



Request for Proposals

REQUEST FOR PROPOSALS

RFP 17-201

MOTOROLA DIGITAL TWO-WAY RADIO SYSTEM UPGRADE



Where the Tropics Begin



Financial Services
7 North Dixie Highway
Lake Worth, FL 33460
561.586.1651

RFP 17-201

DIGITAL TWO-WAY RADIO SYSTEM UPGRADE

The City of Lake Worth is seeking proposals from qualified vendors to design and implement a MOTOROLA Linked Capacity Plus digital system. The services being sought include, but are not limited to, Digital Two-Way Radio Communication System, Radio to Radio Recording System, and GPS network functionality for the City. This system will accommodate all communications between all departments, services, and security.

Time is of the essence and any proposal received after **3:00 p.m., Tuesday, November 22, 2016**, whether by mail or otherwise will be returned unopened. Proposals shall be placed in a sealed envelope, marked in the lower left-hand corner with the RFP number, title, and date and hour proposals are scheduled to be received. Proposers are responsible for insuring that their proposal is delivered and stamped by the Financial Services Office personnel by the deadline indicated. The City reserves the right in its sole discretion to reject any or all proposals and/or to waive all nonmaterial irregularities on any and all proposals. All costs and expenses, including reasonable attorney's fees, incurred by any firm in preparing and responding to this RFP are the sole responsibility of the proposer including without limitation any and all costs and fees related to a protest.

Interested parties may obtain a copy of the RFP by contacting the Financial Services Office at (561) 586-1651 or from the City's website at www.lakeworth.org, Purchasing Opportunities. All proposals must be hand-delivered or mailed to:

City of Lake Worth
Financial Services – 2nd Floor
7 North Dixie Hwy
Lake Worth, FL 33461

ENVELOPE MUST BE IDENTIFIED AS RFP 17-201. Small Business participation is strongly encouraged.

BY: *Hirut Darge*
Hirut Darge, Purchasing Agent

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GENERAL INFORMATION

1. PROJECT OBJECTIVE

The City of Lake Worth is seeking proposals from qualified vendors to design and implement a MOTOROLA Linked Capacity Plus digital system. The services being sought include, but are not limited to, Digital Two-Way Radio Communication System, Radio to Radio Recording, and GPS network functionality for the City. This system will accommodate all communications between all departments, services, and security.

A more detailed scope of services is incorporated into this RFP as **Exhibit "A"**.

2. SUBMITTAL OF PROPOSALS

Interested Proposers are invited to submit a complete proposal for consideration. The proposal must address the items requested, clearly and concisely. The City intends to negotiate a contract for the goods and/or services upon selection of the proposal that best satisfies the evaluation criteria.

Time is of the essence and any proposal received after **3:00 p.m., Tuesday, November 22, 2016**, whether by mail or otherwise will be returned unopened. The City will in no way be responsible for delays caused by any occurrence. Proposals shall not be submitted and will not be accepted by telephone, telegram, facsimile or e-mail. Each envelope will be stamped by the Procurement Office personnel with the date and time received. The time of receipt shall be determined by the time clock located in the Procurement Office. Proposals shall be placed in a sealed envelope, marked in the lower left-hand corner with the RFP number, title, and date and hour proposals are scheduled to be received. Proposers are responsible for insuring that their proposal is delivered and stamped by Procurement office personnel by the deadline indicated. At the designated time and place, the City Procurement Official or designee will record the proposals for the record.

The City reserves the right in its sole discretion to reject any or all proposals and/or to waive all nonmaterial irregularities on any and all proposals. All costs and expenses, including reasonable attorney's fees, incurred by any Proposer in preparing and responding to this RFP are the sole responsibility of the Proposer firm including without limitation any and all costs and fees related to a protest. The documents included or incorporated in this RFP constitute the complete set of instructions, scope of work, specification requirements and forms. It is the responsibility of the Proposer to insure that all pages are included. Therefore, all Proposers are advised to closely examine this RFP. All proposals must be typed or written in ink, and must be signed in ink by an officer having authority to bind the Proposer. Signatures are required where indicated; failure to do so shall be cause for rejection of proposal.

3. REGISTRATION

Each Proposer seeking to submit a proposal is requested to **register** with the Procurement Office in order to receive any addenda to this RFP. Please complete the Registration form attached as **Exhibit "B"** and mail, fax or e-mail to the Procurement Office at the address noted below on or before **3:00 p.m., Friday, November 4, 2016**. It is the responsibility of each Proposer to ensure that it receives all addenda. The City shall have no responsibility to provide any addenda issued under this RFP to any Proposer; however, the City will use its best efforts to provide issued addenda to those Proposers registered for this RFP with the City.

Hirut Darge, Purchasing Agent
Financial Services
7 North Dixie Highway
Lake Worth, FL 33461
Phone: (561) 586-1651
hdarge@lakeworth.org

4. **CHANGES AND INTERPRETATIONS**

Changes to this RFP will be made by written addenda. A written addendum is the only official method whereby interpretation, clarification or additional information can be given.

All questions regarding this RFP should be submitted in writing via mail, fax or e-mail and must be received by the above noted Purchasing Agent per RFP Timetable due date for proposals. All questions will be answered via addenda. If a question is not answered, the Proposer should assume all relevant information is contained within this RFP. The City will attempt to not issue any addenda within three (3) business days of the due date of proposals; however, the City reserves the right to issue any addenda at any time prior to the due date and time of proposals.

5. **PROPERTY OF THE CITY**

All materials submitted in response to this RFP become the property of the City. The City has the right to use any or all ideas presented in any response to this RFP, whether amended or not, and selection or rejection of a proposals does not affect this right. No variances to this provision shall be accepted.

6. **RFP TIMETABLE**

The anticipated schedule for this RFP and contract approval is as follows:

- Registration Form Due November 4, 2016 (before 3 PM)
- Questions from Potential Proposers Due November 11, 2016
- Issue Addendum (if necessary) November 15, 2016
- **Proposal Response Due November 22, 2016 (3 PM)**

The City reserves the right to amend the anticipated schedule as it deems necessary.

