2

SUBJECT: MICROWAVE NETWORK EQUIPMENT

BID #: SC-0457-18 **OPEN DATE: 2018-05-16**

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT: SUPPLY CONTRACT – OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2022 WITH THREE (3) ONE (1) YEAR RENEWAL OPTIONS

AGENCY: INFORMATION TECHNOLOGIES DIVISION

BASIS OF AWARD: ALL OR NONE TO THE LOWEST RESPONSIVE, RESPONSIBLE BIDDER FOR THE SUM OF ALL GROUPS (A-D)

NUMBER OF BIDS INVITED: 6 **NUMBER RECEIVED:** 1 **OTHER:** 0

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

Recommend approval to increase the award to Microwave Networks, Inc. in the amount of $21,690.00, to purchase the remaining microwave equipment required to complete the Microwave Equipment Refresh Project. The microwave network is one of two data transmission networks needed to provide radio data to the ASTRO P25 First Coast Radio System (FCRS). The period of service will remain the same until September 30, 2022. The revised total award expenditure not-to-exceed $528,792.00.

Funding Source: 53102.113502.564270.000000.00000000.00000.0000000, to be executed by purchase order(s).

Attachments: Recommendation Memo, Vendor Quote, Previous Award

ANALYST: _____ RUBEN OLA

RESPECTFULLY SUBMITTED: _____ GREGORY PEASE, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: Kenneth Lathrop, Chief of Information Technologies / CIO

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING _____ MEMBERS DISAPPROVING _____ DATE: _____

_____ _____ OTHER: _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED _____ DISAPPROVED _____

OTHER _____

SIGNATURE OF AUTHENTICATION _____

INFORMATION TECHNOLOGIES DIVISION

CITY OF JACKSONVILLE

DATE: October 25, 2021

TO: Greg Pease, Chief of Procurement Division

THRU: Kenneth E. Lathrop, Chief of Information Technologies / CIO — Kenneth E. Lathrop — Digitally signed by Kenneth E. Lathrop Date: 2021.10.27 08:48:22 -04'00'

FROM: Thomas Ossi, Technology Contract and Records Manager — THOMAS OSSI — Digitally signed by THOMAS OSSI Date: 2021.10.25 12:07:19 -04'00'

RE: **SC-0457-18 Microwave Network Equipment – Award Increase**

The Information Technologies Division (ITD) requests approval to increase Bid # SC-0457-18 Microwave Network Equipment with Microwave Networks, Inc. (MNI). The purpose of the increase is to purchase the remaining microwave equipment required to complete the Microwave Equipment Refresh project. The microwave network is one of two data transmission networks needed to provide radio data to the ASTRO P25 First Coast Radio System (FCRS). The award term will remain the same from October 12, 2018 through September 30, 2022, with one (1) renewal option.

ITD Management is requesting a total increase of $21,690.00 for this request, bringing the total award expenditure not-to-exceed amount from $507,102.00 to $528,792.00.

FUNDING SOURCE: 53102.113502.564270

Tracy Geake — Digitally signed by Tracy Geake Date: 2021.10.25 14:46:21 -04'00'

Your favorable consideration of ITD's request is appreciated.

Attachments: Procurement Award SC-0457-18
Vendor Quote # LM10216-50 R2

CC: Alexander Ciprian, Radio Communications Manager
William J. Costa, Technology Infrastructure Manager
Elizabeth Brown, IT Operations Manager
Andre Conyers, IT Contract Administrator

Microwave NETWORKS
4000 Greenbriar Stafford, TX 77477
Ph.: 281-263-6500; Fx: 281-263-6406
Sales Contact: Lee Moreno
System Engineer: RL
Quote: LM10216-50 R2
Date: 19-Oct-21
Currency: US Dollars
PRICE AND MATERIAL LIST

City of Jacksonville - Year 4

Customer: City of Jacksonville
Contact: Steve Hayner
Location: Jacksonville, FL
EXW: Stafford, Texas
Validity: 60 Days
Delivery: 45 - 60 Days ARO
Payment Terms: Per Contract

Item	Description	Includes Items	Extended Price
1.00	Radio equipment	Includes items 1.01-1.03	$82,576
		Grand Total Equipment:	$82,576

Notes:

