

**civicNET**

**ADDENDUM #2**

(Released Friday, March 13, 1998)

1. Exhibit #1 has been replaced with that attached .
2. LAN-RFP, Specifications 1.2.1, 1.2.2, 1.2.3, 1.2.4, 1.2.5 and 1.2.6 should be replaced with the following:

1.2 FEATURES/CAPABILITIES OF THE ATM LAN SWITCH AT SELECT LOCATIONS; ALL LOCATIONS ARE ELIGIBLE FOR A PARTIAL FCC USF DISCOUNT UNLESS NOTED OTHERWISE.

1.2.1 DELEVAN SCHOOLS, MIDWEST CENTRAL HS, RANKIN GS, ISBE POP, TEMONT GS, MACKINAW GS, GEORGETOWN GS, ROGERS GS, DON SHUTE GS, GRUNDY GS, JEFFERSON GS, LINCOLN GS, DEER CREEK GS, MORTON JHS, LETTIE BROWN GS, LA SALLE GS, PARKVIEW GS, LINCOLN GS, GLENDALE GS, WOODROO WILSON GS, EAST PEORIA HS, BOLIN GS, ARMSTRONG GS, ROBEIN GS, WASHINGTON MS, WASHINGTON GS, CENTRAL GS, BEVERLY MANOR GS, JOHN HENSEY GS, ISBE POP, ICC-HEALTH & SAFETY (ineligible for FCC USF), and ICC-PERLEY CAMPUS (ineligible for FCC USF)

Interfaces (32 total):

- Twelve 25.6 Mbps interfaces on base model, or as a module in the expansion unit (if any)
- 1 single mode fiber interface (in base module)

PLEASE NOTE, ICC-HEALTH & SAFETY and PERLEY CAMPUS REQUIREMENTS SUBJECT TO CHANGE.

1.2.2 GREEN VALLEY GS, SOUTH PEKIN GS, TREMONT HS, and MACKINAW HS

Interfaces (5 total):

- Twelve 25.6 Mbps interfaces on base model, or as a module in the expansion unit (if any)
- One single mode fiber interface (in base module)
- One, 3-port 155 Mbps Concentration ATM Flex Module (SMF, MMF, UTP/STP)
- One expansion chassis/unit
- Two single mode fiber interface for expansion chassis/unit

1.2.3 SUNSET GS, HOMEWOOD HEIGHTS GS, and ILLINOIS CENTRAL COLLEGE (ICC ineligible for FCC USF)

Interfaces (2 total):

- Twelve 25.6 Mbps interfaces on base model, or as a module in the expansion unit (if any)
- One single mode fiber interface (in base module)
- One, 3-port 155 Mbps Concentration ATM Flex Module (SMF, MMF, UTP/STP)
- One expansion chassis/unit
- Three single mode fiber interface for expansion chassis/unit

PLEASE NOTE, ICC-EAST PEORIA CAMPUS REQUIREMENTS SUBJECT TO CHANGE.

1.2.4 MARQUETTE GS, WASHINGTON HS

Interfaces (2 total):

- Twelve 25.6 Mbps interfaces on base model, or as a module in the expansion unit (if any)
- One single mode fiber interface (in base module)
- Two, 3-port 155 Mbps Concentration ATM Flex Module (SMF, MMF, UTP/STP)
- One expansion chassis/unit
- Five single mode fiber interface for expansion chassis/unit

1.2.5 MORTON HS

Interfaces (1 total):

- Twelve 25.6 Mbps interfaces on base model, or as a module in the expansion unit (if any)
- One single mode fiber interface (in base module)
- Two, 3-port 155 Mbps Concentration ATM Flex Module (SMF, MMF, UTP/STP)
- One expansion chassis/unit
- Six single mode fiber interface for expansion chassis/unit

1.2.7 WASHINGTON GS—EAST PEORIA

Interfaces (1 total)

- Twelve 25.6 Mbps interfaces on base model, or as a module in the expansion unit (if any)

- One single mode fiber interface (in base module)
  - Three, 3-port 155 Mbps Concentration ATM Flex Module (SMF, MMF, UTP/STP)
  - One expansion chassis/unit
  - Eight single mode fiber interface for expansion chassis/unit
3. Add to Specification 1.3—FEATURES/CAPABILITIES OF THE ROUTER AT ALL LOCATIONS TO CONNECT EXISTING LAN/LABS TO THE ATM SWITCH (2210 ROUTER):

All routers must support both Token-ring LANE and Ethernet LANE and provide for a minimum 25Mbps ATM up-link. The actual number of Token-ring and/or Ethernet LAN's to be supported at each building location will be negotiated at the time of bid award. For purposes of this bid, it is assumed that one (1) of each shall be supported. Provider should bid one router per location—total 38—except for the three ICC Campuses for which none should be bid.

