

**COUNTY OF RIVERSIDE PURCHASING AND FLEET SERVICES
PUBLIC WORKS (Projects Over \$25,000)**

Bid Submission Address:
Purchasing and Fleet Services
2980 Washington Street
Riverside, CA 92504-4647
Telephone: (951) 955-4937
Return bid to address above:

Request for Bids #PEARC-037

Bid Issue Date: 03/28/2018
Job Walk Date: 04/10/2018 9:30AM
Bid Closing Date: 04/18/2018
on or before 1:30 P.M. Pacific Time

PUBLIC WORKS

NOTICE INVITING BIDS

1. The **COUNTY OF RIVERSIDE**, herein called County, invites sealed bids for:
Microwave Dish Installation for the Sheriff's Department, Palm Desert 911 Dispatch Project

The Contractor shall provide all labor, materials, parts, equipment, tools, supervision, services, transportation, waste disposal, facilities and other required items necessary to complete the following work in strict accordance with (Attachment A, (noted on pages 19 through 25)) and the Contract Documents:

SITE: 73520 Fred Waring Drive, Palm Desert CA 92260

ESTIMATED PROJECT COST: \$160,000.00

2. **CONTRACT DOCUMENTS** - Each bid shall be in accordance with all the Contract Documents.
- a. **DRAWINGS:** There are no drawings applicable to this project and or made part of the Contract Documents:
 - b. **GENERAL CONDITIONS:** The General Conditions applicable to the work are included in this RFB as Exhibit B.
 - c. **PURCHASING WEBSITE:** Addenda, registration and other information related to the RFB are available at www.purchasing.co.riverside.ca.us
3. **LICENSE REQUIRED** - The following license is required for this project: C-7 Low Voltage and/or C-10 Electrical, and Motorola R-56 Certification and Tower Climbing Certification
4. Any contact with County personnel regarding this procurement, other than the Purchasing Procurement Contract Specialist identified in this RFB, may result in disqualification of your bid.
5. **TIMELINES** -

1. Release of Request for Bids:	<u>Date: March 28, 2018</u>
2. Mandatory Bidder Conference: Attendees more than five minutes late will not be allowed to attend. Bids will not be accepted from bidders that did not attend the mandatory bidder conference. <u>No Exceptions.</u>	<u>Date: April 10, 2018</u> <u>Time: 09:30 a.m.</u> Location: SITE 73520 Fred Waring Drive, Palm Desert CA (Meet at Dispatch Center Front Door) Cell#: (951) 850-0719 Joe Angelone, Sr. Procurement Contract Specialist
3. Deadline For Submission Of Questions: Email: Joeangelone@rivco.org It is the responsibility of the bidder to confirm transmission of correspondence.	<u>Date: April 11, 2018</u> <u>Time: No later than 10:00 a.m.</u> Must be in the form of an Email
4. Deadline For Bids:	<u>Date: April 18, 2018</u> on or before 1:30 PM Pacific Time

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6. **BID SUBMITTAL** - All bids must be submitted on the Bid Form ([pages 5 through 11](#)). The bid shall be delivered (no e-mail delivery) to County Purchasing and Fleet Services at the address stated below on or before 1:30 p.m. on the closing date. The RFB number, title, and closing date and time shall appear on both the envelope and the bid cover sheet. **Under no circumstances will a bid be accepted after the closing date and time.**
- a. **Awarded firm shall submit the additional requirements for this project:**
1. Current certificate – Motorola R-56
 2. Current certificate – Tower Climbing
 3. Current certificate-RFR Safety Awareness Training
 4. Project schedule
 5. Warranty documents
 6. Components & Method of Installation
 7. Manufacturer Certificates for materials & references (Attachment A, Section 17)
 8. Acord Form as proof of insurance as required in Attachment B, Section 20
- b. **NO EXCEPTIONS.**

BIDS SHALL BE DELIVERED TO:

**COUNTY OF RIVERSIDE
PURCHASING AND FLEET SERVICES
2980 Washington Street
Riverside, CA 92504-4947
Attn: Joe Angelone / RFB # PEARC-037**

7. **UNIFORM PUBLIC CONSTRUCTION COST ACCOUNTING ACT** - The County has adopted the Uniform Public Construction Cost Accounting Act (Public Contract Code Section 22000 et seq.) pursuant to County Ordinance No. 757. The County through its Purchasing Agent may bid and award a contract pursuant to the procedures stated in the Act. The Purchasing Agent's current maximum authority under the Act is \$175,000 for a single contract. All applicable public works requirements still apply.
8. **PREVAILING WAGES AND LABOR CODE REQUIREMENTS** – This is a public works project subject to compliance monitoring and enforcement by the California Department of Industrial Relations. The awarded bidder shall comply with all applicable provisions of the California State Labor Code regarding prevailing wages, Department of Industrial Relations Division of Apprenticeship Standards Labor and other requirements, including but not limited to Labor Code Sections 1771.4, 1773.1, 1774, 1775 and 1776.

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County Purchasing and Fleet Services has obtained the most recent determination of general prevailing rates of per diem wages applicable to the work, and for holiday and overtime work, including employer payments for health and welfare, pension, vacation, and similar purposes; and this will be made available to any bidder upon request. This information can also be obtained at the California State Department of Industrial Relations, 464 West Fourth St., San Bernardino.

