

**CITY OF PALMER
ACTION MEMORANDUM NO. 13-017**

Subject: Authorize the City Manager to Negotiate and Execute a Contract with ATS Alaska in the Amount of \$38,363 for the Council Chambers Sound and Electronic Recording System Project

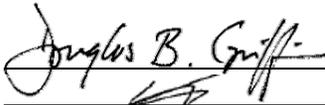
Agenda of: July 9, 2013

Postponed to August 13, 2013

Council Action: Postponed to July 23, 2013

Authorized in the amount of \$32,301 to reflect the revised bid amount

Approved for presentation by:

City Manager _____
 City Attorney _____
 City Clerk _____



Certification of Funds:

Total amount of funds listed in legislation:	\$	38,363
This legislation (√):		
<input type="checkbox"/> Has no fiscal impact		
Creates:		
<input checked="" type="checkbox"/> A negative fiscal impact in the amount of:	\$	38,363
<input type="checkbox"/> A positive fiscal impact in the amount of:	\$	
<input checked="" type="checkbox"/> Funds are budgeted.		
Funds originally budgeted in 09-01-10-6052:	\$	28,750
Funds originally budgeted in 08-50-02-6102:	\$	13,026
Total of both funds:	\$	41,776
Difference in budgeted funds:	\$	3,413
Funds are budgeted from this (these) line item(s):		
➤ 09-01-10-6052 and 08-50-02-6102	\$	38,363
➤	\$	
<input type="checkbox"/> Funds are not budgeted.		
Budget amendment required in the total amount of:	\$	
Affected line item(s):		
➤	\$	
➤	\$	
Unrestricted/undesignated fund balance (after budget modification)	\$	
Director of Finance signature certifying funds:		

Attachment(s):

- ATS Alaska Bid Proposal
- Council Chambers Sound and Electronic Recording System Project Bid Specifications

Summary statement: On April 29, 2013, the Clerk's Office issued a Bid Request for the Council Chambers Sound and Electronic Recording System Project. That bid closed on May 14, 2013. There were no bidders.

On May 21, 2013, the Clerk's Office issued a second Bid Request. The bids closed on June 12, with two bidders – ATS Alaska and Precise Digital. Due to the incomplete nature of Precise Digital's bid, it was deemed nonresponsive. ATS Alaska is the apparent responsive, low bidder.

The project will consist of a complete upgrade of the current council chambers sound and recording system. This upgrade will integrate and improve the teleconferencing capabilities as well. The project will also consist of an electronic timer, as well as installation, training, operations and maintenance of the system.

Funding for the project is located in two line items within the capital budget. The first line item is 09-01-10-6052 Clerk/Council Equipment, with an amount of \$28,750. The second line item is 08-5-02-6102 Record Center: Records Management, with an amount of \$13,026. This line item funded the records center project and because it came in under budget, the money was "held" to help fund the council chambers project.

ATS Alaska has installed systems in council and school board chambers throughout Alaska. They are currently involved on several major upgrades in schools this summer. Due to their workload, it is anticipated they will begin on the City's project in late August, early September.

Administration recommendation: Approve action memorandum 13-017.



Project/location: Palmer Chambers Recording System, Rev 1 Bid date: 8/6/13

To: Janette Bower
Company: City of Palmer
Phone:
Fax:

From: Bill Fair
Company: ATS Alaska
Phone: 907-375-4107
Fax: 907-868-5123

We propose to engineer, furnish, program and start-up the following low-voltage/facility systems for the above referenced project. Installation will be by ATS Alaska. The project will be executed based on the plans dated N/A, acknowledges addendum/a __ and the following specification sections:

- Sound System

Total Bid: \$32,301.00

Table with 2 columns: Item Name, Price. Rows include Sound System (\$18,221), Recording System (Included in Sound System) (\$0), Count Down Timer (\$1,982), and Installation, Training, Operations & Maintenance (\$12,099).

