



CITY OF PLAINFIELD

OFFICE OF THE CITY ADMINISTRATOR
CITY HALL ANNEX
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PLAINFIELD, NEW JERSEY 07060
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Marc D. Dashield
City Administrator

-INTEROFFICE MEMORANDUM-

TO: City Council

FROM: Marc D. Dashield, City Administrator


DATE: November 16, 2007

SUBJECT: Avaya Telephone System

Attached please find additional back up material concerning the Avaya telephone system purchase. Please note that the telephone system pricing list does not include the state contract discount. The total cost of the telephone system equipment is \$353,000.00. Further, you will find a scope of work for the wiring proportion of the project. The cost list on this scope of work has been reduced from \$181,000.00 to \$174,000.00.

The completion of this work will provide the city a total network infrastructure that will carry both voice and data over its network.

Thank you in advance for your cooperation.



Marc D. Dashield
City Administrator

An Office Solutions' Proposal for the City of Plainfield:

SCOPE OF WORK

Category 6 Lines – City Hall & Annex Building

- Install a total of 180 Category 6 PVC lines in City Hall and the Annex Building.
- Install one Category 6 cable to 180 workstation locations.
- Install non-metallic raceway to hide all lines.
- The lines will terminate at the workstations to Category 6 jacks mounted in surface boxes.
- The lines will terminate in the MDFs/IDFs to 24-port Category 6 patch panels.
- Provide the necessary floor and wall penetrations. Penetrations will be sealed upon completion.
- All lines will be certified to Category 6 specifications.
- We will provide one 3-foot and one 10-foot Category 6 patch cord for each line installed.

The cost to install the Category 6 cables (including terminations, surface raceway, penetrations, patch cords and testing) is \$75,670

Category 6 Lines – Police Dep't. & Fire Dep't.

- Install a total of 200 Category 6 lines in the Police Department (plenum cable) and the Fire Department (PVC cable).
- In the Police Department the lines will be run above the drop ceiling and will drop down the exterior of the wall in non-metallic raceway. In the Fire Department we will install non-metallic raceway to hide all lines.
- The lines will terminate at the workstations to Category 6 jacks mounted in surface boxes.
- The lines will terminate in the MDFs/IDFs to 24-port Category 6 patch panels.
- Provide the necessary floor and wall penetrations. Penetrations will be sealed upon completion.
- All lines will be certified to Category 6 specifications.
- We will provide one 3-foot and one 10-foot Category 6 patch cord for each line installed.

The cost to install the Category 6 cables (including terminations, surface raceway, penetrations, patch cords and testing) is \$63,760.

MDF/IDFs

- We will establish a communications closet on each floor of City Hall (basement, 1st, 2nd and 3rd floors), the Annex Building (1st, 2nd and 3rd floors), the Police Department (1st, 2nd and 3rd floors) and one in the Fire Department (2nd floor). In the Annex Building we will provide the cabinet for the MDF.
- We will install eleven wall-mount cabinets on plywood backboards. The cabinets measure 38 9/16" H (18 space) x 22' D.
- The Township will be responsible for arranging for the necessary electric.

The cost to provide and install the cabinets is \$14,550.

Voice Backbone

- Install a 200-pair Category 3 voice backbone cable from the telephone demarc in the basement of the Annex Building to the 4th floor MDF in the Annex Building.
- The cable will be terminated to 66-blocks at each end.
- WESC is not responsible for cross-connecting the cable.

The cost to install the 200-pair cable in the Annex Building is \$11,250.

50-Pair Cable – Police Department:

- Install 50-pair Category 3 cables from the 3rd floor IDF to the 2nd floor IDF and then to the 1st floor IDF in the Police Department.
- The cables will terminate in each closet to 66-blocks.
- WESC will provide the cross-connects between 50-pair cables.

The cost to install the 50-pair cables is \$4,600.

Additional Items

100-Pair Cable:

- Install a 100-pair Category 3 voice backbone cable from the MDF in the basement of City Hall to the 4th floor MDF in the Annex Building.

- Between the City Hall MDF and the basement of the Annex Building the 100-pair will be an outdoor rated cable (the cable has a limitation of a maximum of 50 feet indoors). We will terminate the cable at each end using 66-blocks with lightning protection. The lightning protectors will be grounded to building steel or a cold water pipe.
- We will continue the 100-pair cable run to the 4th floor MDF in the Annex Building by installing a 100-pair indoor rated cable.
- The cable will be terminated to 66-blocks at each end.
- The cross-connects between the indoor and outdoor 100-pair cables will be provided.

The cost to install the 100-pair cables is \$13,050.

50-Pair Cable:

- Install 50-pair Category 3 cables from the 3rd floor IDF to the 2nd floor IDF and then to the 1st floor IDF in City Hall. Install 50-pair Category 3 cables from the 4th floor MDF to the 3rd floor IDF, then to the 2nd floor IDF and then to the 1st floor IDF in the Annex Building.
- The cables will terminate in each closet to 66-blocks.
- The cross-connects between 50-pair cables will be provided.

