



**Boone County Purchasing**  
613 E. Ash Street, Room 110  
Columbia, Mo 65201

## **REQUEST FOR BID (RFB)**

Melinda Bobbitt, CPPO, CPPB  
Director of Purchasing  
(573) 886-4391 – Fax: (573) 886-4390  
Email: [mbobbitt@boonecountymo.org](mailto:mbobbitt@boonecountymo.org)

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### ***Bid Data***

Bid Number: **75-24NOV15**

Commodity Title: **Antenna / Feedline Equipment for the Emergency Communication Center Project, the Battle School Project, and the Rocheport Microwave Improvement Project.**

**DIRECT ANY BID FORMAT OR SUBMISSION QUESTIONS TO PURCHASING DEPT.**

### ***Bid Submission Address and Deadline***

Day/Date: **Tuesday, November 24, 2015**  
Time: **9:30 a.m.** central time (Bids received after this time will be returned unopened)

Location/Mail Address: Boone County Purchasing Department  
Boone County Annex Building  
613 E. Ash, Room 110  
Columbia, MO 65201

Directions: *Annex Building is located at corner of 7<sup>th</sup> & Ash St.*

### ***Bid Opening***

Day/Date: **Tuesday, November 24, 2015**  
Time: **9:30 a.m.** Central Time  
Location/Address: Boone County Purchasing  
Boone County Annex Building, Conference Room  
613 E. Ash Street  
Columbia, MO 65201

### ***Bid Contents***

1.0: Introduction and General Conditions of Bidding  
2.0: Primary Specifications  
3.0: Response Presentation and Review  
4.0: Response Form

Attachments: "No Bid" Response Form  
Standard Terms and Conditions  
Debarment Form

## 1. Introduction and General Conditions of Bidding

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- 1.1. **INVITATION** – The County of Boone, through its Purchasing Department, invites responses, which offer to provide the goods and/or services identified on the title page, and described in greater detail in Section 2.
- 1.2. **DEFINITIONS**
  - 1.2.1. **County** – This term refers to the County of Boone, a duly organized public entity. It may also be used as a pronoun for various subsets of the County organization, including, as the context will indicate:
  - 1.2.2. *Purchasing* – The Purchasing Department, including its Purchasing Director and staff.
  - 1.2.3. *Department/s or Office/s* – The County Department/s or Office/s for which this Bid is prepared, and which will be the end user/s of the goods and/or services sought.
  - 1.2.4. *Designee* – The County employee/s assigned as your primary contact/s for interaction regarding Contract performance.
  - 1.2.5. **Bidder / Contractor / Supplier** – These terms refer generally to businesses having some sort of relations to or with us. The term may apply differently to different classes of entities, as the context will indicate.
  - 1.2.6. *Bidder* – Any business entity submitting a response to this Bid. Suppliers, which may be invited to respond, or which express interest in this bid, but which do not submit a response, have no obligations with respect to the bid requirements.
  - 1.2.7. *Contractor* – The Bidder whose response to this bid is found by Purchasing to meet the best interests of the County. The Contractor will be selected for award, and will enter into a Contract for provision of the goods and/or services described in the Bid.
  - 1.2.8. *Supplier* – All business/entities which may provide the subject goods and/or services.
  - 1.2.9. **Bid** – This entire document, including attachments. A Bid may be used to solicit various kinds of information. The kind of information this Bid seeks is indicated by the title appearing at the top of the first page. An “Invitation for Bid” is used when the need is well defined. An “Invitation for Proposal” is used when the County will consider solutions, which may vary significantly from each other or from the County’s initial expectations.
  - 1.2.10. **Response** – The written, sealed document submitted according to the Bid instructions.
- 1.3. **BID CLARIFICATION** – Questions regarding this Bid should be directed in writing, preferably by e-mail, to the Purchasing Department. Answers, citing the question asked but not identifying the questioner, will be distributed simultaneously to all known prospective Bidders. Note: written requirements in the Bid or its Addenda are binding, but any oral communications between County and Bidder are not.
- 1.4. **Bidder Responsibility** – The Bidder is expected to be thoroughly familiar with all specifications and requirements of this Bid. Bidder’s failure or omission to examine any relevant form, article, site or document will not relieve them from any obligation regarding this Bid. By submitting a Response, Bidder is presumed to concur with all terms, conditions and specifications of this Bid.
- 1.5. **Bid Addendum** – If it becomes evident that this Bid must be amended, the Purchasing Department will issue a formal written Addendum to all known prospective Bidders. If necessary, a new due date will be established.
- 1.6. **AWARD** – Award will be made to the Bidder/s whose offer/s provide the greatest value to the County from the standpoint of suitability to purpose, quality, service, previous experience, price, lifecycle cost, ability to deliver, or for any other reason deemed by Purchasing to be in the best interest of the County. Thus, the result will not be determined by price alone. The County will be seeking the least costly outcome that meets the County needs as interpreted by the County.

- 1.7. **CONTRACT EXECUTION** – This Bid and the Contractor’s Response will be made part of any resultant Contract and will be incorporated in the Contract as set forth, verbatim.
- 1.8. **Precedence** – In the event of contradictions or conflicts between the provisions of the documents comprising this Contract, they will be resolved by giving precedence in the following order:
- 1) the provisions of the Contract (as it may be amended);
  - 2) the provisions of the Bid;
  - 3) the provisions of the Bidder’s Response.
- 1.9. **COMPLIANCE WITH STANDARD TERMS AND CONDITIONS** – Bidder agrees to be bound by the County’s standard “boilerplate” terms and conditions for Contracts, a sample of which is attached to this Bid.

