

MEMORANDUM
POLICE DEPARTMENT

TO: Thomas Thomas, City Manager

SUBJECT: 800 MHz / P25 Upgrade

NUMBER: 14-42

RE: RACOM Proposal

Date: 10/8/14

The Rock Island Police Department has received a proposal (Attachment) from RACOM regarding the emergency communications system upgrade in which we will transition from our current UHF / VHF system to an EDACS / Project 25 compliant 800 MHz trunked radio system. The EDACS 800 MHz system is the standardized platform for emergency communications within the Illinois / Iowa Quad Cities, with RACOM being the sole source provider.

The migration from VHF / UHF to EDACS 800 MHz will be completed in phases, with the Rock Island Fire Department switching to 800 MHz in 2014, while still maintaining UHF / VHF capabilities. The police department will follow in 2015 with a full switch over in conjunction with the new PSAP (Public Safety Answering Point) and Police Fleet.

The proposal from RACOM is in the amount of \$1,355,273.35. This will include all associated costs with bringing the new PSAP on-line, programming, testing, and support; and will also include, in part, the following equipment:

Fire Department

34 Portable Radios
15 Mobile Radios
4 Control Stations

Police Department

90 Portable Radios
37 Mobile Radios
1 Control Station

Not included in the proposal from RACOM are tactical headsets for use by the Police Department's Emergency Response Team. RACOM does not manufacture tactical headsets, therefore, they will need to be purchased from a third party vendor. The Police Department is estimating the costs for 25 tactical headsets at approximately \$25,000.00, based upon a recent quote from Atlantic Signal.

RECOMMENDATION:

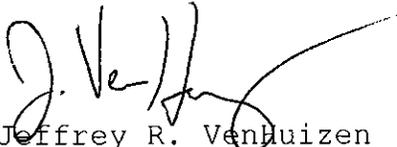
The Police Department recommends that the council approve the proposal from RACOM in the amount of \$1,355,273.35 and approve the future purchase of tactical headsets in an amount not to exceed \$25,000.00, for a total project cost of \$1,380,273.35 and authorize the City Manager to sign the RACOM proposal along with associated contract documents.

Vendor: RACOM Critical Communications
Payment Amount: \$1,355,273.35

Fund: **301**
Department: **414**
Cost Center: **226**
Object Code: **56402**
Project: **6233**

Vendor: TBD (Tactical Headsets)
Payment Amount: \$25,000.00

Fund: **301**
Department: **414**
Cost Center: **226**
Object Code: **56402**
Project: **6233**


SUBMITTED BY: Jeffrey R. Venhuizen
Chief of Police

APPROVED: Thomas Thomas
City Manager



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Proposal Prepared for: **ROCK ISLAND POLICE**

Address _____
 City ROCK ISLAND
 State & Zip Code ILLINOIS
 County ROCK ISLAND
 Phone/FAX _____
 Contact Name WAYNE SHARER
 Contact E-mail _____

