

**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 #ITARC-470

Bid Issue Date: 02/08/2018
Job Walk Date: 02/21/2018
Bid Closing Date: 03/01/2018
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:
Fire Administration Head Quarter Cabling Project.

The Contractor shall furnish 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 all of the Contract Documents:

SITE: Fire Administration Building
403 E. 4th Street
Perris, CA 92570

ESTIMATED PROJECT COST: \$ 80,000.00

-
2. **CONTRACT DOCUMENTS** - Each bid shall be in accordance with all of the Contract Documents.
- a. **DRAWINGS:** The following drawings and plans are applicable to this project and made part of the Contract Documents:
- Drawings:** The fourteen documents included in this request; (noted as RFB #ITARC-448 Document A through M) are made available on Purchasing's website free of charge:
www.purchasing.co.riverside.ca.us **(Public Works under \$175,000) The drawings will not be distributed at the mandatory bidder's conference.**
- b. **GENERAL CONDITIONS:** The General Conditions applicable to the work are included in this RFB as Document C.
- 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:
See additional qualifying requirements in Document C.
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.

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5. TIMELINES -

1. Release of Request for Bids:	Date: 08 February 2018
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.	Date: 21 February 2018 Time: 10:30 a.m. Location: 403 E. 4 th Street, Perris, CA 92570 (meet in front of the building) Cell#: (951) 776-7253 Rick Hai, Procurement Contract Specialist
3. Deadline For Submission Of Questions: Email: RHai@rivco.org It is the responsibility of the bidder to confirm transmission of correspondence.	Date: 22 February 2018 Time: No later than 1:30 p.m. Must be in the form of an Email
4. Deadline For Bids:	Date: 01 March 2018 on or before 1:30 PM Pacific time

6. **BID SUBMITTAL** - All bids must be submitted on the (insert page number) page 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.**

BIDS SHALL BE DELIVERED TO:

**COUNTY OF RIVERSIDE
PURCHASING AND FLEET SERVICES
Attn: Rick Hai
2980 Washington Street
Riverside, CA 92504-4947**

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.

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

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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	Amount
1. Station Cabling	\$ _____
2. Paging System	\$ _____
3. A/V System	\$ _____
4. Wireless System	\$ _____
5. Special Services Cabling	\$ _____
6. Cooper Backbone	\$ _____
7. Fiber Backbone	\$ _____
8. Telecom Rooms	\$ _____
9. Grounding	\$ _____
10. PDU / UPS	\$ _____
11. Rental Equipment	\$ _____
12. Labor	\$ _____
13. Materials	\$ _____
14. CA Sale Tax (@ 7.75% City of Perris)	\$ _____
15. Contingency (10% of total item 1 through 14)	\$ _____

BASE BID

The undersigned agrees to perform all work required for this project for the sum of: \$ _____
 (List sum of items 1 through 14 as shown)

These prices include all applicable taxes, permits, licenses, insurance and bond costs, and all other costs incidental or related to the work.

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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BID FORM
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PAYMENT TERMS

Check one:

Lump sum payment at project completion

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 **sixty (60) 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
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(Public Work – Public Contract Code Section 20129 (a))

WHEREAS, the undersigned _____ (“Principal”) is herewith submitting to the County of Riverside (“County”) a Bid dated _____ 20____, in the amount of _____ (\$ _____) for the award by County to Principal of a contract (“Contract”) for the following: Fire Administration Head Quarter Cabling Project.

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 _____, 2018, 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 of 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 Attachment A and Attachment 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 Fire Administration Head Quarter Cabling Project, 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 **sixty (60) 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 #ITARC-470 ("Contract") to the undersigned _____, as Principal ("Principal") to perform the work ("Work") for the following project; Fire Administration Head Quarter Cabling Project.

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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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 #ITARC-470 ("Contract") to the undersigned _____, as Principal ("Principal") to perform the work ("Work") for the following project; Fire Administration Head Quarter Cabling Project, 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.

**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 #ITARC-470

Bid Issue Date: 02/08/2018
Job Walk Date: 02/21/2018
Bid Closing Date: 03/01/2018
on or before 1:30 P.M. Pacific Time

PERFORMANCE BOND

Page 2 of 3

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.