- *All other terms and conditions as per Microwave Networks Inc. (MNI) Standard Terms and Conditions of Trade*
- *Pricing shown is contingent upon purchase of entire quoted bill of materials and services.*
- *Additional charges may be applied if a particular component, brand, service, or installation partner is required by the customer*
- *Microwave Networks reserves the right to replace 3rd party products with alternative equipment of similar or superior function and quality*
- *Warranty on all 3rd party products is the original manufacturer's warranty or 1 year*
- *Final antenna type is subject to change based on PCN results*
- *Legacy and EOL equipment availability is limited and requirements for such may be filled by refurbished equipment on a case-by-case basis per customer approval*
- *Quote is valid for 60 days. Price will be updated and may increase after 60 days*
- *Change orders are subject to price increase*
- *Scheduled delivery dates are approximate and depend on a number of factors including availability of inventory. MNI will make commercial best efforts to accommodate customer's requested delivery schedule as long as customer provides all information required for MNI to build the order as soon as possible. Customer must take delivery of equipment on the agreed delivery date. If customer; through customer's action, inaction, or other external factors; delays the agreed delivery date, customer agrees to accept title and be invoiced for equipment on the agreed date (i.e. ship in place). Storage and handling fees may apply.*
- *Customer is responsible for receiving, inspecting, and taking a detailed inventory of any shipments made against a valid purchase order. Any claims of missing and/or damaged equipment must be submitted to MNI's customer service department within 15 days of receipt of shipment. Failing to contact MNI within 15 days will result in customer's waiver of any right to claim for remedy.*
- *Microwave Networks manufactured equipment is covered by 2 years warranty after shipment, per Microwave Networks' Standard Warranty*
- *Microwave Networks Inc. designs and implements custom turn-key solutions and strongly recommends all customers take advantage of MNI's full turnkey services. MNI is not responsible for the workmanship of any 3rd parties selected by the customer and cannot be responsible for system turn-up and overall performance of any microwave systems not designed and installed by MNI*
- *All installation technicians must successfully complete Microwave Networks certification training*
- *If onsite troubleshooting is required by MNI, additional charges will apply*

Microwave NETWORKS
4000 Greenbriar Stafford, TX 77477
Ph.: 281-263-6500; Fx: 281-263-6406
Sales Contact: Lee Moreno
System Engineer: RL
Quote: LM10216-50 R2
Date: 19-Oct-21
Currency: US Dollars
PRICE AND MATERIAL LIST

City of Jacksonville - Year 4

Customer: City of Jacksonville
Contact: Steve Hayner
Location: Jacksonville, FL
CPT: Jacksonville, FL
Validity: 60 Days
Delivery: 45 - 60 Days ARO
Payment Terms: Net 30 days with approved credit

Item	Model	Description	Unit Price	Garden City - SJRPP	1st Street - SJRPP	Lloyd Tower - Garden City Tower	Total Qty	Extended Price
1.00	Proteus MX RFU Upgrades							
1.01	J06NE2-180G-YY2-EMSH-C	Proteus MX, 6 GHz Gigabit Ethernet Radio, Non Protected, High TX Pwr, All Indoor, w/ SHARP configured for 8 Channels, MicroBus, ACM, DACC, licensed for 180 Mbps in 30 MHz Channel	$12,787	2		2	4	$51,148
1.02	J06KE2-180G-YY2-EMSH-C	Proteus MX, 6 GHz Gigabit Ethernet Radio, Non Protected with Space Diversity, High TX Pwr, All Indoor, w/ SHARP configured for 8 Channels, MicroBus, ACM, DACC, licensed for 180 Mbps in 30 MHz Channel	$15,018		2		2	$30,036
1.03	8708332-00	W/G Kit, 6G,CMR137, no IF Cbl, NP, Position 2	$696				2	$1,392
							Proteus MX Radios Total:	$82,576
Grand Total, CPT: Jacksonville, FL								**$82,576**

Notes:

- *All other terms and conditions as per Microwave Networks Inc. (MNI) Standard Terms and Conditions of Trade*
- *Pricing shown is contingent upon purchase of entire quoted bill of materials and services.*
- *Additional charges may be applied if a particular component, brand, service, or installation partner is required by the customer*
- *Microwave Networks reserves the right to replace 3rd party products with alternative equipment of similar or superior function and quality*
- *Warranty on all 3rd party products is the original manufacturer's warranty or 1 year*
- *Final antenna type is subject to change based on PCN results*
- *Legacy and EOL equipment availability is limited and requirements for such may be filled by refurbished equipment on a case-by-case basis per customer approval*
- *Quote is valid for 60 days. Price will be updated and may increase after 60 days*
- *Change orders are subject to price increase*
- *Scheduled delivery dates are approximate and depend on a number of factors including availability of inventory. MNI will make commercial best efforts to accommodate customer's requested delivery schedule as long as customer provides all information required for MNI to build the order as soon as possible. Customer must take delivery of equipment on the agreed delivery date. If customer; through customer's action, inaction, or other external factors; delays the agreed delivery date, customer agrees to accept title and be invoiced for equipment on the agreed date (i.e. ship in place). Storage and handling fees may apply.*
- *Customer is responsible for receiving, inspecting, and taking a detailed inventory of any shipments made against a valid purchase order. Any claims of missing and/or damaged equipment must be submitted to MNI's customer service department within 15 days of receipt of shipment. Failing to contact MNI within 15 days will result in customer's waiver of any right to claim for remedy.*
- *Microwave Networks manufactured equipment is covered by 2 years warranty after shipment, per Microwave Networks' Standard Warranty*
- *Microwave Networks Inc. designs and implements custom turn-key solutions and strongly recommends all customers take advantage of MNI's full turnkey services. MNI is not responsible for the workmanship of any 3rd parties selected by the customer and cannot be responsible for system turn-up and overall performance of any microwave systems not designed and installed by MNI*
- *All installation technicians must successfully complete Microwave Networks certification training*
- *If onsite troubleshooting is required by MNI, additional charges will apply*

SUBJECT: MICROWAVE NETWORK EQUIPMENT

BID #: SC-0457-18 **OPEN DATE: 2018-05-16**

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT: SUPPLY CONTRACT – OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2022 WITH THREE (3) ONE (1) YEAR RENEWAL OPTIONS

AGENCY: INFORMATION TECHNOLOGIES DIVISION

BASIS OF AWARD: ALL OR NONE TO THE LOWEST RESPONSIVE, RESPONSIBLE BIDDER FOR THE SUM OF ALL GROUPS (A-D)

NUMBER OF BIDS INVITED: 6 **NUMBER RECEIVED:** 1 **OTHER:** 0

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
Recommend approval to increase the award to Microwave Networks, Inc. in the amount of $1,168.00 for the required Waveguide Extension Kit and Proteus MX Sharp to M Sharp Shelf cables for Information Technologies Division. The revised total award amount not-to-exceed $507,102.00.

Funding for this award to be encumbered by account code AFIT534RM-06427 and to be executed by purchase order(s).

Attachments: Recommendation Memo, Vendor Quote, Previous Award

ANALYST: RUBEN OLA **RESPECTFULLY SUBMITTED:** GREGORY PEASE, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: Kenneth Lathrop, Chief of Information Technologies / CIO

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING 3 MEMBERS DISAPPROVING Ø DATE: 1/10/19

OTHER:

ACTION OF AWARDING AUTHORITY DATE 1/10/19

APPROVED DISAPPROVED

OTHER

SIGNATURE OF AUTHENTICATION

Sam E. Mousa
Chief Administrative Officer
For: Mayor Lenny Curry
Under Authority of:
Executive Order No. 2015-05

INFORMATION TECHNOLOGIES DIVISION

CITY OF JACKSONVILLE

December 14, 2018

TO: Gregory Pease, Chief of Procurement Division

THRU: Kenneth E. Lathrop, Chief of Information Technologies / CIO

FROM: Robert Gray, Enterprise Technology Infrastructure Manager, IT

RE: **BID# SC-0457-18 MICROWAVE NETWORK EQUIPMENT–INCREASE AWARD ($507,102)**

The City of Jacksonville awarded BID # SC-0457-18 on October 12, 2018 to Microwave Networks, Inc. for Microwave Network Equipment in the amount of $505,934.00. The bid award involves the purchase of microwave parts to replace end of life microwave equipment that provides radio communication services to the Radio Towers.

After further review, the link between JEA SOCC and JEA Plaza required two links resulting in an increase of the required cables from the original request of four to eight cables and a unit cost increase in a waveguide extension kit as detailed in the table below.

