



TOWN OF GREENWICH

Purchasing Department (203) 622-7881 Fax: (203) 622-7776
Town Hall • 101 Field Point Road • Greenwich, CT 06830

March 29, 2016,

**** ADDENDUM #1 ****
TOWN OF GREENWICH, CT
REQUEST FOR PROPOSAL #7212 DEADLINE: 6/1/16 AT 3:00 PM
PUBLIC SAFETY LAND MOBILE RADIO SYSTEM

Listed below are the firms that attended the pre-proposal meeting on 3/14/16:

- EF Johnson
- Harris Corp
- Motorola Solutions
- Northeastern Comm
- Relm Wireless Corp

Question #1: Please reaffirm the coordinates for all active and future sites under consideration.

Answer #1: Please see below the updated version of Table 1. Changes are bold and highlighted:

<u>Site Name</u>	<u>Address</u>	<u>Coordinates</u>	<u>Structure Type</u>	<u>Structure Height (ft)</u>	<u>Existing Antenna Tip Height (ft)</u>
Bruce Golf Course	1300 King St.	N41-04-27.3 W73-41-50.0	Self-Support Tower	100	110
Butternut Hollow	Butternut Hollow Rd.	N41-05-49.3 W73-38-19.5	Self-Support Tower	180	190
Greenwich Hospital	5 Perryridge Rd.	N41-02-02.3 W73-37-49.5	Monopole	100	90
East Putnam	1111 E. Putnam Ave.	N41-02-27.3 W73-35-04.4	Office Building	50	58
Verizon Monopine	36 Ritch Avenue	N41-00-18.1 W73-38-53.9	Stealth Pole	80	n/a
StateX5	I-95 @ Exit 5	N41-02-25.9 W73-35-37.8	Undeveloped Pole	160	n/a

Table A1-1

Question #2: Please provide the receive and transmit antenna heights for each existing site and the antenna types?

Answer #2: See the revised Table A1-1 for antenna heights at each existing location. All existing RF sites use a dual element 6 dB omnidirectional antenna manufactured by TX/RX Systems for transmit and receive.

Question #3: Please confirm the FCC call sign listed in Section 2.2., page 19.

Answer #3: The call sign on page 19 was listed in error. The correct call sign is WNNM890.

Question #4: What equipment will Alcatel-Lucent be providing for the site-to-site backhaul? Will that equipment support MPLS (multiprotocol label switching)? What interfaces are available for that equipment and where will the interface points be available?

Answer #4: The Town is currently implementing Alcatel-Lucent 9500 MPR 1+1 microwave links as follows:

- Public Safety Complex - Greenwich Hospital
- Greenwich Hospital - Bruce Golf Course
- Bruce Golf Course - Butternut Hollow

Each end of each microwave link will be equipped with the following hardware, software, and interfaces:

Part Number	Description	Qty
Radio Information		
95MPR11-L128F30-167-30.5-HS	9500 MPR 1+1 11 GHz All Indoor Microwave Transceiver	1
9500 MPR Microwave Switching Shelf (MSS)		
3EM22715AC	9500 MPR Shelf Kit (MSS-8) w/Alarm FAN	1
3DB18326AC	Core Enhanced Module w 6 GbE ports (CORE-E) - TH/Clei	2
3DB18126AE	32xT1 TDM Module	2
3DB19017AB	Ethernet Access Module (v2) w/8 GbE port	2
3DB18970BFBA	9500 MPR R5.1 SW Electronic Delivery Kit ICS01	1
3EM23086AQAA	9500 MPR R5.1 Flash Card ICS01	2
3DB16102AA	32 E1/T1 Protection Panel - D-Connector	1
9500 MPR Microwave Packet Transceiver (MPT)		
3EM24238AB	MPT-HL Shelf Kit Dual T-R	1
3DB76050AA	MPT-HLC Transceiver 11 GHz Without Diversity (10700 - 11700)	2
9500 MPR RTUs - per ODU/RF Transceiver/Upgrade		
3EM23068ADAA	RTU 160Mbps TRX Capacity	2
3EM23577ADAA	RTU 160Mbps TRX Capacity Upgrade	
9500 MPR Microwave Packet Transceiver Accessories		
3EM23465AA	6/11 GHz Hot Standby	1
3EM24188AA	11 GHz Hot Standby 1:10 Coupler Diplexer Clamp and Isolator Kits	1
3EM24081AA	RF Diplexer Filter 10700-11700, 30 MHz	1
Racks and Accessories		
694-9000-006	Standard Rack, 7 ft tall, 19 inch wide	1
3EM13317AA	Power Distribution Panel	1
DC Power		
409102134	Shelf, 240755, 19in, 2-40amp Rectifier	1
409071776	Battery Plant, 48V, Enersys 48V125F Front Terminal 10Yr	1