Remarks (the following inclusions, exclusions and clarifications apply specifically to this project):

- All Material FOB Job Site.
• We are not using an electrical contractor to install the equipment we are doing installation ourselves.
• All equipment being provided is professional commercial grade.
• We will need a power outlet at the main rack.
• Owners phone system will be used to transfer calls to the new sound and recording system, it must be an analog line. VOIP is an option if that is what is available.
• All surface wiring will mount in wire mold where possible. Wire run under the floor will be run in J hooks. Wire between conference units will be strung between them and exposed. If wire needs to run on the floor we will provide mats to cover the wire.
• We will not be able to start installation till sometime in September at the earliest.
• We will provide 11 new wired microphones with 18" goosenecks.
• We will provide 1 wireless handheld microphone.
• Microphones can be programmed so that only one microphone will be active or up to 4 at a time. Chairman microphone will have priority over all other microphones.
• We will provide a 36" rack to house our equipment.
• The conferencing system has built in recording.
• Countdown timer will be controlled with a handheld wireless remote.
• The products listed are a basis of design, during engineering products may change. We will submit all products we are using and provide a one line drawing and hand sketch of the room layout.
• The headend will need a network connection to allow client software to be installed on owner's computer.

Exclusions (unless specifically included in the remarks section above, the following standard exclusions apply):

- Bonds, taxes (unless itemized above with base bid), fire watch, demolition, asbestos abatement, providing high lift devices, cutting/patching/painting, phone line for modem, development of auto-cad floor plans (usually available from architect or consultant).

General Terms & Conditions:

- Price valid for 60 days from date of quote.
• Standard warranty 1 year parts and labor or as required in specifications. Warranty takes effect upon substantial completion defined as beneficial use of the system. Excludes acts of God or damage caused by others, etc.
• Payment Terms, Net 30.

If a contract or purchase order will be issued for this scope of work, please reference this proposal in the contract documents OR sign the proposal below authorizing us to proceed. In order for us to proceed we will also need a full set of conformed plans & specs, a project schedule and an electronic copy of auto-cad floor plans. Thank you for your consideration.



Proposal Submitted by:	Proposal accepted by (signature):
Name: Bill Fair	Name (print):
Title:	Title:
Date: 8/6/13	Date:

Bill of Materials

Sound System

Manufacturer	Description	Quantity
Biamp	NEXIA 8 wide-band Sona™ AEC inputs, 2 mic/line inputs, 4 mic/line outputs, & telephone interface. DSP for teleconferencing applications	1
Biamp	8 selectable levels on single-gang rotary encoder panel	1
QSC	Contractor power amplifier/ 2 channel, 200 watts/ch at 8 , 300 watts/ch at 4 , 70V/mono at 600 Watts	1
Bosch	CCS900 chairman unit with long microphone	1
Bosch	CCS900 delegate unit with long microphone	11
Bosch	Control Unit w/Recorder (SD Card NOT INCLUDED) and DAFS (digital acoustic feedback suppressor)	1
Bosch	DCN/CCS cable clamps (25 pieces)	1
Bosch	Extension cable assembly, 5 m	10
Bosch	Extension cable assembly, 10 m	4
Bosch	CCS rack-mounting set	1
ScanDisk	SD Card	2
QSC	Surface mount speaker, 8" weather resistant, 2-way, 90° x 60° rotatable. Choose from the mounting options listed below, available in black or white	2
QSC	IntelliDock mounting system for AD-S82, available in black or white	2
Audio Technica	Wireless ATW-R3100b receiver and ATW-T371b handheld cardioid condenser microphone/transmitter. Includes AT8456a Quiet-Flex™ stand clamp.	1
Lowell	Rack-Portable-14U, 22in Deep, Solid Door, Black	1
Atlas	RF Filter, Mov Ind, 6 Out (Rear), 1 (Front)	1
RCI	Custom I/O panel and controls Plate, Rack Mount	1
Westpenn	2 COND 16 (19X29) BARE CMP	1

Count Down Timer

Manufacturer	Description	Quantity
American Time & Signal	Countdown Timer, With Remote Control	1

CCS-CMx CCS Chairman Unit

www.boschsecurity.com



BOSCH
Invented for life



- ▶ Incorporates all functions of the CCS-Dx CCS Delegate Units (with the exception of the Possible-To-Speak functionality/LED)
- ▶ Priority button for chairman microphone
- ▶ Temporary or permanent muting of delegate microphones
- ▶ Optional chime tone facility for preceding chairman announcements
- ▶ Modern, unobtrusive styling to match the CCS-Dx CCS Delegate Units

The CCS-CMx CCS Chairman Units are equipped with enhanced functionality that enables the user to take the role of chairman in a conference or meeting.