POLICE EDACS P25 TRUNKING + P25 PHASE II + OTAP

ITEM	QTY	PART NO.	DESCRIPTION	UNIT	EXTENDED
1	80	EVXG-PB78B	PORTABLE, XG-75, 764-870 MHz, SCAN LIMITED KEYPAD PORTABLE	\$ 1,576.00	\$ 126,080.00
	90	MAEV-NPL3R	FEATURE, MAX (1,024+) SYSTEMS/GROUPS, INCL W/ ALL TRUNKED OR DIGITAL	\$ -	\$ -
	90	MAEV-NNC5X	ANTENNA, 764-870 MHz, 1/4 WAVE WHIP	\$ 34.00	\$ 3,060.00
	90	MAEV-PKGPT	FEATURE PKG, P25 TRUNKING	\$ 935.00	\$ 84,150.00
	90	EVXG-NPL4F	FEATURE P25 PHASE 2 TDMA	\$ 200.00	\$ 18,000.00
	180	HNPA9-LIP	BATTERY, LI-ION POLYMER, GTS, 3100 MAH	\$ 95.00	\$ 17,100.00
	90	MAEV-NCH9T	CHARGER, SINGLE, TRI-CHEMISTRY	\$ 102.00	\$ 9,180.00
	90	MAEV-NAE9D	SPKR MICROPHONE	\$ 114.75	\$ 10,327.50
	90	MAEV-NHC2C	CASE, LEATHER WITH BELT LOOP	\$ 51.00	\$ 4,590.00
	40	MAEV-NHC2G	BELT CLIP, STANDARD	\$ 17.00	\$ 680.00
	90	MAEV-NAE3Z	EARPHONE KIT AND EARPIECE	\$ 55.25	\$ 4,972.50
	10	EVXG-PF78B	PORTABLE, XG-75, 764-870 MHz, SYSTEM FULL KEYPAD PORTABLE	\$ 1,681.75	\$ 16,817.50
	90	EV-PRO	FEATURE PROVOICE	\$ 187.50	\$ 16,875.00
	90	MAEV-NPL5L	FEATURE PROFILE OVER THE AIR PROGRAMMING	\$ 212.00	\$ 19,080.00
	37	MAMW-SDMXX	XG-75M 764-870 MHz, HALF DUPLEX, UNENCRYPTED	\$ 1,840.00	\$ 68,080.00
	38	MAMW-NPL3R	FEATURE, MAX (1024+) SYSTEMS/GROUPS	\$ -	\$ -
	37	AN-125001-002	ANTENNA, BASE, STANDARD ROOF MOUNT LOW LOSS	\$ 68.00	\$ 2,516.00
	37	AN-225001-004	ANTENNA, ELEMENT, 700/800 2 Db low profile	\$ 51.00	\$ 1,887.00
	37	MAMW-PKGPT	FEATURE PKG, P25 TRUNKING	\$ 935.00	\$ 34,595.00
	38	MAMW-NPL5K	FEATURE PROFILE OVER-THE-AIR PERSONALITY PROGRAMMING	\$ 212.00	\$ 8,056.00
	37	MAMW-NCP9E	CONTROL UNIT, CH 721, SCAN, REMOTE MOUNT	\$ 612.00	\$ 22,644.00
	37	MAMW-NMC7Z	MICROPHONE, STANDARD, CH 721 CONTROL UNIT	\$ 68.00	\$ 2,516.00
	37	MAMW-NZN7R	ACCESSORIES, XG-75M REMOTE MOUNT	\$ 306.00	\$ 11,322.00
	128	A3	SPECIAL PROGRAMMING	\$ 100.00	\$ 12,800.00
	37	A7	REMOVAL - SPLIT MOUNT	\$ 140.00	\$ 5,180.00
	37	A2	SPLIT MOUNT INSTALL	\$ 500.00	\$ 18,500.00
	38	MW-PL4F	FEATURE P25 TRUNKING PHASE II	\$ 200.00	\$ 7,600.00
				Total Equipment Price	\$ 586,518.50
				Installation	\$ -
				Subtotal	\$ 586,518.50
				Taxes	\$ -
				Shipping	\$ 6,500.00
				Total	\$ 593,018.50

Terms of Purchase:

Tax Rate

System Description: EDACS EQUIPMENT FOR POLICE DEPARTMENT PORTABLES, MOBILES WITH ANTENNAS, PROGRAMMING AND INSTALLATION, 1EA CONTROL STATIONS WITH ANTENNAS, LNES, LIGHTING PROTECTION INSTALLED ADDING P25 PHASE II FEATURE AND OTAP FEATURE TO THIS QUOTE PLUS RADIO AND LINKER TO LINK PRESENT VARDA ALARMS TO THE 800MHZ SYSTEM