PERFORMANCE BOND

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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

Fire Administration HQ Project
403 E. 4th Street, Perris, CA 92570

1. DOCUMENTS INCLUDED IN THIS RFQ

- Document A – Material List
- Document B – Contractor’s Bid Page; Bidder will need to review the page in its entirety and provide the totals requested on the Contractors Quote.
- Document C – General Terms, Conditions and Contractor Qualifications
- Document D – Supplemental Installation Instructions
- Document E – Testing Certification
- Document F – Building 403 Cabling Floor Plans
- Document G – Building 405 Cabling Floor Plans
- Document H – Server Room Layout
- Document I – Server Room Rack Elevation
- Document J – Mezzanine Rack Elevation
- Document K – Furniture Floor Box In-feeds
- Document L – Low Voltage Pathway Conduit Submittal
- Document M – OSP Cable Pathway
- Document N – AP Installation Instructions

2. PROJECT OVERVIEW: The general scope of this project includes the installation of telecommunications cabling infrastructure located at 403 E. 4th Street, and an ancillary building located at 405 E. 4th Street, Perris, CA 92570. The project shall consist of the provision, installation, termination, testing and documentation of a complete fully functional structure Category 6 horizontal cabling system, wireless, OSP copper backbone and fiber backbone cabling between buildings. The ceiling environment will be a ducted return air plenum, which requires CMR-rated cable for the entire horizontal cable installation. All work must adhere to all Riverside County Information Technology (RCIT) specifications and standards. It is the Contractor’s responsibility to insure all labor and materials needed to deliver a complete, fully functional system that complies with all applicable codes, industry standards and industry best practices are accounted for in the cost proposal. Other trades will be working in the facility concurrently, and it is the Contractor’s Superintendent/Foreman responsibility to coordinate work with other trades during this project to prevent conflicts and to adhere to the construction schedule. All Contractor personnel performing work associated with this project shall wear shirts and/or badges clearly identifying their company. The Contractor shall provide safety equipment to each employee to be used as appropriate or required for the work. (e.g., eye protection, sound suppressors, hard hats, gloves, respirators, etc., as required).

2.1 The project will in general include the following:

- a) Build out of (1) Telecommunication Room to include, but not limited to: The provision of racks, horizontal cable termination equipment, ladder rack, and support structure above ceiling. Vertical and horizontal cable management and bonding.
- b) Build out of (1) Telecommunication Space in the 405 E. 4th Street building in the Mezzanine to include, but not limited to: The provision of wall mount rack, horizontal cable termination equipment. Horizontal cable management and bonding.
- c) Installation of (113) Work Area Outlets, using 4 Category 6 cables at each location.

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- d) Installation of (11) Wireless Work Area Outlets; using 1 Category 6A cables at each location.
- e) Installation of (1) 50-pair OSP Copper Backbone cable.
- f) Installation of (1) 12 Strand Fiber Optic Backbone cable.

3. SCHEDULE AND MILESTONES: All horizontal cabling installation and equipment configuration shall be performed during normal hours. Monday – Friday 6:00am to 2:30PM (Verify with General Contractor).

03/08/2018: Award of Contract/Notice to Proceed -Tentative
03/26/2018: Commence work -Tentative
05/23/2018: Test results turned over to the County -Tentative
05/30/2018: Work complete and turned over to the County for beneficial use -Tentative
05/31/2018: Receipt of final documentation from contractor -Tentative

4. Scope of Work 403 E. 4th Street, Perris, CA 92570: The Contractor shall furnish all travel, parts, labor, materials, rentals, equipment, disposal, transportation and supervision necessary to install Category 6A cabling at the Fire Administration Building. Work to be performed in strict accordance with the approved specifications and drawing set prepared by Riverside County Information Technology (noted as separate documents, each downloaded on the County of Riverside Purchasing webpage at www.purchasing.co.riverside.ca.us).