4. Add to Specification 2.0—VIDEO COMPRESSION and NETWORK OPTIMIZATION SERVER HARDWARE and ASSOCIATED SOFTWARE (ineligible for FCC USF):
- For Washington HS, Tremont HS, and Delevan HS, one VAN each with 1 encoder and 1 decoder
  - For ICC Perley Campus, two VAN's each with 1 encoder and 1 decoder
  - For ICC East Peoria Campus, one or more VAN's to support 4 encoders and 6 decoders
5. ALL BIDS ARE DUE MARCH 23, 1998 AT 10:30 A.M. (NOT P.M.).
6. Exhibit 3 (MAP) does not show the two Illinois Central College—Peoria Campuses; these should be added. They include: the ICC\_Health and Safety Campus immediately adjacent to QST Communications at 201 SW Adams and the ICC-Perely Campus across the mall at 115 SW Adams. A total of four strands should be planned from the East Peoria Campus directly to the Health and Safety Campus and then on to the Perely Campus.
7. Exhibit 3 (MAP) shows in the LEGEND that the ICC HUB has only 2 OC-3 ports; it should be 4 OC-3 ports; The Map LEGEND shows the Morton HS HUB having 6 OC-3 ports, it should be 7 OC-3 ports; The Central Grade School, Washington, location is for future consideration only—fiber will remain dark at the pole closest to the school campus but not onto the campus and shall originate from Washington HS; The Map LEGEND shows the Washington HS HUB having 8 OC-3 ports, it should be 6 OC-3 ports.
8. In responding to Schedule 1 of the WAN- and LAN-RFP “Proposal Quotation Form”, please attach to the same a detailed breakout of your costs—especially if utilizing FCC USF funds. Note which costs are being claimed for discount by

means of an asterisk (\*). For the WAN-RFP, it is important to show the costs of each segment. This is especially important on the Deer Creek and Mackinaw 'runs' which may be dropped.

9. LAN-RFP, Section 1.0 SOFTWARE - ATM Network management

Is there an existing network management platform in place that can support (hardware and software) the network requirements requested in the RFP? YES.

If so, will the LAN provider be responsible for configuration and integration of the new equipment in to the existing management station? YES.

If yes can you please supply information regarding the current configuration of the equipment? A BASIC IDEA CAN BE OBTAIN BY REVIEWING EXHIBIT 2, THE DISTRICT'S GLOBAL CONNECTION 2000 PAGE. HOWEVER, I WILL ASK OUR NETWORK ADMINISTRATOR TO PREPARE A RESPONSE TO THIS SPECIFIC QUESTION.

10. Section 3.0: INSTALLATION, CONFIGURATION, AND TESTING SERVICES "If racks are supplied, the equipment shall be mounted in the same as space allows." Is the RFP requesting that the LAN provider supply racks or will the racks be supplied as needed per site by civicNET members? RACKS WILL BE PROVIDED BY CIVICNET MEMBERS WHEN AND WERE NEEDED. AS AN ALTERNATIVE "ADD-ON" YOU MAY SUPPLY US WITH THE COST OF A STANDARD RACK. RACKS ARE KNOWN TO EXIST AT ALL THREE ICC CAMPUSES AND THE PEKIN PUBLIC SCHOOLS.

If racks are not needed or plausible ("as space allows") at all sites is there information available as to quantity of closets with racks, type of rack, closet conditions of non-rack closets, etc.? AT MOST, THERE WILL BE A NEED FOR 36 RACKS. THE SUPPLY OF RACKS—BASED UPON YOUR ALTERNATIVE ADD-ON COSTS WILL BE NEGOTIATED AT THE TIME OF BID AWARD. THESE RACK COSTS SHOULD NOT BE SHOWN IN SCHEDULE 1 BUT APPENDED TO THE SAME FOR REFERENCE.