## **2. Primary Specifications**

### **2.1 GENERAL**

2.1.1 These specifications describe a series of antennas, feedlines, connectors and general RF hardware to be used in conjunction with the operation of a microwave radio- linked land mobile two-way radio system operated by County.

2.1.2. Contractor shall be responsible for providing all the specified equipment and all standard advertised hardware accessories.

2.1.3. All equipment will be factory new, not reconditioned, and in current production at time of delivery.

2.1.4. Substitutions or proposed equivalent products are not accepted for this procurement.

### **2.2 PACKAGING**

2.2.1. Shipment shall be made in cartons/skids following the grouping of items listed in “Site/Label ID” column of the specifications.

2.2.2. Materials for only one Site/Label ID per carton/skid will be allowed. Combining materials for multiple sites into single carton/skid is not allowed.

2.2.3. For large quantities of equipment for the same Site/Label ID, multiple cartons/skids are allowed.

2.2.4. All cartons/skids shall be delivered to:  
Boone County Fire Protection District  
2201 I-70 Drive Northwest  
Columbia, MO 65202  
Telephone Contact for delivery drivers is: 573-447-5000

2.2.5. Site/Label ID from the equipment chart shall be marked on outside of all shipping cartons/skids for respective equipment.

2.2.6. EQUIPMENT CARTONS/SKIDS RECEIVED WITHOUT SITE/LABEL ID MARKING WILL BE REFUSED FOR DELIVERY AND RETURNED.

### **2.3. PURCHASE AND DELIVERY SCHEDULE**

2.3.1 Equipment listed under the Site/Label ID code “ECC” will be purchased and delivered approximately 1-15-2016.

2.3.2. Equipment listed under all other Site/Label ID codes will be purchased and delivered immediately.

2.3.4. Contractor shall invoice County by grouping purchases of materials and equipment by Site/Label ID.

**2.4. SPECIAL CONDITIONS AND REQUIREMENTS**

**2.4.1. Designee-** Boone County Commission and Boone County Joint Communications

**2.4.2. BID CLARIFICATION** –Any questions or clarifications concerning bid documents should be addressed in writing, PRIOR TO BID OPENING, to Melinda Bobbitt, Director of Purchasing, 613 E. Ash Street, Room 110, Columbia, Missouri 65201. Phone: (573) 886-4391; Fax: (573) 886-4390 or Email: [mbobbitt@boonecountymo.org](mailto:mbobbitt@boonecountymo.org).

**2.4.3. Delivery Terms:** FOB- Destination with shipping and handling costs included, delivered to Boone County Fire Protection Headquarters, 2201 I-70 Drive Northwest, Columbia, MO 65202.

**2.4.4. Invoices** - The County's BID number should appear on the invoice(s).

### 3. Response Presentation and Review

- 3.1. **RESPONSE CONTENT** – In order to enable direct comparison of competing Responses, Bidder must submit Response in strict conformity to the requirements stated herein. Failure to adhere to all requirements may result in Bidder's Response being disqualified as non-responsive. All Responses must be submitted using the provided Response Sheet. Every question must be answered and if not applicable, the section must contain "N/A". Manufacturer's published specifications for the items requested shall be included with the response.
- 3.2. **SUBMITTAL OF RESPONSES** – Responses MUST be received by the date and time noted on the title page under "Bid Submission Information and Deadline". NO EXCEPTIONS. The County is not responsible for late or incorrect deliveries from the US Postal Service or any other mail carrier.
- 3.3. **Advice of Award** – If you wish to be advised of the outcome of this Bid, the results may be viewed on the County's web page at [www.showmeboone.com](http://www.showmeboone.com).
- 3.4. **BID OPENING** – On the date and time and at the location specified on the title page, all Responses will be opened in public. Brief summary information from each will be read aloud, and any person present will be allowed, under supervision, to scan any Response. In the event only one bid is received by the date and time of the bid opening, County reserves the right to not open the bid and extend the Closing Date for the purpose of inviting bid responses from more vendors in the interest of establishing competition.
- 3.5. **Removal from Vendor Database** – If any prospective Bidder currently in our Vendor Database to whom the Bid was sent elects not to submit a Response and fails to reply in writing stating reason for not bidding, that Bidder's name may be removed from our database. Other reasons for removal include unwillingness or inability to show financial responsibility, reported poor performance, unsatisfactory service, or repeated inability to meet delivery requirements.
- 3.6. **RESPONSE CLARIFICATION** – The County reserves the right to request additional written or oral information from Bidders in order to obtain clarification of their Responses.
- 3.7. **Rejection or Correction of Responses** – The County reserves the right to reject any or all Responses. Minor irregularities or informalities in any Response which are immaterial or inconsequential in nature, and are neither affected by law nor at substantial variance with Bid conditions, may be waived at our discretion whenever it is determined to be in the County's best interest.
- 3.8. **EVALUATION PROCESS** – The County's sole purpose in the evaluation process is to determine from among the Responses received which one is best suited to meet the County's needs at the lowest possible cost. Any final analysis or weighted point score does not imply that one Bidder is superior to another, but simply that in our judgment the Contract selected appears to offer the best overall solution for our current and anticipated needs at the lowest possible cost.
- 3.9. **Method of Evaluation** – The County will evaluate submitted Responses in relation to all aspects of this Bid.
- 3.10. **Acceptability** – The County reserves the sole right to determine whether goods and/or services offered are acceptable for County use.
- 3.11. **Endurance of Pricing** – Bidder's pricing must be held until contract execution or 60 days, whichever comes first.