The cost to install the 50-pair cables is \$9,700.

Terms

WESC requires a deposit of 35% upon acceptance of this proposal. We will invoice for a progress payment of 35% when the job is approximately 50% completed. The remaining balance will be due upon receipt of a final invoice at the completion of the job.

Quoted rates are based upon advertised prevailing wage rates per Department of Labor web site and are subject to change in the future at time of purchase. Client is responsible for any difference between this quote and DOL mandated wage increases.

Terms & Conditions

Unless otherwise noted in the proposal, the following terms and conditions apply:

- This proposal is limited to installation of the indicated materials only in accordance with the "Scope of Work".
- This proposal includes the materials indicated and the labor required to install these materials.
- All installed materials include a 1 year warranty against defective manufacturing of the materials and against improper installation of the materials. No other warranty is expressed or implied.
- Pricing is based upon a normal workday with available working hours of 7:00 AM to 5:00 PM Monday through Friday.
- This proposal assumes our crew(s) will have access to all areas requiring cable installation during the available work hours.
- Delays due to site closings, limited access, changes to the scope of work, or other events which in effect are the fault of the customer (and are not the fault of Installation Company) will be billed to the customer at the rate of \$95.000 per hour per installer at the job site.
- This proposal is based on continuous work for all sections or segments of the project. If this condition is not adhered to, customer may choose to either pay downtime (as outlined in previous paragraph), or pay a crew remobilization fee equal to actual crew travel and man-hour costs.
- Should this project be delayed once commenced (at no fault of Installation Company) and the delay will be longer than two weeks, customer agrees to provide full payment for work performed up to the point work ceased. Installation Company will provide an invoice indicating the work completed to the point work ceased.
- This proposal assumes that the customer will provide all permits required to perform the work.
- This proposal assumes there are no unusual local safety or zoning requirements.
- If Installation Company is required to attend construction meetings or provide other periodic reports, this activity will be billed at \$95.00 per hour. This rate applies to time at the meetings, travel to and from the meetings, and for preparation of the materials.
- This quote is valid for 90 days from the date of issue.
- This proposal is based upon non-union labor and does contemplate prevailing wage rates. If union labor is required, the price will have to be adjusted. Customer understands and agrees that the price adjustment for prevailing wage rates will occur at anytime (now or in the future) it is determined that prevailing wage is required.

Installation Procedures

Drop Ceiling with Drywall, Cinder Block, or Concrete Walls

- We will install the cable horizontally through the drop ceiling. We will support the cable above the drop ceiling utilizing the building structural joists or other acceptable methods.
- We will install the cable vertically through the drywall (if hollow) if possible and terminate to a flush mount jack. The flush mount jack will be attached to a mud ring (i.e. caddy fastener or similar device).
- If the vertical wall is not accessible, we will install plastic wire duct along the outside of the wall and terminate the cable with a surface mount jack.

Solid Ceiling (Acoustic Tile, Plaster, Drywall, Concrete)

- We will install the cable horizontally through the use of wire duct (either plastic or metal) installed along the wall near as possible to the ceiling.
- We will install the cable vertically through the drywall (if hollow) if possible and terminate to a flush mount jack. The flush mount jack will be attached to a mud ring (i.e. caddy fastener or similar device).
- If the vertical wall is not accessible, we will install plastic wire duct along the outside of the wall and terminate the cable with a surface mount jack.

Warehouse

- Assumes an open ceiling (open to the structural ceiling). A scissor lift (or other device) capable of safely elevating our installers to the warehouse ceiling may be required.

Drill Holes through Concrete or Cinder Block

- Installation Company will not be responsible for damage to any concealed electrical lines or pipes buried in concrete or cinder block unless the customer provides documentation indicating the precise location of the concealed items prior the start of the job.

