



**JEFFERSON COUNTY**  
**DEPARTMENT OF ADMINISTRATIVE SERVICES**  
729 MAPLE ST / PO BOX 100  
HILLSBORO MO 63050  
WWW.JEFFCOMO.ORG

**Invitation for Bid: RADIO SYSTEM NARROW BANDING**      **Date Issued: 4-18-11**

BIDS SHALL BE ACCEPTED UNTIL: **TUESDAY, MAY 17, 2011**, AT 2:00 P.M. LOCAL TIME.

**Specification  
Contact:**

**WILLIAM KOEHRER**  
Department of Public Works  
636-797-5369

**Contract  
Contact:**

**VICKIE PRATT**  
Department of Administrative Services  
636-797-5382

**Mail (3) Three  
Complete Copies  
With Vendor And  
Bid Information As  
Shown In Sample:**

SAMPLE ENVELOPE

*VENDOR NAME*  
*VENDOR ADDRESS*  
*CONTACT NUMBER*

**DEPARTMENT OF THE COUNTY CLERK**  
**JEFFERSON COUNTY MISSOURI**  
**729 MAPLE ST / PO BOX 100**  
**HILLSBORO MO 63050-0100**

**SEALED BID: (BID NAME)**

**Contract Term:  
6-13-11 to 6-12-12**

The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful bidder. Price increases for renewals are not authorized unless approved in writing by the County.

**Vendor  
Information:**

**Company Name** \_\_\_\_\_ **Authorized Agent (Print)** \_\_\_\_\_

**Address** \_\_\_\_\_ **Signature** \_\_\_\_\_

**City/State/Zip Code** \_\_\_\_\_ **Title** \_\_\_\_\_

**Telephone #** \_\_\_\_\_ **Date** \_\_\_\_\_ **Tax ID #** \_\_\_\_\_

**E-mail** \_\_\_\_\_ **Fax #** \_\_\_\_\_

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## **1.0 BID REQUIREMENTS**

**Bidder shall initial all pages and return where the Bid Document denotes**

**“BIDDER”S INITIALS:\_\_\_\_\_”**

### **1.1 BID SUBMISSION:**

Submit bid form in triplicate (three copies) with specification pages, if applicable. No facsimile bids shall be accepted and shall be rejected. The Vendor prior to the submission dead line as stated on page 1 must submit all bids. Late bids will not be accepted and returned to the vendor unopened. The County reserves the right to request additional written or oral information from Respondents in order to obtain clarification. A fully executed Affidavit is required by Section 285.530 RSMo and shall be submitted with the bid form. A copy of the Affidavit is attached hereto. Failure to execute the Affidavit shall result in the bid being rejected.

### **1.2 BASIS OF BID AWARD:**

Award may be made on an item-by-item basis to the lowest and best bidder(s) or award may be made to the lowest and best bid total, whichever provides the greatest value to the County from the standpoint of suitability to purpose, quality, service, previous experience, price, ability to deliver, or any other reason deemed to be in the best interest of the County. Quantities stated herein represent an estimate for the period stated. Orders shall be placed for actual requirements as needed. The County may reject any or all bids for any reason and may waive any informality. Bids submitted from a Missouri State Contract shall include a copy of the State Contract with the bid. Bid award does not constitute an order or obligation to order by the County. The issuance of a Purchase Order Number shall be construed as acceptance of a Contract with all terms, conditions, and prices firm during the length of the agreement terms.

### **1.3 BID AWARD:**

It is further agreed that the Contract shall not be valid and binding upon the County until approved by the County Counselor, as to legal form and is subject to the Ordinances, Resolutions and Orders of Jefferson County, Missouri, and State and Federal Law. If no Bid or Bids have been awarded by the County Council within thirty (30) days following the opening of the bids then all bids will be deemed Rejected.

### **1.4 BID PREPARATION:**

1. Bidders are responsible for examination of drawings, specifications, schedules and instructions. Failure to do so will be at the bidder's risk.
2. Each bidder shall furnish the information required by the invitation. The bidder shall sign all required documents. All deletions and erasures shall be initialed
3. Alternate bids for supplies or services other than specified shall not be considered unless authorized by invitation.
4. Bidder shall state a definite time for delivery of goods or for performance of services unless otherwise specified in the invitation for bid.
5. When specified, samples must be timely submitted and at no expense to the County.
6. Failure to adhere to all requirements may result in the response being disqualified as non-responsive.

### **1.5 MODIFICATION OR WITHDRAWAL OF BIDS:**

Bids may be modified or withdrawn prior to the exact hour and date specified for receipt of bids, provided the modification or withdrawal is in writing and is delivered in the same manner as a bid submission.

### **1.6 LATE BIDS:**

It is the responsibility of the bidder to deliver his bid or bid modification on or before the date and time of the bid closing to the Department of the County Clerk. Bids received late will be rejected and returned unopened to the bidder.

### **1.7 BID DEPOSITS:**

Bid Deposits are not required unless specified in the specifications.

### **1.8 MATERIAL AVAILABILITY:**

Bidders must accept responsibility for verification of material availability, product schedules and other pertinent data prior to submission of bid and delivery time. It is the responsibility of the bidder to notify the County immediately if the materials specified are discontinued, replaced, or not available for an extended period of time. All materials ordered by the County, shall be as needed. A sample of materials may be requested.

### **1.9 ALTERNATE BIDS:**

Alternate Bids for items will be accepted except when stated “**NO SUBSTITUTIONS**”. Bidders must submit complete specifications on all alternate bids with the bid form. Alternate bids without complete specifications may be rejected. Alternate

bids and exceptions to bid clauses must be clearly noted on the bid form. The County may accept or reject alternate bids; whatever is most advantageous to the County.

#### **1.10 INCORPORATION OF DOCUMENTS:**

The terms of the Bid Invitation, Bid Specifications, Bid Form are incorporated into the contract as if fully setout therein.

#### **1.11 ADDENDA:**

Addenda to bid specifications are incorporated by reference as if fully setout herein. It is the responsibility of the vendor to insure and verify that they are in receipt of and completed all attached addenda's prior to submission of bid forms. Verification is made by contacting the Office of Contracts and Grants at (636) 797-5382, or by reviewing the County Web Site. ([www.jeffcomo.org](http://www.jeffcomo.org)).