**4. Response Form**

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Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City/Zip: \_\_\_\_\_  
 Phone Number: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_  
 Fax Number: \_\_\_\_\_  
 Federal Tax I.D. \_\_\_\_\_  
 Corporation  
 Partnership – Name \_\_\_\_\_  
 Individual/Proprietorship – Individual Name \_\_\_\_\_  
 Other (Specify) \_\_\_\_\_

- 4.1.. Delivery after receipt of order (# of calendar days): \_\_\_\_\_ DAYS
- 4.2. Is Manufacturer’s detailed warranty on items quoted attached with your bid? YES \_\_\_ NO \_\_\_
- 4.3. Pricing:

Complete proposed pricing on attached *Exhibit A – 4.3. Pricing*

The undersigned offers to furnish and deliver the articles or services as specified at the prices and terms stated and in strict accordance with all requirements contained in the Request for Bid which have been read and understood, and all of which are made part of this order. By submission of this bid, the vendor certifies that they are in compliance with Section 34.353 and, if applicable, Section 34.359 (Missouri Domestic Products Procurement Act) of the Revised Statutes of Missouri.

Authorized Representative (Sign By Hand): \_\_\_\_\_ Date: \_\_\_\_\_

Print Name and Title of Authorized Representative:

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**Boone County Purchasing**

***“No Bid” Response Form***

613 E. Ash, Room 110  
Columbia, MO 65201

Melinda Bobbitt, CPPO, Director of Purchasing  
Phone: (573) 886-4391 – Fax: (573) 886-4390  
E-mail: [mbobbitt@boonecountymo.org](mailto:mbobbitt@boonecountymo.org)

**“NO BID RESPONSE FORM”**

**NOTE: COMPLETE AND RETURN THIS FORM ONLY IF YOU DO NOT WANT TO SUBMIT A BID**

If you do not wish to respond to this bid request, but would like to remain on the Boone County vendor list **for this service/commodity**, please remove form and return to the Purchasing Department by mail or fax.

If you would like to FAX this “No Bid” Response Form to our office, the FAX number is (573) 886-4390.

**Bid: 75-24NOV15 – Antenna / Feedline Equipment**

Business Name: \_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_

Contact: \_\_\_\_\_

Date: \_\_\_\_\_

Reason(s) for not bidding:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**Boone County Purchasing**  
613 E. Ash, Room 110  
Columbia, MO 65201

### *Standard Terms and Conditions*

Melinda Bobbitt, CPPO, Director of Purchasing  
Phone: (573) 886-4391 – Fax: (573) 886-4390

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1. Contractor shall comply with all applicable federal, state, and local laws and failure to do so, in County's sole discretion, shall give County the right to terminate this Contract.
2. Responses shall include all charges for packing, delivery, installation, etc., (unless otherwise specified) to the Boone County Department identified in the Request for Bid and/or Proposal.
3. The Boone County Commission has the right to accept or reject any part or parts of all bids, to waive technicalities, and to accept the offer the County Commission considers the most advantageous to the County. Boone County reserves the right to award this bid on an item-by-item basis, or an "all or none" basis, whichever is in the best interest of the County.
4. Bidders must use the bid forms provided for the purpose of submitting bids, must return the bid and bid sheets comprised in this bid, give the unit price, extended totals, and sign the bid. The Purchasing Director reserves the right, when only one bid has been received by the bid closing date, to delay the opening of bids to another date and time in order to revise specifications and/or establish further competition for the commodity or service required. The one (1) bid received will be retained unopened until the new Closing date, or at request of bidder, returned unopened for re-submittal at the new date and time of bid closing.
5. When products or materials of any particular producer or manufacturer are mentioned in our specifications, such products or materials are intended to be descriptive of type or quality and not restricted to those mentioned.
6. Do not include Federal Excise Tax or Sales and Use Taxes in bid process, as law exempts the County from them.
7. The delivery date shall be stated in definite terms, as it will be taken into consideration in awarding the bid.
8. The County Commission reserves the right to cancel all or any part of orders if delivery is not made or work is not started as guaranteed. In case of delay, the Contractor must notify the Purchasing Department.
9. In case of default by the Contractor, the County of Boone will procure the articles or services from other sources and hold the Bidder responsible for any excess cost occasioned thereby.
10. Failure to deliver as guaranteed may disqualify Bidder from future bidding.
11. Prices must be as stated in units of quantity specified, and must be firm. Bids qualified by escalator clauses may not be considered unless specified in the bid specifications.
12. No bid transmitted by fax machine or e-mail will be accepted.