The awarded bidder shall post job site notices as prescribed by regulation. Contractor or subcontractor shall furnish records specified in Labor Code Section 1776 to the Labor Commissioner.

Pursuant to Labor Code Section 1771.1, any contractor submitting a bid, or subcontractor listed on the Bid Form, must be currently registered with the Department of Industrial Relations and qualified to perform public work pursuant to Labor Code Section 1725.5. No contractor or subcontractor will be awarded without proof of current D.I.R. registration.

9. The awarded bidder must hold the required California license, in good standing with the Contractor State License Board, at the time of submitting its bid and continuously thereafter until project completion. A subcontractor may possess the required license only if allowed by applicable law. Licensure statements are made under penalty of perjury.
10. The awarded bidder will be required to furnish performance and payment bonds and insurance documents in accordance with the requirements stated in this RFB.

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INSTRUCTIONS TO BIDDERS

1. **CONTRACTOR REGISTRATION** – The awarded bidder shall register all of its current information with the County’s online database at www.purchasing.co.riverside.ca.us, including W-9 and IRS 147C forms; or update its information if already registered. It is suggested that all bidders register in the County database so their information will be available for future consideration.
2. **PRICES/NOTATIONS** - All prices/notations must be typewritten or written in ink. No erasures permitted. Mistakes shall be crossed out, corrections made adjacent and initialed by person signing document. Each item shall be bid separately. All signatures must be by an authorized representative of bidder.
3. **PRICING/TERMS/TAX** - All pricing shall be bid F.O.B. destination, including applicable tax, permits, and licenses. The County pays California sales tax and is exempt from Federal excise tax. The Contractor shall pay all taxes related to the work. In the event of an extension error, the unit price shall prevail.
4. **ADDENDA TO RFB** - The County reserves the right to issue such addenda to the RFB as it may desire at any time prior to the time for receiving bids. The number and date of each addendum shall be listed on each bid in the space provided.
5. **COUNTY RESERVATION OF RIGHTS** - The County reserves the right to reject any or all bids, to waive any discrepancy, technicality or informalities in a bid or in the bidding process, and to make the award in any manner determined by the County to be most advantageous to the County.
6. **WITHDRAWAL OF BID** - A bid may be withdrawn only prior to the bid closing date and time. No bidder may withdraw or modify its bid for a period of sixty (60) calendar days after the bid closing date.
7. **INTERPRETATION OF THE BID DOCUMENTS** - Discrepancies in and omissions from any of the Contract Documents, questions as to their meaning or uncertainties that might cause disputes, shall immediately be brought to the attention of the County by the bidder. Any interpretation of the terms of the Contract Documents will be made only by written addenda issued by the County and available at www.purchasing.co.riverside.ca.us. The County will not be responsible for any other explanations or interpretations.
8. **ADDITIONAL INFORMATION** – Prior to award, the County reserves the right to require additional information from a bidder, including but not limited to information regarding the bidder’s financial responsibility or other information the County determines is necessary to ascertain whether the bid is in fact the lowest responsible and responsive bid submitted
9. **AWARD OF CONTRACT** - The bid shall be awarded upon issuance of a County purchase order, which shall include the Contract Documents by reference or attachment.

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BID FORM

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The bidder, having carefully examined the proposed site and all of the Contract Documents, proposes and agrees to furnish all tools, equipment, services, apparatus, facilities, transportation, labor and materials necessary to complete the project as outlined in this RFB in strict conformity with all of the Contract Documents.

The bidder acknowledges receipt of the following addenda:

Addendum No. _____	Date: _____
Addendum No. _____	Date: _____
Addendum No. _____	Date: _____

BID SUMMARY

Item Description	Total Amount
1. Roof-Top Microwave Dish Installation	\$ _____
2. Roof-Top Microwave Dish Installation Grounding	\$ _____
3. Wave Guide Installation (Palm Desert Sheriff Dispatch Station site)	\$ _____
4. Equipment Room Installation (Palm Desert Sheriff Dispatch Station site)	\$ _____
5. Tower Dish Installation	\$ _____
6. Wave Guide Installation (Indio Hill site)	\$ _____
7. Equipment Room Installation (Indio Hill site)	\$ _____
8. Performance Verification & Acceptance Testing	\$ _____
9. Rental Equipment	\$ _____
10. Labor	\$ _____
11. Materials	\$ _____
12. Additional Costs	\$ _____

BASE BID

The undersigned agrees to perform all work required for this project for the sum of: \$ _____
 (List sum of items 1 through 12 as shown)

Provide your firms cost for options.

<u>Option 1 Cost:</u> Dog house (roof hood entry port)	\$ _____
<u>Option 2 Cost:</u> Installation of a 4-inch sweep	\$ _____

Award is based on Base bid.

These prices include all applicable taxes, permits, licenses, insurance and bond costs, and all other costs incidental or related to the work. County project managers will choose the option best suited to the County and add that amount to the base bid to determine lowest responsive bidder.

The following percentage information must also be provided for the Base Bid (though it will not be used in awarding the contract):

Labor: _____% Materials: _____% Other: _____% All three shall total 100%.