Proposal Presented By: Sam Fleege Senior Manager Technical Support

Date: 10-2014

Proposal Accepted By: _____

Date: _____



ITEM	QTY	Part No.	DESCRIPTION	UNIT	EXTENDED
	1	MAMW-SDMXX	XG-75M 764-870 MHz, HALF DUPLEX, UNENCRYPTED	\$ 1,840.00	\$ 1,840.00
	38	MW-PRO	FEATURE PROVOICE	\$ 187.50	\$ 7,125.00
	1	MAMW-PKGPT	FEATURE PKG, P25 TRUNKING	\$ 935.00	\$ 935.00
	1	MAMW-NCP9H	CONTROL UNIT, CH-721, SYSTEM, FRONT MOUNT	\$ 671.50	\$ 671.50
	1	MAMW-NMC7Y	MICROPHONE, DESKTOP, CH 721 CONTROL UNIT	\$ 110.50	\$ 110.50
				\$ -	\$ -
	2	800 YAGI	ANTENNA YAGI 700-800MHZ FOR CONTROL STATIONS PLUS COAX	\$ 608.00	\$ 1,216.00
	2	MISC	COAX GROUNDING, POLYPHASERS, CONNECTORS ETC	\$ 475.00	\$ 950.00
	1	SETUP INSTALL	SETUP STATIONS, REMOVE OLD STATIONS INSTALL NEW STATIONS	\$ 600.00	\$ 600.00
	1	MAMW0ZN9B	CS7000 CONTROL STATION AND POWER SUPPLY CAN AND DIGITAL INTERFACE	\$ 1,819.00	\$ 1,819.00
				\$ -	\$ -
	1	PM	PROJECT MANAGEMENT	\$ 25,000.00	\$ 25,000.00
	1	TRAINING	USER TRAINING AND INITIAL GROUP ASSIGNMENT WORK WITH CUSTOMER	\$ 15,000.00	\$ 15,000.00
			VARDA LINKER SOLUTION	\$ -	\$ -
	1	DM-M78B	MOBILE XG-25M 700/800MHZ 35 WATT RADIO FOR LINKER OPERATION	\$ 1,680.00	\$ 1,680.00
	1	DM-PKGPT	FEATURE PACKAGE P25 TRUNKING	\$ 600.00	\$ 600.00
	1	DM-PL7Z	FEATURE 512 SYSTEM GROUPS	\$ -	\$ -
	1	DM-PL4F	FEATURE P25 PHASE 2 TDMA	\$ 200.00	\$ 200.00
	1	DM-PRO	FEATURE PROVOICE	\$ 200.00	\$ 200.00
	1	DM-ZN9X	KIT, ACCESSORIES XG-25M	\$ 156.00	\$ 156.00
	1	RM-12A	ASTRON POWER SUPPLY	\$ 349.00	\$ 349.00
	1	RLC-1	LINKER 2 PORT UHF TO 800MHZ	\$ 359.00	\$ 359.00
	1	ENCLOSURE	19 INCH RACK ENCLOSURE WITH STATUS LIGHTS.	\$ 149.00	\$ 149.00
	1	SETUP PROGRAM	SETUP LINKER PROGRAM AND TEST	\$ 800.00	\$ 800.00
	1	MISC	BRACKETS, LUGS, CONNECTORS	\$ 150.00	\$ 150.00
				\$ -	\$ -
				\$ -	\$ -



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Proposal Prepared for: **ROCK ISLAND FIRE DEPT.**

Address _____
 City ROCK ISLAND
 State & Zip Code ILLINOIS
 County ROCK ISLAND
 Phone/FAX _____
 Contact Name WAYNE SHARER
 Contact E-mail _____