7. **CONE OF SILENCE**

In accordance with the Palm Beach County Lobbyist Registration Ordinance and the City's procurement code, the City's procurement cone of silence will be in effect as of the deadline to submit a response to this RFP. A complete copy of the City's procurement code is available on-line at municode.com under the City's code of ordinances (sections 2-111 – 2-117). All Proposers are highly encouraged to review the same. In summary, the cone of silence prohibits communication between certain City officials, employees and agents and any entity or person seeking to be awarded a contract (including their lobbyists and potential subcontractors). The cone of silence terminates at the time of award, rejection of all response or some other action by the City to end the selection process.

8. ETHICS REQUIREMENT

This RFP is subject to the State of Florida Code of Ethics and the Palm Beach County Code of Ethics. Accordingly, there are prohibitions and limitations on the employment of City officials and employees and contractual relationships providing a benefit to the same. Proposers are highly encouraged to review both the Florida Code of Ethics and the Palm Beach County Code of Ethics in order to insure compliance with the same.

Further, any Proposer coming before the City Commission for an award of a contract and who has made an election campaign contribution in an amount that is more than one hundred dollars (\$100.00) to any elected official of the City Commission, who is a current sitting member of the Commission, must disclose such election campaign contribution, verbally and in writing, in their responsive proposal to this RFP.

9. DISCLOSURE AND DISCLAIMER

The information contained herein is provided solely for the convenience of Proposers. It is the responsibility of a Proposer to assure itself that information contained herein is accurate and complete. Neither the City, nor its advisors provide any assurances as to the accuracy of any information in this RFP. Any reliance on the contents of this RFP, or on any communications with City representatives or advisors, shall be at each Proposer's own risk. Proposers should rely exclusively on their own investigations, interpretations and analyses in connection with this matter. The RFP is being provided by the City without any warranty or representation, express or implied, as to its content, accuracy or completeness and no Proposer or other party shall have recourse to the City if any information herein contained shall be inaccurate or incomplete. No warranty or representation is made by the City that any proposal conforming to these requirements will be selected for consideration, negotiation or approval.

In its sole discretion, the City may withdraw this RFP either before or after receiving proposals, may accept or reject proposals, and may accept proposals which deviate from the non-material provisions of this RFP. In its sole discretion, the City may determine the qualifications and acceptability of any firm or firms submitting proposals in response to this RFP. Following submission of a proposal, the Proposer agrees to promptly deliver such further details, information and assurances, including, but not limited to, financial and disclosure data, relating to the proposal and/or the Proposer, including the Proposer' affiliates, officers, directors, shareholders, partners and employees, as requested by the City. Any action taken by the City in response to proposals made pursuant to this RFP or in making any award or failure or refusal to make any award pursuant to such proposals, or in any cancellation of award, or in any withdrawal or cancellation of this RFP, either before or after issuance of an award, shall be without any expense, liability or obligation on the part of the City, or their advisors.

Any recipient of this RFP who responds hereto fully acknowledges all the provisions of this Discloser and Disclaimer and agrees to be bound by the terms hereof. Any proposal submitted pursuant to this RFP is at the sole risk and responsibility of the party submitting such proposal.

10. CONTRACT AGREEMENT / COMPENSATION

The terms and conditions of the resulting contract including the fee for the services to be rendered will be negotiated with successful Proposer. If the City and the successful Proposer cannot agree on the terms and conditions of the resulting contract, the City reserves the right to terminate negotiations with the successful Proposers and move to the next ranked Proposer to commence negotiations. Negotiations may continue in this process until the City is able to enter into a contract with a Proposer that best meets the needs of the City.

While the City anticipates awarding one contract, the City reserves the right to award to more than one Proposer if it is in the best interests of the City.

The resulting non-exclusive contract shall be for an initial term of **one (1) year** with **one (1) additional year** renewal options unless earlier terminated in accordance with the resulting contract. The City may exercise such advance written notice of its intention to renew prior to the expiration of the then current term. Each fiscal year of the contract and any renewals will be subject to the availability of funds lawfully appropriated for its purpose by the State of Florida and the City of Lake Worth. The City need not include a lack of appropriations provision in the resulting contract to avail itself of such legal right.

Rates shall remain firm for the **one (1) year** of the resulting contract subject to terms and conditions to be negotiated on requests for consideration of a price adjustment.

11. INSURANCE REQUIREMENTS

Prior to execution of the resulting contract derived from this RFP, the awarded firm shall obtain and maintain in force at all times during the term of the resulting contract insurance coverage as required herein. All insurance policies shall be issued by companies authorized to do business under the laws of the State of Florida. The Certificates shall clearly indicate that the firm has obtained insurance of the type, amount, and classification as required for strict compliance with this provision and that no material change or cancellation of the insurance shall be effective without thirty (30) days prior written notice to the City. Compliance with the foregoing requirements shall not relieve the firm of its liability and obligations under the resulting contract.

- A. The firm shall maintain during the term of the contract, standard Professional Liability Insurance in the minimum amount of \$1,000,000.00 per occurrence.
- B. The firm shall maintain, during the life of the contract, commercial general liability, including public and contractual liability insurance in the amount of \$1,000,000.00 per occurrence (\$2,000,000.00 aggregate) to protect the firm from claims for damages for bodily and personal injury, including wrongful death, as well as from claims of property damages which may arise from any operations under the contract, whether such operations be by the firm or by anyone directly or indirectly employed by or contracting with the firm.
- C. The firm shall carry Workers' Compensation Insurance and Employer's Liability Insurance for all employees as required by Florida Statutes.
- D. The firm shall maintain comprehensive automobile liability insurance in the minimum amount of \$1,000,000 combined single limit for bodily injury and property damages liability to protect from claims for damages for bodily and personal injury, including death, as well as from claims for property damage, which may arise from the ownership, use, or maintenance of owned and non-owned automobiles, including rented automobiles whether such operations be by the firm or by anyone directly or indirectly employed by the firm.

All insurance, other than Professional Liability and Workers' Compensation, to be maintained by the firm shall specifically include the CITY as an "Additional Insured".

