

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



ITEM  
3.20  
(ID # 10532)

**MEETING DATE:**

Tuesday, September 24, 2019

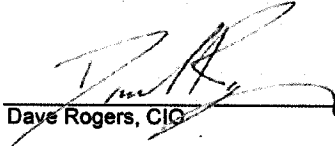
**FROM :** RIVERSIDE COUNTY INFORMATION TECHNOLOGY:

**SUBJECT:** RIVERSIDE COUNTY INFORMATION TECHNOLOGY - Public Safety Enterprise Communication (PSEC): Ratify and Approve the Emergency Purchase of Radio Tower Services to Repair and Replace the Damaged Antennas at Santa Rosa Peak with JTD Consulting, Inc dba Wireless Infrastructure Services (WIS), All Districts. [Total Cost \$220,398; - RCIT: PSEC Budget – 100%]

**RECOMMENDED MOTION:** That the Board of Supervisors:

1. Ratify and approve the emergency purchase of radio tower services to repair and replace the damaged antennas at Santa Rosa Peak with JTD Consulting, Inc dba Wireless Infrastructure Services (WIS) for an amount of \$220,398.

**ACTION:** Policy

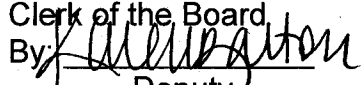
  
Dave Rogers, CIO 9/4/2019

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**MINUTES OF THE BOARD OF SUPERVISORS**

On motion of Supervisor Hewitt, seconded by Supervisor Perez and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Spiegel, Washington, Perez and Hewitt  
Nays: None  
Absent: None  
Date: September 24, 2019  
xc: RCIT

Kecia R. Harper  
Clerk of the Board  
By:   
Deputy

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,  
STATE OF CALIFORNIA**

<b>FINANCIAL DATA</b>	<b>Current Fiscal Year:</b>	<b>Next Fiscal Year:</b>	<b>Total Cost:</b>	<b>Ongoing Cost</b>
<b>COST</b>	\$ 220,398	\$ 0	\$ 220,398	\$ 0
<b>NET COUNTY COST</b>	\$ 0	\$ 0	\$ 0	\$ 0
<b>SOURCE OF FUNDS: RCIT: PSEC (45520) Budget -100%</b>			<b>Budget Adjustment: No</b>	
			<b>For Fiscal Year: 19/20</b>	

**C.E.O. RECOMMENDATION:** Approve

**BACKGROUND:**

**Summary**

The severe winter storms Southern California encountered earlier this year, caused extensive damage to the Santa Rosa Peak (SRP) radio site tower components (microwave dishes, radio antennas, transmission lines, and ice shields). Due to the damage that directly affected public safety communications, a determination was made that emergency repairs to the Santa Rosa Peak tower and components were required.

The Santa Rosa Peak site serves as one of the communication microwave hubs for the PSEC Radio System. In its damaged state, the site is unable to support the communication paths required for the PSEC Radio System operations. Currently the microwave traffic is being rerouted to maintain operations. This state is untenable since another failure will have significant negative impact on communications in areas east of Indio.

WIS will provide equipment and services to repair and replace the damaged antennas and damaged tower elements at the Santa Rosa Peak radio site thus alleviating risks for failures or interruptions to Public Safety Communications.

**Impact on Citizens and Businesses**

Public safety agencies in Riverside County, as well as City of Corona, City of Riverside, City of Banning, City of Murrieta Police Departments, and University of California, Riverside rely on the PSEC system to serve and protect the community. The PSEC system provides critical countywide communication for these agencies. This purchase will repair tower components at Santa Rosa Peak which is one of our most critical hub sites in our radio and microwave network. It provides connectivity to several other sites in the network. It is required that these sites remain operational to continue to provide the radio coverage necessary for these agencies to perform their public safety services.

**SUPPLEMENTAL:**

**Additional Fiscal Information**

This is a one-time cost funded 100% by RCIT: PSEC (45520) operating budget.

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<b>Description</b>	<b>Cost</b>
Cost for labor, project management, replacement equipment, labor, and equipment rental	\$ 209,188.50
Shipping costs	\$ 4,000.00
Performance and Payment Bond	\$ 7,209.50
<b>Project Total</b>	<b>\$ 220,398.00</b>

**Contract History and Price Reasonableness**


The emergency repairs needed at the Santa Rosa Peak radio site include replacing 9 communication antennas, tower elements, cabling and cable management systems. WIS is an approved vendor on the County Pre-qualification Contractor(s) list, who has historically provided competitive radio tower services for the County of Riverside for over a decade.

The pricing includes the utilization of heavy equipment and its transportation, as well as crane services needed during the extensive repair process. The equipment costs, and heavy equipment pricing accounts for two-thirds of the overall pricing.