13. The County of Boone, Missouri expressly denies responsibility for, or ownership of any item purchased until same is delivered to the County and is accepted by the County.
14. The County reserves the right to award to one or multiple respondents. The County also reserves the right to not award any item or group of items if the services can be obtained from a state or other governmental entities contract under more favorable terms. The resulting contract will be considered “Non-Exclusive”. The County reserves the right to purchase from other vendors.
15. The County, from time to time, uses federal grant funds for the procurement of goods and services. Accordingly, the provider of goods and/or services shall comply with federal laws, rules and regulations applicable to the funds used by the County for said procurement, and contract clauses required by the federal government in such circumstances are incorporated herein by reference. These clauses can generally be found in the Federal Transit Administration’s Best Practices Procurement Manual – Appendix A. Any questions regarding the applicability of federal clauses to a particular bid should be directed to the Purchasing Department prior to bid opening.
16. In the event of a discrepancy between a unit price and an extended line item price, the unit price shall govern.
17. Should an audit of Contractor’s invoices during the term of the Agreement, and any renewals thereof, indicate that the County has remitted payment on invoices that constitute an over-charging to the County above the pricing terms agreed to herein, the Contractor shall issue a refund check to the County for any over-charges within 30-days of being notified of the same.
18. **For all titled vehicles and equipment the dealer must use the actual delivery date to the County on all transfer documents** including the Certificate of Origin (COO,) Manufacturer’s Statement of Origin (MSO,) Bill of Sale (BOS,) and Application for Title.
19. **Equipment and serial and model numbers - The contractor is strongly encouraged to include equipment serial and model numbers for all amounts invoiced to the County. If equipment serial and model numbers are not provided on the face of the invoice, such information may be required by the County before issuing payment.**

**(Please complete and return with Bid)**

Certification Regarding  
Debarment, Suspension, Ineligibility and Voluntary Exclusion  
Lower Tier Covered Transactions

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 29 CFR Part 98 Section 98.510, Participants' responsibilities. The regulations were published as Part VII of the May 26, 1988, Federal Register (pages 19160-19211).

**(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS FOR CERTIFICATION)**

- (1) The prospective recipient of Federal assistance funds certifies, by submission of this proposal, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective recipient of Federal assistance funds is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

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Name and Title of Authorized Representative

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Signature

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Date

**EXHIBIT A - 4.3. PRICING**

Item #	Brand	Model	Site/Label ID	Description	Qty.	U/M	Unit Price	Extended
<b>GROUP 1 FOR ECC</b>								
4.3.1.	Decibel Products	DB-499-A	ECC	800 Yagi	4	ea	\$	\$
4.3.2.	Decibel Products	DB-436-C	ECC	UHF Yagi	2	ea	\$	\$
4.3.3.	Telewave	ANT150F2	ECC	VHF Backup	5	ea	\$	\$
4.3.4.	RFS	1121-6	ECC	Control Station/Single Dipole	12	ea	\$	\$
4.3.5.	CommScope	MT-651-108	ECC	Antenna Mounting Pipes	18	ea	\$	\$
4.3.6.	CommScope	XP-2040	ECC	Crossover Brackets	36	ea	\$	\$
4.3.7.	CommScope	DB-465-OS	ECC	Clamps	19	ea	\$	\$
4.3.8	Decibel Products	DB-5012	ECC	Mounts to split for GPS	3	ea	\$	\$
4.3.9.	Times Microwave	LMR-600	ECC	Put up on 500' Reels	4000	ft	\$	\$
4.3.10.	RF Industries	RFN-1006-2L2	ECC	N-M connectors for LMR-600	40	ea	\$	\$
4.3.11.	RF Industries	RFN-1028-2L2	ECC	N-F connectors for LMR-600	60	ea	\$	\$
4.3.12.	RF Industries	RFA-4009-20	ECC	LMR-600 crimp tool	1	ea	\$	\$
4.3.13.	RF Industries	RFA-4009-01	ECC	LMR-600 crimp dies	1	ea	\$	\$
4.3.14.	Times Microwave	CST-600	ECC	LMR-600 prep tool	1	ea	\$	\$
4.3.15.	Times Microwave	LMR-400	ECC	Put Up on 500' Reels	1500	ft	\$	\$
4.3.16.	RF Industries	RFN-1006-3i	ECC	N-M connectors for LMR-400	200	ea	\$	\$
4.3.17.	PolyPhaser	VHF50HN-MA	ECC	Surge Protectors Fe-Male	16	ea	\$	\$
4.3.18.	PolyPhaser	VHF50HN	ECC	Surge Protectors Fe-Fe	30	ea	\$	\$
4.3.19.	PolyPhaser	DGXZ-06NFNF-A	ECC	Surge Proetectors for GPS	4	ea	\$	\$
<b>TOTAL FOR GROUP 1 - ECC</b>								\$
<b>GROUP 2 - JCT/RX1</b>								
4.3.20.	Andrew	AVA5-50FX	JCT/RX1	VHF Receive Feedline	220	ft	\$	\$
4.3.21.	Andrew	SSH78	JCT/RX1	7/8" snap in hangers	8	boxes	\$	\$
4.3.22.	PPC	UXP-NF-78FX	JCT/RX1	7/8" N-FE Connectors	2	ea	\$	\$
4.3.23.	Andrew	L5SGRIP	JCT/RX1	Hoisting Grip	1	ea	\$	\$
4.3.24.	Andrew	SG78-12B2U	JCT/RX1	Grounding Kit	2	ea	\$	\$
4.3.25.	Andrew	294573	JCT/RX1	4" Entry Panel Boot	1	ea	\$	\$
4.3.26.	Andrew	294698	JCT/RX1	Cushions, Each for 2 x 7/8"	1	ea	\$	\$
<b>TOTAL FOR GROUP 2 - JCT/RX1</b>								\$