Definitions

Backbone/feeder	Cable that allows communication amongst different closets.
Closet/ Communications Closet	Location in which cables from multiple workstations are terminated. Can be used for data, voice, or both.
Category 5	Twisted pair cable capable of data transmission of up to 100 Mbps and 100 MHz. Primarily 4 pair cable.
Category 3	Twisted pair cable capable of data transmission up to 10 Mbps. Available as 2,3,4, 25, 50, 100 + pairs.
PVC	Cable made using PVC jacket is not suitable for installation in a return air plenum.
Plenum	Cable made using a plenum jacket is suitable for installation in a return air plenum.
Continuity Test	A test to ensure the conductors are passing a current.
Certification Test	A test that ensures the cable is performing in accordance with the specifications of the EIA/TIA 568A.
Patch Panels	Our patch panels are category 5 compliant with RJ45 female jacks at front and 110 terminations at rear (unless otherwise noted).
Termination Block	Our terminations blocks are category 5 compliant. They can be 110, bix, or 66 style terminations. They are primarily used for voice transmission. They are available for 25, 50, 100, 300 pair terminations.
Patch Panel Bracket	A "U" shaped metal bracket with a hinge. The bracket mounts on a wall. The patch panel mounts on the bracket. Available for 24, 48, 96 port patch panels.
Rack	An aluminum device that stands on the floor with 19" mounting holes. Can be used to support patch panels, hubs and other electrical devices. Also available in steel. Available in silver (metal finish) or black. Shelves (i.e. monitor, keyboard, CPU) and other items are available for the rack.
Wall Mount Cabinet***	A three section metal cabinet. Rear section mounts to a wall. Middle section has 19" adjustable rack for mounting patch panel and electronic equipment. Front section can have Plexiglas or metal door. Sides of cabinet are louvered to all for ventilation. Standard color is black (but other colors can be ordered with three or more week's lead-time). Front door and middle section has locks, which require a key to open. Available either 24" or 48" high. Center section available either 10" or 14" deep. Fans to circulate air are also available.
Floor Mount Cabinet ***	Has front and rear locking doors. Front door can be Plexiglas or solid. Available in different height, width, and depth. We recommend the 78"H x 26"W x 32"D. Fans to circulate air are available.
Power Pole	A device used to allow installation of cable from the ceiling to work areas in the middle of a room. This is typically used when cable cannot be brought vertically down a wall or column to reach the work area.

Wire Duct

Can be metal or plastic. It is a channel through which cable can be installed. The channel can be mounted to a wall or other surface. The channel provides protection of the cable and is more aesthetically appealing.

When a cabinet is installed, we recommend an electrician install a 120V AC line directly inside the cabinet. This increases the security of the electronics within the cabinet.

TELEPHONE EQUIPMENT LIST

One Time Pricing

Hierarchy	Product Code	Qty	Description	Location
1.4.1	700315096	1	Avaya POWERPASS DIST MOD L5-30	Annex
1.4.2	700404627	1	UPS ONLINE 8KVA RK MT, 208-240V RHS	Annex
1.4.3	700404726	1	UPS EXT BATTERY MOD FOR 6000VA RHS	Annex
1.4.4	700404734	3	UPS 4-POST RAIL KIT FOR 6000VA RHS	Annex
1.4.5	700434798	1	UPS ENVIRONMENTAL PROBE	Annex
1.4.31	408357077	1	PWR BYP DIST MOD 120V 700-1500VA	IDF 1 Annex
1.4.32	700290273	1	S9RM MODEL 1000VA 120V W/SNMP	IDF 1 Annex
1.4.33	700404411	1	UPS EXT BAT MOD W/700-1000VA RHS	IDF 1 Annex
1.4.34	700404502	2	UPS 4-POST RK MT KIT W/700-2KVA RHS	IDF 1 Annex
1.4.35	700434798	1	UPS ENVIRONMENTAL PROBE	IDF 1 Annex
1.4.36	408357077	1	PWR BYP DIST MOD 120V 700-1500VA	IDF 2 Annex
1.4.37	700290273	1	S9RM MODEL 1000VA 120V W/SNMP	IDF 2 Annex
1.4.38	700404411	1	UPS EXT BAT MOD W/700-1000VA RHS	IDF 2 Annex
1.4.39	700404502	2	UPS 4-POST RK MT KIT W/700-2KVA RHS	IDF 2 Annex
1.4.40	700434798	1	UPS ENVIRONMENTAL PROBE	IDF 2 Annex
1.4.6	181588	1	PWR UPS 3000VA LV W/PDM	City Hall
1.4.7	700404577	1	UPS EXT BAT MOD FOR 3000VA RHS	City Hall
1.4.8	700404593	3	UPS 4-POST RK MT RAIL KT W/3KVA RHS	City Hall
1.4.9	700434798	1	UPS ENVIRONMENTAL PROBE	City Hall
1.4.41	194384	1	UPS ONLINE 1500VA W/SNMP/RAIL, 120V	IDF 1 City Hall
1.4.42	408357077	1	PWR BYP DIST MOD 120V 700-1500VA	IDF 1 City Hall
1.4.43	700404429	1	UPS EXT BAT MOD W/1500-2KVA RHS	IDF 1 City Hall
1.4.44	700404502	1	UPS 4-POST RK MT KIT W/700-2KVA RHS	IDF 1 City Hall
1.4.45	700434798	1	UPS ENVIRONMENTAL PROBE	IDF 1 City Hall
1.4.46	408357077	1	PWR BYP DIST MOD 120V 700-1500VA	IDF 2 City Hall
1.4.47	700290273	1	S9RM MODEL 1000VA 120V W/SNMP	IDF 2 City Hall
1.4.48	700404411	1	UPS EXT BAT MOD W/700-1000VA RHS	IDF 2 City Hall
1.4.49	700404502	2	UPS 4-POST RK MT KIT W/700-2KVA RHS	IDF 2 City Hall
1.4.50	700434798	1	UPS ENVIRONMENTAL PROBE	IDF 2 City Hall
1.4.21	194384	1	UPS ONLINE 1500VA W/SNMP/RAIL, 120V	Fire Department
1.4.22	408357077	1	PWR BYP DIST MOD 120V 700-1500VA	Fire Department
1.4.23	700404429	1	UPS EXT BAT MOD W/1500-2KVA RHS	Fire Department
1.4.24	700404502	1	UPS 4-POST RK MT KIT W/700-2KVA RHS	Fire Department
1.4.25	700434798	1	UPS ENVIRONMENTAL PROBE	Fire Department