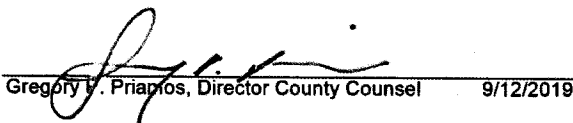
WIS extended the work day schedule for their crew in efforts to reduce costs associated with the crane rental, transportation, and daily deployment costs. WIS is certified in tower climbing safety with extensive experience with the PSEC radio tower sites for repairs, this allowed WIS to complete the repairs in a safe and prompt manner.

**ATTACHMENTS:**

1. Emergency Justification Form
2. Quote from Wireless Infrastructure Services

  
Teresa Summers, Director of Purchasing 9/10/2019

  
Venus Brambila 9/12/2019

  
Gregory V. Priaplos, Director County Counsel 9/12/2019

**EMERGENCY JUSTIFICATION**

This questionnaire has been designed to assist County of Riverside staff in providing information necessary in the processing of emergency requests for the purchase of goods, services, or equipment. Please complete and forward to Central Purchasing.

If more space is needed, please attach additional page(s).

Emergency procurement shall be defined as a sudden and/or unexpected occurrence that poses a clear and imminent danger, requiring immediate action to prevent or mitigate the loss of impairment of life, health, property, or essential public services. (Please attach itemized quote or invoice if available).

Agency/Department: RCIT/PSEC      Total Dollar Amount: \$220,398

Vendor Name: JTD Consulting

Vendor #: 0860

Date of Incident: April 2019      Location of Incident: Santa Rosa Peak

1. State the goods, services, or equipment which will mitigate the emergency situation: *Replacement antennas, ice shields, waveguide, accessories, steel and parts.*
  
2. State the reason for the emergency purchase by explaining what the emergency is and/or what caused the emergency situation: *Winter Storm damage to microwave dishes, radio antennas, transmission lines and ice shields.*
  
3. State the financial or operational damage/risk that will occur if needs are not satisfied immediately: *Currently the microwave traffic is marginal and re routed. Radio systems on damaged antennas have limited to no coverage. Public Safety Communications is crippled and in danger of a loss of communications.*
  
4. State why the needs were not or could not be anticipated, so that the goods/services could have been purchased following standard procedures: *The storm damage was unpredictable.*
  
5. State the reason and process used for selecting the vendor (Attach all quotes/proposals received, if applicable): *JTD Consulting aka WIS is an approved*

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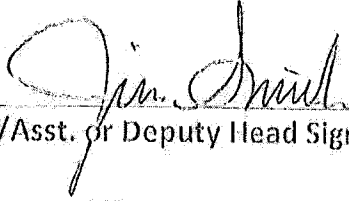
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*County Vendor who has historically provided Radio Tower Services for the County of Riverside for over a decade.*

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Jim Smith



Department/Asst. or Deputy Head Signature

Title:

CTO

Date:

6-17-19

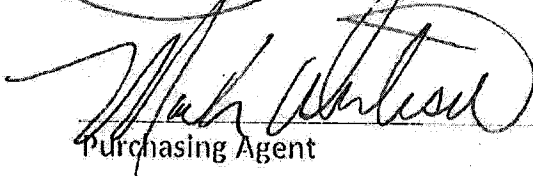


Purchasing Department Comments:

Approve

Approve with Condition/s

Disapprove



Purchasing Agent

7/5/19  
Date

20-026  
SSJ Approval #

You will need a Sole Source Justification (SSJ) control number for this emergency purchase. Only the Director of Purchasing, Assistant Director or Purchasing Manager can approve the SSJ control number.

## EMERGENCY JUSTIFICATION

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If more space is needed, please attach additional page(s).

### ATTACHMENT A

#### LIST OF CENTRAL PURCHASING STAFF WHO CAN VERBALLY APPROVE EMERGENCY PURCHASES

Please attempt to contact via the chain of command below:

Contact	Title	Email	Telephone
Teresa Summers	Director, Purchasing & Fleet Services	<a href="mailto:tsummers@rivco.org">tsummers@rivco.org</a>	Office: (951) 955-4928 Cell: (951) 204-2695
Mark Whitesell	Purchasing Manager	<a href="mailto:mwhitesell@rivco.org">mwhitesell@rivco.org</a>	Office: (951) 955-9675 Cell: (951) 901-5751
Dirk Buesing	Sr. Procurement Contract Specialist	<a href="mailto:dbuesing@rivco.org">dbuesing@rivco.org</a>	Office: (951) 955-4950 Cell: (951)
Scott Haddon	Sr. Procurement Contract Specialist	<a href="mailto:shaddon@rivco.org">shaddon@rivco.org</a>	Office: (951) 358-3957 Cell: (951) 232-9395
Ines Marks	Sr. Procurement Contract Specialist	<a href="mailto:imarks@rivco.org">imarks@rivco.org</a>	Office: (951) 955-4944 Cell: (95) 776-6819
Rick Hai	Sr. Procurement Contract Procurement	<a href="mailto:RHai@rivco.org">RHai@rivco.org</a>	Office: (951) 955-3618 Cell: (951) 776-7253