Table A1-2

Other links utilizing the same or similar equipment will be added at the Town's expense per the Contractor's design.

The Town is providing the point-to-point interfaces described in Table A1-2, which includes support for MPLS networks. However, all routing and switching equipment required for the system design and site connectivity shall be provided by the Contractor.

Microwave radios and interface points will be available in the respective equipment shelters at Greenwich Hospital, Bruce Golf Course, and Butternut Hollow. The microwave radios and interface points at the Public Safety Complex will be located in the penthouse "Microwave Room". The Town will provide any necessary Ethernet connections from the Microwave Room to the basement Radio Room and/or Dispatch Center. The Town will also provide HVAC and power improvements in the Microwave Room.

Question #5: Can a respondent submit a subscriber-only proposal?

Answer #5: RFP #7212 is for a P25 Phase 2 compliant Radio System to include but not be limited to associated system infrastructure equipment, design services and guaranteed minimum coverage performance. Recognizing that there may be certain economies of scale and advantages to system hardware integration, the RFP provides an opportunity for qualified respondents to also propose optional costs for other hardware and services, to include subscriber radios. These options, if exercised, will be at the sole discretion of the municipality.

The Town will not entertain proposals that include optional equipment only without the inclusion of the specified core radio system infrastructure components and services. If no award is made for some or all optional hardware or services, the Town of Greenwich may, at its sole discretion, re-issue one or more RFPs for some or all of the optional hardware or services.

Question #6: Should proposals include an option to build a monopole and shelter (if required for the vendor's system design) at the I-95 Exit #5 gore area (State X5)?

Answer #6: No. The Town is not requesting optional pricing for these services. Respondents should refer to Section 2.6.2 of the RFP for additional information. Respondents should be aware that the evaluation of proposals will include consideration of the costs and benefits associated with modifications to the location of existing sites.

Question#7: What is the length and type of the existing transmission line at the Greenwich Hospital site?

Answer #7: The existing system utilizes LDF7-50A transmission line. The approximate length of each transmission line from the antenna to the equipment location is 375 feet.

Question #8: Will the existing dispatch furniture be used with the new radio console equipment?

Answer #8: The Town is responsible for providing dispatch furniture. A reasonable assumption may be made that the existing furniture will be utilized. If furniture is eventually replaced (prior to completion of this project) it will not be completed as a part of this acquisition.

Question #9: Will the Town provide an electronic version of the RFP document for use in preparing the point-by-point response?

Answer #9: The RFP requires a point-by-point response to each numbered section of the RFP. To facilitate this requirement, the complete RFP document in MS Word format has been posted to the Town's website: www.greenwichct.org/bids.

The respondent may utilize the MS Word document to create their point-by-point response. The response to each number section shall be inserted immediately below the section text and presented in bold typeface that is clearly distinguishable from the original text. The originally posted PDF version of RFP #7212 issued on 02/19/2016 shall prevail in the event of any variation between the documents. Any attempt by the respondent to intentionally alter or modify the original RFP text, meaning, and/or requirements shall result in disqualification.