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PAYMENT TERMS

Check one:

_____ Lump sum payment at project completion or _____ Progress payments (as stated in General Conditions)

If prompt payment discount offered (for example, 1% Net 15) please describe: _____

LIQUIDATED DAMAGES - It is agreed that time is of the essence for completion of this work. Therefore, the parties agree the awarded bidder (Contractor) shall pay to the County, as fixed and liquidated damages, and not as penalty, a dollar sum in the amount of **\$0.00** per day for each calendar day beyond the allowed time stated in the Contract Documents after which the work is completed.

TIME FOR COMPLETION - The work shall be commenced on a date to be specified in a written order from the County and shall be completed within **thirty (30) days** following the date specified in County's written order.

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BID FORM
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DESIGNATION OF SUBCONTRACTORS

In compliance with Section 4104 of the California Public Contract Code, the following is a complete list of each subcontractor who will perform work or labor or render service in or about the project in the amount in excess of ½ of 1% of the total bid.

<u>PORTION OF THE WORK</u>	<u>SUBCONTRACTOR</u>	<u>LICENSE AND D.I.R. NUMBERS</u>	<u>% AMOUNT</u>

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AWARD OF CONTRACT

The bidder understands that a contract is formed upon the acceptance of its bid by the County. The bidder agrees it will promptly execute and deliver to County the Agreement together with the required Payment and Performance Bonds and insurance documents.

BID GUARANTEE

The enclosed certified or cashier's check or bid bond on the provided form, made payable to the County in the amount of ten percent (10%) of the total bid, is hereby given as a guarantee that the bidder will execute and deliver the Agreement and required bonds if awarded the contract. In the event that the bidder fails or refuses to execute and deliver said documents, such check or bond is to be charged with the costs of the damages experienced by the County as a result of such failure or refusal.

Name of Bidder:

Type of Organization:

Signature:

Name and Title:

Address of Bidder:

Telephone No.:

Email:

Contractor's License No.:

Classification:

Expires:

DIR Registration No.:

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**TO BE SUBMITTED WITH BID
NON-COLLUSION DECLARATION**

(Public Contract Code Section 7106)

The undersigned declares:

I am the _____ of _____, the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder.

All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted its bid price of any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____ [date], at _____ [city], _____ [State].

[Signature of Declarant]

[Printed Name of Person Signing]

[Name of Bidder]

[Office or Title]

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BID BOND
Page 1 of 2

(Public Work – Public Contract Code Section 20129 (a))

WHEREAS, The undersigned _____ (“Principal”) is herewith submitting to the County of Riverside (“County”) a Bid dated _____ 2018, in the amount of _____ (\$ _____)

for the award by County to Principal of a contract (“Contract”) for the following: Microwave Dish Installation at Palm Desert 911 Dispatch.

WHEREAS, Principal is obligated as a condition of said Bid to submit security pursuant to Public Contract Code Section 20129 (a) in the amount of ten percent (10%) of the Bid Amount, which security may be in the form of a Bid Bond issued by an admitted surety insurer pursuant to Code of Civil Procedure Section 995.120 (“Admitted Surety”);

NOW THEREFORE, the Principal and _____ (“Surety”), an Admitted Surety, are held and firmly bound unto the County in the penal sum of _____ (\$ _____) for the payment of which sum in lawful money of the United States, well and truly to be made, we, Principal and Surety, bind ourselves, our executors, administrators, successors, heirs and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that if Principal is awarded the Contract upon such Bid and thereafter within the period of time specified in County’s bidding documents governing the bidding process applicable to such Bid (“Bidding Documents”) enters into the Contract with County on the terms and conditions required by the Bidding Documents and furnishes the performance and payment bonds, evidence of insurance and other documents that Principal is required to submit under the terms of the Bidding Documents, then this obligation shall be null and void; otherwise, it shall remain in full force and effect and the sum guaranteed by this bond shall, at the option of County, be forfeited to County to pay all losses and damages suffered by County as a result thereof and permitted by applicable law, including, without limitation, the difference between the Bid Amount and amount for which the County may legally contract with another party to perform the Work (if such latter amount be greater than the Bid Amount), costs of publication, and all other losses and damages suffered by County (including, without limitation, those associated with delay to the Project); provided, however, that Surety’s liability shall not exceed the penal amount of this bond.

Surety, for value received, hereby agrees that no change, extension of time, alteration or addition to the terms of the Contract or the Bidding Documents, or to the work to be performed thereunder, nor any withdrawal of the Bid in a manner not permitted by the requirements of the Bidding Documents shall in any way impair or affect Surety’s obligation under this bond, and Surety does hereby waive notice of any such changes, extensions of time, alterations or additions.

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BID BOND
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In the event any legal proceeding or arbitration is brought upon this bond by County and judgment or award is entered in favor of County as the prevailing party, Surety shall pay all costs and attorney's fees incurred by the County.

IN WITNESS WHEREOF the undersigned parties have executed this instrument under their several seals this day of _____, 20___, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Affix Seal if Corporation

(Firm Name – Principal)

(Business Address)

By

(Original Signature)

(Title)

(Corporation Name – Surety)

Affix Corporate Seal

(Business Address)

By

(Original Signature)
ATTORNEY-IN-FACT

Note: Notary acknowledgment for Surety's signature and Surety's Power of Attorney must be included or attached

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AGREEMENT

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THIS AGREEMENT, entered into this _____ day of _____, 2018, by and between _____, hereinafter called the "Contractor," and the County of Riverside, hereinafter called "County."