11. SECTION 3.0 INSTALLATION, CONFIGURATION, and TESTING SERVICES. Will the testing procedure define and constitute the acceptance and completion criteria? If so, is a list of this criteria available?

WITH THE DARK FIBER TESTED AND MEETING SPECIFICATIONS FOR THE TRANSMISSION OF THE LIGHTWAVE SIGNAL, THE HARDWARE, GENERALLY, WILL BE CONSIDERED TESTED AND OPERATIONAL WHEN:

(A) A DIRECTLY ATTACHED 25Mbps ATM WORKSTATION WITH APPROPRIATE NIC CARD IS ABLE TO 'PING' THE FIREWALL AND

MAIL SERVERS OF THE PEKIN PUBLIC SCHOOLS OR OTHER DESIGNATED DEVICE;

- (B) A LAN ATTACHED WORKSTATION—BOTH TOKEN-RING AND ETHERNET IS ABLE TO 'PING' THE FIREWALL AND MAIL SERVERS OF THE PEKIN PUBLIC SCHOOLS OR OTHER DESIGNATED DEVICE;
- (C) WORKSTATIONS FROM BOTH (A) AND (B) ABOVE ARE ABLE TO ACCESS THE WORLDWIDE WEB THROUGH THE ISBE-PEORIA POP;
- (D) WORKSTATIONS FROM BOTH (A) AND (B) ABOVE ARE ABLE TO SEND/RECEIVE MAIL FROM A NON-CIVICNET/GLOBAL CONNECTION 2000 SOURCE; AND,
- (E) REGARDING THE VANS, AN MPEG-2 VIDEO SIGNAL IS TRANSMITTED FROM ICC-EAST PEORIA TO EACH OF THREE LOCATIONS: WASHINGTON HS, TREMONT HS, AND DELEVAN HS.

12. Is there any requirement for skills transfer or training? PROVIDER SHOULD SHOW AS AN ALTERNATIVE ADD-ON THE COST OF BOTH SKILLS TRANSFER AND TRAINING. THESE COSTS SHOULD NOT BE SHOWN IN SCHEDULE 1 BUT RATHER ON A SEPARATELY ATTACHED SHEET TO SCHEDULE 1.

13. Can you further explain how you plan to address the issue of addressing?

This question, other than the funding issue (I know it will come, I'm just not sure when, how much, etc. ) seems to be your most challenging issue. The challenges you face include not only obtaining enough addresses from ISBE, managing these addresses, but also incorporating the present address schemes of several independent entities. In projects of this scope, we usually recommend NAT (Network Address Translation) at the edge (the individual schools), and some type of DHCP at the core (Pekin). NAT will allow the schools to maintain their current address schemes, but use the leased addresses from ISBE for internet activity.

THE ANSWER TO THIS QUESTION WILL BE FORTHCOMING. NO DETERMINATION HAS BEEN MADE AS OF THIS WRITING. CURRENTLY UNDER REVIEW AT THE AREA 3 TECHNOLOGY HUB.

14. What is the LAN infrastructure at each of the schools?

- Specifically, are they Token Ring? Ethernet? Fast Ethernet? Other?
- Is this shared, or switched media?
- Is there an uplink port available for connecting to a WAN edge device (Like an ethernet switch port that you can connect to a router? (or a hub/ MAU/ CAU port)
- What is the make / model of this device?
- Do you currently use a router? Make/ Model/ Are there any ports / slots not

being used?

THE DATA COLLECTED AND REPORTED BELOW IS INCOMPLETE AND UN-VERIFIED. PROVIDER SHOULD RESPOND BY QUOTING A NEW ROUTER FOR EACH LOCATION ALONG WITH A MINIMUM 25Mbps UP-LINK FOR THE APPROPRIATE ATM SWITCH.