* Prices do not include state contract discount

TELEPHONE EQUIPMENT LIST

1.4.26	408357077	1	PWR BYP DIST MOD 120V 700-1500VA	FD Sub Station
1.4.27	700290273	1	S9RM MODEL 1000VA 120V W/SNMP	FD Sub Station
1.4.28	700404411	1	UPS EXT BAT MOD W/700-1000VA RHS	FD Sub Station
1.4.29	700404502	2	UPS 4-POST RK MT KIT W/700-2KVA RHS	FD Sub Station
1.4.30	700434798	1	UPS ENVIRONMENTAL PROBE	FD Sub Station
1.4.10	408357093	1	PWR BYP DIST MOD 120V 2000VA	Police
1.4.11	700019300	1	PWR UPS EXT 2000VA SERIES 1 20 AMP	Police
1.4.12	700404429	2	UPS EXT BAT MOD W/1500-2KVA RHS	Police
1.4.13	700404502	3	UPS 4-POST RK MT KIT W/700-2KVA RHS	Police
1.4.14	700404759	1	UPS UNIVERSAL SNMP CARD RHS	Police
1.4.15	700434798	1	UPS ENVIRONMENTAL PROBE	Police
1.4.51	408357077	1	PWR BYP DIST MOD 120V 700-1500VA	IDF 1 Police
1.4.52	700290273	1	S9RM MODEL 1000VA 120V W/SNMP	IDF 1 Police
1.4.53	700404411	1	UPS EXT BAT MOD W/700-1000VA RHS	IDF 1 Police
1.4.54	700404502	2	UPS 4-POST RK MT KIT W/700-2KVA RHS	IDF 1 Police
1.4.55	700434798	1	UPS ENVIRONMENTAL PROBE	IDF 1 Police
1.4.56	408357077	1	PWR BYP DIST MOD 120V 700-1500VA	IDF 2 Police
1.4.57	700290273	1	S9RM MODEL 1000VA 120V W/SNMP	IDF 2 Police
1.4.58	700404411	1	UPS EXT BAT MOD W/700-1000VA RHS	IDF 2 Police
1.4.59	700404502	2	UPS 4-POST RK MT KIT W/700-2KVA RHS	IDF 2 Police
1.4.60	700434798	1	UPS ENVIRONMENTAL PROBE	IDF 2 Police
1.4.16	408357077	1	PWR BYP DIST MOD 120V 700-1500VA	Narcotics
1.4.17	700290273	1	S9RM MODEL 1000VA 120V W/SNMP	Narcotics
1.4.18	700404411	1	UPS EXT BAT MOD W/700-1000VA RHS	Narcotics
1.4.19	700404502	2	UPS 4-POST RK MT KIT W/700-2KVA RHS	Narcotics
1.4.20	700434798	1	UPS ENVIRONMENTAL PROBE	Narcotics

One Time Total

One Time Pricing

Hierarchy	Product Code	Qty	Description	Location
1	201251	1	IMPL SVCS PKG MODEL	
1.1.1	201166	6673	CIS CM NEW INSTL PKG PREMIUM	Annex
Installation				

