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January 11, 2005

**BISD TELEPHONE RFP ADDENDUM #2**

This addendum documents the clarifications, questions, answers and statements since the **BISD TELEPHONE RFP** release.

**Due Date Extension: Cover Sheet, Page 6 and any other reference to opening date shall be changed from January 20, 2005 to January 24, 2005 at 2:00 P.M.**

**2.9 Project Manager**

The vendor will provide a full-time Project Manager.

Clarification: The vendor will have a full time employee to serve as the Project Manager for this project.

**2.19 Safety Information Requirements**

Page 16, Contact information for district contact for safety information is:

Louis Thrush  
 Environmental Specialist  
 933-4557  
 lthrush@bisd.net

**3.1.2 Existing Campus Information**

	<b><u>CAMPUS</u></b>	<b><u>ADDRESS</u></b>	<b><u>CITY</u></b>	<b><u>TX</u></b>	<b><u>ZIP</u></b>
1	Belton Administration Office	616 E 6th Ave	Belton	TX	76513-2707
2	Belton Education Development Center	501 E 4th Ave	Belton	TX	76513-3111
3	Belton High School	600 Lake Rd	Belton	TX	76513-1406
4	Belton Intermediate School	1704 Sparta Rd	Belton	TX	76513-8419
5	Belton Special Education	1100 Industrial Blvd	Belton	TX	76513-1926
6	Belton Junior High East	501 E 4th Ave	Belton	TX	76513-1418
7	Belton Junior High West	400 N Wall St	Belton	TX	76513-3143
8	Joe M Pirtle Elementary School	714 S Pea Ridge Rd	Temple	TX	76502-5136
9	Lakewood Elementary School	11200 FM # 2305	Belton	TX	76513-5390
10	Leon Heights Elementary School	1501 N Main St	Belton	TX	76513-1907
11	Miller Heights Elementary Schl	1110 Fairway Dr	Belton	TX	76513-4050
12	Southwest Elementary School	611 South Saunders St	Belton	TX	76513-3740
13	Sparta Elementary School	1800 Sparta Rd	Belton	TX	76513-5197
14	Tarver Intermediate School	8818 Tarver Dr	Temple	TX	76502
15	Waskow Leadership Academy	320 N Blair St	Belton	TX	76513-3102
16	Support Services	1220 Huey Drive	Belton	TX	76513
17	Print Shop	602 E. 3 <sup>rd</sup> Street	Belton	TX	76513

## Addendum Table 1.0 Existing Campus to Future Campus Alignment

	<u>EXISTING CAMPUS</u>	<u>NEW CAMPUS</u>	<u>ADDRESS</u>	<u>CITY</u>
1	Belton Administration Office	Move to Belton Junior High West	616 E 6th Ave	Belton, TX
2	Belton Education Development Center	Move to Belton Junior High West. Current space becomes Central Elem. and Early Childhood	501 E 4th Ave	Belton, TX
3	Belton High School	Expansion-30 Classrooms and Renovations	600 Lake Rd	Belton, TX
4	Belton Intermediate School	Convert to Middle School and add Classrooms	1704 Sparta Rd	Belton, TX
5	Belton Special Education	No Change	1100 Industrial Blvd	Belton, TX
6	Tarver Intermediate School	Convert to Middle School and add Classrooms.	8818 Tarver Dr	Temple
7	Belton Junior High East	Convert to Central Elementary and Early Childhood	501 E 4th Ave	Belton, TX
8	Belton Junior High West	Administration/Curriculum/Tech (Including NOC)	400 N Wall St	Belton, TX
9	Joe M Pirtle Elementary	No Change	714 S Pea Ridge Rd	Temple
10	Lakewood Elementary School	Expansion Classrooms	11200 FM # 2305	Belton
11	Leon Heights Elementary	No Change	1501 N Main St	Belton
12	Miller Heights Elementary Schl	Renovations	1110 Fairway Dr	Belton
13	Southwest Elementary School	No Change	611 South Saunders	Belton
15	Sparta Elementary School	Expansion - Classrooms	1800 Sparta Rd	Belton
16	Waskow Leadership Academy	No Change	320 N Blair St	Belton
17	Printshop	No Change	602 E. 3 <sup>rd</sup> Street	Belton, TX

Clarification: The Network Operation Center will be located in the New Administration Building converted from Belton Junior High West at 400 N. Wall St.