4.1 Server Room (TR 1A), Station Cabling:

4.1.1 Quad Data

- a) Provide and install (102) Quad Work Area Outlets (WAO) using four white Berk-Tek LANmark 1000 Category 6 cables at each location.
 - i. Terminate the cables at the WAO using Leviton eXtreme Category 6 inserts. The first data cable (data "A") will terminate on an orange jack. The second data cable (data "B") will terminate on a green jack. The third data cable (data "C") will terminate on a yellow jack. The fourth data cable (data "D") will terminate on a crimson jack.
 - ii. At the WAO, use white 4-port Leviton faceplates for hard wall or flush mounted ceiling locations, black 4-port Leviton faceplates for all cubicle locations and 106 frames for floor mounted locations (Verify floor boxes with Electrician and RCIT).
 - iii. In the telecom room, all standard work area outlet cables shall be terminated on a Leviton eXtreme Category 6, 110 style high density patch panels, wired in accordance with the T568B pin configuration standard.

4.1.2 Horizontal Patch Panels

- a) Data A, B, C, D work area outlets terminations
 - i. Provide and install (10) Leviton 48-port Category 6 patch panels.

4.1.3 Patch Cords:

- a) Deliver the following quantities of patch cords to the site:
 - i. Provide (50) 3' white category 6 patch cord
 - ii. Provide (50) 5' white category 6 patch cord
 - iii. Provide (200) 7' white category 6 patch cord

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- iv. Provide (300) 10' white category 6 patch cord

4.1.4 Server Room (TR 1A) Wireless System:

4.1.4.1 Coordination

- a) It will be necessary to coordinate and confirm the location of all access points with the RCIT Engineer and General Contractor.

4.1.4.2 Wireless Access Point Work Area Outlets:

- a) Provide and install (10) Wireless Work Area Outlets, using one white Berk-Tek Category 6A cable at each location.
- i. Wireless Work Area Outlets are identified on the jack plan drawings using a 700-series number.
 - ii. Terminate both ends of the cable using blue Leviton eXtreme Cat 6A inserts.
 - iii. At the WAO, use a white Leviton 2-port surface mount box and a QuickPort in-ceiling bracket with clip placed above the ceiling.
 - iv. In the telecom room, the eXtreme inserts will be housed in a Leviton QuickPort patch panel dedicated to WAP's.

4.1.4.3 Wireless Access Points:

- a) Install (10) customer (RCIT) provided Cisco Wireless Access Points.
b) Provide and install (10) 5' blue eXtreme Category 6A patch cords.
 - i. Each Access Point shall be patched using (1) blue Category 6A patch cord at the WAP location.

4.1.4.4 WAP Patch Panels:

- a) Provide and install (1) Leviton 24-module QuickPort patch panel kit.
b) Provide and install blank inserts to all unused ports of the QuickPort patch panels and surface mount boxes.

4.1.4.5 Patch Cords:

- a) Deliver the following quantities of patch cords to the site:
 - i. Provide (10) Leviton 7' blue eXtreme Category 6A patch cords.

4.1.5 Server Room (TR 1A), Special Services:

4.1.5.1 Special Services Cables:

- a) Provide and install (4) white Berk-Tek LANmark 1000 Category 6 cables from the MPOE Demark to TR 1A.
 - i. Terminate both ends of the cables connecting the telecom room to the MPOE using orange Leviton eXtreme Category 6 jacks.
 - ii. All eXtreme inserts will be housed in a Leviton QuickPort patch panels.

b) Provide and install (6) white Berk-Tek LANmark 1000 Category 6 cables from the special services patch panel to the voice frame within TR 1A.
 - i. At the voice frame, terminate cables using 300 pair 110 termination block assemblies installed as part of task 1.4.2.1 below.

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- ii. At the special services panel, terminated cables using white Leviton eXtreme Category 6 jacks.
- iii. All eXtreme inserts will be housed in a Leviton QuickPort patch panels.

4.1.5.2 Analog Cables:

- a) Provide and install (2) Cable Exchange 25-pair riser cables from the equipment rack to the voice frame.
 - i. Within the equipment rack, connect the cable to the back of the analog patch panel or voice gateway using the Amphenol connector.
 - ii. At the voice frame, terminate the cable on the 300 pair 110 termination block within the telecom room.

4.1.5.3 Analog Patch Panels:

- a) Provide and install (1) Leviton 24-port Amphenol 2 wire patch panel.