FIRE DEPT. EDACS P25 TRNKG + P25 PHASE II + OTAP

ITEM	QTY	PART NO.	DESCRIPTION	UNIT	EXTENDED
34		EVXG-PB78Y	PORTABLE, XG-75, 764-870 MHz, SCAN LIMITED KEYPAD PORTABLE	\$ 1,596.00	\$ 54,264.00
36		MAEV-NPL3R	FEATURE, MAX (1,024+) SYSTEMS/GROUPS, INCL W/ ALL TRUNKED OR DIGITAL	\$ -	\$ -
36		MAEV-NNC5X	ANTENNA, 764-870 MHz, 1/4 WAVE WHIP	\$ 34.00	\$ 1,224.00
36		MAEV-PKGPT	FEATURE PKG, P25 TRUNKING	\$ 935.00	\$ 33,660.00
36		MAEV-NPL5K	FEATURE, PROFILE, OTAP OVER THE AIR PROGRAMMING	\$ 225.25	\$ 8,109.00
72		HNPAA9-LIP	BATTERY, LI-ION POLYMER, GTS, 3100 MAH	\$ 95.00	\$ 6,840.00
36		MAEV-NCH9T	CHARGER, SINGLE, TRI-CHEMISTRY	\$ 102.00	\$ 3,672.00
36		MAEV-NAE9D	SPKR MICROPHONE	\$ 114.75	\$ 4,131.00
36		MAEV-NHC2C	CASE, LEATHER WITH BELT LOOP	\$ 51.00	\$ 1,836.00
8		MAEV-NHC2G	BELT CLIP, STANDARD	\$ 17.00	\$ 136.00
36		MAEV-PKGMR	OPTION, IMMERSIBLE RADIO	\$ 204.00	\$ 7,344.00
2		EVXG-PF78Y	PORTABLE, XG-75, 764-870 MHz, SYSTEM FULL KEYPAD PORTABLE	\$ 1,708.88	\$ 3,417.76
15		MAMW-SDMXX	XG-75M 764-870 MHz, HALF DUPLEX, UNENCRYPTED	\$ 1,840.00	\$ 27,600.00
15		MAMW-NPL3R	FEATURE, MAX (1024+) SYSTEMS/GROUPS	\$ -	\$ -
15		AN-125001-002	ANTENNA, BASE, STANDARD ROOF MOUNT LOW LOSS	\$ 68.00	\$ 1,020.00
15		AN-225001-004	ANTENNA, ELEMENT, 700/800 2 Db low profile	\$ 51.00	\$ 765.00
15		MAMW-PKGPT	FEATURE PKG, P25 TRUNKING	\$ 935.00	\$ 14,025.00
15		MAMW-NPL5K	FEATURE PROFILE OVER-THE-AIR PERSONALITY PROGRAMMING	\$ 225.25	\$ 3,378.75
15		MAMW-NCP9E	CONTROL UNIT, CH 721, SCAN, REMOTE MOUNT	\$ 612.00	\$ 9,180.00
15		MAMW-NMC7Z	MICROPHONE, STANDARD, CH 721 CONTROL UNIT	\$ 68.00	\$ 1,020.00
15		MAMW-NZN7R	ACCESSORIES, XG-75M REMOTE MOUNT	\$ 306.00	\$ 4,590.00
51		A3	SPECIAL PROGRAMMING	\$ 100.00	\$ 5,100.00
15		A7	REMOVAL - SPLIT MOUNT	\$ 250.00	\$ 3,750.00
15		A2	SPLIT MOUNT INSTALL	\$ 600.00	\$ 9,000.00
2		MAMW-NZN7C	CONTROL UNIT, DUAL CONTROL CH 721, SCAN	\$ 836.25	\$ 1,672.50
4		MAMW-SDMXX	XG-75M 764-870 MHz, HALF DUPLEX, UNENCRYPTED	\$ 1,674.50	\$ 6,698.00
4		MAMW-NPL3R	FEATURE, MAX (1024+) SYSTEMS/GROUPS	\$ -	\$ -
				Total Equipment Price	\$ 272,517.01
				Installation	\$ -
				Subtotal	\$ 272,517.01
				Taxes	\$ -
				Shipping	\$ 3,100.00
				Total	\$ 275,617.01

Terms of Purchase:

Tax Rate

System Description: EDACS EQUIPMENT FOR THE FIRE DEPARTMENT INCLUDING PORTABLES, MOBILES 8EA BEING DUAL HEAD , CONTROL STATIONS, STATION ALERTING VIA DTMF DECODERS, ANTENNA SYSTEMS FOR STATIONS INCLUDING LIGHTING PROTECTION. THIS QUOTE ADDS P25 PHASE II FEATURE OPTION AND ALSO ADDS THE OTAP FEATURE OPTION

Proposal Presented By: Sam Fleege Senior Manager Technical Support Date: 10-2014

Proposal Accepted By: _____ Date: _____



ITEM	QTY	Part No.	DESCRIPTION	UNIT	EXTENDED
	4	MAMW-PKGPT	FEATURE PKG, P25 TRUNKING	\$ 935.00	\$ 3,740.00
	4	MAMW-NPL5K	FEATURE PROFILE OVER-THE-AIR PERSONALITY PROGRAMMING	\$ 225.25	\$ 901.00
	4	MAMW-NCP9H	CONTROL UNIT, CH-721, SYSTEM, FRONT MOUNT	\$ 671.50	\$ 2,686.00
	4	MAMW-NMC7Y	MICROPHONE, DESKTOP, CH 721 CONTROL UNIT	\$ 165.75	\$ 663.00
				\$ -	\$ -
	4	800 YAGI	ANTENNA YAGI 700-800MHZ FOR CONTROL STATIONS PLUS COAX	\$ 608.00	\$ 2,432.00
	4	A3	SPECIAL PROGRAMMING	\$ 100.00	\$ 400.00
	4	MISC	COAX GROUNDING, POLYPHASERS, CONNECTORS ETC	\$ 350.00	\$ 1,400.00
	4	SETUP INSTALL	SETUP STATIONS, REMOVE OLD STATIONS INSTALL NEW STATIONS	\$ 600.00	\$ 2,400.00
	4	MAMW-NZN8L	CS7000 CONTROL STATION AND POWER SUPPLY FOUR WIRE INTERFACE	\$ 2,456.50	\$ 9,826.00
	4	DTMF	DECODE MODULES WITH GROUP AND INDIVIDUAL CALL FOR STATION ALERTING	\$ 356.00	\$ 1,424.00
	1	PM	PROJECT MANAGEMENT	\$ 10,000.00	\$ 10,000.00
	1	TRAINING	USER TRAINING AND INITIAL GROUP ASSIGNMENT WORK WITH CUSTOMER	\$ 7,500.00	\$ 7,500.00
				\$ -	\$ -
	4	FIRE ALERTING	INTERFACE FIRE ALERTING MODULES WITH STATIONS INTERFACE TO IN HOUSE PA SYSTEMS	\$ 528.00	\$ 2,112.00
	4	INSTALL STATIONS	INSTALL STATION AT FIRE HOUSES RUN COAX AND MOUNT ANTENNAS	\$ 900.00	\$ 3,600.00
				\$ -	\$ -
	19	MW-PL4F	FEATURE P25 PHASE 2 TDMA FOR THE XG-75M MOBILES	\$ 200.00	\$ 3,800.00
	36	EVXG-NPL4F	FEATURE P25 PHASE 2 TDMA FOR THE XG-75P PORTABLES	\$ 200.00	\$ 7,200.00
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -



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Proposal Prepared for: **ROCK ISLAND DISPATCH**

Address _____
 City ROCK ISLAND
 State & Zip Code ILLINOIS
 County ROCK ISLAND
 Phone/FAX _____
 Contact Name WAYNE SHARER
 Contact E-mail _____

PHASE II NEW POLICE STATION PART # 2

ITEM	QTY	PART NO.	DESCRIPTION	UNIT	EXTENDED
			SYMPHONY P25 TRUNKING CONSOLES 5 POSITION	\$ -	\$ -
	1	VSVS01	VS PROD GRP MODEL NUMBER	\$ 375.00	\$ 375.00
	2	VSCR28	ROUTER, 1921 ADVANCED SECURITY AC POWER	\$ 2,257.00	\$ 4,514.00
	2	VS-MN3E	KIT MOUNTING HARDWARE 1921 ROUTER	\$ 66.00	\$ 132.00
	2	VS-CU6G	MODULE, CISCO EHWIC-4ESG 4 PORT GIG INT	\$ 409.00	\$ 818.00
	2	VSCR23	SWITCH CISCO 2960 8 PORT	\$ 996.00	\$ 1,992.00
	5	UD-ZN4W	CONSOLE SYMPHONY, BUNDLE MIP FEATURES	\$ 29,900.00	\$ 149,500.00
	5	UD-SG4W	LICENSES AES LEVEL ENCRYPTION	\$ 8,500.00	\$ 42,500.00
	12	UD-AB1A	SPEAKER NANO SYMPHONY	\$ 295.00	\$ 3,540.00
	6	UD-CU6T	MONITOR 21.5 " CLASS HIGH DEF	\$ 875.00	\$ 5,250.00
	6	UD-AB1K	CABLE DISPLAY PORT TO DVI-D 10FT	\$ 40.00	\$ 240.00
	6	US-AB1F	MOUSE OPTICAL USB SCROLL WHEEL	\$ 15.00	\$ 90.00
	6	UD-AB1G	KEYBOARD, 104 KEY USB HUB	\$ 65.00	\$ 390.00
	6	UD-AB1D	SINGLE FOOT SWITCH USB SYMPHONY	\$ 255.00	\$ 1,530.00
	12	UD-AB1B	JACK BOX 6 WIRE	\$ 450.00	\$ 5,400.00
	12	CM-022218-3006WJ	ADAPTOR 6 WIRE HACK BOX TO HEADSET	\$ 550.00	\$ 6,600.00
	6	2C-CM22218-0402	MICROPHONE GOOSE NECK	\$ 575.00	\$ 3,450.00
	25	2C-CM22218-0305	HEADSET, OVER THE HEAD SOLID BOOM	\$ 280.00	\$ 7,000.00
	10	CM-022218-001101	LICENSE VOCODER	\$ 100.00	\$ 1,000.00
	5	MM100UD	MANUAL, OPERATOR/INSTALL/CONFIG SYMPHONY CD	\$ 25.00	\$ 125.00
				\$ -	\$ -
			NETWORK FIRST INFRASTRUCTURE	\$ -	\$ -
	1	MANG-GTWY	SYSTEM EQUIPMENT INTEROPT GATEWAY	\$ 3,200.00	\$ 3,200.00
	12	MANG-SN5M	SERVICE QUAD MODE VOCODER LICENSE	\$ 30.00	\$ 360.00
	1	MANG-NFW2A	SOFTWARE, UAC, GWB	\$ 340.00	\$ 340.00
	1	MANG-4DVUS	CHASIS 4 SLOT INTEROPT GATEWAY	\$ 15,750.00	\$ 15,750.00
	1	MANG-NMN2U	BRACKET KIT INTER OPT GATEWAY	\$ 62.00	\$ 62.00
				Total Equipment Price	\$ 326,131.47
				Installation	\$ -
				Subtotal	\$ 326,131.47
				Taxes	\$ -
				Shipping	\$ 1,934.00
				Total	\$ 328,065.47