The parties mutually agree as follows:

CONTRACT DOCUMENTS: The complete contract includes all the Contract Documents which are intended to be complimentary.

The Contract Documents include: Notice Inviting Bids; Instructions to Bidders; Bid Form; the Request for Bids ("RFB"), including Appendix A, Appendix B and Document B, any addenda or other documents attached to or incorporated into the RFB; this Agreement; all project bonds; all applicable plans, specifications and drawings; and approved change orders.

STATEMENT OF WORK: The Contractor agrees to furnish all labor, materials, parts, equipment, tools, supervision, services, transportation, waste disposal, facilities and other required items necessary to complete Microwave Dish Installation at Sheriff's Palm Desert 911 Dispatch, in strict accordance with all of the Contract Documents.

TIME FOR COMPLETION: The work shall be commenced on a date to be specified in a written order from the County and shall be completed within **thirty (30) days** following the date specified in County's written order.

COMPENSATION TO BE PAID TO CONTRACTOR: The County agrees to pay and the Contractor agrees to accept in full consideration for the performance of all the work the sum of;

\$(_____).

Pursuant to Labor Code Section 1861, the Contractor gives the following certification: "I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of work of this contract."

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AGREEMENT FORM
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Contractor's legal type of organization: _____

List names of all persons who have authority to bind the Contractor:

AGREED:

Firm Name:			
Address:			
Contractor's License No.		Expires:	
DIR Registration No:			
Signature:	Date:		
Name and Title:			

COUNTY OF RIVERSIDE

Signature: _____

Name and Title: _____

Date: _____

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PAYMENT BOND

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(Public Work - Civil Code Sections 9550 et seq.)

WHEREAS, the County of Riverside ("County") on _____, 2018, has awarded Construction Contract Number: BID #PEARC-037 ("Contract") to the undersigned _____, as Principal ("Principal") to perform the work ("Work") for the following project; Microwave Dish Installation at Sheriff's Palm Desert 911 Dispatch.

WHEREAS, said Principal is required by the Contract and/or by Division 3, Part IV, Title XV, Chapter 7 (commencing at Section 9550) of the California Civil Code to furnish a payment bond in connection with the Contract;

NOW THEREFORE, we, the Principal and _____ ("Surety"), an admitted surety insurer pursuant to Code of Civil Procedure, Section 995.120, are held and firmly bound unto County in the penal sum of _____ Dollars (\$_____), this amount being not less than one hundred percent (100%) of the total sum payable by County under the Contract at the time the Contract is awarded by County to the Principal, lawful money of the United States of America, for the payment of which sum well and truly to be made, we, Principal and Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if Principal, its heirs, executors, administrators, successors, or assigns approved by County, or its subcontractors, of any contracting tier, shall fail to pay any person or persons named in California Civil Code, Section 9554, then Surety will pay for the same, in or to an amount not exceeding the penal amount hereinabove set forth, and also will pay to the prevailing party if suit is brought upon this bond, reasonable attorney's fees as provided in California Civil Code, Section 9564.

Surety, for value received, agrees that no change, extension of time, alteration or addition to the terms of the Contract, or to the Work to be performed thereunder, nor any rescission or attempted rescission of the Contract or this bond, nor any conditions precedent or subsequent in the bond or Contract attempting to limit the right of recovery of any claimant otherwise entitled to recover under the Contract or this bond shall in any way impair or affect Surety's obligation under this bond, and Surety does hereby waive notice of any such changes, extensions of time, alterations or additions.

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Surety is not released from liability to those for whose benefit this bond has been given, by reason of any breach of the Contract by County or Principal.

Surety's obligations hereunder are independent of the obligations of any other surety for the performance of the Contract, and suit may be brought against Surety and such other sureties, joint and severally, or against any one or more of them or against less than all of them, without impairing County's rights against the others.

Affix Seal if Corporation

(Firm Name – Principal)

(Business Address)

By

(Original Signature)

(Title)

(Corporation Name – Surety)

Affix Corporate Seal

(Business Address)

By

(Signature – Attached Notary's Acknowledgment)

ATTORNEY-IN-FACT
(Title-Attach Power of Attorney)

Note: Notary acknowledgment of signatures of Bidder and Surety, and Surety's Power of Attorney, must be included or attached.

