CONVERSION (APC) LINE-R 1250**ALTERNATES**

7.	1	<u>Deduct:</u> Active matrix color touch screen control panel, LCD control panel.	<u>\$ 3,750</u>
----	---	--	-----------------

8.	1	<u>Add:</u> PC based control system software and hardware, to allow system control from a local PC.	<u>\$ 1,000</u>
----	---	--	-----------------

AMX CONTROL SYSTEM QUOTE # MAS98D01ER
CRESTRON CONTROL SYSTEM QUOTE #1054

The following equipment shall be furnished by the A/V Contractor, and installed by others:

9.	10	Ceiling back boxes and grills for Atlas/Soundolier ceiling speakers.	<u>\$ 263</u>
----	----	--	---------------

ATLAS/SOUNDOLIER E-410 ENCLOSURE
ATLAS/SOUNDOLIER 51-4 GRILLE

10.	8	Ceiling mount hardware for 29" monitors	<u>\$ 3,000</u>
-----	---	---	-----------------

PIVOTELLI OR APPROVED EQUAL

AREA: PRESS ROOM

ITEM	QTY	DESCRIPTION	COST
------	-----	-------------	------

DISPLAY SYSTEMS

1.	2	Video/Data Monitor, 37", minimum display resolution 1280 X 1024 resolution, autoscanning, RS232 control.	<u>\$16,318</u>
----	---	---	-----------------

VIDEO SYSTEM

2.	1	Videocassette player/recorder, ½" S-VHS, rackmounted SONY SVO-1620	<u>\$ 763</u>
----	---	---	---------------

AUDIO SYSTEMS

3.	1	Single channel power amplifier, 60 watts into an 8 ohm load, 70 volt, include input modules and rack mounts as necessary. TOA P906MKII	<u>\$ 500</u>
4.	12	Four (4") ceiling speakers, with integral transformer. ATLAS/SONDELIER FC104/T47	<u>\$ 315</u>
5.	1	Lectern gooseneck microphone, with shock mount. CROWN LM300-A	<u>\$ 219</u>

AREA: PRESS ROOM

ITEM	QTY	DESCRIPTION	COST
<u>CONTROL</u>			
6.	Lot	RF wireless handheld LCD control panel. Master card frame, interface modules, relay cards, IR/serial interfaces, control cables, power supplies, etc., system programming to perform all control functions as required. Nomenclature to be coordinated with client/operator Include analog modem (56kbs) for remote diagnostics.	<u>\$ 2,969</u>
AMX CONTROL SYSTEM QUOTE # MAS98D01ER CRESTRON CONTROL SYSTEM QUOTE #1054			
<u>MISCELLANEOUS</u>			
7.	1	Control system shall be connected to Unswitched power and shall be provided with a power line conditioner.	<u>\$ 625</u>
AMERICAN POWER CONVERSION (APC) LINE-R 1250			
8.	LOT	Miscellaneous hardware, switches, relays panels, connectors, cabling, lamps, terminal blocks, wall plates, etc., necessary to insure a complete and operating system:	<u>\$ 2,500</u>
CUSTOM BY AV CONTRACTOR			
9.	LOT	Fiber distribution system, includes broadcast quality video and balanced line level audio, with intercom. Miscellaneous hardware, switches, relays panels, connectors, cabling, lamps, terminal blocks, wall plates, etc., necessary to insure a complete and operating system.	<u>\$147,000</u>
FORCE QUOTE #Q80406MA			
10.	3	Audio distribution amplifiers, 1 X 20, balanced configuration.	<u>\$ 2,288</u>
SIGMA ELECTRONICS ADA-210			
11.	1	Rack for fiber transceivers/modulators, to be sized by AV contractor	<u>\$ 1,250</u>
MIDDLE ATLANTIC			

AREA: PRESS ROOM

ITEM	QTY	DESCRIPTION	COST
12.	1	Wall mounted rack for fiber transceivers/modulators, and connection panels, 22" deep.	<u>\$ 625</u>
MIDDLE ATLANTIC DWR SERIES			
The following equipment shall be furnished by the A/V Contractor, and installed by others:			
13.	12	Ceiling back boxes and grills for Atlas/Soundolier ceiling speakers.	<u>\$ 285</u>
ATLAS/SOUNDOLIER EZ96-4X ENCLOSURE			
ATLAS/SOUNDOLIER 51-4 GRILLE			
14.	2	Floor boxes, for carpeted concrete floor, with lift off full access door and fold back cable exit; 3" depth.	<u>\$ 1,000</u>
FSR FL-500P FLOOR BOX			
15.	2	Ceiling mount brackets for 37" ceiling mounted monitors, with VCR tray.	<u>\$ 1,000</u>
PIVOTELLI OR APPROVED EQUAL			
16.	1	Ceiling mounted screen, with tab-tensioned system; viewing area is . 72" high X 96" wide, with low voltage interface.	<u>\$ 3,750</u>
STEWART MODEL A			