12. EVALUATION AND AWARD

The City may assemble an Evaluation Committee to evaluate the proposals. The Evaluation Committee will convene for a public meeting to evaluate and rank the most advantageous proposals and make a recommendation for contract award to the City Commission with or without discussion. The Procurement Agent will notify all submitting Proposers and advertise the Evaluation Committee meeting in the appropriate media as directed by law. The City Commission is not bound by the recommendation of the Evaluation Committee and the City Commission may deviate from the recommendation in determining the best overall responsive proposal which is most advantageous and in the best interest of the City. The selected proposer will be notified in writing with intent to award a contract. Recommended awards will be available for review by interested parties at the Procurement Office.

Each proposal will be evaluated individually and in the context of all other proposals. Proposals must be fully responsive to the requirements described in this RFP and to any subsequent requests for clarification or additional information made by the City through written addenda to this RFP. Proposals failing to comply with the submission requirements, or those unresponsive to any part of this RFP, may be disqualified. There is no obligation on the part of the City to award the proposal to the lowest priced proposer, and the City reserves the right to award the contract to the proposer submitting the best overall responsive proposal which is most advantageous and in the best interest of the City (consistent with the evaluation criteria). The City shall be the sole judge of the proposals and the resulting agreement that is in its best interests.

As part of the evaluation process, the City may conduct an investigation of references, including but not limited to, a record check of consumer affairs complaints. Proposer's submission of their RFP constitutes acknowledgment of the process and consent to the City's investigation. City is the sole judge in determining Proposer's qualifications.

At its sole option, for larger or more complex studies or projects, the City may select the top three to five Proposers and require brief presentations from each Proposer before making the final selection. This requirement is at the sole discretion of the City.

While the City allows Proposers to specify any desired variances to the RFP terms, conditions, and specifications, the number and extent of variances specified will be considered in determining the Proposer who is most advantageous to the City.

Evaluation Scoring Criteria:

The evaluation of the proposals will be conducted in accordance with the following provisions. Scoring is based on a 100-point scale. The following guidelines will be used for the evaluations (with associated weighting). **To be considered "Qualified", a Proposer must receive a minimum aggregate average of 70 points.**

Qualifications by Category	Points Awarded
Professional Hourly Rate Schedule	0 - 25 points
Evidence of Motorola experience & skill	0 - 35 points
Evidence of ability to deliver in specific timeline	0 - 25 points
Minimum three (3) client references	0 - 10 points
Proper licenses and other related certifications or professional awards	0 - 5 points
Total	100 points

13. PROPOSAL FORMAT

Each proposer shall submit **one (1) original, five (5) copies and (1) electronic copy** in a clear, concise format, on 8 1/2" x 11" paper, in English. Each tabbed set shall contain all the information required herein to be considered for award. Omission of required data may be cause for disqualification. Any other information thought to be relevant, but not applicable to the enumerated sections, should be provided as an appendix to the proposal. If publications are supplied by a Proposer to respond to a requirement, the response should include reference to the document number and page number. Proposals not providing this reference will be considered to have no reference materials included in the additional documents.

Proposals must be properly signed in ink by the owner/principal having the authority to bind the firm to this agreement. **Signatures are required where indicated; failure to do so shall be cause for rejection of proposal.**

Only one proposal may be submitted by each Proposer.

Proposals which do not contain or address key points or sufficiently document the requested information may be deemed non-responsive.

All proposals shall be submitted in the format identified below. Failure to submit the required documentation in the format identified may cause the proposal to be rejected.

A. Letter of Transmittal (not to exceed three pages)

This letter will summarize in a brief and concise manner the following:

- General summary of Proposer's business operation; how long in business; general approach to tasks and projects; and, why the Proposer should be selected.
- Proposer's understanding of the scope of services which should include a clear description of services proposed.
- The letter must name all persons or entities interested in the proposal as principals. Identify all of the persons authorized to make representations for the proposer, including the titles, addresses, and telephone numbers of such persons.
- An authorized agent of the proposer must sign the Letter of Transmittal and must indicate the agent's title or authority.
- The individual or firm identified on the Letter of Transmittal will be considered the primary firm.
- If more than one firm is named on the Letter of Transmittal, a legal document showing the partnership, joint venture, corporation, etc. shall be submitted showing the legality of such. Submittal for Joint Venture to include executed Joint Venture agreement and if state law requires that the Joint Venture be registered, filed, funded, or licensed prior to submission of the proposal, then same shall be completed prior to submittal. Proposers shall make their own independent evaluation of the requirements of the state law. The City will not consider submittals that identify a joint partnership to be formed.

B. Addenda (unlimited pages)

This section shall include a statement acknowledging receipt of each addendum issued by the City. Each Proposer is responsible for visiting the City's website to view and obtain addendum.

C. References & Materials (not to exceed 30 pages plus the form).

Proposers shall provide a minimum of three (3) references on the form provided demonstrating their experience & skill. Prior experience & skill with other Florida municipalities is desirable. Proposers are responsible for verifying correct phone numbers and contact information provided. Failure to provide accurate information may result in the reference not being obtained or considered. Samples of materials that would fall into the scope of services herein should be submitted with the proposal.

D. Proof of Licenses (unlimited)

Proposers shall provide proof of required licenses for the firm and scope of services to be performed. This shall include:

- Proof of all applicable licenses for services to be rendered (including registration with State of Florida Division of Corporations if applicable);
- Statement or proof of required insurance; and,
- Proof of Proposer's Business Tax Receipt (as applicable).

E. Evidence of Ability to Deliver on Time (limited to two pages plus resumes)

Proposers shall provide a two-page summary regarding their ability to deliver the requested services in a specific timeframe. Information regarding dedicated staff and current firm workload should be provided. Resumes of key personnel should also be included. Resumes should not exceed two-pages per person. Resumes should include a description of:

- Training, education and degrees.
- Related experience and for whom.
- Professional certifications, licenses and affiliations.

F. Professional Hourly Rate Schedule (limited to two pages)

Proposers are to provide an hourly rate schedule for all principals and personnel who will be providing the requested services. The rates provided will be the basis for tasks and projects issued to the selected proposer.