#### **1.12 INSURANCE:**

The Vendor/Contractor shall purchase and maintain in force, with an insurance company licensed to do business in the State of Missouri, at it's own expense, such insurance as will protect the Vendor/Contractor from claims which may arise out of or result from the Vendor/Contractor's execution of the work, whether such execution be by himself, his employees, agents, or by anyone for whose acts any of them may be liable. If any such work covered by the Contract is to be performed on County owned or leased premises, the Vendor agrees to carry liability and workman's compensation insurance, satisfactory to the County, and to indemnify the County against all liability, loss, and damage arising out of any injuries to persons and property caused by the Vendor, his sub-contractors, employees or agents. The insurance coverage shall be such as to fully protect the County and the general public from any and all claims for injury and damage resulting by any actions on the part of the Vendor/Contractor or its' forces as enumerated above. All policies must name the County as an additional insured and provide for thirty (30) days written prior to any material changes or cancellation.

**THE COUNTY REQUIRES ORIGINAL CERTIFICATES OF INSURANCE BEFORE THE CONTRACT IS AWARDED.**

**A. (X)      Required      ( )      Not Required      **Comprehensive General Liability Insurance****

The Vendor/Contractor shall maintain and keep in force of this Contract such comprehensive general liability insurance as shall protect them from claims which may arise from operations under this Contract, whether such operations be by themselves or by anyone directly or indirectly employed by them. The amounts of insurance shall be not less than \$1,000,000.00 combined single limit for any one occurrence covering both bodily injury and property damage, including accidental death.

**B. (X)      Required      ( )      Not Required      **Professional Liability Insurance****

The Vendor/Contractor shall provide the County with proof of Professional Liability Insurance, which shall protect the County against any and all claims, which might arise as a result of the operation of the Vendor/Contractor in fulfilling the terms of this Contract during the life of the Contract. The minimum amounts of such insurance will be \$1,000,000.00. Should any work be subcontracted, these limits will also apply.

**C. (X)      Required      ( )      Not Required      **Worker's Compensation Insurance:**  
per Missouri Revised Statutes Chapter 287**

The Vendor/Contractor shall maintain and keep in force of this Contract such worker's compensation insurance limits as required by the statutes of the State of Missouri and Employer's Liability with limits no less than \$500,000.00.

#### **1.13 BID SUBMISSIONS**

Bids submitted on separate forms are NOT acceptable unless specified in the Bid Document. Failure to complete bid forms to the satisfaction of the County may result in rejection of your bid. It is the responsibility of each bidder before submitting a bid to examine ALL documents thoroughly, and request written or oral interpretation of clarifications soon after discovering any conflicts, ambiguities, errors, or omissions in the bidding documents. Request for clarification must be received prior to bid openings.

#### **1.14 BID OPENINGS**

Bids will be publicly opened and read aloud at the time indicated on page 1. The bidders and the public are invited but not required to attend the formal opening of the bids. No decisions relating to the award of a contract or agreement will be made at the opening.

#### **1.15 BID TABULATIONS**

Bid Tabulations are not available for 5 to 7 business days following the Bid Opening. Bid submissions are open for public review at the time of the Bid Opening. Bid tabulations are posted on the County's web-site address, [www.jeffcomo.org](http://www.jeffcomo.org). **NO COPIES** of bid tabulations are sent to vendors.

## **2.0 BID RESPONSE AND CONTRACT**

### **2.1 BIDDER REPRESENTATIONS:**

The Bidder, by executing the Bid form certifies that:

- A. The bid complies with Invitation for Bid form and Bid Specifications.
- B. Bidder is not debarred or suspended from participation in Federal Assistance programs.

### **2.2 TAXES:**

No bid or proposal shall be awarded by Jefferson County unless the prospective bidder provides proof that the bidder does not owe delinquent real or personal property taxes to Jefferson County. The prospective bidder may be required to provide proof in the form of an original paid tax receipt issued by the Jefferson County Collector or a statement obtained from the Jefferson County Assessor that the applicant does not own any real or personal property in Jefferson County.

### **2.3 CERTIFICATION OF INDEPENDENT PRICE DETERMINATION:**

- A. The prices in the bid shall be independently determined, without consultation, communication, or agreement for the purpose of restricting competition as to any matter relating to price with any bidder or other person.
- B. Unless otherwise required by law, the prices shall not have been knowingly disclosed by the bidder prior to opening.
- C. No attempt has been made or will be made by the bidder to induce any other person or firm to submit or not to submit a bid.

### **2.4 PRICE:**

The price(s) specified in this bid shall be firm and not subject to contingency or reservation. If the Vendor fails to honor stated prices as submitted in the Bid Form or Contract, the County reserves the right to obtain the same items from the next lower vendor who submitted a bid price for the item. The original vendor shall be responsible for the difference in price and required to make restitution to the County for the difference in price. The bidder represents prices specified in the bid do not exceed current selling price for the same or substantially similar good or service, and are the same as or lower than other prices charged to the bidder's most favored customer. In the event the stated prices are determined to be higher than the prices for which Supplier has sold the items, or services, to others, this contract price shall be reduced accordingly. **Bid prices are ALL INCLUSIVE: (Shipping, Handling, Delivery, and Assembly to locations specified by the County). Prices shall be firm for ALL County departments and locations for term of the agreement.**

### **2.5 MISSOURI DOMESTIC PRODUCT PROCUREMENT ACT:**

Bidder represents that the goods provided comply with Sections 34.350 to 34.359, RSMo, known as the Domestic Product Procurement Act. The Act encourages the purchase of products manufactured or produced in the United States, State of Missouri, and Jefferson County, Missouri. Bidder shall include proof of compliance with the Act with the bid when requested.

### **2.6 NON-EXCLUSIVE AGREEMENT:**

The contractor shall understand and agree that the contract shall not be construed as an exclusive agreement and further agrees that the County may secure identical and/or similar services or products from other sources at anytime in conjunction with or in replacement of the contractor's services.

### **2.7 DEFINITIONS:**

- A. The term "County" means the Jefferson County, Missouri and its designated representatives.
- B. The term "Vendor" means Supplier, Contractor, and Seller and includes designated representatives.
- C. The term "IFB" means Invitation for Bid.
- D. The term "Agreement/Contract" means Binding Agreement, Contract, Request for Purchase, Order.

### **2.8 INSPECTION, ACCEPTANCE AND APPROVALS:**

Goods shall at all times and places, including the period of manufacture, are subject to inspection and test by County. County will accept or give notice of rejection of goods delivered within a reasonable time after receipt. Acceptance shall not waive any warranty. All goods supplied are subject to final inspection and acceptance by County notwithstanding payment, prior inspections or approvals. County may require prompt replacement or correction of rejected goods at Supplier's expense, including a reduction in price for rejected goods. Supplier shall not resubmit rejected goods to County without prior written approval and instructions from County. In addition, Supplier shall identify resubmitted goods as previously rejected. Supplier shall provide and maintain a quality assurance and control system acceptable to County.