Terms of Purchase:

System Description:

Proposal Presented By: Sam Fleege Senior Manager Technical Support

Date: 10-2014

Proposal Accepted By: _____

Date: _____



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Proposal Prepared for: **ROCK ISLAND DISPATCH**

Address _____
 City ROCK ISLAND
 State & Zip Code ILLINOIS
 County ROCK ISLAND
 Phone/FAX _____
 Contact Name WAYNE SHARER
 Contact E-mail _____

PHASE II NEW POLICE STATION PART # 1

ITEM	QTY	PART NO.	DESCRIPTION	UNIT	EXTENDED
	5	XM-100F-D02	BACK UP MOBILE XG-100 136-174;762-870MHZ	\$ 2,808.00	\$ 14,040.00
	5	XM-P25PKGPT	FEATURE PACKAGE P25 TRUNKING & EDACS OPERATIONS	\$ 1,275.00	\$ 6,375.00
	5	XMPRO	FEATURE PROVOICE	\$ 187.50	\$ 937.50
	5	XMCP9F	CONTROL UNIT, CH721 SYSTEM REMOTE MOUNT	\$ 701.25	\$ 3,506.25
	5	XMZN9F	MICROPHONE DESK	\$ 165.75	\$ 828.75
	5	XMZN7R	ACCESSORIES UNITY, CH721 REMOTE MOUNT	\$ 306.00	\$ 1,530.00
	5	P1212	CONTROL HEAD POSITION POWER SUPPLIES	\$ 54.40	\$ 272.00
	5	POWER CORDS	POWER CORDS FOR THE P1212	\$ 11.25	\$ 56.25
	1	ICT22012-100N	RACK MOUNT POWER SUPPLY FOR 5 BACKUP RADIOS	\$ 1,390.00	\$ 1,390.00
	6	DB-583-XT	OMNI CONTROL STATION ANTENNA 3 DB GAIN	\$ 570.00	\$ 3,420.00
	3	9011-1918	RACK SHELF FOR RADIO MOUNTING	\$ 56.81	\$ 170.43
	6	IS-50NX-C2-MA	POLY PHASER LIGHTING ARRESTORS	\$ 62.00	\$ 372.00
	600	LDF2-50	3/8 INCH COAX LINE ANTENNAS TO POLYPHASERS	\$ 2.59	\$ 1,554.00
	12	L2TNM-PL	ANDREW N MALE POSITIVE LOCK 3/8 INCH	\$ 18.81	\$ 225.72
	19	RFN-1006-3I	CRIMP N TYPE MALE	\$ 5.70	\$ 108.30
	600	LMR400	50 OHM COAX CABLE	\$ 1.10	\$ 660.00
	5	RP-1202-I	TNC CRIMPED COAX CONNECTOR	\$ 9.75	\$ 48.75
	12	TTP1-4W/FD-C	1 FREQ AT 1950HZ 4 WIRE OPERATION FULL DUPLEX HOUSE METAL CASE	\$ 407.55	\$ 4,890.60
	5	LD-5224-100	STATUS LIGHTS FOR CONSOLE 24VOLT DC	\$ 230.00	\$ 1,150.00
	5	LD-2782-100	10 INCH PLOE EXTENSION	\$ 9.50	\$ 47.50
	5	LD-5200-101	SURFACE MOUNT BASE	\$ 17.20	\$ 86.00
	5	SP-100-24	STATUS LIGHT POWER SUPPLIES	\$ 69.90	\$ 349.50
	5	POWER CORDS	POWER CORDS FOR THE SP-100-24	\$ 11.25	\$ 56.25
	5	CA-009562-250	CAN DATA BUS WIRES	\$ 685.00	\$ 3,425.00
	15	CD-014027-001	CAN DATA BUS STRAIGHT END CONNECTORS	\$ 25.00	\$ 375.00
	5	A3	SPECIAL PROGRAMMING	\$ 100.00	\$ 500.00
	5	XMPL4F	FEATURE P25 PHASE 2 TDMA	\$ 187.50	\$ 937.50
				Total Equipment Price	\$ 135,704.78
				Installation	\$ -
				Subtotal	\$ 135,704.78
				Taxes	\$ -
				Shipping	\$ 1,077.00
				Total	\$ 136,781.78