Functions

Priority button for chairman microphone

In addition to the 'microphone on' button the chairman units feature a 'chairman priority' button. When pressed the priority button causes all currently active delegate microphones to be temporarily or permanently muted.

Temporary or permanent muting of delegate microphones

The 'chairman priority' button can be set to mute delegate microphones on a temporary or permanent basis. On the temporary setting, delegate microphones are muted only as long as the chairman has the priority button pressed down. On the permanent setting delegates must reactivate their microphone after a 'chairman priority' announcement by pressing the 'microphone on' button on their delegate unit. Activation of the permanent mute option is carried out by setting an internal switch, which can be accessed by removing a small plastic plate on the base of the chairman unit.

Optional chime tone facility for preceding chairman announcements

An optional chime tone can be selected to precede chairman priority calls. Activate the chime tone option by setting an internal switch; this can be accessed by removing a small plastic plate on the base of the chairman unit.

Standard or extended length microphone stems

The chairman units are available with standard 313 mm (12.3 in) or extended 488 mm (19.2 in) microphone stem lengths.

Controls and Indicators

- Microphone on/off button
- Chairman priority button
- Rotary volume control for adjusting headphone volume
- Loudspeaker, automatically muted when microphone is on and/or headphones are connected
- Internal switch for selection of chairman announcement chime tone
- Internal switch for temporary or permanent muting of delegate microphones when chairman priority button is pressed
- Microphone has 'on' indicator (red LED)
- Light ring indicator on microphone stem, lights up red when microphone is on

- No Possible-To-Speak functionality and indicator is required because a Chairman Unit can always switch-on the microphone, no matter the number of delegates speaking

Interconnections

- 1 x 2 m (78.7 in) cable terminated with a molded 7-pole circular male connector, for loop-through interconnection to delegate unit or Control Unit
- 1 x 7-pole circular female connector for loop-through interconnection to delegate units
- 2 x 3.5 mm (0.14 in) stereo headphone sockets

Technical specifications

Mechanical

Dimensions unit without microphone (H x W x D)	71 x 220 x 140 mm (2.8 x 8.7 x 5.5 in)	
Height with microphone in horizontal position	134 mm (5.3 in)	
Length of microphone from mounting surface	CSS-CMS	CCS-CML
	313 mm (12.3 in)	488 mm (19.2 in)
Weight	approx. 1 kg (2.2 lb)	
Mounting	tabletop (portable or fixed)	
Material (top)	polymer	
Material (base)	painted metal	
Color (base)	charcoal (PH10736)	
Color (top)	charcoal (PH10736)	

Ordering information

CCS-CMS CCS Chairman Unit Short Microphone
microphone stem length 313 mm (12.3 inch)
Order number **CCS-CMS**

CCS-CML CCS Chairman Unit Long Microphone
microphone stem length 488 mm (19.2 inch)
Order number **CCS-CML**

DCN-DISCLM Cable Clamp (25 pcs)
25 pieces
Order number **DCN-DISCLM**

Represented by:

Americas:

Bosch Security Systems, Inc.
12000 Portland Avenue South
Burnsville MN 55337, USA
Phone: +1-800-392-3497
Fax: +1-800-955-6831
audiosupport@us.bosch.com
www.boschsecurity.com

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
al.securitysystems@bosch.com
www.boschsecurity.com

Features

- **Contemporary style, weather resistant enclosure and components**—ideal for a wide range of applications
- **8", 2-way system**—in a lightweight, multipurpose enclosure featuring a heavy duty, powder coated aluminum grille
- **IntelliDock™ intelligent mounting system**—consists of a mounting plate and detachable docking station that incorporates termination points for wiring. Benefits include installation ease and reduced chance of enclosure theft
- **Advanced Directivity™ rotatable waveguide**—(90° x 60°) enables the loudspeaker to deliver accurately focused sound, regardless of the enclosure's mounted orientation
- **High and standard power versions**—power handling capabilities suitable for a multitude of environments, with built-in dynamic power protection during overload conditions