	Bid Pricing	Updated Pricing	Increase Award
Waveguide Extension Kit, 11 GHz, Position 1, NP, UG39 – Part# 8708315-61C	$166.00	$210.00	$44.00
Proteus MX SHARP to M SHARP Shelf Cable (2 required per SHARP Shelf) - Part# 8108765-01	$1,124.00	$2,248.00	$1,124.00
Total amount to increase Bid# SC-0457-18			$1,168.00

A revised maximum not to exceed amount of $507,102.00 is charted below.

Fiscal Year	Revised Bid Award	Initial Bid Award	Dollar Amount Change
FY2019	$158,150.00	$156,982.00	$1,168.00
FY2020	$138,688.00	$138,688.00	$-0-
FY2021	$154,654.00	$154,654.00	$-0-
FY2022	$55,610.00	$55,610.00	$-0-
TOTAL	$507,102.00	$505,934.00	$1,168.00

The term for this agreement remains unchanged from date of award through September 30, 2019 with three (3) one (1) year renewal options. The equipment parts list and quantities indicated on the bid are subject to change based on industry standard requirements.

Funding Source: AFIT534RM – 06429

CC: Tom Ossi, Kim Laidler, John Proctor - ITD
ATTACHMENT – GROUP A to bid award

CITY OF JACKSONVILLE

GROUP A - Microwave Network Equipment Refresh Fiscal Year 2018-2019					
1	Crystal Springs Tower to Yellow Water Tower	JNNNN-180G-YY2-EMSH-C	2	$5,321.00	$10,642.00
2	Crystal Springs Tower to Yellow Water Tower	~~3700060-10~~ — 8108765-01	4	$281.00	$1,124.00
3	Crystal Springs Tower to JEA SOCC Tower	J11NE2-180G-YY2-EMSH-C	2	$12,960.00	$25,920.00
4	Crystal Springs Tower to JEA SOCC Tower	~~3700060-10~~ — 8108765-01	4	$281.00	$1,124.00
5	Crystal Springs Tower to JEA SOCC Tower	8708315-61C	2	$210.00	$420.00
6	Crystal Springs Tower to JEA SOCC Tower	8708326-00CN	1	$696.00	$696.00
7	JEA SOCC Tower to JEA Plaza Tower	J06NE2-180G-YY2-EMSH-C	2	$12,787.00	$25,574.00
8	JEA SOCC Tower to JEA Plaza Tower	J06NE2-180G-YY3-EMSH-C	2	$13,046.00	$26,092.00
9	JEA SOCC Tower to JEA Plaza Tower	8708xxx-10	2	$2,679.00	$5,358.00
10	JEA SOCC Tower to JEA Plaza Tower	8708xxx-20	2	$2,020.00	$4,040.00
11	JEA SOCC Tower to JEA Plaza Tower	8509904-xx	2	$640.00	$1,280.00
12	JEA SOCC Tower to JEA Plaza Tower	8708315-61C	1	$166.00	$166.00
13	JEA SOCC Tower to JEA Plaza Tower	~~3700060-10~~ — 8108765-01	4	$281.00	$1,124.00
14	JEA SOCC Tower to JEA Plaza Tower	8708326-00CN	1	$696.00	$696.00
15	JEA SOCC Tower to JEA Plaza Tower	020-60025-2010	2	$7,774.00	$15,548.00
16	JEA SOCC Tower to JEA Plaza Tower	020-60025-2110	1	$9,890.00	$9,890.00
17	JEA SOCC Tower to JEA Plaza Tower	020-60055-2010	2	$8,445.00	$16,890.00
18	JEA SOCC Tower to JEA Plaza Tower	8209345-09	2	$3,874.00	$7,748.00
19	JEA SOCC Tower to JEA Plaza Tower	8000757-00	2	$1,325.00	$2,650.00
			GROUP A TOTAL:	$156,982.00	

Microwave NETWORKS

4000 Greenbriar Stafford, TX 77477
Ph.: 281-263-6500; Fx: 281-263-6406
Sales Contact: Lee Moreno
System Engineer: MM
Quote: LM-81129-56
Date: 29-Nov-18
Currency: US Dollars

Customer: City of Jacksonville
Contact: Steve Hayner
Location: Jacksonville, FL
EXW: Stafford, Texas
Validity: 60 Days
Delivery: 45 - 60 Days ARO
Payment Terms: Net 30 days with approved credit