G. Litigation and/or Terminations (unlimited)

Proposers should provide a summary of any litigation filed against the proposer in the past five (5) years which is related to the services sought in this RFP and that proposer provides in the regular course of business. The summary shall state the nature of the litigation, a brief description of the case, the outcome or projected outcome, and the monetary amount involved. *If none, state as such.*

Proposers shall also state if the proposer has had a contracts for the services sought in this RFP which were terminated for default, non-performance or delay, in the past five (5) years. Proposers shall describe all such terminations, including the name and address of the other contracting party for each such occurrence. *If none, state as such.*

14. REPRESENTATIONS BY SUBMITTAL OF PROPOSALS

By submitting a proposal, the Proposer warrants, represents and declares that:

A. Person(s) designated as principal(s) of the Proposer are named and that no other person(s) other than those therein mentioned has (have) any interest in the proposal or in the anticipated contract.

B. The proposal is made without connection, coordination or cooperation with any other persons, company, firm or party submitting another proposal, and that the proposal submitted is, in all respects, fair and in good faith without collusion or fraud.

C. The Proposer understands and agrees to all elements of the proposal unless otherwise indicated or negotiated, and that the proposal may become part of any contract entered into between the City and the Proposer.

D. By signing and submitting a proposal, Proposer certifies that Proposer and any parent corporations, affiliates, subsidiaries, members, shareholders, partners, officers, directors or executives thereof are not presently debarred, proposed for debarment or declared ineligible to bid or participate in any federal, state or local government agency projects.

E. Pursuant to 287.133, Florida Statutes, a person or affiliate who has been placed on the convicted firm list maintained by the State of Florida may not submit a proposal to the City of Lake Worth for 36 months following the date of being placed on the convicted firm list. Proposer certifies that submittal of its proposal does not violate this statute.

F. Proposer recognizes and agrees that the City will not be responsible or liable in any way for any losses that the Proposer may suffer from the disclosure or submittal of proposal information to third parties.

15. PROTESTS

Any actual Proposer who is aggrieved in connection with this RFP may protest such procurement. The protest must be filed with the City in accordance with the City's procurement code. A complete copy of the City's procurement code is available on- line at municode.com under the City's code of ordinances (sections 2-111 – 2-117). The protest procedures are set forth at section 2-115. There are strict deadlines for filing a protest. Failure to abide by the deadlines will result in a waiver of the protest.

16. EXHIBITS

This RFP consists of the following exhibits (which are incorporated herein by reference):

- A. Exhibit "A" Scope of Services
- B. Exhibit "B" Registration Form (should be submitted)
- C. Exhibit "C" Proposer Information Form (must be submitted)
- D. Exhibit "D" Drug Free Workplace Form (must be submitted)
- E. Exhibit "E" References (must be submitted)

17. COMPLIANCE

All proposals received in accordance with this RFP shall be subject to applicable Florida Statutes governing public records including without limitation Chapter 119, Florida Statutes. If any Proposer believes its proposal contains exempt or confidential information, the Proposer must identify the same at the time of submission of its proposal. Failure to do so may result in the waiver of such exemption or confidentiality.

END OF GENERAL INFORMATION

EXHIBIT "A"

SCOPE OF SERVICES

INTRODUCTION

The City of Lake Worth is requesting proposals from qualified individuals or firms for the supply and deployment of a MOTOROLA MOTOTRBO digital radio system which will cover all of City of Lake Worth Service territory. The project includes, at a minimum: seventy eight (78) MOTOROLA XPR 7550e digital portable radios, seven (7) MOTOROLA SL 7550e digital portable radios, seventy one (71) MOTOROLA XPR 5550e digital mobile radios, MOTOROLA Impress Battery Technology, GPS tracking system on a dedicated data revert channel, and a Radio 2 Radio Recording System for dispatchers compatible with MOTOROLA MOTOTRBO solutions.

BACKGROUND

This project is being pursued to allow The City of Lake Worth to have integrated communications with all of its service branches across all of its service area, thereby enhancing communications, and simplifying operating requirements. This system will allow clear communications across the entire City of Lake Worth service area, allowing City of Lake Worth to provide safer, more efficient customer service.

SCOPE OF WORK

The successful proposer shall be responsible for providing, installing and ensuring the proper operation of the radio equipment. Successful proposers must be a factory authorized dealer or distributor of the product bid and is qualified and equipped to offer in-house service, maintenance and technical training assistance, including availability of spare parts and replacement units as set by the manufacturer guidelines for the proposed equipment. The successful proposer will design and submit the radio system to comply with the current regulations as well as the requests contained in this RFP from the City of Lake Worth.

SPECIAL PROVISIONS

Proposer is responsible for the procurement of all necessary band-width and will ensure that there will be sufficient data coverage for all City of Lake Worth radios. The City currently has a registered UHF FCC license, UHF Antenna, and two (2) SL 5700 Motorola Digital repeaters that are to be integrated into the system solution by the successful proposer. Propose only new, unused equipment. No obsolete or soon-to-be-phased out equipment may be included in the proposal. The City will not accept refurbished equipment or equipment deemed to be a factory second or blemished. The City of Lake Worth reserves the right to reject any equipment with visible damage.

Proposals shall consist of one manufacturer of equipment to complete the entire two-way radio system. The City will not accept the mixing of multiple brands of equipment to complete the system. Exceptions may be accepted on non-radio equipment upon approval of The City of Lake Worth staff. Installation of equipment will be at a location and time to be determined by City of Lake Worth staff.

Proposals shall be based at a minimum 6 talk-groups consisting of the following channels in each:

1. Water Department - 2 Dispatchers
2. Electric Department - 2 Dispatchers
3. Meter Shop Department - 1 Dispatcher
4. Public Services Department
5. Engineering Department
6. Maintenance

The talk-around channel should be accessible to all radios on the trunk.