### **2.9 WARRANTY:**

Unless otherwise agreed to in writing by the parties, Supplier warrants that items ordered to specifications will conform thereto and to any drawings, samples or other descriptions furnished or adopted by County, or, if not ordered to specifications will be fit

and sufficient for the purpose intended, and that all items will be new, merchantable, of good material and workmanship, and free from defect. Such warranties, together with Supplier's service warranties and guarantees, if any, shall survive inspection, test, acceptance of, and payment for the items and shall run to County and its assigns. Except for latent defects, the County shall give notice of any nonconformity to the Supplier within one (1) year after acceptance. County may return for credit or require prompt correction or replacement of the defective or non-conforming goods or have the defective good corrected or replaced at Supplier's expense. Return to Supplier of any defective or non-conforming goods and delivery to County of any corrected or replaced goods shall be at Supplier's expense. Defective or non-conforming items shall not be corrected or replaced without written authorization by County. Goods required to be corrected or replaced shall be subject to the provisions of this clause and the clause hereof entitled "Inspection, Acceptance and Approvals" in the same manner and to the same extent as goods originally delivered under this contract.

## **2.10 PAYMENT:**

County will pay Supplier for goods upon delivery to, submission of certified invoices with attached tipping fee receipts and acceptance. The County will not be responsible for articles or services furnished without a purchase order. Price is tax-exempt.

## **2.11 CHANGE ORDER:**

County may make changes within the general scope of this contract. If any such changes cause an increase or decrease in the cost of or the time required for the performance of any part of the work, whether changed or not changed by any such order, an equitable adjustment shall be made in the price or delivery schedule or both, and any change order shall be in writing. Any claim by a Supplier for adjustment under this clause shall be asserted within fifteen (15) days from the date of receipt of this written order directing the change, provided, however, County, if it decides that the facts justify such action, may receive and act upon such claim asserted at any time prior to final payment.

## **2.12 DELIVERIES:**

Deliveries shall be made in strict accordance with any delivery schedule contained in the bid specification or contract and in the exact quantity ordered. Failure to adhere to delivery schedule is reason for termination in accordance with the "termination" clause. Deliveries are to be made at locations specified by the County at time of Order.

## **2.13 RESPONSIBILITY FOR SUPPLIES:**

Pursuant to Section 290.560 RSMo, Supplier/Contractor shall employ only Missouri laborers and laborers from nonrestrictive states except that other laborers may be used when Missouri laborers or laborers from nonrestrictive states are not available, or are incapable of performing the particular type of work involved, if so certified by the contractor and approved by the County. Except as otherwise provided, Supplier shall be responsible and bear all risks for loss and damage to goods until delivery at County's facilities, regardless of F.O.B. point, point of inspection or acceptance; and if the goods are rejected.

## **2.14 SUBCONTRACTS:**

Supplier shall not enter into any subcontract(s) in excess of \$25,000 or 20% of this contract price; whichever is less, for any goods without County's prior written approval.

## **2.15 CHOICE OF LAW:**

This bid and contract shall be governed and interpreted according to the laws of the State of Missouri. Venue for any court action shall be in Jefferson County, Missouri.

## **2.16 TERMINATION:**

- A. General: Performance of work may be terminated by the County in whole, or from time to time in part, whenever County shall determine that such termination is in the best interests of County with a thirty (30) day written notice. The Vendor may terminate the Agreement/Contract upon a sixty (60) day prior notice in writing. In the event of any termination of the Agreement/Contract by the Vendor, the County may purchase such supplies and/or services similar to those terminated and for the duration of the Agreement/Contract period the Vendor will be liable for all costs in excess of the established contract pricing.
- B. Bankruptcy or Insolvency: In the event bankruptcy proceedings are commenced by or against Supplier or under any provisions of the United States Bankruptcy Act or for the appointment of a receiver or trustee or a general assignment for the benefit of creditors of either party, County shall be entitled to terminate without further cost or liability. The County may cancel the Agreement/Contract or affirm the Contract and hold the Vendor responsible for damages.
- C. Default: County may terminate the whole Contract or any part in either of the following circumstances:
  - C-1. If supplier fails to deliver the items required by the contract within the time specified; or
  - C-2. If supplier fails to perform any of the other provisions of the contract, or so fails to make progress as to endanger performance of the contract in accordance with its terms, and in either of these two circumstances does not cure

such failure within a period of ten (10) days after notice from County specifying such failure. In the event of termination under subparagraph 1, County shall have the right to procure, on such terms and in such manner as it may deem appropriate, items similar to those terminated, and to recover from Supplier the excess cost for such similar items provided, however, Supplier shall not be liable for such excess costs where the failure upon which the termination is based has arisen out of causes beyond the control of Supplier and without the fault or negligence of Supplier. Such causes shall be deemed to include fires, floods, earthquakes, strikes, and acts of the public enemy. The rights of County provided in subparagraph 1 shall be in addition to any other rights provided by law or the contract.

C-3. In the event of the Supplier's non-compliance with the provisions as set forth, this Contract may be cancelled, terminated or suspended in whole or in part and the supplier may be declared ineligible for further County contracts. The rights and remedies of the County provided in this paragraph shall not be exclusive but are in addition to any remedies provided in this Contract or as provided for by law.

## **2.17 NOTICE AND SERVICE THEREOF:**

Any notice from the County shall be in writing and considered delivered and the service thereof completed when said notice is posted, by certified or regular mail, to the Supplier, at the address stated on the bid form.

## **2.18 CONTRACT TERM:**

Performance shall be governed solely by the terms and conditions as set forth in the Invitation for Bid, Bid Specifications, Bid Form and the Contract notwithstanding any language contained on any invoice, shipping order, bill of lading or other document furnished the Seller at any time and the acceptance by the County for any goods furnished.

## **2.19 COMPLIANCE WITH APPLICABLE LAWS:**

Supplier warrants it has complied with all applicable laws, rules and ordinances of the United States, Missouri or any other Governmental authority or agency in the manufacture or sale of the goods, including but not limited to all provisions of the Fair Labor Standards Act of 1938, as amended, including provisions of the Home Rule Charter of Jefferson County, Missouri requiring all workers performing work under any contract with Jefferson County be paid a wage that is at least the prevailing hourly rate of wages for work of a similar character in Jefferson County.

## **2.20 ACTS OF GOD:**

No party shall be liable for delays, nor defaults due to Acts of God or the public enemy, riots, strikes, fires, explosions, accidents, governmental actions of any kind or any other causes of a similar character beyond its control and without its fault or negligence.

## **2.21 SELLER'S INVOICES:**

Invoices shall contain the following information. Contract number (if any), Purchase Order Number, Item number, contract description of goods or services, sizes, quantities, unit prices and extended totals. Invoices for and inquiries regarding payment should be addressed to the County Accounts Payable Clerk.