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Riverside, CA 92504-4647
Telephone: (951) 955-4937
Return bid to address above:

Request for Bids #PEARC-037

Bid Issue Date: 03/28/2018
Job Walk Date: 04/10/2018 9:30AM
Bid Closing Date: 04/18/2018
on or before 1:30 P.M. Pacific Time

PERFORMANCE BOND

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(Public Work – Public Contract Code Section 20129 (b))

WHEREAS, the County of Riverside ("County") on _____, 2018, has awarded Construction Contract Number: Bid #PEARC-037 ("Contract") to the undersigned _____, as Principal ("Principal") to perform the work ("Work") for the following project; Microwave Dish Installation at Sheriff's Palm Desert 911 Dispatch, which Contract is by this reference hereby incorporated herein and made a part hereof;

WHEREAS, said Principal is required by the Contract and/or by California Public Contract Code, Section 20129 (b) to furnish a performance bond for the faithful performance of the Contract;

NOW THEREFORE, we, the Principal and _____ ("Surety"), an admitted surety insurer pursuant to Code of Civil Procedure, Section 995.120, are held and firmly bound unto County in the penal sum of _____ Dollars (\$_____), this amount being not less than one hundred percent (100%) of the total sum payable by County under the Contract at the time the Contract is awarded by County to the Principal, lawful money of the United States of America, for the payment of which sum well and truly to be made, we, Principal and Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if Principal, its heirs, executors, administrators, successors or assigns approved by County, shall in all things stand to and abide by and well and truly keep and perform all the undertakings, terms, covenants, conditions and agreements in the Contract, including, without limitation, all obligations during the original term and any extensions thereof as may be granted by County, with or without notice to Surety thereof (including, without limitation, the obligation for Principal to pay liquidated damages), all obligations during the period of any warranties and guarantees required under the Contract and all other obligations otherwise arising under the terms of the Contract (such as, but not limited to, obligations of indemnification), all within the time and in the manner therein designated in all respects according to their true intent and meaning, then this obligation shall become null and void; otherwise, it shall be and remain in full force and effect.

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Whenever Principal shall be, and is declared by County to be, in default under the Contract, the Surety shall promptly either remedy the default, or, if the Contract is terminated by County or the Principal's performance of the Work is discontinued, Surety shall promptly complete the Contract through its agents or independent contractors, subject to acceptance of such agents or independent contractors by County as hereinafter set forth, in accordance with its terms and conditions and to pay and perform all obligations of Principal under the Contract (including, without limitation, all obligations with respect to payment of liquidated damages) less the "Balance of the Contract Price" (as hereinafter defined); subject to the penal amount of this bond as set forth above. The term "Balance of the Contract Price," as used in this paragraph, shall mean the total amount payable to Principal by County under the Contract and any modifications thereto, less the amount previously paid by County to the Principal and less amounts that County is authorized to withhold under the terms of the Contract.

If County determines that completion of the Contract by Surety or its agents or independent contractors must be performed by a lowest responsible bidder selected pursuant to a competitive bidding process, then Surety shall comply with such processes in accordance with the requirements of County and applicable laws. Unless otherwise approved by County, in the exercise of its sole and absolute discretion, Surety shall not utilize Principal in completing performance of the Work.

No right of action shall accrue on this bond to or for the use of any person or entity other than County or its successors or assigns.

In the event any legal proceeding or arbitration is brought upon this bond by County and judgment or award is entered in favor of County as the prevailing party, Surety shall pay all costs and attorney's fees incurred by the County.

Correspondence or claims relating to this bond shall be sent to Surety at the address set forth below.

Surety, for value received, agrees that no change, extension of time, alteration or addition to the terms of the Contract, or to the work to be performed thereunder, shall in any way impair or affect Surety's obligation under this bond, and Surety does hereby waive notice of any such changes, extensions of time, alterations or additions.

Surety's obligations hereunder are independent of the obligations of any other surety for the performance of the Contract, and suit may be brought against Surety and such other sureties, joint and severally, or against any one or more of them or against less than all of them, without impairing County's rights against the others.

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Affix Seal if Corporation

(Firm Name – Principal)

(Business Address)

By _____
(Original Signature)

(Title)

(Corporation Name – Surety)

Affix Corporate Seal

(Business Address)

By _____
(Signature – Attached Notary’s Acknowledgment)

ATTORNEY-IN-FACT
(Title-Attach Power of Attorney)

Note: Notary acknowledgment of signatures of Bidder and Surety, and Surety’s Power of Attorney, must be included or attached.

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**ATTACHMENT A
Microwave Dish Installation
73520 Fred Waring Drive, Palm Desert CA 92260**

1. DOCUMENTS INCLUDED IN THIS RFB

- 1.1 Appendix A: Microwave System Path Survey Report (Nokia)
- 1.2 Appendix B: Equipment List
- 1.3 Document B: County of Riverside Site Installation Standards

(Each noted as separate documents on the County Purchasing webpage
www.purchasing.co.riverside.ca.us)

2. **PROJECT OVERVIEW:** The County of Riverside is soliciting proposals from firms to build and deploy a microwave network connecting the Riverside Sheriff 9-1-1 Coachella Valley Dispatch Department to the County of Riverside (Indio Hill PSEC Radio Site). The services include planning, design, engineering, technical support and installation. Riverside County seeks to procure a microwave network hop that will comprise of a cost-effective platform that interconnects the two specified locations and upgrade the existing TSM8000 platform to monitor the new equipment.

3. Feasibility Path Studies

- 3.1 The County of Riverside has hired Nokia to performed path studies and path designs which were based upon a formal field survey and data gathering.
- 3.2 The County of Riverside shall provide the vendor with the complete copy of the reports provided by Nokia (Appendix A and B).