RADIO INVENTORY

CLWU Radio Count 10/12/16								
No.	DEPARTMENT	PORTABLE RADIOS	MOBILE RADIOS	DESKTOP RADIOS	PORTABLE SINGLE CHARGERS (IMPRES)	PORTABLE MULTI-CHARGER STATION (6 slots / IMPRES)	TALKGROUP NAME	TALKGROUP #
1	T&D ELECTRIC	15	19	0	1	3	LWU - ELECTRIC	2
2	SYSOPS	3	0	0	3	0	LWU - ELECTRIC	2
3	ENGINEERING	7	0	0	5	0	LWU - ELECTRIC	2
4	METERSHOP	11	11	0	11	0	LWU - METERSHOP	3
5	CITYHALL	1	0	0	1	0	LWU - ELECTRIC	0
	TOTAL	37	30	0	21	3		

No.	DEPARTMENT	PORTABLE RADIOS	MOBILE RADIOS	DESKTOP RADIOS	PORTABLE SINGLE CHARGERS	PORTABLE MULTI-CHARGER STATION (6 slots)	TALKGROUP NAME	TALKGROUP #
1	WATER TREATMENT PLANT	13	3	0	7	1	LWU - WATER	1
2	WATER DISTRIBUTION	20	20	0	14	2	LWU - WATER	1
	TOTAL	33	23	0	21	3		

No.	DEPARTMENT	PORTABLE RADIOS	MOBILE RADIOS	DESKTOP RADIOS	PORTABLE SINGLE CHARGERS	PORTABLE MULTI-CHARGER STATION (6 slots)	TALKGROUP NAME	TALKGROUP #
1	PUBLIC SERVICES	15	18	0	15	0	PUBLIC SERVICES	4
	TOTAL	15	18	0	10	0		

GPS Capabilities And Fleet Monitoring

Proposals should include a GPS tracking system that allows users to track and manage fleets in real-time via a web browser on a desktop, tablet or mobile phone. Manage mobile assets, increase personnel safety, audit vehicle routes and create comprehensive reports to optimize efficiency. The application should be easy to operate and can be applied to a wide range of applications for both mobile and portable radio fleets.

SYSTEM MONITORING

A system-monitoring terminal or web application that will provide total radio system monitoring and diagnostics. The System Monitoring package shall include all necessary equipment, software, cables and wiring for installation and proper operation by City of Lake Worth employees and meet or exceed the following specifications:

- User-friendly operation
- Complete monitoring of the City of Lake Worth radio system
- Data logging with the ability to print or store activity
- Identify users and activity
- Complete system diagnostics

WARRANTY

The successful bidder shall provide warranty on all Motorola equipment under this Contract for a period of three (3) years. The warranty shall guarantee the equipment to be free of defects in materials and workmanship under normal usage and conditions for this period. The warranty shall begin upon City of Lake Worth's final acceptance of all work. In the event of shipment of equipment, the successful bidder shall pay shipping costs to return or replace the equipment to the City of Lake Worth. The warranty shall also cover any costs incurred to reprogram and reinstall the equipment. Bidders are expected to include with their bid all warranty information pertaining to the equipment proposed in the Bid.

TESTING

The successful bidder shall perform comprehensive and thorough testing of the two-way radio system once work is complete. Final approval from the City of Lake Worth is contingent, but not limited to, the system passing all phases of testing.

TRAINING

The successful bidder shall provide comprehensive and thorough training to City of Lake Worth staff to adequately operate and maintain the two-way radio system. This training shall include, but not be limited to, proper operation, user programming, and troubleshooting of radios and related equipment.

MAINTENANCE

The successful proposer shall provide a comprehensive maintenance service plan to include testing, replacement, and repair as necessary of all equipment installed for the entire radio system. Include the cost for the first three (3) years of the City of Lake Worth two-Way Radio, along with the cost for an additional two (2) one-year options.

COMPLIANCE

Only propose equipment that will properly operate according to all FCC and Federal, State, and local regulations.

CERTIFICATIONS

The successful bidder shall provide proof of being a reseller in good standing with Motorola who has met the criteria within Motorola's PartnerEmpower Program to be designated as a Platinum Channel Partner and Professional and Commercial Radio Elite Specialist in the State of Florida. The successful bidder shall have a Motorola Certified Service Center in the State of Florida and be a Motorola authorized service partner employing certified, insured technicians authorized to provide onsite Motorola in-warranty repair services.

RADIO / REPEATER SPECIFICATIONS

Model Number	Description
AAR10QCGANQ1AN	Motorola SLR 5700 UHF Repeater 1-50W 2 Year Warranty
HKLN4427	Single Site CapacityPlus Trunking System Upgrade
HKVN4048**	Enhanced Scheduled GPS License
HKVN4177*	Restricted Access to System Security
HKVN4205*	Data Network Application Interface (IP Wireline Data Gateway)
HKVN4055**	Enhanced Scheduled GPS License
HKVN4178*	Restricted Access to System Security
PMLE4548	Rack Mount Duplexer/Filter Enclosure Kit (includes mounting screws)
DSCP10725UNTUNED	UHF Duplexer - Untuned 406-500 MHz
HFE8459	UHF Preselector, 440-474 MHz
DSJ9782	HP Procurve 2530-24 Ethernet Switch or Equivalent

Model Number	Description
AAH56RDN9RA1_N	MOTOROLA XPR™ 7550e Display with Color Display, GPS, Bluetooth, Expansion Card - ENABLED Models
STDBAT0871	Standard Battery - IMPRES Li Ion IP68 3000mAh, Submersible
STDCHG0871	Standard Charger - IMPRES Single Unit Charger
QA02302	UHF Stubby Antenna 440-490 MHz (PMAE4070)
STDRSA0871	Standard 2-Year Warranty + 1-Year Service from the Start LITE (3 years of coverage)
HKVN4413	MOTOTRBO License Capacity Plus (Single Site)
HKVN4381	MOTOTRBO LicenseWi-Fi
HKVN4249	MOTOTRBO Bluetooth Voice, Programming, Data and Discoverable Mode
HKVN4373	Single Input Noise Cancellation Upgrade (SINC+)
HKVN4179	Built In Man Down
HKVN4281	Text to Speech for Channels, Zones, Programmable Buttons, Text Messages, and Job Tickets