### 3.2 Functional Specifications

8. provide a communication solution for extension to cellular.

Clarification: Extension to cellular is not a required featured. Please document if included within proposed solution.

### 3.3 Technical Specifications

4. provide telephones and voice mail for all staff and classrooms in Belton Junior High,

Clarification: 4. provide telephones and voice mail for all staff and classrooms in Belton Middle School.

5. provides telephones for the new classrooms provided within the bond program at Tarver Junior High,

Clarification: 5. provide telephones and voice mail for all staff and classrooms in Tarver Middle School.

**Table 3.3.1 Phase I Bond Program Requirements Addendum Update**

Site	SYSTEM			PLEXAR		District System	
	WAN Connection	Current System	Action Required	Current Handsets	Current	Proposed	Needed
Belton H.S.	Secondary NOC (SNOC)*	BCM	Upgrade or Replace****	12	156	195	39
Tarver Middle School	TARVER NODE**	Option 11	Integrate	0	69	83	18
Belton Middle School	SNOC	Plexar	New Install	26	0	84	84
Pirtle Elementary	Tarver	Option 11	Integrate	0	56	56	0
Administration, Technology and Education Development Center Complex	Backbone Node -Primary NOC (PNOC) ***	Plexar	New Install				
Admin	PNOC	Plexar		38	0	38	38
EDC	PNOC	Plexar		21	0	21	21
Technology (Currently in BHS)	PNOC	Plexar		10	0	10	10
Waskow	PNOC	Plexar	New Install	17	0	22	22
<b>PHASE I TOTALS</b>				<b>124</b>	<b>281</b>	<b>508</b>	<b>227</b>

\* The High School MC serves as the Secondary NOC for district.

\*\* Tarver is a WAN Backbone Node and supports Lakewood and Pirtle Elementary.

\*\*\*The district NOC is located in the Administrative Complex.

\*\*\*\*The current BCM will not support the growth requirements of the campus.

**Phase II. District-wide System Phase**

1. Replace all existing Plexar handsets and services within the remaining facilities.

**Table 3.3.2 Phase II District Wide System Requirements**

Site	SYSTEM			PLEXAR		District System	
	WAN Connection	Current System	Action Required	Current Handsets	Current	Proposed	Needed
Stadium and ancillary buildings	PNOC	Plexar	Off of PNOC Switch	6	0	6	6
Print Shop and Wood Shop Building (Connects to Waskow HS.)	PNOC	Plexar	New Install	5	0	5	5
Transportation/Special Ed.	SNOC	Plexar	New Install	30	0	30	30
Support Center	PNOC	Plexar	New Install	29	0	29	29
Sparta	SNOC	Plexar	New Install	17	0	17	17
Leon Heights	PNOC	Plexar	New Install	16	0	16	16
Miller Heights	PNOC	Plexar	New Install	17	0	17	17
Southwest	PNOC	Plexar	New Install	17	0	17	17
Lakewood	Tarver	Plexar	New Install	20	0	20	20
Central Elem/Early Childhood	PNOC	Plexas	New Install	18	0	18	18
<b>PHASE IITOTALS</b>				<b>175</b>	<b>0</b>	<b>175</b>	<b>175</b>

Phase III. Classroom Rollout Phase

- Provide telephones in all remaining classrooms within the district.