The QSC AcousticDesign AD-S82 is a full range, surface mount loudspeaker with sleek, contemporary styling that fits perfectly into multiple environments and applications including hotels, restaurants, convention facilities, and multimedia environments. The speaker incorporates QSC's revolutionary IntelliDock intelligent mounting system (patent pending) combined with the Advanced Directivity rotatable waveguide. Available in black or white, these great sounding, weather resistant enclosures can be painted to match any specific decor.

With both high output and standard versions, the AD-S82 is a 2-way system housed in a ported enclosure made from injection molded, high-impact polystyrene. This enclosure incorporates an 8" weatherproof, LF transducer with a heavy-duty double roll cloth surround. High output versions employ a 1" exit compression HF driver while standard versions provide a 1" pure titanium dome tweeter. Both versions are available with or without a transformer. The HF driver is coupled with QSC's unique Advanced Directivity rotatable waveguide—enabling the loudspeaker to deliver accurately focused sound, regardless of it's mounted orientation.

QSC's new IntelliDock intelligent mounting system raises the bar for contractor speaker ease of installation and security. The IntelliDock docking station combines all the components needed to mount, wire, and position the speaker into a single housing—independent from the enclosure. The speaker enclosure locks onto the docking station in one step, simultaneously making electrical connections and holding the speaker in place. This exceptional design carries the added benefit of security—reducing the possibility of theft. When opening night arrives, snap the enclosures onto the docking stations and feed the program material. A total of three mounting configurations are available—including a standard yoke mount.

Specifications

	AD-S82 (standard output)	AD-S82H (high output)
Configuration	Compact 2-way, ported enclosure	Compact 2-way, ported enclosure
Transducers		
Low-frequency Transducers	8" fiberglass cone, 1 1/4" voice coil	8" high-power treated paper cone 2" voice coil, neodymium magnet
High-frequency Transducer	1" titanium dome tweeter with neodymium magnet	1" high-output compression driver
Frequency Range ¹		
Frequency Response (-6 dB)	85 Hz – 18 kHz	80 Hz – 21 kHz
Useable Frequency Range (-10 dB)	65 Hz – 19 kHz	60 Hz – 22 kHz
Maximum Output ²		
Calculated Peak Output	117 dB SPL	120 dB SPL
Calculated Continuous Output	111 dB SPL	114 dB SPL
Nominal Impedance	8Ω (5.4Ω minimum, 15 kHz, 50Ω maximum)	8Ω (7Ω minimum, 210 Hz, 135Ω maximum)
Power Rating		
RMS Power Handling ³	110 W (8 hours IEC) 90 W (100 hours IEC)	240 W (8 hours IEC) 200 W (100 hours IEC)
Recommended Max Amp Power	180 W RMS	400 W RMS
Power Limiting	Dynamic, full range power protection circuitry activated by signal overload conditions	
Sensitivity	90.5 dB, 1 m, free field	
Nominal Coverage (HV)	90° x 60° (-6 dB) rotatable to 60° x 90°	
Transformers		
Type	Custom low distortion laminated core, wide bandwidth design	
Taps	70V: 60, 30, 15, 7.5, W 100V: 60, 30, 15, W	
Enclosure		
Material	Injection molded, weather resistant, high impact polystyrene	
Finish	White or black (paintable)	
Weather Resistant	Yes	
Grille	Heavy duty powder coated aluminum	
Connectors	Pair of concealed 5-way binding posts, in conjunction with IntelliDock mounting/connection system	
Mounting Hardware	AcousticDesign IntelliDock or Yoke Mount options	
Weight - Net / Shipping	16.9 lb (7.7 kg) / 20.3 lb (9.2 kg)	16.2 lb. (7.4 kg) / 19.6 lb (8.9 kg)

1) All frequency ranges specified refer to measured free field response (full space, 4π)