4.1.5.4 Special Services Patch Panels:

- a) Provide and install (1) Leviton 12-port QuickPort VertiGO Panel for Telco Demark.
- b) Provide and install (1) Leviton 24-module QuickPort patch panel kit in TR 1A.
- c) Provide and install blank inserts to all unused ports of the QuickPort patch panels.

4.1.6 Copper Backbone:

4.1.6.1 OSP/ISP Copper Backbone Cable:

- a) It is the cabling contractor's responsibility to determine and verify cable footages.
- b) Provide and install (1) Essex 50-pair OSP rated cable from Building #403 Server Room to Building #405 2nd Floor Mezzanine; approximate distance is approximately 400 feet. Terminate each end on the 110 Building Entrance Terminal.
- c) Provide and install (1) 50 Pair/110 Block Circa Building Entrance Terminal.
- d) Provide and install (25) Black 5 Pin Protection Modules.
- e) Provide and install (1) Essex 50-pair ISP riser cable from the protection terminal to the 300 pair 110 block in 1.4.1.3.

4.1.6.2 Voice Frame Build Out:

- a) Provide and install (1) 300 pair 110 termination block assemblies in TR 1A.

4.1.7 Fiber Backbone:

4.1.7.1 Fiber Backbone Cable:

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- a) It is the cabling contractor's responsibility to determine and verify cable footages.
- b) Provide and install (1) Berk-Tek 12 Fiber Tight Buffer Armored OM3 MM cable from Building #403 Server Room to Building #405 2nd Floor Mezzanine; approximate distance is approximately 400 feet. Terminate each end in the rack in fiber optic enclosures.
- c) Provide and install (1) Opt-X 1000i 1U Fiber Enclosure.
- d) Provide and install (1) 12 Fiber SC Adapter.
- e) Provide and install (2) Adapter Plate Blank.
- f) Terminate fiber with (12) SC FastCAM Connectors.

4.2 Server Room (TR 1A):

4.2.1 Equipment Racks

- 4.2.1.1 Provide and install (2) Chatsworth QuadraRack 4-post equipment racks.
- 4.2.1.2 Provide (6) packages of #12/24 screws.

4.2.2 Wire Managers:

- 4.2.2.1 Provide and install (6) Chatsworth 2 RMU single-sided horizontal wire managers.
- 4.2.2.2 Provide and install (6) Chatsworth CCS 6"x6" vertical wire manager.

4.2.3 Cable Ladder Assembly:

- 4.2.3.1 Provide and install (1) Chatsworth 18" alternate space cable runway.
- 4.2.3.2 Provide and install (2) Chatsworth 18" universal cable runway.
- 4.2.3.3 Provide and install (2) Chatsworth 18" cable runway inside radius bend.
- 4.2.3.4 Provide and install (4) Chatsworth 18" cable runway radius drops.
- 4.2.3.5 Provide and install (3) Chatsworth 6" cable runway elevation kits.
- 4.2.3.6 Provide and install (1) Chatsworth cable runway wall angle supports.
- 4.2.3.7 Provide and install (2) Chatsworth vertical wall brackets.
- 4.2.3.8 Provide and install (1) Chatsworth junction-splice kits.
- 4.2.3.9 Provide and install (2) Chatsworth heavy duty butt splice kits.
- 4.2.3.10 Provide and install (3) Chatsworth triangular support bracket.

4.3 Server Room (TR 1A) Grounding:

4.3.1 General

- 4.3.1.1 Provide and install (1) Chatsworth 20" Telecommunication Main Ground Bus Bar (TMGB).
 - a) Bonding from the building ground to the busbar shall be performed by the electrical contractor working on this project.
- 4.3.1.2 Provide and install (2) ground straps between each cable runway junction.
- 4.3.1.3 Provide and install (1) #6 AWG stranded copper ground cable to each rack or cabinet.
- 4.3.1.4 Provide and install (1) #6 AWG stranded copper ground cable from the TMGB to the cable runway.
- 4.3.1.5 Provide and install (1) #6 AWG stranded copper ground cable from the TMGB to each backbone cable.