Terms of Purchase:

Tax Rate

System Description:

Proposal Presented By: Sam Fleege Senior Manager Technical Support Date: 10-2014

Proposal Accepted By: _____ Date: _____



ITEM	QTY	Part No.	DESCRIPTION	UNIT	EXTENDED
	2	NAM-FM-EEW-3Y	FLUID MESH FOR FIBER	\$ 189.00	\$ 378.00
	2	NAM-FM-GIGA	ACTIVATE VIRTUAL GIGABIT FEATURE	\$ 798.00	\$ 1,596.00
	2	NAM-FM-SURGE	RJ 45 INLINE SURGE SUPPRESSOR	\$ 336.00	\$ 672.00
	2	NAM-FM1200V-HW	SINGLE MIMO RADIO DEVICE	\$ 980.00	\$ 1,960.00
	2	NAM-FM1200UN	ENABLE UNLIMITED ETHERNET	\$ 3,045.00	\$ 6,090.00
	1	ICX6450-24	24 PORT BROCADE SWITCH	\$ 2,415.00	\$ 2,415.00
	1	ICX6450-PERM-LIC	BROCADE LICENSE	\$ 756.00	\$ 756.00
			WIRELESS LICENSED LINK BACKUP DATA PATH OLD TO NEW BUILDING (LINE OF SIGHT REQUIRED)	\$ -	\$ -
	1	XLTE11F731-0490H1	ExtendAir 11 GHz FCC 1x10/100 BaseT, 25 Mbps	\$ 3,495.00	\$ 3,495.00
	1	XLTE11F731-0490L1	ExtendAir 11 GHz FCC 1x10/100 BaseT, 25 Mbps	\$ 3,495.00	\$ 3,495.00
	2	XLTA204501	ExtendAir AC Power Kit, single Terminal POE with 72 Watt AC Adapter	\$ 150.00	\$ 300.00
	2	XLTK01950XX3X	Upgrade Key, ExtendAir Only, 256 Bit AES Encryption	\$ 800.00	\$ 1,600.00
	2	XLTS001T04	1 Year Warranty Extension	\$ 600.00	\$ 1,200.00
	2	XLTS002T04	2 Year Warranty Extension	\$ 800.00	\$ 1,600.00
	2	RDWHP3-11EX	10.7-11.7 GHz, 3' HP Antenna with Exalt Interface	\$ 1,380.00	\$ 2,760.00
	4	POLIXG-05	Outdoor Surge Protector	\$ 120.00	\$ 480.00
	2	POLIX-POLE-KIT	Bracket for IXG-05	\$ 19.00	\$ 38.00
	2	XLTL010T10-LIC	FCC Part 101 Freq Coordination Service Single Transmitter	\$ 800.00	\$ 1,600.00
	1	CM-00424CAXS-5E-02	OUTDOOR CAT 6 FLOODED SCHIELED CABLE 1000 FT	\$ 1,179.00	\$ 1,179.00
	8	284005	RJ 45 SCHIELED CONNECTORS	\$ 3.56	\$ 28.48
	1	MISC	MOUNTS, HARDWARE, SEALANT, TIES, BRACKETS, ETC.	\$ 2,250.00	\$ 2,250.00
				\$ -	\$ -
	PM	PROJECT MGNT	DISPATCH AND LEGACY CONNECTIVITY PROJECT MANAGEMENT	\$ 15,000.00	\$ 15,000.00
				\$ -	\$ -
	1	INSTALLATION	SETUP, WIRE, BUILD, INSTALLATION OF EQUIPMENT ON THIS QUOTE SHEET	\$ 39,500.00	\$ 39,500.00
				\$ -	\$ -
				\$ -	\$ -