4. Installation Requirements (Coachella Valley Dispatch Center)

5. Roof-Top Microwave Dish Installation

- 5.1 Vendor shall verify listed equipment in the Nokia report (Appendix B).
- 5.2 Vendor shall furnish and install all necessary components listed in the Nokia report once verified at 73520 Fred Waring Drive, Palm Desert, CA, 92260.
- 5.3 Vendor shall furnish and install on a new roof mount for the MW dish and coordinate method of installation with Riverside County assigned project management. The mount shall be secured and installed in accordance to the TIA 222G standard and shall be rated to withstand 120MPH wind speed.
- 5.4 Vendor shall remove the PTP dish to install the new mount and dish and deliver all PTP equipment to 7195 Alessandro care of the project PSEC Radio Engineer.
- 5.5 Vendor shall align dish per the Nokia report specified requirements.
- 5.6 Vendor shall comply with the installation guidelines set forth in the Motorola R-56 Standards and the County of Riverside Installation Guidelines (See Document B Page 12 of 17 and 13 of 17). All indoor cabling shall be plenum.

6. Roof-Top Microwave Dish Installation Grounding

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- 6.1 Vendor shall furnish and install (3) tinned copper bus-bars, (1) one on the dish mount, (1) on the existing parapet, and (1) at the Dog House (Roof Hood Entry).
- 6.2 Vendor shall furnish and install a Class I tinned copper conductor from the tinned copper bus-bar mounted on the parapet to a copper ground rod (10ft 3/4") with test well assembly located in specified area. Down conductor shall be installed not to exceed its minimum bend radius. Down conductor shall be installed in 1" PVC conduit and painted to match the building. Vendor shall install a Class I tinned copper conductor from the non-penetrating roof mount tinned bus-bar to the new tinned bus-bar located at the parapet. Vendor shall install a Class I tinned copper conductor from the new tinned bus-bar located at the parapet to Dog House (Roof Hood Entry) tinned copper bus-bar. Vendor shall install a 3/0 AWG tinned copper conductor from the tinned Copper bus-bar to the existing main copper bus-bar located in the computer room. All conductors shall be installed on Dura-Blocks and supported every 3ft.
- 6.3 All grounding shall comply and be installed per the Motorola R-56 standard, NFPA 780, LPI 175, UL96A and the County of Riverside Installation Guidelines (See Document B Page 12 of 17 and 13 of 17).
- 6.4 Class I tinned copper conductors shall be used outdoors for buildings not exceeding 75ft.
- 6.5 Class II tinned copper conductors shall be used outdoors for buildings exceeding 75ft.
- 6.6 Size of tinned bus-bars shall be coordinated with the County of Riverside.

7. Wave Guide Installation

- 7.1 Vendor shall size, furnish, and install wave-guide/and or a complete antenna system in accordance to the Nokia report.
- 7.2 Vendor shall install a new doghouse (Roof Hood Entry Kit) in order to accommodate the pathway and bend radius requirement of the wave guide. Dog house (Roof Hood Entry Kit) shall be large enough to accommodate new waveguide as part of this scope, (10)1/2" transmissions lines, (5) 7/8" transmission lines, and (2) 10.0-11.7 GHz E105 type waveguide.
- 7.3 Vendor shall furnish and install cable tray the entire length of the required pathway for the wave-guide installation per R56 standard. Cable tray w/cover shall be installed on Dura-Blocks, and supported every 3ft.
- 7.4 The County of Riverside requires that the wave guide installed, needs to transition to flexible wave guide after entering the Radio Communications Room and before connecting to the equipment (transition point to be determined at site walk). In plenum air handling spaces, wave guide must either be plenum rated if applicable, or must run through conduit to its destination. It shall be the responsibility of the vendor to size, design and install conduit where needed.
- 7.5 All grounding and wave guide installation shall comply and be installed per the Motorola R-56 standard, NFPA 780, LPI 175, UL96A and the County of Riverside Installation Guidelines (See Document B Page 12 of 17/13 of 17).
- 7.6 Vendor shall furnish and install ground kits per manufacture requirements and attach to wave guide in the following locations (1) tinned bus-bar located at the non-penetrating roof mount, (2) new bus-bar before entry and (3) within entry not more than 2ft. Size of conductor will be determined by its length (See Grounding Conductor Sizing Chart Below).
- 7.7 Vendor shall furnish and install waveguide supports upon entry per manufacture requirements every 3ft.
- 7.8 Vendor shall sweep the waveguide run and provide the results to the PSEC Radio Engineer as part of the documentation.

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7.9	Conductor length in linear m (ft)	Conductor size in mm² csa (AWG / MCM)
	Less than 10 (33)	33.62 (2)
	10 – 13 (34 – 41)	42.41 (1)
	13 – 16 (42 – 52)	53.49 (1/0)
	16 – 20 (53 – 66)	67.43 (2/0)
	20 – 25 (67 – 84)	85.01 (3/0) 1
	25 – 32 (85 – 105)	107.26 (4/0)
	32 – 38 (106 – 125)	126.70 (250 MCM)
	38 – 53 (126 – 175)	177.39 (350 MCM)
	53 – 76 (176 – 250)	253.35 (500 MCM)
	Greater than 114 (251 – 375)	380.13 (750 MCM)

Maximum wire size required by this standard. The remaining five wire sizes shown are recommendations for the given respective lengths.