* Prices do not include state contract discount

One Time Pricing

Hierarchy	Product Code	Qty	Description	Location
1.1	183443	1	CM S87XX MODEL	Annex
1.1.1	183545	1	S8710 SERVERS	Annex
1.1.2	187730	1	SFTW ENTITLEMENTS LIC	Annex
1.1.3	194384	2	UPS ONLINE 1500VA W/SNMP/RAIL, 120V	Annex
1.1.4	195250	1	IPSI2 CP TN23128P RHS	Annex
1.1.5	195251	2	C-LAN INTF CIRCUT PACK TN799DP RHS	Annex
1.1.6	195310	1	SWRM SNEAK FUSE RHS	Annex
1.1.7	195313	2	COMPACT FLASH READER W/FLSHCRD RHS	Annex
1.1.8	196616	1	CM4 S87XX SFTW LIC	Annex
1.1.9	196657	323	CM R4 251-500 NEW LIC	Annex
1.1.10	197949	1	CC R4.0 BASIC	Annex
1.1.11	201130	1	IM ASA VAM CLIENT CM LIC	Annex
1.1.12	201132	1	IM VMM CM LIC	Annex
1.1.13	203071	1	IP 320 MEDIA RESOURCE TN2602AP	Annex
1.1.14	205390	1	AAAN RFA ENABLE	Annex
1.1.15	205834	1	AAAN CM CNVRGD NET ANLYZR ENTITLET	Annex
1.1.16	405362641	4	PWR CORRD USA	Annex
1.1.17	405891698	1	PAGING UPAM KIT	Annex
1.1.18	700170012	4	CABLE GREEN 5 METER	Annex
1.1.19	700179056	1	CABLE GREEN 25 METER	Annex
1.1.20	700253214	1	IP SOFTCON R1.5 W/1 LIC SFTW CD-ROM	Annex
1.1.21	700393408	1	FACILITY TEST CP TN771DP RHS	Annex
1.1.22	700394471	2	CO TRUNK TN747B RHS	Annex
1.1.23	700394497	2	BUS TERMINATOR CP AHF110 RHS	Annex
1.1.24	700394729	1	24PT ANALOG LINE CP TN793CP RHS	Annex
1.1.25	700394794	1	DS1 INTFC TN464HP RHS	Annex
1.1.26	700394950	1	G650 MEDIA GATEWAY RHS	Annex
1.1.27	700397292	1	AVAYA C363T SWITCH RHS	Annex
1.1.28	700405020	2	USB MODEM V.92 56K RHS	Annex
1.1.29	700406127	1	ANALOG MUSIC ON HOLD INTF RHS	Annex
1.1.30	700415557	69	IP PHONE 1608 BLK	Annex
1.1.31	700415565	20	IP PHONE 1616 BLK	Annex
1.1.32	700417835	1	R4.0 ADMIN TOOLS INSTALL & UPG DOC	Annex
1.1.33	700417876	1	R4.0 VOIP MNTR MGMT INSTALL & UPG	Annex
1.1.34	700419419	1	ADMINISTRATION TOOLS 4.0 CD	Annex
1.1.35	700419435	1	VOIP MONITORING MANAGER 4.0 CD	Annex
1.1.36	700426729	1	IP PHONE 9630 CHARCOAL GRY	Annex
1.1.37	700426737	1	IP PHONE SBM24 BUTTON MOD GRY	Annex
1.1.38	700434897	1	1151D1 IP PHONE PWR W/CATS CBL	Annex
1.1.39	700438518	2	CM4 0.1 LINUX UNITY SFTW CD NEW SYS	Annex
1.1.40	202551	1	CM4 US DOCUMENTATION	Annex
1.1.80	196620	1	CM4 G700 LSP WO ENTERPRISE ED SFTW LIC	City Hall

* Price does not include state contract discount

1.1.81	405362641	1	PWR CORD USA	City Hall
1.1.82	700394737	1	MM710 E1/T1 MEDIA MODULE RHS	City Hall
1.1.83	700394984	1	G700 R4 AC/DC MEDIA GATEWAY RHS	City Hall
1.1.84	700395221	1	MM714 ANALOG 4+4 MEDIA MODULE RHS	City Hall
1.1.85	700405020	1	USB MODEM V.92 56K RHS	City Hall
1.1.86	700406267	1	S8300/S8400 CD/DVD ROM DRIVE RHS	City Hall
1.1.87	700407810	1	S8300C SERVER	City Hall
1.1.88	700438518	1	CM4.0.1 LINUX UNITY SFTW CD NEW SYS	City Hall
1.1.98	405362641	1	PWR CORD USA	City Hall
1.1.99	405891698	1	PAGING UPAM KIT	City Hall
1.1.100	700253214	1	IP SOFTCON R1.5 W/1 LIC SFTW CD-ROM	City Hall
1.1.101	700406127	1	ANALOG MUSIC ON HOLD INTF RHS	City Hall
1.1.102	700415557	49	IP PHONE 1608 BLK	City Hall
1.1.103	700415565	10	IP PHONE 1616 BLK	City Hall
1.1.104	700426729	1	IP PHONE 9630 CHARCOAL GRV	City Hall
1.1.105	700426737	1	IP PHONE SBM24 BUTTON MOD GRV	City Hall
1.1.106	700434897	1	1151D1 IP PHONE PWR W/CATS CBL	City Hall
1.2	700373541	12	SPKRPH SOUNDSTATION2EX - 110V FOR NA	City Hall
1.3	700373558	12	SPKRPH SOUNDSTATION2 MIC5	City Hall
1.1.59	196624	1	CM4 G350 LSP W/O ENTERPRISE ED SFTW LIC	FD Sub Station
1.1.60	405362641	1	PWR CORD USA	FD Sub Station
1.1.61	700394661	1	MM711 ANLG MEDIA MODULE RHS	FD Sub Station
1.1.62	700397078	1	G350 MEDIA GATEWAY VINTAGE D.1 RHS	FD Sub Station
1.1.63	700397094	1	MM314 24 PT POE EXP MEDIA MOD RHS	FD Sub Station
1.1.64	700405020	1	USB MODEM V.92 56K RHS	FD Sub Station
1.1.65	700406267	1	S8300/S8400 CD/DVD ROM DRIVE RHS	FD Sub Station
1.1.66	700407810	1	S8300C SERVER	FD Sub Station
1.1.67	700438518	1	CM4.0.1 LINUX UNITY SFTW CD NEW SYS	FD Sub Station
1.1.76	405891698	1	PAGING UPAM KIT	FD Sub Station
1.1.77	700406127	1	ANALOG MUSIC ON HOLD INTF RHS	FD Sub Station
1.1.78	700415557	5	IP PHONE 1608 BLK	FD Sub Station
1.1.79	700415565	1	IP PHONE 1616 BLK	FD Sub Station
1.1.51	196624	1	CM4 G350 LSP W/O ENTERPRISE ED SFTW LIC	Fire Department
1.1.52	405362641	1	PWR CORD USA	Fire Department
1.1.53	700395221	1	MM714 ANALOG 4+4 MEDIA MODULE RHS	Fire Department
1.1.54	700397078	1	G350 MEDIA GATEWAY VINTAGE D.1 RHS	Fire Department
1.1.55	700405020	1	USB MODEM V.92 56K RHS	Fire Department
1.1.56	700406267	1	S8300/S8400 CD/DVD ROM DRIVE RHS	Fire Department
1.1.57	700407810	1	S8300C SERVER	Fire Department
1.1.58	700438518	1	CM4.0.1 LINUX UNITY SFTW CD NEW SYS	Fire Department
1.1.72	405891698	1	PAGING UPAM KIT	Fire Department
1.1.73	700406127	1	ANALOG MUSIC ON HOLD INTF RHS	Fire Department
1.1.74	700415557	11	IP PHONE 1608 BLK	Fire Department
1.1.75	700415565	5	IP PHONE 1616 BLK	Fire Department