## **2.22 APPROVAL:**

It is agreed the acceptance of a Bid shall not be valid and binding upon the County until approved by the County Purchasing Agent, County Council, and the County Counselor.

## **2.23 RENEWAL OPTION:**

The County reserves the right to negotiate the contract for one (1) additional one-year term with the written consent of the awarded vendor. If the contractor/vendor request an increase in compensation for any renewal period, the vendor shall notify the Office of Contracts and Grants no less than 60 days prior to the end of the contract period. The County shall notify the Vendor of the intent to exercise the renewal option. However, failure to notify the Vendor does not waive the County's right to exercise the renewal option.

## **2.24 INDIVIDUAL, PARTNERSHIPS, CORPORATIONS:**

Indicate:  Individual:  Partnership:  Corporation.

Incorporated in the State of \_\_\_\_\_.

## **EXHIBIT C**

### **AFFIDAVIT OF WORK AUTHORIZATION:**

The grantee, sub grantee, contractor or subcontractor who meets the section 285.525, RSMo definition of a business entity must complete and return the following Affidavit of Work Authorization.

Comes now \_\_\_\_\_ (Name of Business Entity Authorized Representative) as \_\_\_\_\_ (Position/Title) first being duly sworn on my oath, affirm \_\_\_\_\_ (Business Entity Name) is enrolled and will continue to participate in the E-Verify federal work authorization program with respect to employees hired after enrollment in the program who are proposed to work in connection with the services related to \_\_\_\_\_ (Bid/Grant/Subgrant/Contract/Subcontract) for the duration of the grant, subgrant, contractor, or subcontractor, if awarded in accordance with subsection 2 of section 285.530, RSMo. I also affirm that \_\_\_\_\_ (Business Entity Name) does not and will not knowingly employ a person who is an unauthorized alien in connection with the contracted services related to \_\_\_\_\_ (Bid/Grant/Subgrant/Contract/Subcontract) for the duration of the grant, subgrant, contract, or subcontract, if awarded.

*In Affirmation thereof, the facts stated above are true and correct. (The undersigned understands that false statements made in this filing are subject to the penalties provided under section 575.040, RSMo.)*

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Authorized Representative's Signature

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Printed Name

---

Title

---

Date

Subscribed and sworn to before me this \_\_\_\_\_ of \_\_\_\_\_. I am  
(DAY) (MONTH, YEAR)

commissioned as a notary public within the County of \_\_\_\_\_, State of  
(NAME OF COUNTY)

\_\_\_\_\_, and my commission expires on \_\_\_\_\_.  
(NAME OF STATE) (DATE)

---

Signature of Notary

---

Date

**EXHIBIT C**  
(Continued)

**BOX B – CURRENT BUSINESS ENTITY STATUS**

I certify that \_\_\_\_\_ (Business Entity Name) **MEETS** the definition of a business entity as defined in section 285.525, RSMo pertaining to section 285.530, RSMo as stated above.

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Authorized Business Entity Representative's Name (Please Print)	Authorized Business Entity Representative's Signature
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Business Entity Name	Date
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As a business entity, the grantee, sub grantee, contractor, or subcontractor must perform/provide the following. The grantee, sub grantee, contractor, or subcontractor shall check each to verify completion/submission:

- Enroll and participate in the E-Verify federal work authorization program (Website: [http://www.dhs.gov/xprevprot/programs/gc\\_1185221678150.shtml](http://www.dhs.gov/xprevprot/programs/gc_1185221678150.shtml); Phone: 888-464-4218; Email: [e-verify@dhs.gov](mailto:e-verify@dhs.gov)) with respect to the employees hired after enrollment in the program who are proposed to work in connection with the services required herein;  
AND
  
- Provide documentation affirming said company's/individual's enrollment and participation in the E-Verify federal work authorization program. Documentation shall include a page from the E-Verify Memorandum of Understanding (MOU) listing the grantee's, subgrantee's, contractor's, or subcontractor's name and the MOU signature page completed and signed, at minimum, by the grantee, subgrantee, contractor, or subcontractor and the Department of Homeland Security – Verification Division; (if the signature page of the MOU lists the grantee's, subgrantee's, contractor's, or subcontractor's name, then no additional pages of the MOU must be submitted).

## RADIO SYSTEM NARROW BANDING

### BID SPECIFICATION

#### SCOPE OF WORK

The County of Jefferson is requesting bids from a qualified vendor to replace its current analogue VHF two-way radio system with a contemporary up to date digital two-way system that will meet the narrow banding requirements of the FCC. It is envisioned that the new technology will be enhanced, and provide a more effective communication among the work groups within the Jefferson County Public Works Department.

The following are the needs that are essential to the new radio system:

1. To become compliant with the new FCC regulations governing two-way radio equipment.
2. To reduce most but not all broadcast radio calls by utilizing unit to unit technology.
3. To increase available air time by using technology to increase repeater performance, (TDMA).
4. To gain the benefits of contemporary technology including but not limited to GPS capability.
5. Enhanced safety feature such as emergency help function.
6. To take advantage of new technology for batteries and chargers that will reduce memory and burn out problems thus saving on battery management, maintenance and replacement.
7. The radio system shall be a turnkey solution to include Installation and programming of all equipment.

The bidder MUST be the Manufacturer's authorized dealer with the manufacture of the product proposed. The bid will be awarded to one vendor only.

The current County Public Works radio system is licensed for the following frequencies;

Channel 1 (Repeater pair) 156.165 PL code 3Z  
159.135

Channel 2 unit to unit 159.165

Channel 4 (Parks Dept.) 154.980

An inventory listing of the existing County repeater, mobile and portable radios is attached. The County has a 250 foot tower with support building where the repeater is located.