July 30, 2019

George Schrock  
RCIT  
7195 Alessandro Blvd.  
Riverside, CA 92506  
Office: 951-955-3062  
Cell: 951-323-6954  
[GSchrock@RivCo.org](mailto:GSchrock@RivCo.org)



**Subject: RCIT – Santa Rosa Peak Ice Damage Repair & Replacement Proposal-Rev. 1**

Mr Schrock,

Wireless Infrastructure Services is pleased to provide this proposal for your review.

**Scope of work-**

**Red Mountain Main:**

- De-install existing 8' ice shield, replace back horizontal pipe with new 3-1/2" OD pipe
- Re-install 8' ice shield, install chain tie backs
- Replace PAD8-59 antenna, align, sweep system

**Red Mountain Diversity:**

- Replace PAD6-59 antenna, align, sweep system

**Lake Riverside:**

- Pre-run new replacement run of E60 waveguide – support, ground
- De-install existing ice shield and supply/install new 8' ice shield, install chain tie backs
- Replace PAD8-65 antenna, align, cut over to new waveguide, sweep system
- De-install old waveguide

**Marion Ridge Main:**

- De-install existing ice shield, dead antenna, & mount both are on (mount bent over)
- Pre-run new replacement run of E60 waveguide – support, ground
- Install new pipe mount and add kickers back to tower leg
- Install new UA8-59 antenna, align, cut over to new waveguide, and sweep system
- De-install old waveguide
- Move traffic from diversity antenna to main
- Re-install existing ice shield, install chain tie backs

**Marion Ridge Diversity:**

- De-install existing ice shield, antenna, & mount both are on (mount bent over)
- Pre-run new replacement run of E60 waveguide – support, ground
- Install new pipe mount and new clam shells – plumb mount and add kickers back to tower leg
- Install new UA8-59 antenna, align, cut over to new waveguide, and sweep system
- De-install old waveguide
- Re-install existing ice shield, install chain tie backs

**Indio Main:**

- Replace DA8-107 antenna feed

**Indio Diversity:**

- Pre-run new replacement run of E105 waveguide, support, ground
- Replace SU6-107 feed, sweep system
- Cutover to new waveguide and de-install old waveguide

**Green RX antenna:**

- Straighten antenna mount bent out of plumb

**White TX antenna:**

- Pre-run new 7/8" coax, support, ground
- De-install existing LPA 70040 antenna



- Install new LPA 70040 antenna & ½” jumper
- Cut over to new TX line and sweep

Blue TX antenna:

- Pre-run new 7/8” coax, support, ground
- Cut over existing antenna to new TX line, install new ½” jumper, and sweep
- Clean site and properly dispose of any debris
- Provide photos of installation

Labor (1SUP x (25) 12 hr days x \$85/hr)	\$25,500.00
Labor (4 tower techs x (25) 12 hr days x \$75/hr)	\$90,000.00
Project Manager (10 hours x \$120/hr)	\$1,200.00
Replacement antennas, ice shields, waveguide, accessories, steel, etc	\$69,988.50
40 ton crane rental (10 days)	\$22,500.00
Shipping costs	\$4,000.00
Performance & Payment Bond	\$7,209.50

**Project total** **\$220,398.00**

**Qualifications, assumptions, and exclusions-**

- This proposal is based on contracted rates for labor and material mark-up
- This proposal is based on prevailing wages
- This proposal excludes troubleshooting, out of scope work, additional work, delays, and remobilization costs
- This proposal is based on access road being accessible by crane without improvements and under its own power
- This proposal includes performance and payment bond costs
- This proposal does not include weekend, night or Holiday scheduling and systems will incur outages. However, we will work closely with RCIT on a MOP/plan to reduce outages as much as possible

Wireless Infrastructure Services appreciates the opportunity to bid on this project and looks forward to working with you. Please contact me directly with any questions.

Best regards,

Brianna Vowles  
 Project Manager  
 Wireless Infrastructure Services  
 1837 California Avenue  
 Corona, CA 92881  
 (951) 371-4900 office  
 (951) 371-4950 fax  
 (951) 852-4585 mobile  
[Bvowles@jtd-wis.com](mailto:Bvowles@jtd-wis.com)