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1.1.41	196624	1	CM4 G350 LSP W/O ENTERPRISE ED SFTW LIC	Narcotics
1.1.42	405362641	1	PWR CORD USA	Narcotics
1.1.43	700394737	1	MM710 E1/T1 MEDIA MODULE RHS	Narcotics
1.1.44	700395221	1	MM714 ANALOG 4+4 MEDIA MODULE RHS	Narcotics
1.1.45	700397078	1	G350 MEDIA GATEWAY VINTAGE D.1 RHS	Narcotics
1.1.46	700397094	1	MM314 24 PT POE EXP MEDIA MOD RHS	Narcotics
1.1.47	700405020	1	USB MODEM V.92 56K RHS	Narcotics
1.1.48	700406267	1	S8300/S8400 CD/DVD ROM DRIVE RHS	Narcotics
1.1.49	700407810	1	S8300C SERVER	Narcotics
1.1.50	700438518	1	CM4.0.1 LINUX UNITY SFTW CD NEW SYS	Narcotics
1.1.68	405891698	1	PAGING UPAM KIT	Narcotics
1.1.69	700406127	1	ANALOG MUSIC ON HOLD INTF RHS	Narcotics
1.1.70	700415557	10	IP PHONE 1608 BLK	Narcotics
1.1.71	700415565	4	IP PHONE 1616 BLK	Narcotics
1.1.89	196620	1	CM4 G700 LSP W/O ENTERPRISE ED SFTW LIC	Police
1.1.90	405362641	1	PWR CORD USA	Police
1.1.91	700394737	1	MM710 E1/T1 MEDIA MODULE RHS	Police
1.1.92	700394984	1	G700 R4 AC/DC MEDIA GATEWAY RHS	Police
1.1.93	700395221	1	MM714 ANALOG 4+4 MEDIA MODULE RHS	Police
1.1.94	700405020	1	USB MODEM V.92 56K RHS	Police
1.1.95	700406267	1	S8300/S8400 CD/DVD ROM DRIVE RHS	Police
1.1.96	700407810	1	S8300C SERVER	Police
1.1.97	700438518	1	CM4.0.1 LINUX UNITY SFTW CD NEW SYS	Police
1.1.107	405362641	1	PWR CORD USA	Police
1.1.108	405891698	1	PAGING UPAM KIT	Police
1.1.109	700253214	1	IP SOFTCON R1.5 W/1 LIC SFTW CD-ROM	Police
1.1.110	700406127	1	ANALOG MUSIC ON HOLD INTF RHS	Police
1.1.111	700415557	104	IP PHONE 1608 BLK	Police
1.1.112	700415565	5	IP PHONE 1616 BLK	Police
1.1.113	700426729	1	IP PHONE 9630 CHARCOAL GRAY	Police
1.1.114	700426737	1	IP PHONE SBM24 BUTTON MOD GRAY	Police
1.1.115	700434897	1	1151D1 IP PHONE PWR W/CAT5 CBL	Police
1.18	108209016	1	TELSET 2500 MMGN-003 SGL LN RING VOL BLK	PD Sub One
1.19	700204050	1	CABLE CAT 5 (RJ45-RJ45) GRAY	PD Sub One
1.20	700387848	2	IP PHONE 1608 BLK	PD Sub One
1.21	700387855	1	ONE-X QE G10 GATEWAY 4PT US & CA	PD Sub One
1.22	700427164	1	ONE-X QE R3.0 MEDIA CD	PD Sub One
1.23	108209016	1	TELSET 2500 MMGN-003 SGL LN RING VOL BLK	PD Sub Two
1.24	700204050	1	CABLE CAT 5 (RJ45-RJ45) GRAY	PD Sub Two
1.25	700387848	2	IP PHONE 1608 BLK	PD Sub Two
1.26	700387855	1	ONE-X QE G10 GATEWAY 4PT US & CA	PD Sub Two
1.27	700427164	1	ONE-X QE R3.0 MEDIA CD	PD Sub Two