#### PORATABLE RADIO SPECIFICATIONS

##### 1.0 FEATURES

1.1 Radio must be minimum equivalent of Motorola XPR 6350/XPR6550  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.2 A minimum of 32 channel capability.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.3 Companding circuit for narrow band operation. (voice compression)  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.4 Minimum three (3) programmable buttons.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.5 Orange color emergency alert button  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.6 Ingress Protection rating not less than IP57  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.7 Radio must have integrated GPS module.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.8 R.F. power 5 watts.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.9 Channel spacing 12.5/25 kHz.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.10 Frequency separation 136-174 MHz.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.11 Battery status indicator.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.12 Signaling MDC-1200. Must be factory internal circuit. No add-in or  
Plug-in or solder-in accessory.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.13 Digital Sensitivity 5% BER: 0.3uV  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.14 Analog Sensitivity 0.35Uv 12db Sinad.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.15 Audio output 500m W.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.16 Military standard 810 C, D, E,F  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.17 Radio dimensions 5.18x2.50x1.39  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.18 Spurious rejection 70db.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.19 Audio distortion 3%.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.20 Tone encoder PL, DPL, C/S.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.21 Accessory connector on side of radio must have screw down capably.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.22 Portable radio must have dual mode capability per channel  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.23 Radio must operate with a TDMA digital format. (No Exception)  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.24 Bidder must be an authorized sale and service of equipment bid.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

1.25 All portables radios must be equipped with GPS/VHF antennas.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

## **2.0      BATTERIES**

- 2.1    Bidder must supply one smart battery for each portable radio with belt clips.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_
- 2.2    Battery must be smart lithium-ion type capable of operating the radio for a minimum of 8 hours on a full charge.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_
- 2.3    Each radio must come equipped with a single unit smart charger that has the capability to re-conditioned and re-charge the battery  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

## **3.0      OPTIONS**

Bidder is to provide optional pricing, per individual unit, for the following items. The County of Jefferson reserves the right to specify whether all portable radios will have these additional features

- 3.1       Vehicular travel charger
- 3.2       Spare Battery with belt clip
- 3.3       IP57 Remote Speaker/ Microphone
- 3.4       6 slots Multi-unit smart charger
- 3.5       Leather Holster

## **4.0      WARRANTY AND SERVICE**

- 4.1    Bidder to provide a copy of the warranty.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_
- 4.2    Bidder to provide procedure for warranty claim.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_
- 4.3    Bidder must operate an authorized sales and service center for the product bid. The sales and service center must be within a ten (10) mile radius of Jefferson County.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_
- 4.4    Bidder to provide location of service center.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

## MOBILE RADIO SPECIFICATIONS

### 5.0 FEATURES

5.1 Mobile radio must be minimum equivalent of Motorola XPR 4550/4350

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

5.2 Numeric display with user friendly icons.

Compliance:

Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

5.3 32 channel capability.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

5.4 Companding circuit for narrow band operation. (Voice compression)

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

5.5 Minimum three (3) programmable buttons.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

5.6 Radio must operate with a TDMA digital format. (No Exception)

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

5.7 Radio must have integrated GPS module.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

5.8 R.F. power 45 watts minimum.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

5.9 Channel spacing 12.5/25 kHz.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

5.10 Frequency separation 136-174 MHz.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

5.11 Mobile radio must have dual mode capability per channel.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

5.12 Frequency stability +/- 0.5@ 12.5 kHz.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

5.13 Analog Sensitivity 0.22Uv 12db Sinad.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

5.14 Audio output 3 Watts.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

5.15 Military standard 810 C, D, E,F  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

5.16 Radio dimensions must be 2.01x6.89x11  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

5.17 Spurious rejection 80db @ 12.5 kHz.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

5.18 Audio distortion 3%.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

5.19 Tone encoder PL, DPL, C/S.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

5.20 Radios MDC1200 signaling encoder must be programmable from vendor software.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

5.21 A compatible microphone will be supplied with each mobile radio.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

5.22 Bidder must be an authorized sale and service of equipment bid.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

## **6.0 INSTALLATION**

6.1 All installation must be performed by a licensed, certified (CET), two-way radio installer.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

6.2 Installation will be completed at the County's service shop with one day supervision by one of the bidders mechanics.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

6.3 All power cables and antenna connection MUST be the same as existing radios already in County Vehicle.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

6.4 Delivery of equipment shall be inclusive of VHF Gain antennas with GPS and all wiring as needed.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

6.5 The successful bidder must provide operator handbooks for each radio.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

## **7.0 WARRANTY AND SERVICE**

7.1 Bidder to provide a copy of the warranty.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

7.2 Bidder to provide procedure for warranty claim.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

7.3 Bidder must operate an authorized sales and service center for the product bid. The sales and service center must be within a ten (10) mile radius of Jefferson County.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

7.4 Bidder to provide location of service center.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

## **8.0 GPS TRACKING SYSTEM**

8.1 Provide network software to track all Public Works radios

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

8.2 Provided all Hardware for software to operate on County network.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

8.3 Provide Demo disk of tracking software with bid responds

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

8.4 Bidder to provide cost of telephone software support.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

8.5 Bid must include one map of North America

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

8.6 Bidder must supply one year software upgrade.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

8.7 Bid must include all Client and radio subscriber licenses for three concurrent users.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

8.9 Bidder to install software and provide user training.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

## **9.0**

## **VHF CONTINUOUS DUTY DIGITAL REPEATER STATION**

9.1 Repeater must be minimum equivalent of Motorola XPR8300

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

9.2 Repeater must be of a Continuous duty cycle operation.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.3 Repeater must be dual mode capable.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.4 Companding circuit for narrow band operation. (Voice compression)  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.5 Repeater Station must operate in a TDMA mode.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.6 Repeater must be capable of enhanced GPS  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.7 Adjustable power levels.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.8 Base Station dimension must be only 3 rack units. 5.22"  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.9 R.F. power 25 to 100 watts minimum.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.10 Channel spacing 12.5/25 kHz.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.11 Frequency separation 132-174 MHz.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.12 Repeater Station must be field programmable  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.13 Repeater Station must perform self-testing operation.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.14 Frequency stability +/-0.5ppm 12.5 kHz.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.15 Sensitivity 0.30UV 12db Sinad.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.16 Repeater must support two simultaneous voice and data path in TDMA Mode.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.17 Military standard 810 C, D, E  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.18 Digital Sensitivity 5% BER:@3uV  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.19 Spurious and Image rejection 80db @ 12.5 kHz.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.20 Audio distortion less than 3%.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.21 Tone encoder PL, DPL, C/S.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.22 Temperature operation range -30 c to +60 c  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.23 Existing filter system must be compatible with new repeater.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.24 Repeater station must be FCC type accepted.  
Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Exceptions: \_\_\_\_\_

9.25 Repeater must be mounted in a lockable metal Cabinet. Front and rear door must be removable.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

9.26 Repeater must include User Manual.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

9.27 Bidder must be an authorized sale and service of equipment bid.

Compliance: Yes \_\_\_\_\_ No \_\_\_\_\_

Exceptions: \_\_\_\_\_

## CONDITIONS OF BID:

BID PRICES ARE TO BE ALL INCLUSIVE: SHIPPING, HANDLING, DELIVERY

Bid Quantities for unit pricing are estimated quantities and may be changed plus or minus by 10% without a change in the unit price bid.

Bid prices for Portable radios will include the specified battery, belt clip, antenna and programming for the County Frequencies.

Bid prices for Mobile radios will include the mounting hardware, power cable, palm microphone, antenna and programming for the County Frequencies. Installation will be by the County.