AREA: PIU/TRAINING ROOM

ITEM	QTY	DESCRIPTION	COST
<u>PROJECTION/DISPLAY SYSTEMS</u>			
1.	1	Video/Data Projector, reflective LCD, high light output, multi-frequency input, native 1024 X 768 resolution, RS232 control, with lens, complete with spare lamps. SHARP XG-3000	<u>\$10,750</u>
2.	LOT	Ceiling mount hardware. CUSTOM BY AV CONTRACTOR	<u>\$ 250</u>
3	2	Video/Data Monitor, 37", minimum display resolution 1280 X 1024 resolution, autoscanning, RS232 control. NEC MULTISYNC XP37 PLUS (XP3790)	<u>\$18,250</u>
<u>VIDEO SYSTEM</u>			
4	1	Matrix switcher, 12 X 8 (200 Mhz) with 12 X 8 stereo audio, complete with break-away switching, local control panel, RS232 control, rackmounted. EXTRON CROSSPOINT 128HVA	<u>\$ 5,625</u>
5.	2	Universal Analog RGBS computer interface, with digital controls, complete with the monitor breakout cables and RGBS extension cables as required. EXTRON RGB 300 EXTRON RGBS EXTENSION CABLES EXTRON MBC-SVGA 26-162-01	<u>\$ 2,125</u>
6.	1	Videocassette player/recorder, 1/2" S-VHS, rackmounted SONY SVO-1620 MIDDLE ATLANTIC RACK MOUNT	<u>\$ 763</u>

AREA: PIU/TRAINING ROOM

ITEM	QTY	DESCRIPTION	COST
7.	1	Scan doubler, with minimum three (3) video/s-video inputs, with audio follow video, multiple format output, RS-232 control, rack mountable.	<u>\$ 2,813</u>

EXTRON SYSTEM 4LDex**AUDIO SYSTEMS**

8.	1PR	Program audio speakers, with internal crossover, mirror image matched left & right, magnetically shielded, with surface mount hardware.	<u>\$ 938</u>
----	-----	---	---------------

**EASTERN ACOUSTIC WORKS JF-50S
OMNIMOUNT SERIES 75 WALL MOUNT**

9.	2	Dual channel amplifier, 2 X 110 watts into an 8 ohms load, rackmountable.	<u>\$ 1,250</u>
----	---	---	-----------------

CROWN CT-210

10.	1	Single channel power amplifier, 60 watts into an 8 ohm load, 70 volt, include muteable input modules and rack mounts as necessary.	<u>\$ 500</u>
-----	---	--	---------------

TOA A906MKII

11.	1	Matrix audio mixer, with presets, RS-232 control; rack mountable.	<u>\$ 2,125</u>
-----	---	---	-----------------

TOA DX-0808

12.	1	Audio cassette player/recorder with rackmount	<u>\$ 813</u>
-----	---	---	---------------

TASCAM 112

13.	1	Wireless diversity lavalier microphone system, cardioid pick up pattern, with rack mounted receiver.	<u>\$ 1,000</u>
-----	---	--	-----------------

LECTROSONICS DLS W/M150

AREA: PIU/TRAINING ROOM

ITEM	QTY	DESCRIPTION	COST
14.	1	Lectern gooseneck microphone, with shock mount. CROWN LM300-A	<u>\$ 219</u>
15.	1	Single channel graphic equalizer, rack mountable, with security cover. RANE ME 30B	<u>\$ 313</u>
16.	1	Dual channel graphic equalizer, rack mountable, with security cover. RANE ME 15B	<u>\$ 320</u>
17.	6	Four (4") ceiling speakers, with integral transformer. ATLAS/SONDELIER FC104/T47	<u>\$ 158</u>

CONTROL

18.	Lot	Active matrix color touch screen control panel, portable, RF wireless handheld LCD control panel. Master card frame, interface modules, relay cards, IR/serial interfaces, control cables, power supplies, etc., system programming to perform all control functions as required. Nomenclature to be coordinated with client/operator Include analog modem (56kbs) for remote diagnostics.	<u>\$ 7,669</u>
-----	-----	--	-----------------

AMX CONTROL SYSTEM QUOTE # MAS98D01ER
CRESTRON CONTROL SYSTEM QUOTE #1054

AREA: PIU/TRAINING ROOM

ITEM	QTY	DESCRIPTION	COST
------	-----	-------------	------

MISCELLANEOUS

19.	1	Control system shall be connected to Unswitched power and shall be provided with a power line conditioner.	\$ 625
-----	---	--	--------

AMERICAN POWER CONVERSION (APC) LINE-R 1250

20.	1	Rack auxiliary input/output panel	\$ 188
-----	---	-----------------------------------	--------