* Price does not include state contract discount

1.6	108209016	2	TELSET 2500 MMGN-003 SGL LN RING VOL BLK	Senior Citizens
1.7	700204050	1	CABLE CAT 5 (RJ45-RJ45) GRAY	Senior Citizens
1.8	700387830	1	IP PHONE 1616 BLK	Senior Citizens
1.9	700387848	7	IP PHONE 1608 BLK	Senior Citizens
1.10	700387855	1	ONE-X QE G10 GATEWAY 4PT US & CA	Senior Citizens
1.11	700427164	1	ONE-X QE R3.0 MEDIA CD	Senior Citizens
1.28	108209016	2	TELSET 2500 MMGN-003 SGL LN RING VOL BLK	Bilingual Daycare
1.29	700204050	1	CABLE CAT 5 (RJ45-RJ45) GRAY	Bilingual Daycare
1.30	700387830	1	IP PHONE 1616 BLK	Bilingual Daycare
1.31	700387848	5	IP PHONE 1608 BLK	Bilingual Daycare
1.32	700387855	1	ONE-X QE G10 GATEWAY 4PT US & CA	Bilingual Daycare
1.33	700427164	1	ONE-X QE R3.0 MEDIA CD	Bilingual Daycare
1.12	108209016	2	TELSET 2500 MMGN-003 SGL LN RING VOL BLK	City Yard
1.13	700204050	1	CABLE CAT 5 (RJ45-RJ45) GRAY	City Yard
1.14	700387830	1	IP PHONE 1616 BLK	City Yard
1.15	700387848	9	IP PHONE 1608 BLK	City Yard
1.16	700387855	1	ONE-X QE G10 GATEWAY 4PT US & CA	City Yard
1.17	700427164	1	ONE-X QE R3.0 MEDIA CD	City Yard

One Time Pricing One Time Total \$303,433

Hierarchy	Product Code	Qty	Description	Location
1.5	184048	1	MM MODEL	Annex
1.5.1	188916	1	MM SWITCH INTRGR AVAYA	Annex
1.5.2	188938	1	MM AVAYA SWITCH RFA QSIG WAIVER LIC:DS	Annex
1.5.3	190932	1	MM RFA ACTIVATION R3	Annex
1.5.4	201416	300	MM R3.1 LIC 1 ST VMBX NEW 251-500	Annex
1.5.5	201648	1	MM MAS APP LIC R3.1 AV STORE AND SVR	Annex
1.5.6	201649	1	MM MSS APP LIC R3.1 AVAYA SVR	Annex
1.5.7	700170053	1	TECH LAPTOP LAN X-OVER CBL 10FT	Annex
1.5.8	700402787	1	AM MONITOR FLT PNL US W/PWR CRD RHS	Annex
1.5.9	700403520	1	AM KEYBOARD US TYPE WITH MOUSE RHS	Annex
1.5.10	700403785	1	AM KVM SWITCH 2-PORT W/ CABLES RHS	Annex
1.5.11	700405020	1	USB MODEM V 92 56K RHS	Annex
1.5.12	700426190	1	MM R3.1 DOCUMENTATION	Annex
1.5.13	190933	1	MM MAS S3500 FACTORY ASSY	Annex
1.5.13.1	190934	1	MM MAS S3500 FAC ASSY OPT	Annex
1.5.13.2	700290836	1	AM SVR PWR CRD LIST 405	Annex
1.5.13.3	700376213	1	AM S3500 MAS MISC CMPTS KIT	Annex
1.5.13.4	700376528	1	AM WINDOWS 2003SAK LIC STRK AV SVR	Annex
1.5.13.5	700403793	1	AM S3500 MAS RHS	Annex

* Price does not include state contract discount

1.5.13.6	700403918	1	AM E1 CARD KIT RHS	Annex
1.5.13.7	700426158	1	MM MAS MED R3.1/OS AV STORE AV SVR	Annex
1.5.14	190935	1	MM MSS S3500 FACTORY ASSY	Annex
1.5.14.1	108736067	1	AM CP CYN23AP RMB US	Annex
1.5.14.2	190946	1	MM MSS S3500 FAC ASSY OPT	Annex
1.5.14.3	700290836	1	AM SRVR PWR CRD LIST 405	Annex
1.5.14.4	700376197	1	AM S3500 MSS MISC CMPPTS KIT US/CAN	Annex
1.5.14.5	700403801	1	AM S3500 MSS-STD AVAIL RHS	Annex
One Time Total				\$48,771