PRICE AND MATERIAL LIST

Item	Model	Description	Unit Price	Total Qty	Extended Price
1.00	Proteus MX Radios				
1.01	J06NE2-180G-YY2-EMSH-C	Proteus MX, 6 GHz Gigabit Ethernet Radio, Non Protected, High TX Pwr, All Indoor, w/ SHARP configured for 1[illegible] Channels, MicroBus, ACM, DACC, licensed for 180 Mbps in 30 MHz Channel	$12,787	[illegible]	$25,5[illegible]
1.02	J06NE2-180G-YY3-EMSH-C	Proteus MX, 6 GHz Gigabit Ethernet Radio, Non Protected, High TX Pwr, All Indoor, w/ SHARP configured for 12 Channels, MicroBus, ACM, DACC, licensed for 180 Mbps in 30 MHz Channel	$13,046	2	$26,092
1.03	8708xxx-10	Waveguide Extension Kit, 6 GHz, Position 1, Expandable, NP, CMR137	$2,679	2	$5,358
1.04	8708xxx-20	Waveguide Extension Kit, 6 GHz, Position 2, Expandable, NP, CMR137	$2,020	2	$4,040
1.05	8509904-xx	Waveguide Extension 6 GHz, CMR137-CMR137	$640	2	$1,280
1.06	8708315-GIC	Waveguide Extension Kit, 11 GHz, Position 1, NP, UG39	$210	1	$210
1.07	8708326-00CN	Waveguide Extension Kit, 11 GHz, Position 2, NP, UG39	$696	1	$696
1.08	8108765-01	Proteus MX SHARP to M SHARP Shell Cable (2 required per SHARP Shell)	$281	8	$2,248
				Proteus MX Radios Total:	$65,498
2.00	Proteus MX Spares				
2.01	020-60025-2010	RFU RR1 Transceiver Module, Wideband, 6 GHz (Includes Power Supply Unit)	$7,774		$15,548
2.02	020-60025-2110	RFU RR1 Transceiver Module, Wideband, Dual Receiver, 6 GHz (Includes Power Supply Unit)	$9,890	1	$9,890
2.03	020-60055-2010	RFU RR1 Transceiver Module, Wideband, 11 GHz (Includes Power Supply Unit)	$8,445	2	$16,890
2.04	8209345-09	Channel Unit, Standard Power Supply, with MicroBus Option	$3,874	2	$7,748
2.05	8000757-00	Proteus MX Traffic Line Interface Card, SHARP	$1,325	1	$2,650
				Proteus MX Spares Total:	$52,726
				Equipment Total:	$118,224
Grand Total, EXW: Stafford, Texas					**$118,224**

Notes. 1. All other terms and conditions as per Microwave Networks Inc. Standard Terms and Conditions of Trade

SUBJECT: MICROWAVE NETWORK EQUIPMENT

BID #: SC-0457-18

OPEN DATE: 2018-05-16

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT: SUPPLY CONTRACT – OCTOBER 1, 2018 THROUGH SEPTEMBER 30, 2022 WITH THREE (3) ONE (1) YEAR RENEWAL OPTIONS

AGENCY: INFORMATION TECHNOLOGIES DIVISION

BASIS OF AWARD: ALL OR NONE TO THE LOWEST RESPONSIVE, RESPONSIBLE BIDDER FOR THE SUM OF ALL GROUPS (A-D)

NUMBER OF BIDS INVITED: 6 NUMBER RECEIVED: 1 OTHER: 0

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
Recommend approval of award to the lowest responsive, responsible bidder, Microwave Networks, Inc. for the purchase of microwave network equipment for the Information Technologies Division. Period of service will be from date of award through September 30, 2022 with three (3) one (1) year renewal options. Total award amount not-to-exceed $505,934.00.

Funding for this award to be encumbered by account code AFIT534RM-06427 as broken out below by fiscal year and to be executed by purchase order(s).

FY19 - $156,982.00
FY20 - $138,688.00
FY21 - $154,654.00
FY22 - $55,610.00

Attachments: Recommendation Memo, Bid Tabulation Sheet, Terms and Conditions, Specifications

ANALYST: CHELSEY FLEMING

RESPECTFULLY SUBMITTED: GREGORY PEASE, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: Kenneth Lathrop, Chief of Information Technologies / CIO

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING 3 MEMBERS DISAPPROVING 0 DATE 10/11/18

OTHER:

ACTION OF AWARDING AUTHORITY DATE 10/12/18

APPROVED DISAPPROVED

OTHER

SIGNATURE OF AUTHENTICATION