The successful bidder will prepare the necessary paperwork application and submittal for converting the existing County radio frequency licenses to operate as narrow banding.

The bidder shall submit a product data sheet for each item bid that shows the make and model bid.

The Bidder will submit a proposed schedule for completion of the project. A staging plan is also to be submitted with the bid that describes in detail how the new system will be implemented while maintaining service of the existing system.

The successful bidder will be paid for equipment after it is delivered. A retainage of 20% will be held until the system operates successfully.

The bidder shall list on a separate sheet of paper any variations from or exceptions to, the conditions and specifications of this bid that are not listed on the bid proposal. This sheet shall be labeled "Exceptions to Bid Conditions and Specifications," and shall be attached to the bid.

**BID PRICING Radio Equipment as specified**

Item	Description	Unit	Quantity	Unit Price	Total Price					
<b>1. VHF Mobile Radio without display</b>										
Make	Model									
Per specification										
	each	100		\$_____	\$_____					
<b>2. VHF Mobile Radio with display</b>										
Make	Model									
Per specification	each	50		\$_____	\$_____					
<b>3. VHF Portable Radio without display</b>										
Make	Model									
per specification	each	40		\$_____	\$_____					
<b>4. VHF Portable Radio with display</b>										
Make	Model									
Per specification	each	20		\$_____	\$_____					
<b>5. VHF Digital Repeater</b>										
Make	Model									
Per Specification	each	1		\$_____	\$_____					
<b>6. Installation and programming Of digital repeater</b>										
	each	1		\$_____	\$_____					
<b>7. GPS Tracking Software System</b>										
	lump sum			\$_____						
<b>8. Software set-up &amp; training</b>										
	lump sum			\$_____						
<b>9. Trade-in Credit for existing VHF mobile &amp; portable radios</b>										
	Per detailed unit breakdown			\$ (_____)						
<b>TOTAL BID PRICE</b>										
\$_____										

**OPTIONS**

Bidder is to provide optional pricing, per individual unit, for the following items. The County of Jefferson reserves the right to specify whether all portable radios will have these additional features

3.1	Vehicular travel charger	\$ _____
3.2	Spare Battery with belt clip	\$ _____
3.3	IP57 Remote Speaker/ Microphone	\$ _____
3.4	6 slots Multi-unit smart charger	\$ _____
3.5	Leather Holster for radio	\$ _____

**The undersigned, by his/her signature, represents that he/she is authorized to bind the bidder for the amount shown on the accompanying bid sheets and hereby certifies full compliance with the terms and conditions, specifications and special provisions of the invitation to bid. By signing below, you signify that you have read the entire document and agree to the terms and conditions therein.**

Name of Firm: \_\_\_\_\_

Business Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone Number: \_\_\_\_\_ Fax Number: \_\_\_\_\_

Federal ID Number: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Typed or Printed Name: \_\_\_\_\_

BID Submittal Check List  
All submittals in triplicate

Bid proposal

Product Data Sheets for Items Bid

Proposed Project Schedule

Project Staging Plan

Tracking Software Demo Disk

Detailed Breakdown of Radio Trade-in credit

Listing of deviations and exceptions to bid specifications not listed in bid proposal

Bidders Insurance certificate

Copy of Warranty and Warranty claim procedure

Location of Bidders Service Center

Quantity	BRAND	MODEL	Ser. Number	Trade-in Value
<b>Public Works Portables</b>				
1	1	Motorola	AAH25KDC9AA2AN	672TEA3836
2	1	Motorola	AAH25KDC9AA2AN	672TEA3839
3	1	Motorola	AAH25KDC9AA2AN	672TEA3840
4	1	Motorola	AAH25KDC9AA2AN	672TEA3841
5	1	Motorola	AAH25KDC9AA2AN	672TEA3842
6	1	Motorola	AAH25KDC9AA2AN	672TEA3843
7	1	Motorola	AAH25KDC9AA2AN	672TEA3844
8	1	Motorola	AAH25KDC9AA2AN	672TEA3846
9	1	Motorola	AAH25KDC9AA2AN	672TEA3848
10	1	Motorola	AAH25KDC9AA2AN	672TEA3849
11	1	Motorola	AAH25KDC9AA2AN	672TGC221
12	1	Motorola	AAH25KDC9AA2AN	672TGC235
13	1	Motorola	AAH25KDC9AA3AN	672TZNZ616
14	1	Motorola	AAH25KDC9AA3AN	672TZNZ617
15	1	Motorola	AAH25KDC9AA3AN	672TGP5725
16	1	Motorola	AAHI25KDC9AA2AN	672TGC221
17	1	Motorola	H05KDD9AA4AN	720AUJ3970Z
18	1	Motorola	H05KDD9AA4BN	720AWN0919Z
19	1	Motorola	HO5KDD9AA4BN	720AWN0900Z
20	1	Motorola	HO5KDD9AA4BN	720AWN0915Z
21	1	Motorola	HO5KDD9AA4BN	720AWN0949Z
22	1	Motorola	HO5KDD9AA4BN	720AWN0973Z
23	1	Motorola	HO5KDD9AA4BN	720AWN0976Z
24	1	Motorola	HO5KDD9AA4BN	720AWN4287Z
25	1	Motorola	HT750 4 CHANNEL	672TEA9836
26	1	Motorola	HT750 4 CHANNEL	672TEA9839
27	1	Motorola	HT750 4 CHANNEL	672TEA9840
28	1	Motorola	HT750 4 CHANNEL	672TEA9841
29	1	Motorola	HT750 4 CHANNEL	672TEA9842
30	1	Motorola	HT750 4 CHANNEL	672TEA9843
31	1	Motorola	HT750 4 CHANNEL	672TEA9844
32	1	Motorola	HT750 4 CHANNEL	672TEA9846
33	1	Motorola	HT750 4 CHANNEL	672TEA9848
34	1	Motorola	HT750 4 CHANNEL	672TEA9849
35	1	Motorola	P93MGC20A2AA	779FYJ3481
36	1	Motorola	P93MGC20A2AA	779FYJ3528
37	1	Motorola	P93MGC20A2AA	779FYJ3529
38	1	Motorola	P93MGC20A2AA	779FYJ3539
39	1	Motorola	P93MGC20A2AA	779FYJ3593
40	1	Motorola	P93MGC20A2AA	779FYU0194
41	1	Motorola	P93MGC20A2AA	779FYU0203
42	1	Motorola	P93MGC20A2AA	779FYU0207
43	1	Motorola	P93MGC20A2AA	779FYU0208
44	1	Motorola	P93MGC20A2AA	779FYU8288
45	1	Motorola	P93YPC20A2AA	174FSO2528
46	1	Motorola	P93YPC20A2AA	174FSQ2520
47	1	Motorola	P93YPC20A2AA	174FSW1338
48	1	Motorola	P93YPC20A2AA	174ISS3069