Software Support (Mandatory)

1.6	195375	1	SOFTWARE SUPPORT MESSAGING MODEL	Annex
One Time Total				\$3,600

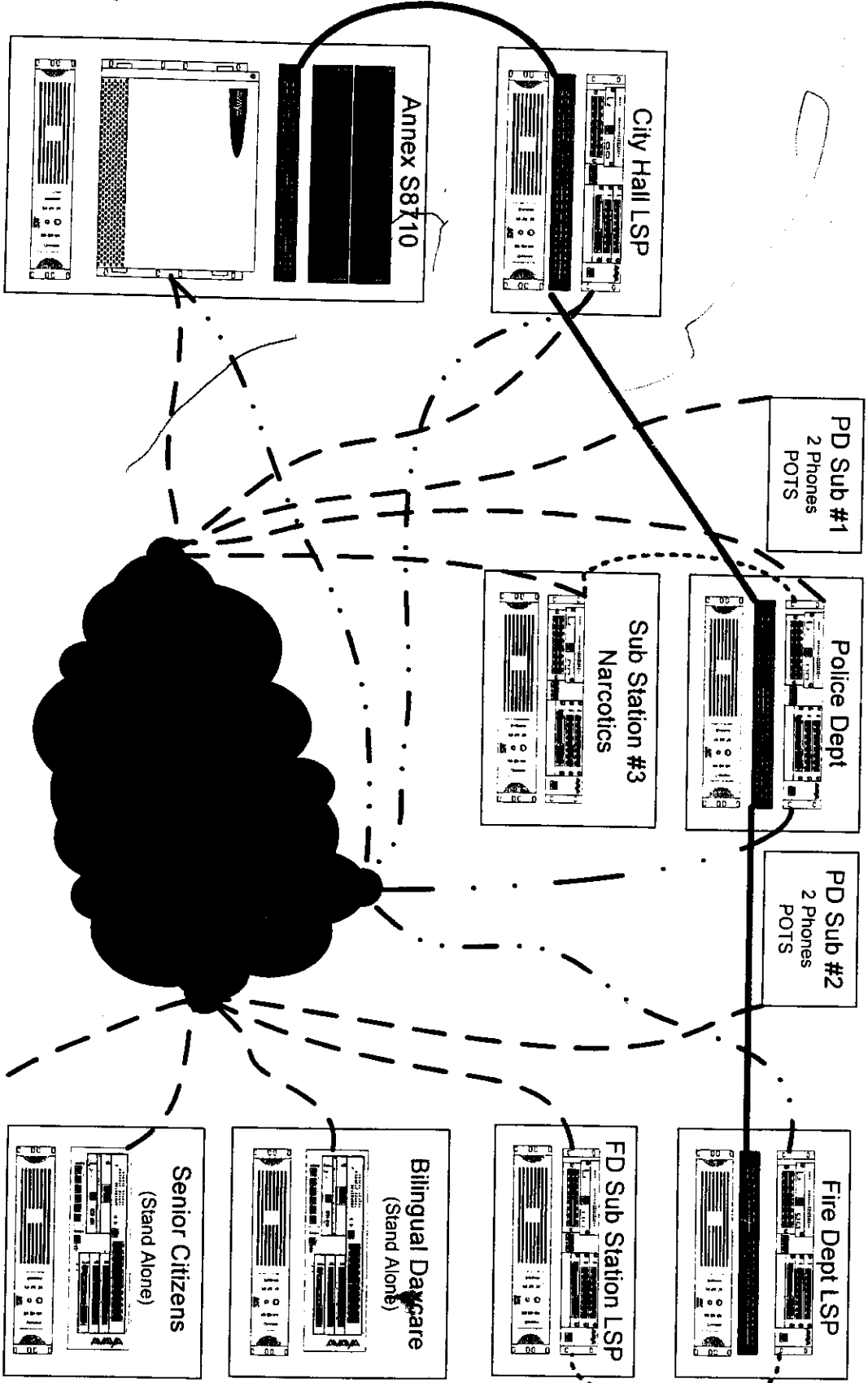
1st Year Software Support Billing
Total Contracted Software Services

One Time Pricing

Hierarchy	Product Code	Qty	Description	Location
1	201251	1	IMPL SVCS PKG MODEL	
1.1.1	201166	56352	CIS CM NEW INSTL PKG PREMIUM	Annex
Installation				\$56,352
Grand Total				\$412,156

* Price does not include state contract discount

Plainfield - Overall Voice/Data Network Design



Legend

- P2P Fiber ————
- POTS Line - - - - -
- PSTN PRI
- P2P T1 - - - - -