8. Equipment Room Installation

- 8.1** PSEC shall furnish a designated Microwave Rack at CVD. Vendor shall furnish all material needed to ground the rack utilizing a #2 AWG insulated copper conductor and attached to existing bus conductor utilizing C-taps with a clear cover. Vendor shall install and ground rack per the County of Riverside Installation Guidelines (See Document B) including an isolation pad and seismic bracing.
- 8.2** The County of Riverside shall be present to assist installing the radio, rectifier, and batteries.
- 8.3** The County of Riverside shall be present to assist programming the radio.
- 8.4** Vendor shall install and connect dehydrator to wave guide per manufacture requirements. Location and dehydrator will be provided by the Vendor. Vendor will install a 5/8" x 24" x 24" plywood board to the wall where the dehydrator will be installed before mounting the shelf for the dehydrator. This plywood will be painted to match the interior of the building. The purpose of this plywood is to insure adequate mounting to the wall for the dehydrator.
- 8.5** Vendor shall coordinate connection to the radio with the County of Riverside.
- 8.6** Vendor shall furnish and install a Rack Ground Bus bar for the County of Riverside provided rack and ground to existing bus conductor utilizing a #2 AWG insulated copper conductor.
- 8.7** Vendor shall furnish and install waveguide supports upon entry per manufacture requirements every 3ft.

9. Indio Hill PSEC Radio Site

- 9.1** Vendor shall verify listed equipment in the Nokia report.
- 9.2** Vendor shall furnish and install all necessary components listed in the Nokia report once verified at the County of Riverside Indio Hill PSEC Radio Site located at 9.0Km N in the city of Indio Lat (NAD83): 33-47-55.4N Long (NAD83): 116-13-19.2W.

10. Tower Dish Installation

- 10.1** Vendor shall size, furnish, and install a microwave dish in accordance to the Nokia report (See Appendix A and B).
- 10.2** Vendor shall install the microwave dish in accordance to the County of Riverside Microwave Dish installation guidelines (See Document B 12 of 17/13 of 17).

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- 10.3 To ensure safety and sound engineering practices, before installing any mast, dish and support structure, tower inspections and structure analysis need to be carried out by the vendor. Vendors engineer is required to perform the structural analysis after the award of the project. Prior to the installation of the dish support, the structure must be inspected by a structural engineer and certify that the structure will support and not be adversely affected by the proposed mast, dish, support and all associated equipment.
- 10.4 Vendor shall install in accordance to the TIA 222G standard and shall be rated to withstand 120MPH wind speed.
- 10.5 Vendor shall remove the PTP dish to install the new one and deliver all PTP equipment to the project PSEC Radio Engineer.

11. Wave Guide Installation

- 11.1 Vendor shall size, furnish, and install wave-guide/and or a complete antenna system in accordance to the Nokia report.
- 11.2 Vendor shall furnish and install ground kits per manufacture requirements attach to wave guide in the following locations (1) within 2ft of the dish and connect to the tower (2) at TGB located at the bottom of the tower (3) at the EGB before entry and (4) at the TMGB within 2ft of entry.
- 11.3 All grounding and wave guide installation shall comply and be installed per the Motorola R-56 standard, NFPA 780, LPI 175,UL96A and the County of Riverside Installation Guidelines (See Document B Page 12 of 17 and 13 of 17).
- 11.4 The County of Riverside requires that the wave guide installed, needs to transition to flexible wave guide when entering the Radio Communications Room and connecting to equipment.
- 11.5 Vendor shall furnish and install waveguide supports upon entry per manufacture requirements and emulate the existing installation.
- 11.6 Vendor shall sweep the waveguide run and provide the results to the PSEC Radio Engineer as part of the documentation.

12. Radio Equipment Room Installation

- 12.1 The County of Riverside shall designate the location of the Microwave Rack for equipment installation.
- 12.2 The Vendor shall furnish a new Microwave Rack at Indio Hill. Vendor shall furnish all material needed to ground the rack utilizing a #2 AWG insulated copper conductor and attached to existing bus conductor utilizing C-taps with a clear cover. Vendor shall install and ground rack per the County of Riverside Installation Guidelines (See Document B).
- 12.3 The Vendor shall furnish and install the indoor radio, and hook up to existing rectifier and batteries with county assistance.
- 12.4 The County of Riverside shall assist in programming the radio.
- 12.5 Vendor shall connect existing dehydrator to wave guide per manufacture requirements. Location to be provided by the County of Riverside.
- 12.6 Vendor shall furnish and install waveguide supports upon entry per manufacture requirements and emulate the existing installation.

13. Performance Verification & Acceptance Testing

- 13.1 Vendor shall align dishes in accordance to the Nokia report and coordinate alignment with the County of Riverside.

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- 13.2 Vendor shall perform their own calculations and studies, including field verification as required achieving path reliability and system performance objectives specified in the Nokia report.
- 13.3 Vendor shall meet all RSL requirements specified in the Nokia report.
- 13.4 Vendor shall coordinate all testing with the County of Riverside.
- 13.5 Once all system components have been installed, the vendor will conduct a formal site acceptance test. The County of Riverside in conjunction with the vendor shall validate that all testing parameters have been met prior to acceptance.