Model Number	Description
AAH81TCN9TA2AN	MOTOROLA SL 7550e UHF 450-512M 3W ENG FKP WiFi GOB - Enabled
STDBAT0682	Standard Battery - BT100x 2300T mAh Li-Ion Battery (PMNN4468) and Cover
STDCHG0682	Standard Charger - Micro USB Charger, Non-Vehicular (PMPN4009)
QA02813	ADD: SL Series Tri-Unit Charger (PMLN6701)
STDBLT0682	Standard Carry Holder - Carry Holder (PMLN5956)
STDWAR0682	Standard 2-Year Warranty + 1-Year Service from the Start LITE (3 years of coverage)
HKVN4281	Text to Speech for Channels, Zones, Programmable Buttons, Text Messages, and Job Tickets
HKVN4373	MOTOTRBO License Enhanced Noise Cancellation (SINC+)
PMLN7040	Soft Leather Carry Case with 1.5" Swivel Belt Clip
PMNN4468	ADD: Spare B100x 2300T Li-Ion Battery

Model Number	Description
AAM28TRN9KA1_N	MOTOROLA XPR™ 5550e UHF Digital "ENABLED" Mobile 1-40W 450-512 MHz
STDMIC0511	Standard Compact Microphone for VHF & UHF
STDBKT0511	Standard Mounting Bracket for VHF & UHF
STDCBL0511	Standard Power Cable for VHF & UHF
STDRSA0511	Standard 2 Year Warranty + 1 Year Service from the Start -LITE (3 yrs coverage)
HKVN4413	MOTOTRBO License Capacity Plus (Single Site)
HKVN4381	MOTOTRBO LicenseWi-Fi
HKVN4249	MOTOTRBO Permanent Discoverable & Data Transfer Services via Bluetooth
HKVN4281	Text to Speech for Channels, Zones, Programmable Buttons, Text Messages, and Job Tickets
PMAE4033	Combination GPS/UHF, 3.5dB Gain Through-hole Mount Mount Antenna (450-470MHz)
HPN4007	Control Station Power Supply and Cable (1-60 Watt Models)
GLN7318	Control Station Desktop Tray without Speaker
RMN5050	Control Station Desktop Microphone

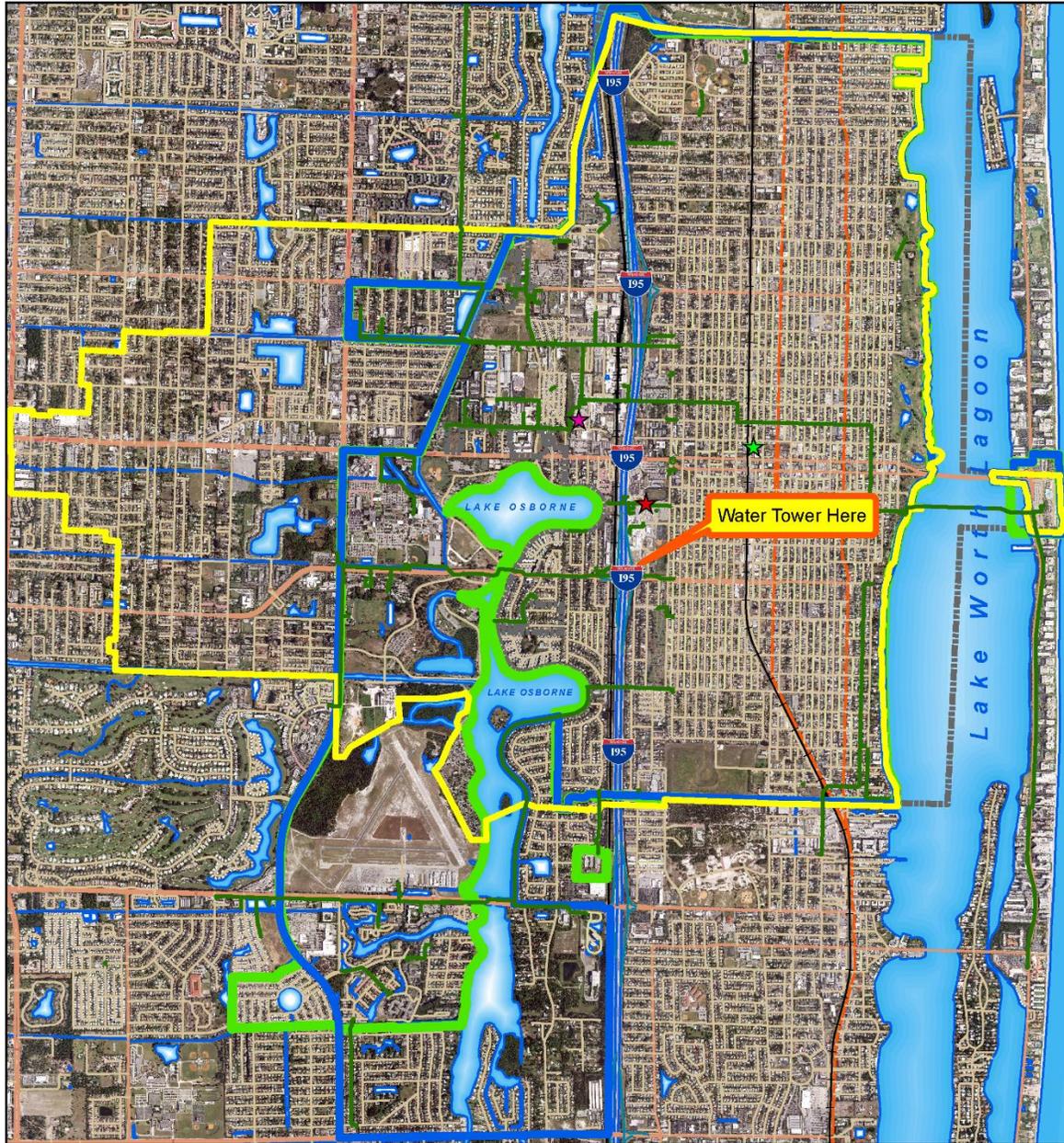
Model Number	Description
WPLN4219	IMPRES Multi Unit Portable Charger with Displays

LAKE WORTH SERVICE AREA



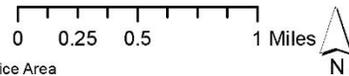
City of Lake Worth
The Art of Florida Living

City Utilities Service Area



Map Legend

- | | | |
|----------------------------|-----------------------|----------------------|
| ★ Electric Administration | Sanitary Service Area | Potable Service Area |
| ★ Information Technologies | Water Tower | Sewer Force Mains |
| ★ System Operations | Electric Service Area | Municipal Boundary |



UHF ANTENNA SPECIFICATIONS

COL45 Series

UHF Meander™ Collinear

380-520 MHz



This range of Meander™ collinear antennas have been specifically designed for UHF applications requiring high performance, strong bandwidth and exceptional PIM specifications.