School	LAN Type	Shared / Switched	Available Uplink Port	Make / Model	Router	Available Ports / Slots
N-P/M-H Dist 102						
Rogers GS	Fast Ethernet	Switched	YES	Linksys 10/100	Cisco 1600	YES
Georgetown	Fast Ethernet	Switched	YES	Linksys 10/100	Cisco 2500	YES
Marquette GS						
Morton Dist 709						
Morton HS	Fast Ethernet	Switched	NO	100VGanylan	NO	
Morton JHS	Fast Ethernet	Switched	NO	100VGanylan	NO	
Lettie Brown	Token-ring	Shared	NO	?	NO	
""	Ethernet	Shared	NO	?	NO	
Lincoln GS	Token-ring	Shared	NO	?	NO	
""	Ethernet	Shared	NO	?	NO	
Jefferson GS	Token-ring	Shared	NO	?	NO	
""	Ethernet	Shared	NO	?	NO	
Grundy GS	Token-ring	Shared	NO	?	NO	
""	Ethernet	Shared	NO	?	NO	
E. Peoria HS	Fast Ethernet	Switched	YES	3COM Superstack II Switch 3000	Cisco 2501	NO
Pekin HS	Fast Ethernet	Switched	YES	Cisco	Cisco 2514	NO
Tremont						
Tremont Elem	10 Base-T	Shared	YeES	HP AdvanceStack J2601b	NO	NO
Tremont HS	Fast Ethernet	Switched	YES	Unknown	NO	NO
Deer Creek-Mackinaw						
Mackinaw HS	Fast Ethernet	Switched	YES	Cisco 3640		
Mackinaw GS	Fast Ethernet	Switched	YES	Cisco 2514		
Deer Creek GS	Fast Ethernet	Switched	YES	Compaq 2824		
Midwest Central						
Manito HS	Fast Ethernet	Switched	YES	IBM 8222-016	Adtron TSU	NO
Green Valley GS						
Creve Couer GS						
Parkview GS	Fast Ethernet	Switched	YES	TBA	Cisco 2500	?
LaSalle GS	Fast Ethernet	Switched	YES	TBA	Cisco 2500	?
Homewood Hghts. GS	Fast Ethernet	Switched	YES	TBA	Cisco 2500	?
Rankin GS						
So. Pekin GS						
East Peoria GS District #86						
Armstrong GS						
Bolin GS						
W. Wilson GS						
Glendale GS						
Lincoln GS						
Robein SD						
Washington HS						
Washington Dist #50						
John Hensey GS						
Beverly Manor GS						
Washington Dist #51						
Washington MS						
Washington GS						

15. CONTRACT AWARD FOR EACH RFP: PROVIDER IS REMINDED THAT AWARD OF CONTRACT IS CONTINGENT UPON RECEIPT OF FULL FCC USF DISCOUNTS IDENTIFIED BY PROVIDER IN THE PREPARATION OF HIS/HER RFP RESPONSE. ADDITIONALLY, AWARD IS FURTHER CONTINGENT UPON EACH CIVICNET MEMBERS FULFILLMENT OF THEIR CONTRACTUALLY PLEDGED DOLLARS—DUE APRIL 30, 1998. ABSENT EITHER MEMBERS CONTRACTUALLY OBLIGATED PLEDGE FULFILLMENT OR FCC USF DISCOUNTS, THE PEKIN PUBLIC SCHOOLS AS ADMINISTRATIVE AND FISCAL AGENT FOR CIVICNET MAY UNILATERALLY WITHDRAWAL FROM ANY AND ALL CONTRACTS WITHOUT PENALTY.

CONTRACTS REQUIRING FCC-USF FUNDING WILL BE ENTERED INTO ON OR BEFORE THE 14<sup>TH</sup> OF APRIL, 1998. IT IS THE INTENT OF THE PEKIN PUBLIC SCHOOLS TO TAKE ACTION ON ALL CONTRACTS ON OR BEFORE THURSDAY, APRIL 2, 1998.

HARDWARE COMPATIBILITY TESTING—INTEROPERABILITY—WILL OCCUR DURING THE PERIOD MARCH 25 – MARCH 31. PROVIDERS SHOULD HAVE EQUIPMENT EQUAL TO THAT BID AVAILABLE FOR SUCH TESTING.

16. This Addendum #2 and associated changes to Exhibit #1 shall be made on or before the end of the day, March 16, 1998.

END OF ADDENDUM #2