Quantity	BRAND	MODEL	Ser. Number	Trade-in Value
49	1	Motorola	P93YPC20A2AA	174ISS3089
50	1	Motorola	P93YPC20A2AA	174ISS3173
51	1	Motorola	P93YPC20A2AA	174ISS3242
52	1	Motorola	P93YPC20A2AA	174ISS3246
53	1	Motorola	P93YPC20A2AA	174TTLN603
54	1	Motorola	P93YPC20A2AA	174TTLN607
55	1	Motorola	P93YPC20A2AA	174TTLN712
56	1	Motorola	P93YPC20A2AA	174TTN0757
57	1	Motorola	P93YPC20A2AA	174TTN0759
58	1	Motorola	P93YPC20A2AA	720AUJ3970Z
59	1	Motorola	P93YPC20D2AA	174FSW1336
60	1	Motorola	P93YPC20D2AA	174FUC1931
61	1	Motorola	P93YPC20D2AA	174TTLN603
62	1	Motorola	PMUD1480A	672TZN2618
	<b>Public Works Mobiles</b>			
1	1	Motorola	AAM25KK09AA2AN	103TEAD068
2	1	Motorola	AAM25KK09AA2AN	103TEAD076
3	1	Motorola	AAM25KK09AA2AN	103TEAD080
4	1	Motorola	AAM25KK09AA2AN	103TEAD081
5	1	Motorola	AAM25KK09AA2AN	103TEAD082
6	1	Motorola	AAM25KKC9AA1AN	103TDA8994
7	1	Motorola	AAM25KKC9AA1AN	103TDA8995
8	1	Motorola	AAM25KKC9AA1AN	103TDA8999
9	1	Motorola	AAM25KKC9AA1AN	103TDA9002
10	1	Motorola	AAM25KKCPAA1AN	103TDY5244
11	1	Motorola	AAM25KKCPAA1AN	103TDY5246
12	1	Motorola	AAM25KKCPAA1AN	103TDY592
13	1	Motorola	AAM25KKCPAA1AN	103TDY604
14	1	Motorola	AAM25KKCPAA1AN	103TDY606
15	1	Motorola	AAM25KKCPAA1AN	103TDY607
16	1	Motorola	AAM25KKD9AA2AN	103TDU0354
17	1	Motorola	AAM25KKD9AA2AN	103TDU0355
18	1	Motorola	AAM25KKD9AA2AN	103TDU0389
19	1	Motorola	AAM25KKD9AA2AN	103TDU0393
20	1	Motorola	AAM25KKD9AA2AN	103TDU0394
21	1	Motorola	AAM25KKD9AA2AN	103TDU0395
22	1	Motorola	AAM25KKD9AA2AN	103TDU3331
23	1	Motorola	AAM25KKD9AA2AN	103TEAD077
24	1	Motorola	AAM25KKD9AA2AN	103TEAD079
25	1	Motorola	AAM25KKD9AA2AN	103TEAD083
26	1	Motorola	D33LRA73A5BK	778FPJ5508
27	1	Motorola	D33LRA73A5BK	778FPJ5509
28	1	Motorola	D33LRA73A5BK	778FPJ5510
29	1	Motorola	D43LRA73A5BK	778FPJ1535
30	1	Motorola	D43LRA73A5BK	778FPJ5476
31	1	Motorola	D43LRA73A5BK	778FPJ5477
32	1	Motorola	D43LRA73A5BK	778FPJ5478
33	1	Motorola	D43LRA73A5BK	778FPJ5479
34	1	Motorola	D43LRA73A5BK	778FPJ5480
35	1	Motorola	D43LRA73A5BK	778FPJ5481

Quantity	BRAND	MODEL	Ser. Number	Trade-in Value
36	1	Motorola	D43LRA73A5BK	778FPJ5482
37	1	Motorola	D43LRA73A5BK	778FPJ5483
38	1	Motorola	D43LRA73A5BK	778FPJ5484
39	1	Motorola	D43LRA73A5BK	778FPJ5485
40	1	Motorola	D43LRA73A5BK	778FPJ5486
41	1	Motorola	D43LRA73A5BK	778FPJ5487
42	1	Motorola	D43LRA73A5BK	778FPJ5488
43	1	Motorola	D43LRA73A5BK	778FPJ5489
44	1	Motorola	D43LRA73A5BK	778FPJ5490
45	1	Motorola	D43LRA73A5BK	778FPJ5491
46	1	Motorola	D43LRA73A5BK	778FPJ5492
47	1	Motorola	D43LRA73A5BK	778FPJ5493
48	1	Motorola	D43LRA73A5BK	778FPJ5494
49	1	Motorola	D43LRA73A5BK	778FPJ5495
50	1	Motorola	D43LRA73A5BK	778FPJ5496
51	1	Motorola	D43LRA73A5BK	778FPJ5497
52	1	Motorola	D43LRA73A5BK	778FPJ5498
53	1	Motorola	D43LRA73A5BK	778FPJ5499
54	1	Motorola	D43LRA73A5BK	778FPJ5500
55	1	Motorola	D43LRA73A5BK	778FPJ5501
56	1	Motorola	D43LRA73A5BK	778FPJ5502
57	1	Motorola	D43LRA73A5BK	778FPJ5508
58	1	Motorola	D43LRA73A5BK	778FPW2128
59	1	Motorola	D43LRA73A5BK	778FPW2129
60	1	Motorola	D43LRA73A5BK	778FQN5164
61	1	Motorola	D43LRA73A5BK	778FQN5165
62	1	Motorola	D43LRA73A5BK	778FQN5166
63	1	Motorola	D43LRA73A5BK	778FQN5167
64	1	Motorola	D43LRA73A5BK	778FQN5168
65	1	Motorola	D43LRA73A5BK	778FQN5169
66	1	Motorola	D43LRA73A5BK	778FQN5170
67	1	Motorola	D43LRA73A5BK	778FQN5171
68	1	Motorola	D43LRA73A5BK	778FQN5172
69	1	Motorola	D43LRA73A5BK	778FQN5173
70	1	Motorola	D43LRA73A5BK	778FQN5174
71	1	Motorola	D43LRA73A5BK	778FQN5175
72	1	Motorola	D43LRA73A5BK	778FQN5176
73	1	Motorola	D43LRA73A5BK	778FQN5177
74	1	Motorola	D43LRA73A5BK	778FQN5178
75	1	Motorola	D43LRA73A5BK	778FQN5179
76	1	Motorola	D43LRA73A5BK	778FQN5180
77	1	Motorola	D43LRA73A5BK	778FQN5781
78	1	Motorola	D43LRA73A5BK	778TREB354
79	1	Motorola	D43LRA73A5BK	778TREB624
80	1	Motorola	D43LRA73A5BK	778TREB654
81	1	Motorola	D43LRA73A5BK	778TREB666
82	1	Motorola	D43LRA73A5BK	778TREB669
83	1	Motorola	D43LRA73A5BK	778TREB703
84	1	Motorola	D43LRA73A5BK	778TRG9470
85	1	Motorola	D43LRA73A5BK	778TRJ1587

