

# LOS RIOS COMMUNITY COLLEGE DISTRICT

1919 Spanos Court, Sacramento, CA 95825  
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Purchasing Department



Sacramento City College American River College Cosumnes River College Folsom Lake College

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## ADDENDUM NO. 1

ISSUE DATE: September 7, 2016

### Wide Area Network (WAN) Multipoint Connectivity

### LRCCD RFP NO. 17003

Issued By:

LOS RIOS COMMUNITY COLLEGE DISTRICT  
1919 Spanos Court, Sacramento, CA 95825  
Phone (916) 568-3071 Fax (916) 568-3145

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This addendum forms a part to the Contract Documents. The addendum items supersede and supplement all portions of the bidding documents with which it conflicts. All workmanship, materials, appliances and equipment which may be included in the following addendum items shall be of the same relative quality as described for similar work set forth in the general or main specifications of which these addendum items shall be considered a part.

This Addendum has been acknowledged in the space provided on the Bid Form and is considered part of the bid documents.

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Addendum No. 1 consists of 7 pages.

- Question:** We went over the RFP and would like to clarify if you are looking for a WAN solution or L2 Switching to hand off multiple uplinks to the WAN circuit?  
**Response:** *This information is contained in the RFP.*
- Question:** Just wanted to get some clarification on the circuits requested in the RFP. Will these be new circuits, or will they be replacing existing circuits that are up for renewal?  
**Response:** *New circuits.*

3. **Question: Section 1.1** – From our review of the California Teleconnect Fund eligibility list, Application # 500006 was approved on 1/13/2009. Please confirm that this approval covers all sites listed in Section 3.1 of the RFP?

**Response:** *Yes- all listed sites in Section 3.1 are eligible for CTF approved services.*

4. **Question: Section 3.1 and 6.2** – There are 21 sites listed in Section 3.1, but in Section 6.2 you mention that LRCCD “maintains 22 permanent sites, all of which share Internet and data center resources via WAN Network Services. Why don’t these site numbers match? Do two sites share facilities or are we missing a site that needs pricing information?

**Response:** *The correct number of sites is 20. There was a duplicate at 5808 Price Ave (see question 5) and a site that was removed from the listed 22 sites.*

5. **Question: Section 6.0, APPENDIX A: LRCCD TOPOLOGY OVERVIEW**

- a. McClellan Area 6 x 1Gbps - is the request for six - 1gbs circuits or one - 6gbps circuit?
- b. Mather Area 2 x 1Gbps - is the request for two - 1gbps circuits or one - 2gbps circuit?

**Response:** *a. There are only 5 connections for the McClellan Area. The total is for 5 x 1Gbps connections.*

1. ARC- McClellan Center Building 8 5146 Arnold Ave. (Appendix A 6.6.14)
  2. ARC- Twin Rivers Pre-Apprenticeship Training Center 1333 Grand Ave. (Appendix A 6.6.15)
  3. SCC- Aeronautics and Flight Technology programs 5808 Price Ave (Appendix A 6.6.16 & 6.6.17)
  4. SCC- McClellan Center Building 28 (Hanger/Tool Room) 5803 Price Avenue (Appendix A 6.6.18)
  5. ARC- McClellan Center Building 686 2409 Dean St. (Appendix A 6.6.19)
- Please combine Appendix A 6.6.16 and 6.6.17 as one site.*
- b. It is for 2 x 1Gbps circuits (Appendix A 6.6.12 and 6.6.13)*

6. **Question: Section 11.2 & 6.5** - Please specify which site(s) requires 3gbps connections.

**Response:** *No sites require 3Gbps. The request is for 10Gbps for main campuses and data centers and 1Gbps for all other sites (see Appendix A page 10 “LRCCD WAN Connectivity Request for Bid August 1, 2016”).*

7. **Question: Section 3.1.16, 3.1.17, and 3.1.18 and Appendix A, page 26:**

- a. 5808 Price Ave, Building 39 has two numerical addresses (5808 and 5803) shown on each end of the building on the parking lot side --- Please clarify which is the correct address
- b. Is Aeronautics and Flight Technology and McClellan Center Building 39 (Classroom/Offices) one building? 5808 or 5803?
- c. 5803 Price Ave, Building 28 (Hanger/Tool Room) --- Confirm fiber connection is also needed at this site? Or just at 5808

**Response:** *a. Both are correct.*

*b. Yes. Please combine Section 3.1.16 and 3.1.18 as one site with 1 x 1Gbps circuit.*

*c. There are only 5 connections for the McClellan Area. The total is for 5 x 1Gbps connections.*

1. ARC- McClellan Center Building 8 5146 Arnold Ave. (Section 3.1.14)
2. ARC- Twin Rivers Pre-Apprenticeship Training Center 1333 Grand Ave. (Section 3.1.15)