**Table 3.3.3 Phase III Classroom Rollout Requirements**

<b>PHASE III: CLASSROOM ROLLOUT REQUIREMENTS</b>							
Site	SYSTEM	PLEXAR	District System				
	WAN Connection	Current System	Action Required	Current Handsets	Current	Proposed Total	Needed
Sparta	SNOC		Classroom		17	46	29
Central Elem./Early Childhood Center	PNOC		Classroom		18	56	38
Leon Heights	PNOC		Classroom		16	31	15
Miller Heights	PNOC		Classroom		17	41	24
Southwest	PNOC		Classroom		17	44	27
Lakewood	Tarver		Classroom		20	54	34
<b>PHASE III TOTALS</b>					<b>105</b>	<b>272</b>	<b>167</b>

**3.3.1 Communication Devices for System and Handset Requirements**

The vendor should provide a description and specifications of all type of handsets and communication devices available with the system. In addition, the response should include a cost breakdown of the communication devices and differentiate between license and handset cost.

<b>PHASE I: Bond Program Phone Requirements</b>				
Site	Office Console Secretary	Multi-line Admin	Single Line	TOTAL
Belton H.S.	2	28	9	39
Tarver Middle School	2	2	12	14
Belton Middle School	2	13	69	83
Pirtle Elementary School				
Administration, Technology and Education Development Center Complex				0
Admin	1	37	0	38
EDC	1	4	16	21
Technology (Currently in BHS)	1	9	0	10
Waskow (& AEP)	2	4	16	22
<b>PHASE I TOTALS</b>	<b>11</b>	<b>97</b>	<b>122</b>	<b>227</b>

<b>PHASE II: Plexar Replacement Phone Requirement</b>				
Site	Office Console Secretary	Multi-line Admin	Single Line	TOTAL
Stadium and ancillary Buildings	0	0	6	6
Woodshop and Printshop	0	2	3	5
Transportation/Special Ed.	1	14	15	30
Support Center	1	14	14	29
Sparta	2	4	11	17
Leon Heights	2	4	10	16
Miller Heights	2	4	11	17

<b>Southwest</b>	2	4	11	17
<b>Lakewood</b>	2	4	14	20
Central Elementary/Early Childhood	2	4	12	18
<b>PHASE IITOTALS</b>	<b>14</b>	<b>54</b>	<b>107</b>	<b>175</b>

<b>PHASE III: Classroom Phone Requirement</b>				
<b>Site</b>	<b>Office Console Secretary</b>	<b>Multi-line Admin</b>	<b>Single Line</b>	<b>TOTAL</b>
Sparta	0	0	29	29
Central Campus/Early Childhood Center	0	0	38	38
Leon Heights	0	0	15	15
Miller Heights	0	0	24	24
<b>Southwest</b>	0	0	27	27
Lakewood	0	0	34	34
<b>PHASE III TOTALS</b>	<b>0</b>	<b>0</b>	<b>167</b>	<b>167</b>

Addendum Table 2: Fax Requirements

<b>Site</b>	<b>Existing Fax</b>	<b>Growth Fax</b>	<b>TOTAL</b>
Belton H.S.	4	2	6
Tarver Middle School	1	1	2
Belton Middle School	1	1	2
All Elementary Campuses	1	1	2
Administration, Technology and Education Development Center Complex			0
Admin	4	0	4
EDC	2	2	4
Technology (Currently in BHS)	1	0	1
Waskow (& AEP)	1	0	1
Support	3	1	4
Print Shop	2	0	2

The Vendor should identify the features and functionality listed in Addendum Table 2 that are provided within the proposed solution. Only the features listed in Section 3.2 are required for qualification.

For Reference from RFP

### **3.2 Functional Specifications (Required for submission)**

It is the goal of this project to implement a communication system that supports the following functional requirements. Vendors should identify any exceptions in providing the following functional requirements.