2) Calculated SPL at 1m, (full space, 4π), speaker operating at rated RMS power with pink noise within specified frequency range

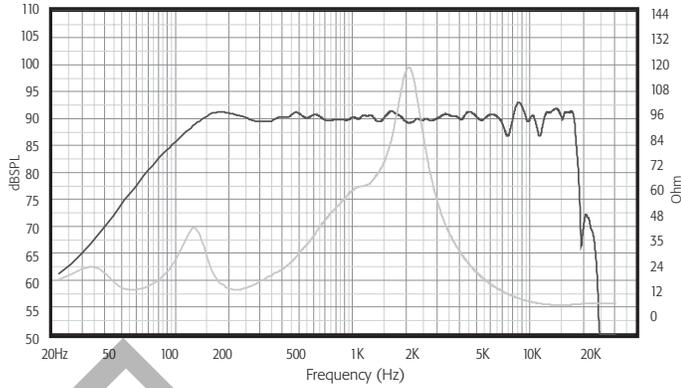
3) Maximum input power tested in accordance with IEC 268-5 recommendations, 50 Hz – 20 kHz band limiting, 6 dB signal crest factor

AD-S82

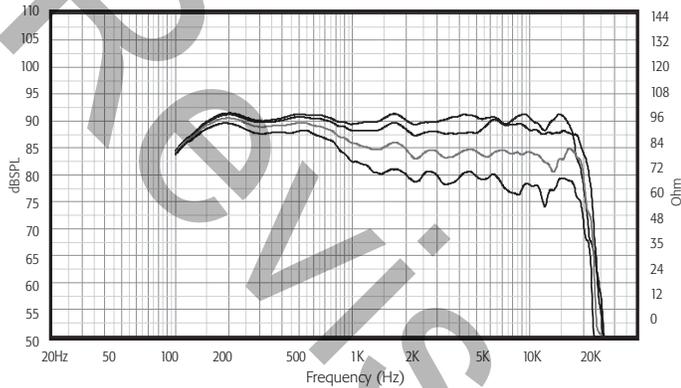
Dimensions | Frequency Response and Impedance

AD-S82

Frequency Response and Impedance*

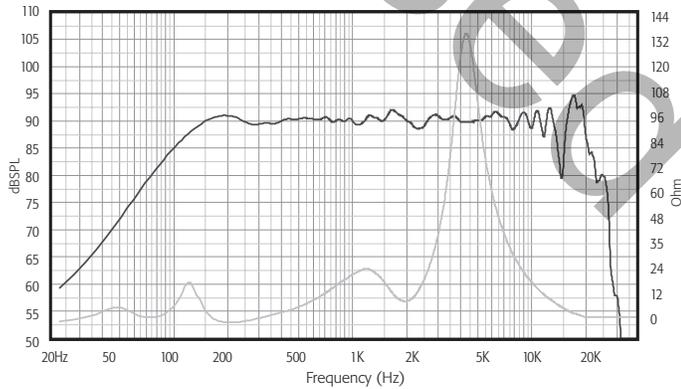


Horizontal Off-Axis and Impedance** (0°, 20°, 40°, 60°)