Question #10: The RFP states: "This RFP will entertain the optional replacement of other existing user radios, but user radio replacement is not a requirement and will not be a primary consideration in the proposal evaluation process." If the (Town of Greenwich) chooses to do so, will it consider split awards or will all radios be awarded to a single vendor?

Answer #10: The Town intends to make a single award for the specified core radio system infrastructure components and services covered under this RFP. The Town of Greenwich may include, at its sole discretion and as part of that primary award, some or all optional hardware or services. If none or only some of the required subscriber radios are included as options, the Town of Greenwich may, at its sole discretion, re-issue one or more RFPs for some or all of the optional equipment. The Town does not intend to make more than one award under this RFP (i.e. one award for core infrastructure and services and a separate award to a different entity for some or all subscriber radios.)

Question #11: It is clear (from the RFP language) that the simulcast voice and control planes must be completely redundant. Is it the intent of this requirement that all system call control equipment be redundant including any sort of site or system controllers?

Answer #11: Yes. To the greatest extent possible, the Town of Greenwich wishes to eliminate single points of system failure and maintain "normal" trunked, full system radio operation through equipment failure challenges.

Question #12: Will the (Town of Greenwich) accept connection to equipment owned by someone other than the county or located outside the (Town's) boundaries or direct control in order to meet the redundant site or system controllers requirement?

Answer #12: The Town of Greenwich would greatly prefer a fully redundant system completely under its own governance and subject to its own local control and responsibility for maintenance. Each proposal must reflect the provision of and include pricing for a fully redundant system under local control. The inclusion of additional information about alternate proposals (i.e. proposed alternate methodologies for providing system redundancy) will not be cause to eliminate any proposal from consideration as long as the proposal also meets the minimum requirements as described in the RFP.

Question #13: 1.6.2 Technical Proposal - Based on the reference to a Technical Proposal in this paragraph and a Cost Proposal in 1.6.3 does the Town wish the technical and cost information to be separately sealed.

Answer #13: The cost proposal should be on separate pages from the technical proposal but there is no requirement to seal them separately.

Question #14: 2.5.2 Service Area Reliability – The second paragraph in this section makes reference to GIS data layers of the town boundary in ESRI Shapefile format at a specific IP address. Can the Town be more specific with regard to the file name and location or provide the Shapefiles showing the RFP Town boundary required for the RFP coverage guarantee? There are multiple folders and files contained at the IP address and it is unclear which files should be used.

Answer #14: At the described public IP address (74.123.201.79) three folders can be accessed. The third folder is labelled "Planimetric Data." Inside the "Planimetric Data" folder are several compressed folders in .zip format. The boundary shapefiles can be found in the compressed folders labelled "boundary_arc.zip" (for ESRI line file(s)) and "boundary_polygon.zip" (for ESRI polygon files(s)).

Question #15: 2.17.10.3 Portable Radios, Class 5 – The specification requires this radio to include conventional operation in the VHF band but does not mention multiband support as it does with the Class 4 portable specification. Are we correct in assuming the Class 5 portable should also include multiband support so that it operates at 800/VHF?

Answer #15: Yes.

Question #16: 2.17.10.5 Control Station Radios – Can the Town provide more detail on the required antenna systems for control stations such as type of antenna required and transmission line length? Can the Town provide the number of locations for the 46 control stations with details on any locations having multiple control stations?

Answer #16: The overwhelming majority of the installed control stations are individual desktop or countertop installations in office environments. Typically these are in Highway sheds, Parks foreman's offices, firehouse watchrooms, etc.. There are no locations where multiple control stations are connected to exotic combiners or have extraordinarily complicated or lengthy cable runs. All control stations should be supplied with whatever antenna the manufacturer recommends for a typical indoor installation. For purposes of responding to the RFP, respondents should assume all control stations will be installed in office locations where 110v line power is available and antenna transmission line runs of 50 feet or less will be required.

All other terms and conditions remain unchanged.


James Giarrapato Latham, CPPB
Senior Buyer

JGL:am