3. *SCC- Aeronautics and Flight Technology programs 5808 Price Ave (Section 3.1.16 & 6.6.18)*
4. *SCC- McClellan Center Building 28 (Hanger/Tool Room) 5803 Price Avenue Section 3.1.17)*
5. *ARC- McClellan Center Building 686 2409 Dean St. (Section 3.1.19)*

**8. Question:** What if any changes or addendums have been made to the RFP?

**Response:** *This (Addendum No.1) is the only addendum.*

**9. Question:** Can you please provide CENIC Metro Fiber Maps for your connections?

**Response:** *This information is contained in the RFP.*

**10. Question:** Is CENIC using a last mile provider?

- a. If so, can you please provide last mile fiber provider at your locations?
- b. It would be extremely challenging to design a redundant network without the above questions answered

**Response:** *a. Some of the last mile connections are service providers and others are on leased dark fiber. The only service provider we are aware of is AT&T for colleges and outreach centers.*

*b. The only known service providers at this time that CENIC has contacted is AT&T and Frontier Communications for last mile connectivity for colleges and outreach centers. CENIC is not providing any connectivity to Mather Area or McClellan Area.*

**11. Question:** Is the RFP asking for new MPOE Builds and physical path diversity?

- a. Is the RFP asking for physical path diversity or carrier diversity?
- b. Or both physical diversity and carrier Diversity? It is almost impossible to provide both.

**Response:** *The desire is for as much diversity as possible with carrier provider and pathways. There is a strong desire to have pathway diversity to MPOE. The priority for pathway diversity is data centers/main college campuses and outreach centers then other district facilities. The alternate sites would be a lower priority.*

**12. Question:** Would switched access from a provider be acceptable for diversity?

**Response:** *LRCCD is requesting circuit connectivity. Any CPE should be listed as specified in Attachment B.*

**13. Question:** Are you requesting managed or unmanaged routers?

**Response:** *This is for connectivity. LRCCD is looking for connectivity. This information is contained in the RFP.*

**14. Question:** Are there options for the pricing validity to be flexible?

- a. If so what options would be considered?

**Response:** *Quote per RFP.*

**15. Question:** Regarding Checklist and questionnaire (page 32):

- a. Can you please elaborate on what section 4.0 "system specifications" means?

**Response:** *The specifications for 4.0 is found in 5.0 "Please use Section 3.0 on page 6 - SYSTEM SPECIFICATIONS and Sections 6.0 Appendix A page 10: LRCCD Topology Overview to prepare your response."*

**16. Question:** Regarding sections 8.7:

- a. What does "SIP in the cloud" mean to Los Rios Community College District?
  - i. Can you please clarify and provide details or examples of "SIP in the Cloud"?

**Response:** *SIP in the Cloud to LRCCD means SIP services are not tethered to location or equipment. SIP in the cloud would put key controls on the network and allow real-time policy enforcement, routing, control, monitoring and interoperability outside of on*

*premise servers and circuits and into a common SOA-based (service-oriented architecture) session layer. This will allow LRCCD to deliver SIP services as needed and on the fly.*

**17. Question:** For response purposes, can you please provide a copy of the RFP in Word Format? .docx preferred.

**Response:** *No, LRCCD does not provide unlocked copies.*

**18. Corrections:**

- a. Replace page 32 of RFP with attached, revised page. Line 5 changed referenced page numbers.
- b. Replace page 7 of RFP with attached, revised page, deleting line 3.1.18.
- c. Replace page 26 of RFP with attached, revised page, deleting line 6.6.17.

END OF SECTION.

## ATTACHMENT B

### LOS RIOS COMMUNITY COLLEGE DISTRICT REQUEST FOR PROPOSAL FOR LRCCD – WAN Multipoint Connectivity

#### *CHECKLIST and QUESTIONNAIRE*

#### 1.0 PLEASE BRIEFLY DESCRIBE YOUR ORGANIZATION

Include information on your ability to execute, and experience with, the proposed solution. Detail vendor experience in working with proposed system partners and manufacturer equipment.

#### 2.0 SOLUTION OVERVIEW

Provide an overview of the proposed solution. Refer to attachments if necessary, but the bulk of the response should be contained within this document.

#### 3.0 REFERENCES

Provide five references. The reference should include a specific person, familiar with the implementation being referenced, whom we can speak to about the project, and your organization. References from at least three clients of a similar nature to the LRCCD are preferred, eg: other Community Colleges, educational or public sector clients. References from the California Community Colleges are also preferred.

#### 4.0 SYSTEM SPECIFICATIONS

#### 5.0 Please use **Section 3.0 on page 6 - SYSTEM SPECIFICATIONS** and **Sections 6.0 Appendix A page 10: LRCCD Topology Overview** to prepare your response.