**EXHIBIT A - 4.3. PRICING**

<b>GROUP 3 - JCT/RX2</b>								
4.3.27.	Andrew	AVA5-50FX	JCT/RX2	VHF Receive Feedline	220	ft	\$	\$
4.3.28.	Andrew	SSH78	JCT/RX2	7/8" snap in hangers	8	boxes	\$	\$
4.3.29.	PPC	UXP-NF-78FX	JCT/RX2	7/8" N-FE Connectors	2	ea	\$	\$
4.3.30.	Andrew	L5SGRIP	JCT/RX2	Hoisting Grip	1	ea	\$	\$
4.3.31.	Andrew	SG78-12B2U	JCT/RX2	Grounding Kit	2	ea	\$	\$
4.3.32.	Andrew	294573	JCT/RX2	4" Entry Panel Boot	1	ea	\$	\$
4.3.33.	Andrew	294698	JCT/RX2	Cushions, Each for 2 x 7/8"	1	ea	\$	\$
<b>TOTAL FOR GROUP 3 - JCT/RX2</b>								\$
<b>GROUP 4 - JCT/UHF</b>								
4.3.34.	Andrew	DB-420-B	JCT/UHF	UHF Repeater Antenna	1	ea	\$	\$
4.3.35.	Andrew	AVA5-50FX	JCT/UHF	UHF Repeater Feedline	220	ft	\$	\$
4.3.36.	Andrew	SSH78	JCT/UHF	7/8" snap in hangers	8	boxes	\$	\$
4.3.37.	PPC	UXP-NF-78FX	JCT/UHF	7/8" N-FE Connectors	2	ea	\$	\$
4.3.38.	Andrew	L5SGRIP	JCT/UHF	Hoisting Grip	1	ea	\$	\$
4.3.39.	Andrew	SG78-12B2U	JCT/UHF	Grounding Kit	2	ea	\$	\$
4.3.40.	Andrew	294573	JCT/UHF	4" Entry Panel Boot	1	ea	\$	\$
4.3.41.	Andrew	294698	JCT/UHF	Cushions, Each for 2 x 7/8"	1	ea	\$	\$
<b>TOTAL FOR GROUP 4 - JCT/UHF</b>								\$
<b>GROUP 5 - JCT/800</b>								
4.3.42.	Andrew	DB-809KE-XT	JCT/800	800 Repeater Antenna	1	ea	\$	\$
4.3.43.	Andrew	AVA5-50FX	JCT/800	800 Repeater Feedline	220	ft	\$	\$
4.3.44.	RF Industries	P2RFD-1671-SS	JCT/800	DIN adapter	1	ea	\$	\$
4.3.45.	Andrew	SSH78	JCT/800	7/8" snap in hangers	8	boxes	\$	\$
4.3.46.	PPC	UXP-NF-78FX	JCT/800	7/8" N-FE Connectors	2	ea	\$	\$
4.3.47.	Andrew	L5SGRIP	JCT/800	Hoisting Grip	1	ea	\$	\$
4.3.48.	Andrew	SG78-12B2U	JCT/800	Grounding Kit	2	ea	\$	\$
4.3.49.	Andrew	294573	JCT/800	4" Entry Panel Boot	1	ea	\$	\$
4.3.50.	Andrew	294698	JCT/800	Cushions, Each for 2 x 7/8"	1	ea	\$	\$
<b>TOTAL FOR GROUP 5 - JCT/800</b>								\$
<b>GROUP 6 - JCT/UHF2</b>								

**EXHIBIT A - 4.3. PRICING**

4.3.51.	Andrew	AVA5-50FX	JCT/UHF2	UHF-2 feedline	135	ft	\$	\$
4.3.52.	Andrew	SSH-78	JCT/UHF2	7/8" snap in hangers	5	boxes	\$	\$
4.3.53.	PPC	UXP-NF-78FX	JCT/UHF2	7/8" F-FE Connectors	2	ea	\$	\$
4.3.54.	Andrew	L5SGRIP	JCT/UHF2	Hoisting Grip	1	ea	\$	\$
4.3.55.	Andrew	SG78-12B2U	JCT/UHF2	Grounding Kit	2	ea	\$	\$
4.3.56.	Andrew	294573	JCT/UHF2	4" Entry Panel Boot	1	ea	\$	\$
4.3.57.	Andrew	294698	JCT/UHF2	Cushions, Each for 2 x 7/8"	1	ea	\$	\$
<b>TOTAL FOR GROUP 6 - JCT/UHF2</b>								\$

**GROUP 7 - JCT/RX3**

4.3.58.	Andrew	DB-224-A	JCT/RX3	VHF Spare	1	ea	\$	\$
4.3.59.	Andrew	AVA5-50FX	JCT/RX3	VHF Receive Feedline	135	ft	\$	\$
4.3.60.	Andrew	SSH78	JCT/RX3	7/8" snap in hangers	5	boxes	\$	\$
4.3.61.	PPC	UXP-NF-78FX	JCT/RX3	7/8" N-FE Connectors	2	ea	\$	\$
4.3.62.	Andrew	L5SGRIP	JCT/RX3	Hoisting Grip	1	ea	\$	\$
4.3.63.	Andrew	SG78-12B2U	JCT/RX3	Grounding Kit	2	ea	\$	\$
4.3.64.	Andrew	294573	JCT/RX3	4" Entry Panel Boot	1	ea	\$	\$
4.3.65.	Andrew	294698	JCT/RX3	Cushions, Each for 2 x 7/8"	1	ea	\$	\$
<b>TOTAL FOR GROUP 7 - JCT/RX3</b>								\$