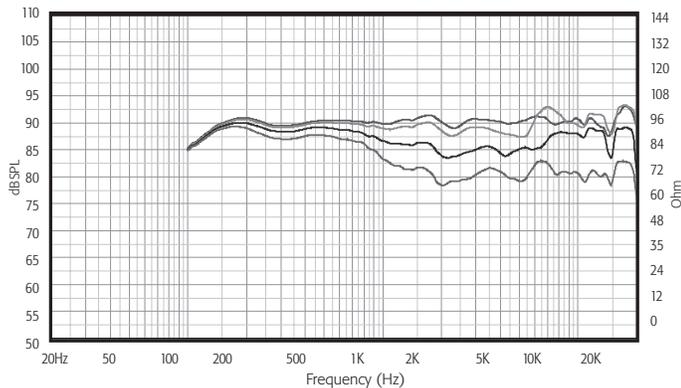


AD-S82H

Frequency Response and Impedance*



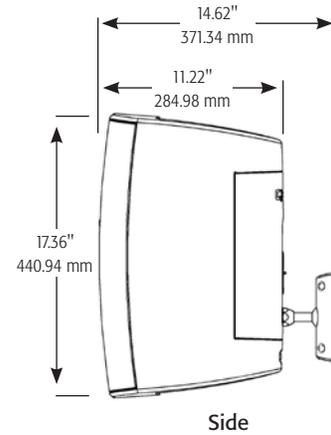
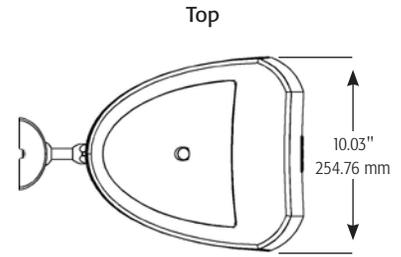
Horizontal Off-Axis and Impedance** (0°, 20°, 40°, 60°)



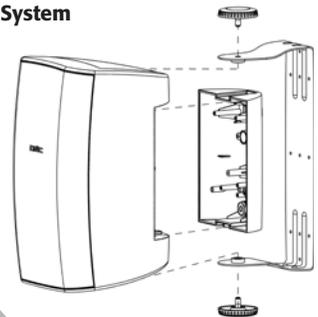
*Graph shows free field SPL at 1 W, 1 m

**1/3rd octave smoothing applied to off-axis curves for clarity

Specifications subject to change without notice.



Yoke Mount System



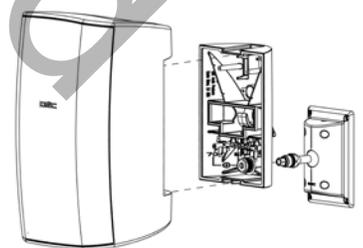
AD-YM8 Yoke Mount

Weight - Net / Shipping 3.7 lb (1.7 kg) / 7 lb (3 kg)

AD-YM8T Yoke Mount with transformer

Weight - Net / Shipping 6.7 lb (3 kg) / 10 lb (4.5 kg)

IntelliDock Mounting System



AD-ID8 IntelliDock

Weight - Net / Shipping 3.3 lb (1.5 kg) / 5.6 lb (2.5 kg)

AD-ID8T IntelliDock with transformer

Weight - Net / Shipping 6.3 lb (2.9 kg) / 8.6 lb (4 kg)

CCS-CU Control Unit

www.boschsecurity.com



BOSCH

Invented for life



- ▶ Built-in MP3 recording and playback with graphical display
- ▶ Patent-pending recording buffer
- ▶ Digital Acoustic Feedback Suppression
- ▶ Discussion control without operator
- ▶ Controls up to 150 contribution devices

The Control Unit (CU) is the heart of the CCS Ultra Discussion System and supplies the power for all delegate and chairman units in the system. The unit also controls the chairman and delegate unit microphones, as well as providing connections for audio inputs and outputs.

Functions

Built-in MP3 recording and playback with graphical display (CCS-CURD)

The CU has a built-in recorder to digitally record a discussion to an SD Card. The graphical display shows the status of the recorder and the accompanying buttons can be used to configure the recorder. As an option, the recording is only active when a microphone is active.

The SD card can be removed from the CU and processed on a PC for transcription purposes; the recordings can also be retrieved by connecting a PC to the CU's USB. The recordings can be played back to the monitor loudspeaker or to delegate's loudspeakers. An audible beep and a flashing LED indicate when the SD Card is almost full and the user needs to replace it with a new card.

Patent-pending recording buffer (CCS-CURD)

A card can be replaced by an empty card while recording is running. When the full card is removed, the recording is continued to a patent-pending recording buffer. When a new card is inserted into the CU, the buffered recording is written onto the new card and the recording continues normally. This gives seamless recording without the loss of any audio while an SD Card is exchanged.

Digital acoustic feedback suppression (CCS-CUD, CCS-CURD)

The digital acoustic feedback suppression facility automatically eliminates acoustic feedback (also known as 'howling' or 'Larsen effect'). This gives better speech intelligibility by allowing the speaker volume to be turned up as loud as required without any risk of feedback.