14. Final Acceptance

- 14.1 Final System Acceptance occurs when all of the following items have completed:
 - a. Installation, test and turn-up of equipment is complete. County of Riverside microwave group will witness the turn up/test the path the same day that the dish alignment takes place and;
 - b. All punch list items have been completed including a 24 hour BER test.
 - c. Vendor shall provide or make adequate arrangements for support onsite for the entire warranty period in support of field equipment installed as part of this quote.

15. Project Schedule

- 15.1 Vendor shall commence work within 7 days of the receipt of Notice to Proceed (NTP). Vendor shall provide extensions or modification to the schedule in writing and submit to the County of Riverside for approval.
- 15.2 Vendor shall provide a tentative project schedule and Gantt Chart Including the minimum tasks below:
 - a. Contract Signing/Notice Proceed
 - b. Completion of system design review
 - c. Structure Analysis
 - d. System staging
 - e. Completion of infrastructure installation at each end
 - f. Dish Installation
 - g. Path alignment
 - h. Testing
 - i. Completion
 - j. Acceptance
- 15.3 Vendor shall provide a detailed project schedule as part of each proposal. The project schedule will clearly identify tasks to be performed by both the County of Riverside and the vendor.

16. Submittals

- 16.1 Submittal Requirements with Bid Response:
- 16.2 Warranty Documents:
 - a. Submit for all manufactured Components specified in this Section.
 - b. Submit Contractor's System Warranty.
 - c. Submit Manufacture's Extended Warranty
- 16.3 Components and Method of Installation:
 - a. Dishes

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- b. Wave Guide
- c. Tower Supports
- d. Non-Penetrating Roof Mount/Pad
- e. Dura-Blocks
- f. Bus-Bars
- g. Grounding Conductors
- h. Path Alignment Testing Procedure
- i. Project Schedule
- j. Wave Guide Supports
- k. Wave Guide Ground Kits
- l. Dog house (Roof Hood Entry)
- m. Ground Rod
- n. Test Well

16.4 Submittal Requirements in the form of a close out package. Post Award (Required for Acceptance):

- a. As-Built drawings (Update County Provided AutoCAD)
- b. Test Reports, sweeps etc.
- c. Structure Analysis Report

16.5 Warranty Documents:

- a. Submit for all manufactured components specified in this section
- b. Submit Contractor's System Warranty

16.6 Warranty shall begin on final acceptance and sign off from the County Communications engineer and the County of Riverside PSEC Representative.

17. Qualification / Certification Requirements

17.1 Qualifications: Contractor and/or Sub-Contractor shall have a minimum of 5 years full time experience executing work of similar scope and complexity. (Provide at least 2 references)

17.2 Certifications:

- a. Contractor or Subcontractor shall provide manufacture certification that their personnel have been trained on the components being installed (See Safety Section of the County of Riverside Installation Standards. Page 2 of 17)
- b. Active Components: Contractor or Subcontractor shall provide manufacture certification that their personnel have been trained on the components being installed.
- c. Motorola R-56 Installation Standard: Contractor or Sub Contractor shall provide certification that their personnel have been trained and certified.

18 NOTES:

18.1. Certified Payroll is required on this project. See Form 116-222 General Conditions-Public Works, Over \$25k downloaded on the County of Riverside Purchasing webpage at www.purchasing.co.riverside.ca.us.

18.2. Contractor shall comply with all Federal, State and Local, rules and regulations that in any manner affect the work. Special attention is called, but not limited to, the Local environmental

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ordinances. Ignorance on the part of the bidder will in no way relieve him/her from responsibility of compliance with all said laws, ordinances, rules and regulations.

- 18.3.** This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. Pursuant to Labor Code section 1771.1, any contractor bidding, or subcontractor to be listed on a bid proposal subject to Public Contract Code section 4104, must be currently registered with the Department of Industrial Relations, pursuant to Labor Code Section 1725.5. No contractor or subcontractor may be awarded without proof of current registration, to perform public works.

19 QUALITY ASSURANCE:

- 19.1.** The Contractor shall use an adequate number of skilled workmen who are thoroughly trained and experienced in the necessary craft and who are completely familiar with the specified requirements and the methods needed for proper performance of all work contained in these specifications.
- 19.2.** Contingency
- 19.3.** Contractor shall include a project contingency equivalent to 10% of the total estimated labor and material cost.

20 SCHEDULING:

- 20.1.** Work to be performed during regular business hours of Monday through Friday 7:00 am – 4:30 pm.
- 20.2.** The Contractor is advised that certain inconveniences may be encountered. Complete cooperation between the Contractor and the on-site County Project Manager as well as the County Project Manager will be necessary to expedite the work with the least amount of interference or delay.
- 20.3.** The awarded Contractor is to provide the onsite County Project Manager with daily schedule of activities so that the necessary arrangements and precautions can be made with the patients in the construction areas.
- 20.4.** Upon Notice to Proceed, the project shall be completed per the accepted schedule of awarded contractor, unless otherwise specified in writing and accepted by the County Project Manager.

21 SAFETY AND SPECIAL REQUIREMENTS:

- 21.1.** Facility access and security clearance requirements: No County of Riverside Sheriffs Level One background clearance is required for all sites listed within the scope of this project. A County escort will be assigned to access rooms or locations that may be required to be opened.

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Exhibit B

General Conditions applicable to the work are included (Noted as a separate document (Exhibit B, General Conditions, on the County website).