**GROUP 8 - JCT/802**

4.3.66.	Andrew	DB-809KE-XT	JCT/802	800 Repeater Antenna	1	ea	\$	\$
4.3.67.	Andrew	AVA5-50FX	JCT/802	800 Repeater Feedline	135	ft	\$	\$
4.3.68.	RF Industries	P2RFD-1671-SS	JCT/802	DIN adapter	1	ea	\$	\$
4.3.69.	Andrew	SSH78	JCT/802	7/8" snap in hangers	5	boxes	\$	\$
4.3.70.	PPC	UXP-NF-78FX	JCT/802	7/8" N-FE Connectors	2	ea	\$	\$
4.3.71.	Andrew	L5SGRIP	JCT/802	Hoisting Grip	1	ea	\$	\$
4.2.72.	Andrew	SG78-12B2U	JCT/802	Grounding Kit	2	ea	\$	\$
<b>TOTAL FOR GROUP 8 - JCT/802</b>								\$

**GROUP 9 - JCT/ZIN**

4.3.73.	Andrew	P4-57W-PXA/A	JCT/ZIN	4' Dish	1	ea	\$	\$
4.3.74.	Andrew	252SEM	JCT/ZIN	Top Waveguide Flange	1	ea	\$	\$
4.3.75.	Andrew	EW52	JCT/ZIN	Elliptical Waveguide EW52	180	ft	\$	\$

**EXHIBIT A - 4.3. PRICING**

4.3.76.	Andrew	252SEM	JCT/ZIN	Bottom waveguide flange	1	ea	\$	\$
4.3.77.	Andrew	55001-137	JCT/ZIN	Bottom Flange Pressure Window	1	ea	\$	\$
4.3.78.	Andrew	C137CNDG	JCT/ZIN	Bottom flange N-FE adapter	1	ea	\$	\$
4.3.79.	Andrew	42396A-8	JCT/ZIN	Snap in hangers	9	boxes	\$	\$
4.3.80.	Andrew	24312-A	JCT/ZIN	Hoisting Grip	1	ea	\$	\$
4.3.81.	Andrew	220498	JCT/ZIN	Grounding Kit, 36" lead	2	ea	\$	\$
4.3.82.	Andrew	294573	JCT/ZIN	4" Entry Panel Boot	1	ea	\$	\$
4.3.83.	Andrew	HA52C	JCT/ZIN	Single waveguide cushion	1	ea	\$	\$
<b>TOTAL FOR GROUP 9 - JCT/802</b>								\$

**GROUP 10 - ZIN/JCT**

4.3.84.	Andrew	P4-57W-PXA/A	ZIN/JCT	4' Dish	1	ea	\$	\$
4.3.85.	Andrew	252SEM	ZIN/JCT	Top Waveguide Flange	1	ea	\$	\$
4.3.86.	Andrew	EW52	ZIN/JCT	Elliptical Waveguide EW52	170	ft	\$	\$
4.3.87.	Andrew	252SEM	ZIN/JCT	Bottom waveguide flange	1	ea	\$	\$
4.3.88.	Andrew	55001-137	ZIN/JCT	Bottom Flange Pressure Window	1	ea	\$	\$
4.3.89.	Andrew	C137CNDG	ZIN/JCT	Bottom flange N-FE adapter	1	ea	\$	\$
4.3.90.	Andrew	42396A-8	ZIN/JCT	Snap in hangers	9	boxes	\$	\$
4.3.91.	Andrew	24312-A	ZIN/JCT	Hoisting Grip	1	ea	\$	\$
4.3.92.	Andrew	220498	ZIN/JCT	Grounding Kit, 36" lead	2	ea	\$	\$
4.3.93.	Andrew	294573	ZIN/JCT	4" Entry Panel Boot	1	ea	\$	\$
4.3.94.	Andrew	HA52C	ZIN/JCT	Single waveguide cushion	1	ea	\$	\$
4.3.95.	Andrew	MOJAVE1	ZIN/JCT	Dehydrator	1	ea	\$	\$
4.3.96.	Andrew	6600D-6	ZIN/JCT	Air manifold and piping	1	ea	\$	\$
4.3.97.	Andrew	6600D-2	ZIN/JCT	Air manifold and piping	1	ea	\$	\$
<b>TOTAL FOR GROUP 10 - ZIN/JCT</b>								\$

**GROUP 11 - JCT/MCC**

4.3.98.	Andrew	P4-57W-PXA/A	JCT/MCC	4' Dish	1	ea	\$	\$
4.3.99.	Andrew	252SEM	JCT/MCC	Top Waveguide Flange	1	ea	\$	\$
4.3.100.	Andrew	EW52	JCT/MCC	Elliptical Waveguide EW52	180	ft	\$	\$
4.3.101.	Andrew	252SEM	JCT/MCC	Bottom waveguide flange	1	ea	\$	\$
4.3.102.	Andrew	55001-137	JCT/MCC	Bottom Flange Pressure Window	1	ea	\$	\$
4.3.103.	Andrew	C137CNDG	JCT/MCC	Bottom flange N-FE adapter	1	ea	\$	\$

**EXHIBIT A - 4.3. PRICING**

4.3.104.	Andrew	42396A-8	JCT/MCC	Snap in hangers	9	boxes	\$	\$
4.3.105.	Andrew	24312-A	JCT/MCC	Hoisting Grip	1	ea	\$	\$
4.3.106.	Andrew	220498	JCT/MCC	Grounding Kit, 36" lead	2	ea	\$	\$
4.3.107.	Andrew	294573	JCT/MCC	4" Entry Panel Boot	1	ea	\$	\$
4.3.108.	Andrew	HA52C	JCT/MCC	Single waveguide cushion	1	ea	\$	\$
<b>TOTAL FOR GROUP 11 - JCT/MCC</b>								\$