Discussion control without operator

The CU can be setup to operate standalone without the need for an operator. The following 5 modes can be chosen using a rotary control on the unit's top panel:

- Open mode – allows selection of one to four microphones (excluded chairmen microphones) which can be simultaneously active
- Open mode with auto-switch-off – allows selection of one to four microphones (excluded chairmen microphones) which can be simultaneously active. If the delegate does not speak for 30 seconds, microphones are automatically switched off
- Override mode – delegates can override each other simply by activating their microphones. Only one microphone can be active at any one time. (Note: In override mode, delegates cannot override chairmen)
- Chairman only mode – only chairmen can speak. Delegate microphones cannot be activated, even when a chairman is not speaking
- Test mode – checks if system connections are correct. All microphone light rings and contribution unit LEDs light up to indicate that units are properly connected

Supplies power for up to 50 contribution units

The CU has two trunk outputs for the loop-through connection of contribution units. It is possible to connect 25 contribution units to each trunk output, with a maximum system cable length of 100 m (109.3 yards).

Provides control for up to 150 contribution units

Up to 3 CUs can be used together in a discussion system to power and control a maximum of 150 contribution units. In this configuration a single CU acts as a master controller for the entire system.

Built-in monitor loudspeaker

The built-in monitor loudspeaker and headphone socket allow the conference to be monitored.

Interfaces the system with external equipment

The following equipment can be interfaced to the CCS Ultro Discussion System through the CU:

- External wired or wireless microphone – for guest speakers or audience participation. (Note: The external microphone is muted when the priority button on a chairman unit is pressed, and when the system is operating in ‘chairman only’ mode)
- External PA system – for transmitting the proceedings to an audience in the same room or an adjacent room
- Tape recorder – for external recording and playing back meetings and discussions
- Audio equipment – for providing background music
- Telephone coupler – to allow a remote delegate to participate via telephone
- External audio processing – an insertion connector is provided

Controls and Indicators

Top

- Mains on/off switch
- Graphical display for status information (CCS-CURD)
- 5 soft buttons for configuration and control of the built-in MP3 recorder (CCS-CURD)

- Loudspeaker volume control, for setting output level of loudspeakers of contribution units. This control also determines the maximum level for the headphone outputs of the contribution units and the CU.
- Microphone mode rotary switch, for setting the number of simultaneously active microphones, and selecting one of the four operation modes (plus test mode)
- Power on LED

Back

- On/off switch for digital acoustic feedback suppression facility (CCS-CUD, CCS-CURD)
- Microphone input gain adjustment
- External recorder input gain adjustment
- Insertion connector bypass switch

Interconnections

Top

- 1 x 3.5 mm (0.14 inch) stereo headphone socket

Back

- 1 x AC input
- 2 x 7-pole circular female connectors, trunk in/out loop through interconnection
- 1 x 3-pole female XLR connector, microphone input (can be used as line input by included 50dB attenuator)
- 1 x Cinch connector pair, line input/output
- 1 x Cinch connector pair, telephone input/output
- 1 x Cinch connector pair, insertion input/output
- 2 x Cinch connector pairs (R/L channel), external recorder input/output
- USB interface (CCS-CURD)



1	CCS-CUD, CCS-CURD
2	CCS-CURD

Parts included

Quant.	Component
1	Control Unit
1	50 dB Attenuator
1	User manual
1	Power cord

Technical specifications

Electrical

Mains voltage	100 to 240 VAC \pm 10 %
Current consumption	maximum 0.9 A (100 VAC) to 0.3 A (240 VAC)
DC supply to contribution units	24 V \pm 1 V (current limited)
Loudspeaker volume control	mute (50 dB att.) + 10 steps of 1.9 dB
Limiter threshold level to unit	10 dB above nominal level loudspeaker / headphone
Gain reduction due to number of open microphones (NOM)	\div NOM \pm 1 dB
Total harmonics	
Nominal input (85 dB SPL)	< 0.5
Max. input (110 dB SPL)	< 0.5

Sample frequency (CCS-CURD)