The patented Meander™ collinear element design allows multiple half wave elements to be stacked without the variations in cable lengths and mechanical joints which have typified the construction techniques in high gain collinear antennas. With each dipole element being printed on a single sided PCB the susceptibility to passive intermodulation is practically eliminated. Placing the elements on a board not only controls PIM but also removes manufacturing variations so that each and every antenna will provide the same pattern, tilt and VSWR characteristics over it's operating bandwidth. Consistency is guaranteed and a cost effective, reliable, high performance, low PIM antenna results.

The radome and mounting tube support this high performance antenna in a truly rugged package. Everything about these Meander™ collinears reflects the new demand for unquestioned performance electrically and physically in the most demanding public safety and industrial applications, where nothing can be left to chance.

The antenna has set frequency bands with the common bands generally available in stock.

- Strong Bandwidth
- Internally DC grounded for lightning protection and reduction of precipitation noise
- Tightly controlled radiation patterns for optimum coverage
- Patented PCB design for optimum RF pattern stability
- Full band coverage
- **Industry leading PIM ratings (-150dBc) providing low IM and low noise characteristics for optimum performance.**



USA Patent: 6,909,403

European Patent: 1411588

Australian Patent: 2003255049

China Patent: ZL200310100548.5

India Patent: 254674



RFI
2023 Case Parkway North
Twinsburg, OH 44087
Phone: 330 486 0706
Fax: 330 486 0705

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UHF ANTENNA SPECIFICATIONS (CONT.)

COL45 Series

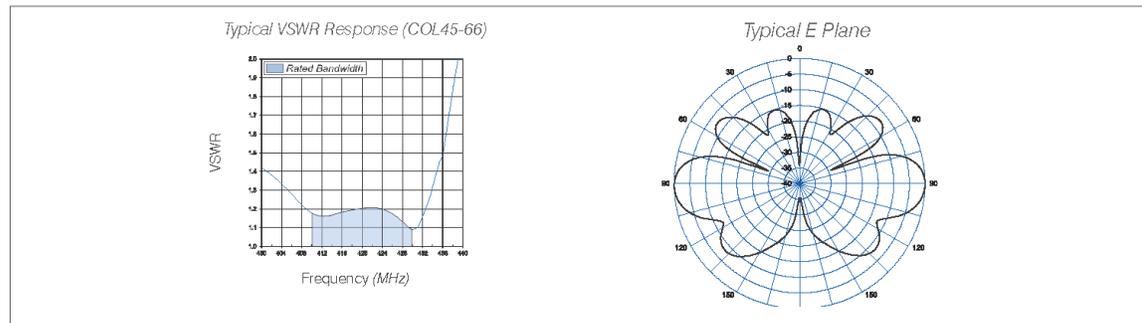
UHF Meander™ Collinear

380-520 MHz



Electrical Specifications						
Model Number	COL 45-58	COL45-65	COL45-66	COL45-70	COL45-71	COL45-72
Nominal Gain <i>dBi</i> (<i>dBi</i>)	7 (9.1)					
Frequency <i>MHz</i>	380 - 400	400 - 420	400 - 430	450 - 470	470 - 490	490 - 520
Tuned Bandwidth <i>MHz</i>	20	20	30	20	20	30
VSWR	<1.5 :1					
Nominal Impedance <i>Q</i>	50					
Vertical Beamwidth*	12.5					
Horizontal Beamwidth*	Omni +/- 0.5dB					
Input Power <i>Watts</i>	250					
Passive IM 3rd order (2x20W) <i>dBc</i>	-150					
Peak Instantaneous Power <i>AW</i>	25					

Mechanical Specifications							
Model Number	COL 45-58	COL45-65	COL45-66	COL45-70	COL45-71	COL45-72	
Construction	Composite fibreglass sky blue radome, aluminum mounting tube						
Length <i>in</i>	132	122	119	111	107	103	
Radome Diameter <i>in</i>	1.5						
Weight <i>lbs</i>	9			8			
Shipping Weight <i>lbs</i>	25			23			
Shipping Dimensions <i>inches</i>	H	3					
	W	3					
	L	138	128	128	118	114	110
Termination	7/16" DIN fixed female						
Mounting Area <i>in</i>	20" x 2" diam. aluminum						
Suggested Clamps (not included)	UC12						
Projected area <i>ft²</i>	no ice	1.6	1.5	1.5	1.4	1.3	1.3
	with ice	2.7	2.5	2.5	2.2	2.1	2.0
Lateral (Thrust) @ 100mph <i>lbs</i>	40	37	37	34	33	32	
Wind Gust Rating <i>mph</i>	>150						
Torque @ 100mph <i>ft-lbs</i>	163	136	130	106	98	88	



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RADIO STATION AUTHORIZATION

REFERENCE COPY

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Federal Communications Commission Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: LAKE WORTH, CITY OF

ATTN: UTILITIES DIRECTOR
LAKE WORTH, CITY OF
1900 2ND AVE. NORTH
LAKE WORTH, FL 33461

Call Sign WQPL571	File Number 0007018541
Radio Service YG - Industrial/Business Pool, Trunked	
Regulatory Status PMRS	
Frequency Coordination Number 20151106103633	

FCC Registration Number (FRN): 0001803972

Grant Date 06-20-2012	Effective Date 11-10-2015	Expiration Date 06-20-2022	Print Date 11-11-2015
---------------------------------	-------------------------------------	--------------------------------------	---------------------------------

STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

- Loc. 1 Address:** 1/4 MILE SOUTH OF 115 SOUTH COLLEGE
City: LAKE WORTH County: PALM BEACH State: FL
Lat (NAD83): 26-36-35.2 N Long (NAD83): 080-04-02.9 W ASR No.: Ground Elev: 7.0
- Loc. 2 Area of operation**
Operating within a 40.0 km radius around fixed location 1
- Loc. 3 Area of operation**
Land Mobile Control Station meeting the 6.1 Meter Rule: PALM BEACH county, FL

Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meters	Construct Deadline Date
1	1	000153.69500000	FB2	1		11K0F3E 7K60FXW	100.000	200.000	54.0	59.0	06-20-2013
1	1	000461.57500000	FB2	1		11K0F3E 7K60FXW	50.000	50.000	54.0	59.0	11-10-2016
1	1	000461.70000000	FB2	1		11K0F3E 7K60FXW	50.000	50.000	54.0	59.0	11-10-2016

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

RADIO STATION AUTHORIZATION (CONT.)