The proposed solution should provide the capacity to meet the immediate and long-term goals of the district as defined in the technology plan and long range facility plan and aligns with the district's strategy for using telecommunications and information technology to improve student academic achievement and teacher effectiveness as provided within this RFP and the following solutions. The proposed solution will:

1. integrate the existing telephone systems and new service into a district wide system.
2. reduce reoccurring cost to the district by utilizing the district’s LAN and WAN for the transport network.
3. provide a solution that has redundancy for call processor services.
4. provide remote survivability for telephone services in the event the WAN is unavailable..
5. provide growth, scalability and performance consistency for the high school system.
6. allow for system administration of “ringing in the classrooms”.
7. support the paging functionality in the high school classrooms.
8. improve parent and community communications.
9. support and enable emergency response and crisis management procedures.

Please complete the following Table and include with response. An Excel spreadsheet is included for your convenience.

Addendum Table 3: System Features and Functionality

	<b>Proposed Telephone Manufacturer Provides Solution</b>	<b>If No, Available through Certified Third Party</b>	<b>Vendor Has Prior Experience in Implementation of Solution</b>
<b>Features and Functionality</b>	Yes or No	Yes or No	Yes or No
<b>3.3.2 The solution must allow for system administration of “Ringing in the Classroom”:</b>			
1. Classroom handsets should be set to auto DND for certain classes of inbound calls during facility scheduled instructional times.			
2. Virtual handsets of teachers should be set to auto DND for certain classes of inbound calls during teacher scheduled instructional times.			
3. System should allow for DND to be changed on demand by district determined class of users (Administrative, Teacher, System Admin).			
4. Allows specific classes of calls to ring in classroom, such as Administration, Principal, attendant. Emergency Response Provider, or to access teacher voice mail by choice.			
5. Allow for auto-DND over-ride feature.			
6. Auto DND should be available for Time of Day, Day of Week. And Time of Year.			
7. Auto DND should not restrict the use of handsets in classroom as paging devices.			
8. Messages Light Indicator on all handsets for voice mail messages.			
9. The solution must allow for system administration of communication rights			
10. System should allow the district to determine the authorizations or prohibitions of calls from users, handsets or virtual handsets based on teacher or facility scheduling.			
11. System should allow the district to determine the communication rights of users and handsets concerning direct local calls, outgoing call, incoming calls and transfers based on class of service.			

<b>3.3.3 Auto DND Implementation Requirements</b>			
1. Administration of Auto-DND must be automated and administered from the system level.			
2. Auto-DND scheduling should be available by individuals, group, class of user, or handset service definitions.			
3. Alignment of MLPP features and functionality with district access requirements.			
<b>3.3.4 District requirements for Directory Services</b>			
1. The solution must provide a real-time directory available from handsets or network devices (pc, handhelds, PDAs) with following features:			
a. Multi-criteria Search			
b. Personalized Web interface.			
c. Dial from Directory			
d. Integrated into unified communication system to support all district stakeholder connection information and a single point of directory access for telephone numbers, email, voice mail, or fax.			
2. The solution should allow for integration into classroom management system for ease of access for education:			
a. System generated personalized directories with district determined criteria such as students/parents, campus personnel or team personnel			
b. Allow individuals to modify personnel directories.			
<b>3.3.5 Emergency Response and Crisis Management Support</b>			
1. The solution should provide a documented, tested, E911 solution and provide requirements for long term maintenance and workflow process.			
2. Automated and priority routing			
3. 911 Notification to multiple users with system information.			
4. Malicious call trace and malicious call trace logging			
5. Classes of Restriction			
6. Media Encryption			
7. Security Violation Notification			
8. Automate and trace emergency alerts and responses to enable emergency support to pinpoint the location where help is needed or track where malicious calls originated.			
9. Record phones calls for internal and external calls.			
<b>3.3.5 Features required at High School and currently provided with existing system.</b>			
1. Support live all-call, zone and district-wide paging.			
2. Real time two way page capability.			
<b>3.3.6 Additional Features for evaluation</b>			
1. Extension Mobility			
2. 802.1x support on IP Phones			
3. Automated Attendant			
4. Hunt Groups			

5. The solution must have a single point of service responsibility for core applications including but not limited to call processing, unified communications, time of day ringing, call recording, and systems management.			
6. Single Entry of user for phone system and voice mail system.			
7. AD Integration/Directory System Integration.			
8. Industry standard handsets such as SIP			
9. Provide capability to allow priority calls to get through based on class of service.			
10. Audio Conferencing			
11. Notification of calls from attendant based on class of service.			
12. Unified Messaging solution with Fax services included.			
13. Communication Devices support IEEE 802.3af Power over Ethernet			



Questions:

1) Network diagram of BHS/BIS - Do you want the core switch to be displaced? Or re-used?