CUSTOM BY AV CONTRACTOR

21.	2	Equipment rack, black, with vents, blank panels, locking back door, rack shelves, fans and power strips required to complete installation.	\$ 2,500
-----	---	--	----------

**MIDDLE ATLANTIC MRK 44-26
ALL ACCESSORIES AS REQUIRED**

21.	LOT	Miscellaneous hardware, switches, relays panels, connectors, cabling, lamps, terminal blocks, wall plates, etc., necessary to insure a complete and operating system.	\$ 625
-----	-----	---	--------

CUSTOM BY AV CONTRACTOR

The following equipment shall be furnished by the A/V Contractor, and installed by others:

22.	1	Electric projection screen with low-voltage control, tab tensioned,; viewing area 72"high by 96"wide.	\$ 3,750
-----	---	---	----------

STEWART FILMSCREEN MODEL A

23.	6	Ceiling back boxes and grills for Atlas/Soundolier ceiling speakers.	\$ 158
-----	---	--	--------

**ATLAS/SOUNDOLIER E-410 ENCLOSURE
ATLAS/SOUNDOLIER 51-4 GRILLE**

24.	2	Ceiling mount brackets for 37" ceiling mounted monitors.	\$ 1,000
-----	---	--	----------

PIVOTELLI OR APPROVED EQUAL

AREA: HEAD END SYSTEM

ITEM	QTY	DESCRIPTION	COST
<u>VIDEO SYSTEM</u>			
1	7	Video tuner, cable ready, RS232 control, rackmounted. SONY SONY TU-1042	<u>\$ 3,500</u>
2.	7	Scan doubler, with minimum three (3) video/s-video inputs, with audio follow video, multiple format output, RS-232 control, rack mountable. EXTRON SYSTEM 4LDex	<u>\$ 19,688</u>
3.	LOT	Video matrix switch, framed for 144 X 144, sub-populated to 144 X 80, local control panel, RS232 control, rackmounted.. PESA QUOTE #9804027BH	<u>\$102,500</u>
4.	LOT	Head end/RF distribution system, for ninety channel system, expandable. Include all signal processors, modulators, amplifiers, taps, etc. to make a complete and working system. BLONDER TONGUE QUOTE #98721	<u>\$109,385</u>
5.	1	Verification/quality monitor, 19" display, rackmountable. SONY PVM-20N1U W/SLR-103A RAIL KIT	<u>\$ 1,063</u>
6.	10	Equipment rack, black, with vents, blank panels, locking back door, plexi-glas front door, rack shelves, fans and power strips required to complete installation. MIDDLE ATLANTIC MRK 44-26 ALL ACCESSORIES AS REQUIRED	<u>\$ 11,250</u>

2192064
167064

2025000

SECTION VII

RECAPITULATION

MASTER RECAPITULATION OF COST

ROOM	EQUIPMENT	ENGINEERING	PRE-INSTALL.	INSTALL	TAX	G&A	SUB TOTAL
Emergency Operations Center	\$ 736,449	\$ 43,040	\$ 27,440	\$ 96,984	\$ 76,687	\$ 25,624	\$1,006,224
Mayor's Conference Room	\$ 148,044	\$ 11,050	\$ 7,800	\$ 24,371	\$ 16,306	\$ 6,380	\$ 213,951
Mayor's Suite							
	\$ 26,365	\$ 1,105	\$ 780	\$ 2,435	\$ 2,584	\$ 638	\$ 33,907
Commissioner's Suite							
	\$ 53,643	\$ 4,420	\$ 3,120	\$ 9,750	\$ 6,063	\$ 2,552	\$ 79,548
Watch Command							
	\$ 70,964	\$ 5,525	\$ 3,900	\$ 12,186	\$ 7,901	\$ 3,190	\$ 103,666
Press Room							
	\$ 181,407	\$ 13,260	\$ 9,360	\$ 29,245	\$ 19,877	\$ 7,656	\$ 260,805
PIU/Training Room							
	\$ 64,727	\$ 4,420	\$ 3,120	\$ 9,750	\$ 6,977	\$ 2,552	\$ 91,546
Head End/RF Distribution							
	\$ 247,386	\$ 27,680	\$ 22,480	\$ 58,994	\$ 30,669	\$ 15,208	\$ 402,417
Total	\$ 1,528,985	\$ 110,500	\$ 78,000	\$ 243,715	\$ 167,064	\$ 63,800	\$2,192,064

SMW #5149

A/C VISUAL EQUIPMENT

11130-60

May 4, 1998
100% CD

MASTER RECAPITULATION OF COST (continued)

Service Contract (2 nd Year)	\$ 8,900
Hourly Rate	\$ 95
O.T. Rate	\$ 143
Emergency Rate:	\$ 95

(End of Section VII)

SMW #5149	11130-61	May 4, 1998
AUDIOVISUAL EQUIPMENT		100% CD