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4.4 Server Room (TR 1A) PDU:

4.4.1 PDU Equipment

4.4.1.1 Provide and install (2) APC 110V/15AMP Vertical Metered Zero U PDU.

4.5 Miscellaneous:

4.5.1 Suspension Hardware

4.5.1.1 It is the responsibility of the awarded low-voltage cabling contractor to provide all of the P-rod, stringers, J hooks and hardware necessary to properly support and route the communications cables in the plenum and telecom rooms / spaces. For the most part, hallways are open to the roof deck and will not be available for cable pathways.

4.5.2 Firestopping

4.5.2.1 It is the responsibility of the awarded low-voltage cabling contractor to provide firestop to all penetrations on fire-rated walls and floors using a UL approved system.

4.5.3 Pathways

4.5.3.1 Provide and install (4) 4" EMT conduit sleeves for cabling use. Sleeves shall protrude through the ceiling grid no more than 4 inches. Sleeves shall be attached to the wall using strut and plastic bushings at both ends.

5. Scope of Work Building 405 E. 4th Street:

5.1 Second Floor Mezzanine (TR 1A) Station Cabling:

5.1.1 Quad Data

5.1.1.1 Provide and install (11) Quad Work Area Outlets (WAO) using four white Berk-Tek LANmark 1000 Category 6 cables at each location.

- a) Terminate the cables at the WAO using Leviton eXtreme Category 6 inserts. The first data cable (data "A") will terminate on an orange jack. The second data cable (data "B") will terminate on a green jack. The third data cable (data "C") will terminate on a yellow jack. The fourth data cable (data "D") will terminate on a crimson jack.
- b) At the WAO, use white 4-port Leviton faceplates for hard wall or flush mounted ceiling locations, black 4-port Leviton faceplates for all cubicle locations and 106 frames for floor mounted locations.
- c) Provide Wiremold/Panduit molding for all locations that require surface mounted Work Area Outlets.
- d) In the Mezzanine, all standard work area outlet cables shall be terminated on a Leviton eXtreme Category 6, 110 style high density patch panels, wired in accordance with the T568B pin configuration standard.

5.1.2 Horizontal Patch Panels

5.1.2.1 Data A, B, C, D work area outlets terminations

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- a) Provide and install (1) Leviton 48-port Category 6 patch panel.

5.1.3 Patch Cords:

5.1.3.1 Deliver the following quantities of patch cords to the site:

- a) Provide (30) 3' white category 6 patch cord
b) Provide (30) 10' white category 6 patch cord

5.2 Second Floor Mezzanine (TR 1A) Wireless System:

5.2.1 Coordination

5.2.1.1 It will be necessary to coordinate and confirm the location of all access points with the RCIT Engineer and General Contractor.

5.2.2 Wireless Access Point Work Area Outlets:

5.2.2.1 Provide and install (1) Wireless Work Area Outlets, using one white Berk-Tek Category 6A cable at each location.

- a) Wireless Work Area Outlets are identified on the jack plan drawings using a 700-series number.
b) Terminate both ends of the cable using blue Leviton eXtreme Cat 6A inserts.
c) At the WAO, use a white Leviton 2-port surface mount box and a QuickPort in-ceiling bracket with clip placed above the ceiling.
d) In the telecom room, the eXtreme inserts will be housed in a Leviton QuickPort patch panel dedicated to WAP's.

5.2.3 Wireless Access Points:

5.2.3.1 Install (1) customer (RCIT) provided Cisco Wireless Access Points.

5.2.3.2 Provide and install (1) 5' blue eXtreme Category 6A patch cords.

- a) Each Access Point shall be patched using (1) blue Category 6A patch cord at the WAP location.

5.2.4 WAP Patch Panels:

5.2.4.1 Provide and install (1) Leviton 24-module QuickPort patch panel kit.

5.2.4.2 Provide and install blank inserts to all unused ports of the QuickPort patch panels and surface mount boxes.

5.2.5 Patch Cords:

5.2.5.1 Deliver the following quantities of patch cords to the site:

- a) Provide (1) Leviton 3' blue eXtreme Category 6A patch cords.