Quantity	BRAND	MODEL	Ser. Number	Trade-in Value
86	1	Motorola	D43LRA73A5BK	778TRJ1669
87	1	Motorola	D43LRA73A5BK	778TRL2500
88	1	Motorola	D43LRA73A5BK	778TSG9211
89	1	Motorola	D43LRA73A5BK	778TSG9246
90	1	Motorola	D43LRA73A5BK	778TSJH070
91	1	Motorola	D43LRA73A5BK	778TSJH071
92	1	Motorola	D43LRA73A5BK	778TSJH093
93	1	Motorola	D43LRA73A5BK	778TSN4422
94	1	Motorola	D43LRA73A5BK	778TSUB253
95	1	Motorola	D43LRA73A5BK	778TSUB255
96	1	Motorola	D43LRA73A5BK	778TSUB262
97	1	Motorola	D43LRA73A5BK	778TSUB264
98	1	Motorola	D43LRA73A5BK	778VQU2635
99	1	Motorola	D43LRA73A5BK	778VQU2636
100	1	Motorola	D43LRA7PA5BK	778FPJ5504
101	1	Motorola	D43LRA7PA5BK	778FPJ5505
102	1	Motorola	D43LRA7PA5BK	778FPJ5507
103	1	Motorola	D43LRA7PA5BK	778FPN0721
104	1	Motorola	D43LRA7PA5BK	778FPW4259
105	1	Motorola	D43LRA7PA5BK	778FQC8817
106	1	Motorola	D43LRA7PA5BK	778FQN5183
107	1	Motorola	D43LRA7PA5BK	778TSY6001
108	1	Motorola	D43LRA7PA5BK	788FPJ5503
109	1	Motorola	D43LRA7PA5BK	788FPJ5506
110	1	Motorola	D43LRA7PA5BK	788FQN5182
111	1	Motorola	D43LRAQ73A5BK	778FPQ6614
112	1	Motorola	D43LRAQ73A5BK	778FPW4260
113	1	Motorola	D43LRAQ73A5BK	778FPW4261
114	1	Motorola	M33GMC29C2AA	159TUA8437
115	1	Motorola	M43DGC90J2AA	869FBA0757
116	1	Motorola	M43DGC90J2AA	869FBA1653
117	1	Motorola	M43DGC90J2AA	869FBA1826
118	1	Motorola	M43DGC90J2AA	869FBA1828
119	1	Motorola	M43DGC90J2AA	869FBA1829
120	1	Motorola	M43DGC90J2AA	869FBA1830
121	1	Motorola	M43DGC90J2AA	869FBA1831
122	1	Motorola	M43DGC90J2AA	869FBA1832
123	1	Motorola	M43GMC20A2AA	779TTS1838
124	1	Motorola	M43GMC20A2AA	779TTU9851
125	1	Motorola	M43GMC20A2AA	779TTU9852
126	1	Motorola	M43GMC29C2AA	159TWA8180
127	1	Motorola	M43GMC29C2AA	159TWA8184
128	1	Motorola	M43GMC29C2AA	159TWA8185
129	1	Motorola	M43GMC29C2AA	159TZA6951
130	1	Motorola	M43GMC29C2AA	159TZA6952
131	1	Motorola	M43GMC29C2AA	159TZA6953
132	1	Motorola	M43GMC29C2AA	159TZA6954
133	1	Motorola	M43XQC20A2AA	779TVA5288
134	1	Motorola	M43XQC20A2AA	779TVA5403
135	1	Motorola	M43XQC20A2AA	779TVA5404

Quantity	BRAND	MODEL	Ser. Number	Trade-in Value
136	1	Motorola	M43XQC20A2AA	779TWW8641
137	1	Motorola	M43XQC20A2AA	799TUY5660
138	1	Motorola	M43XQC20A2AA	799TUY5661
139	1	Motorola	M43XQC20A2AA	799TVA5376
140	1	Motorola	M43XQC20A2AA	799TVA5379
141	1	Motorola	M43XQC20A2AA	799TVA5380
142	1	Motorola	M43XQC20A2AA	799TVA5384
143	1	Motorola	M43XQC20A2AA	799TWA3566
144	1	Motorola	M43XQC20A2AA	799TWA3567
145	1	Motorola	M43XQC20A2AA	799TWA3569
146	1	Motorola	M43XQC20A2AA	799TWA3570
147	1	Motorola	M43XQC20A2AA	799TWA3803
148	1	Motorola	M43XQC20A2AA	799TWA3804
149	1	Motorola	M43XQC20A2AA	799TWA3807
150	1	Motorola	M43XQC20A2AA	799TWA3808
151	1	Motorola	M43XQC20A2AA	799TWA3809
152	1	Motorola	M43XQC20A2AA	799TWW8538
153	1	Motorola	M43XQC20A2AA	799TWW8539
154	1	Motorola	M43XQC20A2AA	799TWW8541
155	1	Motorola	M43XQC20A2AA	799TWW8542
156	1	Motorola	M43XQC20A2AA	799TWW8640
157	1	Motorola	M43XQC20A2AA	799TWW8642
158	1	Motorola	M43XQC20A2AA	799TWW8643
159	1	Motorola	M43XQC20A2AA	799TWW8644
160	1	Motorola	M43XQC20A2AA	799TWW8645
161	1	Motorola	M43XQC20A2AA	799YWA3806
		<b>Public Works Control Stations</b>		
1	1	Motorola	FK56LAU66	4068676
2	1	Motorola	MTR2000	15C82597Y01

<b>Parks Department radios</b>				
1	1	Motorola	T73XTA7TA7AK	
2	1	Motorola	T73XTA7TA7AK	
3	1	Motorola	T73XTA7TA7AK	
4	1	Uniden	Force	
5	1	Uniden	Force	
6	1	Motorola	SM120	
7	1	Motorola	CD750	
8	1	Motorola	CD750	
9	1	Motorola	Marc Trac	
10	1	Tekk	T-50	

<b>TOTAL Trade-in</b>	<b>\$</b>	<b>-</b>
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