**GROUP 12 - JCT/GRS**

4.3.109.	Andrew	P4-57W-PXA/A	JCT/GRS	4' Dish	1	ea	\$	\$
4.3.110.	Andrew	252SEM	JCT/GRS	Top Waveguide Flange	1	ea	\$	\$
4.3.111.	Andrew	EW52	JCT/GRS	Elliptical Waveguide EW52	165	ft	\$	\$
4.3.112.	Andrew	252SEM	JCT/GRS	Bottom waveguide flange	1	ea	\$	\$
4.3.113.	Andrew	55001-137	JCT/GRS	Bottom Flange Pressure Window	1	ea	\$	\$
4.3.114.	Andrew	C137CNDG	JCT/GRS	Bottom flange N-FE adapter	1	ea	\$	\$
4.3.115.	Andrew	42396A-8	JCT/GRS	Snap in hangers	9	boxes	\$	\$
4.3.116.	Andrew	24312-A	JCT/GRS	Hoisting Grip	1	ea	\$	\$
4.3.117.	Andrew	220498	JCT/GRS	Grounding Kit, 36" lead	2	ea	\$	\$
4.3.118.	Andrew	294573	JCT/GRS	4" Entry Panel Boot	1	ea	\$	\$
4.3.119.	Andrew	HA52C	JCT/GRS	Single waveguide cushion	1	ea	\$	\$
<b>TOTAL FOR GROUP 12 - JCT/GRS</b>								\$

**GROUP 13 - GRS/JCT**

4.3.120.	Andrew	P4-57W-PXA/A	GRS/JCT	4' Dish	1	ea	\$	\$
4.3.121.	Andrew	252SEM	GRS/JCT	Top Waveguide Flange	1	ea	\$	\$
4.3.122.	Andrew	EW52	GRS/JCT	Elliptical Waveguide EW52	190	ft	\$	\$
4.3.123.	Andrew	252SEM	GRS/JCT	Bottom waveguide flange	1	ea	\$	\$
4.3.124.	Andrew	55001-137	GRS/JCT	Bottom Flange Pressure Window	1	ea	\$	\$
4.3.125.	Andrew	C137CNDG	GRS/JCT	Bottom flange N-FE adapter	1	ea	\$	\$
4.3.126.	Andrew	42396A-8	GRS/JCT	Snap in hangers	9	boxes	\$	\$
4.3.127.	Andrew	24312-A	GRS/JCT	Hoisting Grip	1	ea	\$	\$
4.3.128.	Andrew	220498	GRS/JCT	Grounding Kit, 36" lead	2	ea	\$	\$
4.3.129.	Andrew	294573	GRS/JCT	4" Entry Panel Boot	1	ea	\$	\$
4.3.130.	Andrew	HA52C	GRS/JCT	Single waveguide cushion	1	ea	\$	\$
4.3.131.	Andrew	MOJAVE1	GRS/JCT	Dehydrator	1	ea	\$	\$

**EXHIBIT A - 4.3. PRICING**

4.3.132.	Andrew	6600D-4	GRS/JCT	Air manifold and piping	1	ea	\$	\$
<b>TOTAL FOR GROUP 13 - GRS/JCT</b>								\$
<b>GROUP 14 - ZIN/CEN</b>								
4.3.133.	Radiowaves	SP4-5.2	ZIN/CEN	4' Dish	1	ea	\$	\$
4.3.134.	Radiowaves	SP4-5.2	ZIN/CEN	4' Dish	1	ea	\$	\$
4.3.135.	Radiowaves	RD-4	ZIN/CEN	4' Radome	2	ea	\$	\$
<b>TOTAL FOR GROUP 14 - ZIN/CEN</b>								\$
<b>GROUP 15 - JCT</b>								
4.3.136.	Andrew	WB-K210-B	JCT	Waveguide Bridge Kit	2	ea	\$	\$
4.3.137.	Andrew	204673-16	JCT	Entry panel	1	ea	\$	\$
4.3.138.	Decibel Products	DB-499-A	JCT	800 Interop + MOSWIN	6	ea	\$	\$
4.3.139.	RFS	1121-6	JCT	VHF Dipoles	6	ea	\$	\$
4.3.140.	Laird	FG4503	JCT	UHF Service	1	ea	\$	\$
4.3.141.	Laird	FG8063	JCT	800 Service	1	ea	\$	\$
4.3.142.	Decibel Products	DB-436-C	JCT	MSHP Monitor	1	ea	\$	\$
4.3.143.	Decibel Products	DB-465-OS	JCT	Clamps	10	ea	\$	\$
4.3.144.	Decibel Products	DB-5001	JCT	Mounts	3	ea	\$	\$
4.3.145.	Times Microwave	LMR-400	JCT	Put Up on 500' Reels	2000	ft	\$	\$
4.3.146.	RF Industries	RFN-1006-3i	JCT	N-M connectors for LMR-400	300	ea	\$	\$
4.3.147.	PolyPhaser	AL-LSXM-ME	JCT	Microwave protectors	10	ea	\$	\$
4.3.148.	PolyPhaser	VHF50HN-MA	JCT	Surge Protectors Fe-Male	16	ea	\$	\$
<b>TOTAL FOR GROUP 15 - JCT</b>								\$
<b>GROUP 16 - BHS</b>								
4.3.149.	Decibel Products	DB-224A	BHS	VHF Receive	1	ea	\$	\$
4.3.150.	Andrew	AVA5-50FX	BHS	7/8" feedline	205	ft	\$	\$
4.3.151.	PPC	UXP-NF-78FX	BHS	7/8" N-Fe connectors	2	ea	\$	\$
4.3.152.	Andrew	L5SGRIP	BHS	Hoisting grip	1	ea	\$	\$
4.3.153.	Andrew	SG78-12B2U	BHS	Grounding Kit	2	ea	\$	\$
4.3.154.	Andrew	AVA5-50FX	BHS	7/8" feedline	130	ft	\$	\$
4.3.155.	Andrew	AVA5-50FX	BHS	7/8" feedline	130	ft	\$	\$
4.3.156.	PPC	UXP-NF-78FX	BHS	7/8" N-Fe connectors	4	ea	\$	\$