Complete this section with your answers to the questions in the REQUEST FOR PROPOSAL. If referring to a specific provision of the REQUEST FOR PROPOSAL, provide the section number of the provision you are referencing.

#### 6.0 REQUEST FOR PROPOSAL Terms

Does the proposed solution rely on work or services provided by partners, subcontractors, or third parties? If yes, please detail the parties, and their roles.

#### 7.0 Architecture

7.1 Describe the physical architecture of the proposed solution. Include information about any fault-tolerance features. Attached topology diagrams would be considered helpful

7.2 Describe the location/method the proposed solution would physically connect at each location, for comparison to the existing CENIC circuit. (see 6.5)

7.3 Provide a listing of the specific Customer Premise Equipment (CPE) that will be provided as part of the proposed solution.

7.4 Describe the fault-tolerance of the provided CPE.

7.5 Do you affirm that the proposed solution in no way relies on infrastructure or services provided by CENIC?

#### 8.0 Performance/Technologies

8.1 Provide the following statistics:

8.1.1 What are the average packet loss percentage expectations for the proposed solution?

8.1.2 Provide the expected performance statistics for data traversing the proposed solution (in milliseconds).

8.1.3 Minimum expected latency

8.1.4 Average expected latency

8.1.5 Maximum expected latency

8.1.6 Latency Standard deviation

8.1.7 Minimum expected jitter

8.1.8 Average expected jitter

8.1.9 Maximum expected jitter

8.1.10 Jitter Standard deviation

8.2 Does the proposed solution provide full end-to-end OSI Layer 2 connectivity between attached LRCCD-provided equipment?

8.3 Does the proposed solution support IEEE 802.1Q VLAN tagging?

8.4 Detail the Quality of Service (QoS) and bandwidth-shaping options available with the proposed solution.

8.5 Please describe your QoS services when overlay with SIP service?

8.6 Does the proposal provide SIP handoff on every Network Services as standard?

8.7 Does the proposal provide capacity to inject SIP into the cloud?

- 3.1.13 Mather Center Diesel/Clean Diesel Technology ALTERNATIVE  
10115 Spaatz Way Mather, CA 95655
- 3.1.14 McClellan Center Building 8 ALTERNATIVE  
5146 Arnold Ave. McClellan AFB, CA 95652
- 3.1.15 Twin Rivers Pre-Apprenticeship Training Center ALTERNATIVE  
1333 Grand Avenue Sacramento, CA 95838
- 3.1.16 Aeronautics and Flight Technology programs ALTERNATIVE  
5808 Price Ave McClellan AFB, CA 95652
- 3.1.17 McClellan Center Building 28 (Hanger/Tool Room) ALTERNATIVE  
5803 Price Avenue McClellan, CA 95652
- ~~3.1.18 McClellan Center Building 39 (Classrooms/Offices) ALTERNATIVE  
5808 Price Avenue McClellan, CA 95652~~
- 3.1.19 McClellan Center Building 686 ALTERNATIVE  
2409 Dean St. McClellan AFB, CA 95652
- 3.1.20 Workforce and Economic Development DISTRICT  
1410 Ethan Way Sacramento, CA 95825
- 3.1.21 Facilities Management DISTRICT  
3753 Bradview Drive Sacramento, CA 95825

## 3.2 Architecture

- 3.2.1 Proposed solution must be carrier-independent from existing WAN provider:  
CENIC
  - 3.2.1.1 The proposed solution should function, without degradation, without any services provided by CENIC.
  - 3.2.1.2 Due to the role of this circuit in our data topology, it is preferred that the proposed circuit follow a different physical path to LRCCD building than the existing WAN circuit, and/or enter our premises from a different location, if at all possible. This would reduce the risk that an incident which might interrupt the LRCCD or CENIC circuit would also interrupt the proposed circuit. Special attention will be paid to any valid proposed solution which can avoid the path of the existing WAN circuit.  
If this option would incur additional installation costs, please detail timetable and costs for utilizing existing circuits which may not be physically separate, along with a plan (and any associated costs) to provide a physically distinct circuit path. Please indicate any change in cost for a multiple year contract.
  - 3.2.1.3 Details of the circuit locations of the current WAN are detailed in section 6.5
- 3.2.2 The circuit should provide direct OSI layer-2 connectivity between connected endpoints.

- 6.6.16 Aeronautics and Flight Technology programs ALTERNATIVE  
5808 Price Ave McClellan AFB, CA 95652
- 6.6.17 ~~McClellan Center Building 39 (Classrooms/Offices) ALTERNATIVE~~  
~~5808 Price Avenue McClellan, CA 95652~~
- 6.6.18 McClellan Center Building 28 (Hanger/Tool Room) ALTERNATIVE  
5803 Price Avenue McClellan, CA 95652