5.3 Second Floor Mezzanine (TR 1A), Special Services:

5.3.1 Special Services Cables:

5.3.1.1 Not Applicable.

5.3.2 Analog Cables:

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- 5.3.2.1** Provide and install (1) Cable Exchange 25-pair riser cables from the equipment rack to the voice frame.
 - a) Within the equipment rack, connect the cable to the back of the analog patch panel or voice gateway using the Amphenol connector.
 - b) At the voice frame, terminate the cable on the 300 pair 110 termination block within the telecom space.

5.3.3 Analog Patch Panels:

- 5.3.3.1** Provide and install (1) Leviton 24-port Amphenol 2 wire patch panel.

5.4 Copper Backbone:

5.4.1 OSP/ISP Copper Backbone Cable:

- 5.4.1.1** Install (1) Essex 50-pair OSP rated cable from the Server Room Building #405 Mezzanine to Building #403 Server Room (TR-1A); approximate distance is 400 feet. Terminate each end on the designated area of the 110 protection blocks.
- 5.4.1.2** Provide and install (1) 50 Pair/110 Block Circa Building Entrance Terminal.
- 5.4.1.3** Provide and install (25) Black 5 Pin Protection Modules.
- 5.4.1.4** Provide and install (1) Essex 50-pair ISP riser cable from the protection terminal to the 300 pair 110 block in 2.4.2.1.

5.4.2 Voice Frame Build Out:

- 5.4.2.1** Provide and install (1) 300 pair 110 termination block assemblies in TR 1A.

5.5 Fiber Backbone:

5.5.1 Fiber Backbone Cable:

- 5.5.1.1** It is the cabling contractor's responsibility to determine and verify cable footages.
- 5.5.1.2** Install (1) Berk-Tek 12 Fiber Tight Buffer Armored OM3 MM cable from Building #403 Server Room to Building #405 2nd Floor Mezzanine; approximate distance is 400 feet. Terminate each end in the rack in fiber optic enclosures.
- 5.5.1.3** Provide and install (1) Opt-X 1000i 1U Fiber Enclosure.
- 5.5.1.4** Provide and install (1) 12 Fiber SC Adapter.
- 5.5.1.5** Provide and install (2) Adapter Plate Blank.
- 5.5.1.6** Terminate fiber with (12) SC FastCAM Connectors.

5.6 Second Floor Mezzanine (TR 1A) Telecom Space:

5.6.1 Equipment Racks

- 5.6.1.1** Provide and install (1) Chatsworth Standard Swing Gate Wall Mount Rack.
- 5.6.1.2** Provide (2) packages of #12/24 screws.

5.7 Second Floor Mezzanine (TR 1A), Grounding:

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5.7.1 General

- 5.7.1.1** Provide and install (1) Chatsworth 20" Telecommunication Main Ground Bus Bar (TMGB).
 - a) Bonding from the building ground to the busbar shall be performed by the electrical contractor working on this project.
- 5.7.1.2** Provide and install (1) #6 AWG stranded copper ground cable to wall mount rack.
- 5.7.1.3** Provide and install (1) #6 AWG stranded copper ground cable from the TMGB to each backbone cable.

5.8 Second Floor Mezzanine (TR 1A) PDU:

5.8.1 PDU Equipment

- 5.8.1.1** Provide and install (1) APC 110V/15AMP Horizontal 1U PDU.

5.9 Miscellaneous:

5.9.1 Suspension Hardware

- 5.9.1.1** It is the responsibility of the awarded low-voltage cabling contractor to provide all of the P-rod, stringers, J hooks and hardware necessary to properly support and route the communications cables in the ceiling and telecom rooms / spaces.

5.9.2 Firestopping

- 5.9.2.1** It is the responsibility of the awarded low-voltage cabling contractor to provide firestop to all penetrations on fire-rated walls and floors using a UL approved system.

5.9.3 Pathways

- 5.9.3.1** Provide and install (1) 4" EMT conduit sleeves for cabling use. Sleeves shall protrude through the wall. Sleeves shall be attached to the wall using strut and plastic bushings at both ends.

6. Contingency:

- 6.1** Include a project contingency equivalent to 10% of your total estimated labor and material cost.

===== End =====