**EXHIBIT A - 4.3. PRICING**

4.3.157.	Andrew	L5SGRIP	BHS	Hoisting grip	2	ea	\$	\$
4.3.158.	Andrew	SG78-12B2U	BHS	Grounding kit	4	ea	\$	\$
4.3.159.	Andrew	WB-K210-B	BHS	Waveguide Bridge Kit	2	ea	\$	\$
4.3.160.	Andrew/I-Line	294573	BHS	Entry Boots - 4" ports	3	ea	\$	\$
4.3.161.	Andrew/I-Line	294698	BHS	Cushions - Each for 2 x 7/8"	2	ea	\$	\$
4.3.162.	Andrew/I-Line	294686	BHS	Cushions - Each for 3 x 1/2"	1	ea	\$	\$
<b>TOTAL FOR GROUP 16 - BHS</b>								\$

**GROUP 17 - JCT/ROC**

4.3.163.	Andrew	PL6-57W-PXA/A	JCT/ROC	6' Dish	1	ea	\$	\$
4.3.164.	Andrew	252SEM	JCT/ROC	Top waveguide flange	1	ea	\$	\$
4.3.165.	Andrew	EW52	JCT/ROC	Elliptical Waveguide EW52	195	ft	\$	\$
4.3.166.	Andrew	252SEM	JCT/ROC	Bottom waveguide flange	1	ea	\$	\$
4.3.167.	Andrew	55001-137	JCT/ROC	Bottom Flange Pressure Window	1	ea	\$	\$
4.3.168.	Andrew	C137CNDG	JCT/ROC	Bottom flange N-FE adapter	1	ea	\$	\$
4.3.169.	Andrew	42396A-8	JCT/ROC	Butterfly hangers	2	boxes	\$	\$
4.3.170.	Andrew	EWSH-52	JCT/ROC	Snap in hangers	6	boxes	\$	\$
4.3.171.	Andrew	24312-A	JCT/ROC	Hoisting Grip	1	ea	\$	\$
4.3.172.	Andrew	220498	JCT/ROC	Grounding Kit, 36" lead	2	ea	\$	\$
4.3.173.	Andrew	294573	JCT/ROC	4" Entry Panel Boot	1	ea	\$	\$
4.3.174.	Andrew	HA52C	JCT/ROC	Single waveguide cushion	1	ea	\$	\$
4.3.175.	Andrew	MOJAVE1	JCT/ROC	Dehydrator	1	ea	\$	\$
4.3.176.	Andrew	6600D-6	JCT/ROC	Air manifold and piping	1	ea	\$	\$
4.3.177.	Andrew	6600D-2	JCT/ROC	Air manifold and piping	1	ea	\$	\$
<b>TOTAL FOR GROUP 17 - JCT/ROC</b>								\$

**GROUP 18 - ROC/JCT**

4.3.178.	Andrew	PL6-57W-PXA/A	ROC/JCT	6' Dish	1	ea	\$	\$
4.3.179.	Andrew	252SEM	ROC/JCT	Top waveguide flange	1	ea	\$	\$
4.3.180.	Andrew	EW52	ROC/JCT	Elliptical Waveguide EW52	205	ft	\$	\$
4.3.181.	Andrew	252SEM	ROC/JCT	Bottom waveguide flange	1	ea	\$	\$
4.3.182.	Andrew	55001-137	ROC/JCT	Bottom Flange Pressure Window	1	ea	\$	\$
4.3.183.	Andrew	C137CNDG	ROC/JCT	Bottom flange N-FE adapter	1	ea	\$	\$
4.3.184.	Andrew	42396A-8	ROC/JCT	Butterfly hangers	1	boxes	\$	\$

**EXHIBIT A - 4.3. PRICING**

4.3.185.	Andrew	EWSH-52	ROC/JCT	Snap in hangers	6	boxes	\$	\$
4.3.186.	Andrew	SSH-78	ROC/JCT	Snap in hangers	25	boxes	\$	\$
4.3.187.	Andrew	CS-B-2	ROC/JCT	Cluster Support Bracket w/ U-bolt	60	ea	\$	\$
4.3.188.	Andrew	24312-A	ROC/JCT	Hoisting Grip	1	ea	\$	\$
4.3.189.	Andrew	220498	ROC/JCT	Grounding Kit, 36" lead	2	ea	\$	\$
4.3.190.	Andrew	294573	ROC/JCT	4" Entry Panel Boot	1	ea	\$	\$
4.3.191.	Andrew	HA52C	ROC/JCT	Single waveguide cushion	1	ea	\$	\$
4.3.192.	Andrew	MOJAVE1	ROC/JCT	Dehydrator	1	ea	\$	\$
4.3.193.	Andrew	6600D-4	ROC/JCT	Air manifold and piping	1	ea	\$	\$
<b>TOTAL FOR GROUP 18 - ROC/JCT</b>								\$
<b>GRAND TOTAL FOR ALL GROUPS</b>								\$