A core switch should be proposed to support the High School facilities, Belton Middle School, Sparta Elementary School and secondary servers installed in this site as the Secondary Network Operation Center. This will include the secondary call processor, possibly Internet, backups.

2) There is a core link to the WAN, and a cluster of switches in the MDF (of the High School)? Or are they in different closets?

The WAN (SNOC) facility and the MDF of the High School are the same location.

3) Do they own the fiber between the facilities? Or is it subscribed from SBC?

The proposed plan is to use private fiber between the campuses and the backbone nodes, and to use SBC Gigaman circuits between the PNOC (Admin Complex), SNOC (High School) and Tarver Node.

4) We also would like to know what the customer is expecting to see. A fork-lift upgrade? Utilizing some of the existing infrastructure?

The vendor should utilize existing layer 2 switches that can provide the technical level of service to support the district.

5) Does the district plan to use IP telephones.

YES

6) At the High School if we are moving the BCM out, we will need to replace the phones. I know there are some IP phones at the HS, but I didn't know if the LAN will support 109 more IP sets or not?

The network will be upgraded to support the number of IP phones required if an IP phone solution is selected.

7) Also, at Tarver and the Jr High, are the new sets to be digital sets or IP sets? Same issue as the High School. Will the LAN support the IP sets?

The network will be upgraded to support the number of IP phones required if an IP phone solution is selected.

8) On this technology team that will evaluate proposals, who is the manufacturer's engineer you are referring to?

A technical engineer from the manufacturer of the proposed solution will evaluate the proposal as one of four evaluation teams for technical design compliance.

9) Question on Nortel's recommendation to utilize a Branch Office at all sites that will have greater than 50 users, rather than the SRG.

The respondent is to determine the best technical design and recommendation for the district.

10) Would the district consider a proposal to move the BCM to a smaller site and installation of a new switch to support the high school?

Yes, the district would consider this proposal; however, the paging functionality provided by the BCM will have to be replaced.

11) It appears that the quantities were accidentally omitted from all of the listings for the Data bill of materials.

Updated BOM Design Guide is included with this RFP.

12) It appears that the quantities were accidentally omitted from the Belton H.S. New Succession listing (p.4), Sparta Branch Office (p.5), Support SRG New (p.6).

Updated BOM Design Guide is included with this RFP.

13) The Net 6 is still missing the Paging Module, unless it has been decided by the district that they will be using an external paging system.

If the vendor is proposing The Net 6 solution for paging in the High School or through the district, a complete solution should be provided within the proposal. All BOM are design guides and it is the responsibility of the respondent to include all items within their proposal for a total solution and design.

14) Shouldn't Power Over Ethernet Switches be included into the Bill of Materials? .

If a VOIP solution is proposed, the vendor should define the requirements for power to the telephones. The district will evaluate POE options.

15) Do you think that after they select the vendor that we would be able to go over all the options and potential challenges before finalizing the config?

Clarification and review will be conducted with the vendors identified as the Best and Final proposals.

16) A primary concern I have is the support for inline power by the district keeping so many of the existing Baystacks. Even if we put an inline power switch or two in each closet, the district inadvertently ends up in the "provisioning" business where Network Services has to "make hot" drops as user move phones.

The district will not replace all switches with POE switches. Powered ports will be made available in each closet for the required phones.

17) Another question I have is whether the UPS's are big enough to support the equipment proposed if we do inline power switches.

The UPS's will be evaluated with the selected vendor based on requirements of the solution.