Licensee Name: LAKE WORTH, CITY OF

Call Sign: WQPL571

File Number: 0007018541

Print Date: 11-11-2015

Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meters	Construct Deadline Date
2	1	000158.26500000	MO	100		11K0F3E 7K60FXW	50.000	45.000			06-20-2013
2	1	000158.26500000	MO	100		11K0F3E 7K60FXW	5.000	4.000			06-20-2013
2	1	000466.57500000	MO	100		11K0F3E 7K60FXW	50.000	45.000			11-10-2016
2	1	000466.70000000	MO	100		11K0F3E 7K60FXW	50.000	45.000			11-10-2016
3	1	000158.26500000	FX1	2		11K0F3E 7K60FXW	50.000	50.000			
3	1	000466.57500000	FX1	2		11K0F3E 7K60FXW	50.000	50.000			
3	1	000466.70000000	FX1	2		11K0F3E 7K60FXW	50.000	50.000			

Control Points

Control Pt. No. 1

Address: 115 SOUTH COLLEGE

City: LAKE WORTH **County:** PALM BEACH **State:** FL **Telephone Number:** (561)586-1701

Associated Call Signs

Waivers/Conditions:

NONE

RADIO MATRIX

CLWU Radio Count 10/12/16								
No.	DEPARTMENT	PORTABLE RADIOS	MOBILE RADIOS	DESKTOP RADIOS	PORTABLE SINGLE CHARGERS (IMPRES)	PORTABLE MULTI-CHARGER STATION (6 slots / IMPRES)	TALKGROUP NAME	TALKGROUP #
1	T&D ELECTRIC	15	19	0	1	3	LWU - ELECTRIC	2
2	SYSOPS	3	0	0	3	0	LWU - ELECTRIC	2
3	ENGINEERING	7	0	0	5	0	LWU - ELECTRIC	2
4	METERSHOP	11	11	0	11	0	LWU - METERSHOP	3
5	CITYHALL	1	0	0	1	0	LWU - ELECTRIC	0
	TOTAL	37	30	0	21	3		

No.	DEPARTMENT	PORTABLE RADIOS	MOBILE RADIOS	DESKTOP RADIOS	PORTABLE SINGLE CHARGERS	PORTABLE MULTI-CHARGER STATION (6 slots)	TALKGROUP NAME	TALKGROUP #
1	WATER TREATMENT PLANT	13	3	0	7	1	LWU - WATER	1
2	WATER DISTRIBUTION	20	20	0	14	2	LWU - WATER	1
	TOTAL	33	23	0	21	3		

No.	DEPARTMENT	PORTABLE RADIOS	MOBILE RADIOS	DESKTOP RADIOS	PORTABLE SINGLE CHARGERS	PORTABLE MULTI-CHARGER STATION (6 slots)	TALKGROUP NAME	TALKGROUP #
1	PUBLICSERVICES	15	18	0	15	0	PUBLICSERVICES	4
	TOTAL	15	18	0	10	0		

The City reserves the right to delete or amend any of the services as listed and described herein in negotiations with the selected firm.

END OF SCOPE OF SERVICES

EXHIBIT "B"

RFP 17-201

REGISTRATION FORM

Proposers should complete and return this form to the Procurement Office prior **3:00 P.M. EST, November 4, 2016** in order to receive any addenda(s) issued for this RFP.

It is the responsibility of the Proposer to ensure its receipt of all addenda.

Name of Company: _____

Contact Person: _____ Title: _____

Street: _____

City: _____ State: _____ Zip: _____

Telephone (_____) _____ Fax (_____) _____

E-Mail Address: _____

Preferred Method of Receipt: Fax E-Mail

EXHIBIT "C"

RFP 17-201

PROPOSER INFORMATION PAGE

Company Name: _____

Authorized
Signature: _____
Signature Print Name

Title: _____

Physical
Address: _____
Street

City State Zip Code

Telephone: _____ Fax: _____

Email Address: _____

Web Site (if applicable): _____

Federal Identification Number: _____
This is a requirement of every Proposer.

EXHIBIT "D"

RFP 17-201

CONFIRMATION OF DRUG-FREE WORKPLACE

In accordance with Section 287.087, Florida Statutes, whenever two or more proposals are equal with respect to price, quality, and service which are received by any political subdivision for the procurement of commodities or contractual services, a proposal received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. In order to have a drug-free workplace program, a business shall:

(1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

(2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.

(3) Give each employee engaged in providing the commodities or contractual services that are under proposal a copy of the statement specified in subsection (1).

(4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than 5 days after such conviction.

(5) Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by, any employee who is so convicted.

(6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign this statement on behalf of _____, I certify that _____ complies fully with the above requirements.

Authorized Representative's Signature

Date

Name:

Position:

EXHIBIT "E"

RFP 17-201

REFERENCES

List below or on an attached sheet similar references per RFP requirements for providing Digital Two-Way Radio System Upgrade services: Provide the name, addresses and telephone numbers of organizations, governmental or private, for whom you now are, or have **within the past three (3) years** provided services. (THIS FORM MAY BE COPIED).

#1 REFERENCE

Name of Client: _____

Address: _____

Phone No.: (____) _____ Fax: (____) _____

Contact Person Name: _____ Title: _____

Description of services: _____

_____.

#2 REFERENCE

Name of Client: _____

Address: _____

Phone No.: (____) _____ Fax: (____) _____

Contact Person Name: _____ Title: _____

Description of services: _____

_____.

#3 REFERENCE

Name of Client: _____

Address: _____

Phone No.: (____) _____ Fax: (____) _____

Contact Person Name: _____ Title: _____

Description of services: _____

_____.