

BID TABULATION - 2015 HIGHWAY SHED CELLULAR

<b>2015 HIGHWAY SHED CELLULAR BID OPENING DATE 8-25-15</b>	<b>UNITED TECHNOLOGIES CORPORATION</b>
	7201 N. LINDBERGH HAZELWOOD MO 63042
<b>PROJECT COST:</b>	\$25,770.00
NOTARIZED WORK AFFIDAVIT COMPLETED	Y
COPY OF INSURANCE PROVIDED	Y
TAX RECEIPTS OR NOTARIZED LETTER STATING NO REAL OR PERSONAL PROPERTY OWNED IN JEFFERSON COUNTY	Y
COOPERATIVE BID FORM (Y/N)	Y
COOPERATIVE CONTACT INFO:	Y
COMPANY INFORMATION AND SIGNATURE	Y
BID DEPOSIT REQUIRED	N/A
<b>COMMENTS:</b>	SEE ATTACHED



**JEFFERSONCOUNTY**  
**DEPARTMENT OF ADMINISTRATIVE SERVICES**  
 729 MAPLE ST / PO BOX100  
 HILLSBORO MO 63050  
 WWW.JEFFCOMO.ORG

**Request for Proposal: 2015 HIGHWAY SHED CELLULAR Date Issued: 07-23-2015**

**PROPOSALS SHALL BE ACCEPTED UNTIL: TUESDAY, AUGUST 25, 2015 AT 2:00 P.M. LOCAL TIME.**

**Specification  
 Contact:**

**JASONJON AS**  
 Department of Public Works  
 636-797-5369  
 jjonas@jeffcomo.org

**Contract  
 Contact:**

**VICKIE PRATT**  
 Department of Administrative  
 Services 636-797-5380

**SAMPLE ENVELOPE**

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

<i>VENDORNAME</i>	
<i>VENDORADDRESS</i>	
<i>CONTACTNUMBER</i>	<b>DEPARTMENT OF THE    COUNTYCLERKJEFFERSON    COUNTYMISSOURI    729MAPLEST/POBOX100</b>
SEALED PROPOSAL: (PROPOSALNAME)	

**Contract Term:  
 upon approval by  
 the County Council  
 And County  
 Executive**

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. This Proposal, if accepted, will constitute an Agreement and Contract with Jefferson County, Missouri, upon approval of the County Council and County Executive. 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:**

United Technologies Corporation	Nick Niknejadi	
CompanyName	Authorized Agent(Print)	
7201 N. Lindbergh	<i>Nick Niknejadi</i>	
Address	Signature	
Hazelwood, MO 63042	CEO	
City/State/Zip Code	Title	
314-731-4422	8-24-15	43-1662378
Telephone#	Date	Tax ID#
nniknejadi@utc-usa.com	314-736-5775	
E-mail	Fax#	

---

## **MANAGEMENT SUMMARY**

---

Having carefully reviewed the two Jefferson County's Highway Shed Buildings' Cellular signal reception requirements, the following technologically advanced bidirectional cellular wireless repeater network is proposed.

### **SCOPE**

United Technologies Corporation is pleased to provide contract services, in response to RFP dated July 24, 2015, for cellular project site survey, RF signal measurements, spectrum snapshots for various frequency bands, create an engineering design, and installation of wireless equipment, based on the following criteria:

#### **Enhance Wireless Cellular Reception**

- Wireless Service - Licensed Spectrum Cellular
- SureCall/Wilson Repeater
- Downlink - CELL/PCS/LTE
- Design dBm - 90 dB or Better

Assign a highly experienced wireless engineer for the project.

Responsibilities of the designer will include:

- Using the 'Floor Plans' provided by the Department, deliver a fully integrated Repeater, **Continent Upon adequate outdoor signal strength (-90 dBm or better).**
- Site survey services.
- Design services.
- Supervise installation/labor.
- Project management services.
- Commissioning services.
- Wireless data analysis and testing.
- RF equipment sources
- Commission the system based on manufacturer's specifications.
- Verify RF coverage requirements are met.
- Measure signal quality and strength using appropriate wireless devices.

### **PROJECT COST**

Total cost for project is \$ 25,770.00

<b>JEFFERSON COUNTY</b> <b>Department of The County Clerk</b>
--

## Terms and Conditions

Proposed system cost includes:

- All non-plenum rated cabling
- All installations - electrical wiring
- All Permits
- All equipment
- One year on-site warranty for equipment, 90-days for cabling

Proposed system cost Does not include

- Cutting, core or masonry drilling
- Patching, paint finish work
- Building UPS, power generator, or other backup power system

Note: Provisioning for all equipment power requirements is the responsibility of the County.

## Installation

In addition to all requirements as set forth by the RFP, system delivered would have components as described below.

Adjunct Cell Network - The network to implement a robust system for communication of cellular services provided by the 4 major wireless operators: Verizon, AT&T, Sprint, and T-Mobile.

Regulations - Network will meet all state and federal regulations.

Intended Coverage Areas - Bidirectional cellular wireless repeaters to cover the Highway B building, Lower Shed building, and Sing Shop.

Equipment Used - Bidirectional amplifiers, Non-plenum coax cabling, Antennas, Splitters, Diplexers, and Accessories.

## **INSTALLATION AND SUPPORT**

The following appropriate Staffing is required for all phases of installation and support:

**Project Manager** - Mr. Tony Moll will be the project manager.

### **Cabling/Installation**

Three people will be given the assignment of site preparation, cabling, installation, and testing.

### Warranty/Post Warranty Support

All hardware is warranted for a period of one year from final installation, and 90-days for all cabling. After the first year, on going licensed spectrum network maintenance can be provided as a part of REJIS maintenance program.

## **CERTIFICATE OF INSURANCE**

Certificate of insurance is provided with this proposal.

**JEFFERSON COUNTY**  
**Department of The County Clerk**

---

**MAINTENANCE**

---

**Maintenance Program**

Comprehensive maintenance programs are available for installations and all hardware. After the warranty period, these maintenance programs may be used to protect against problems and unwanted down time.

**Hardware/Software Warranty**

All hardware carry one-year on-site warranty. This warranty covers all parts and labor. Additional charges apply if extended maintenance (24/7) is desired.

**Hardware Maintenance**

After year one, reasonably priced comprehensive maintenance program may be purchased.

**On-Call Maintenance Service**

On-call maintenance service may be used with time and material charges: \$95 per hour plus parts.

**Maintenance Service**

U.T.C. currently provides maintenance services for REJIS. All maintenance services are performed by UTC's trained and qualified maintenance personnel.

All maintenance calls are to be placed Monday through Friday, 7:00 AM to 7:00 PM:

314/731-4422, or Toll Free 800-436-0089

Extended maintenance, based on 24 hours per day/7 days per week (24/7 plan), service is available at 1.5 times normal rate. For greater cost savings, it is suggested to place only the main processor under Extended Service and the rest of the system under normal maintenance.

After hour's service through special phone No.

Normal response to maintenance calls for customers with "service Agreement" or Warranty coverage is 4 hours from the time the call is received.

Response time for "per call" basis customers is next business day.

**AUTOMATED SERVICE CALL DISPATCH**

All service calls are logged and archived within the automated service call dispatch system. For call tracking purposes, a service call "Log Number" will be issued to the calling party (and one will be obtained if caller is equipped to provide a number). After a call is received, a field engineering dispatch supervisor will obtain details of the reported malfunction. The call will then be dispatched to the nearest software or hardware field engineer (FE) via text or digital phone.