Recording	32 kHz
Playback	32, 44.1, 48 kHz

Bit rate (CCS-CURD)

Recording	64, 96, 128, 192, 256 KBit/sec
Playback	any bitrate

Compatible conform ID3V2 mp3-tags (CCS-CURD)

Memory card	Any SD Card up to 2 Gb (high speed cards advised)
-------------	---

Recording capacity (CCS-CURD)

	Internal memory	Card size		
Bit rate	225 MB	512 MB	1 GB	2 GB
64	07 h : 41 m	17 h : 14 m	34 h : 28 m	64 h : 56 m
96	05 h : 07 m	11 h : 29 m	22 h : 59 m	45 h : 58 m
128	03 h : 50 m	08 h : 37 m	17 h : 14 m	34 h : 28 m
192	02 h : 33 m	05 h : 44 m	11 h : 29 m	22 h : 58 m
256	01 h : 55 m	04 h : 18 m	08 h : 37 m	17 h : 14 m

Mechanical

Dimensions including feet (H x W x D)	84 x 361 x 143 mm (3.4 x 14.2 x 5.6 in)
Height of feet	5.5 mm (0.22 in)

Mounting	tabletop (portable or fixed) 19-inch rack flush mounting
Weight	1.5 kg (3.3 lb)
Material (top)	polymer
Material (base)	painted metal
Color (top)	charcoal (PH10736)
Color (base)	black (PH80007)

Ordering information

CCS-CU Control Unit

supplies the power for all delegate and chairman units in the system, plus the unit microphones, as well as providing connections for audio inputs and outputs
Order number **CCS-CU**

CCS-CUD Control Unit with DAFS

With digital acoustic feedback suppression facility.
Order number **CCS-CUD**

CCS-CURD Control Unit with Recorder and DAFS

With built-in recorder, graphical display, recording buffer and acoustic feedback suppression facility.
Order number **CCS-CURD**

CCS-CU-JP Control Unit (JP)

Japanese version
Order number **CCS-CU-JP**

CCS-CUD-JP Control Unit with DAFS (JP)

Japanese version
Order number **CCS-CUD-JP**

CCS-CURD-JP Control Unit with Recorder and DAFS (JP)

Japanese version
Order number **CCS-CURD-JP**

CCS-CU-US Control Unit (US)

US version
Order number **CCS-CU-US**

CCS-CUD-US Control Unit with DAFS (US)

US version
Order number **CCS-CUD-US**

CCS-CURD-US Control Unit with Recorder and DAFS (US)

US version
Order number **CCS-CURD-US**

Revised Bid

Represented by:

Americas:

Bosch Security Systems, Inc.
12000 Portland Avenue South
Burnsville MN 55337, USA
Phone: +1-800-392-3497
Fax: +1-800-955-6831
audiosupport@us.bosch.com
www.boschsecurity.com

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security
Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
al.securitysystems@bosch.com
www.boschsecurity.com

CCS-Dx CCS Delegate Unit

www.boschsecurity.com



BOSCH

Invented for life



- ▶ Unique, patent pending “Possible-To-Speak” indicator
- ▶ Compact, attractive design
- ▶ Built-in volume control for headphones
- ▶ Microphone with flexible stem and light ring
- ▶ Two headphone sockets

The CCS-Dx CCS Delegate Units enable delegates to actively take part in the proceedings. A built-in microphone allows them to speak to the other delegates, and they can listen to the discussion using the built-in loudspeaker or (optional) personal headphones.

Functions

Possible-To-Speak

A so called ‘Possible-To-Speak’ indicator is built-in showing if it is possible to switch on the microphone. This functionality is shown by a white LED combined with the ‘microphone on’ indicator.

Microphone with flexible stem and light ring

The microphone is mounted on a flexible stem, which is easily adjustable to suit personal preferences. It also allows two people to use the same delegate unit as they can pull the microphone towards them when required to speak. Incorporated into the head of the microphone is a light ring which illuminates red to indicate when the microphone is on.

Built-in loudspeaker

Loudspeaker volume is set centrally at the Control Unit for all delegate units. To prevent acoustic feedback, the built-in loudspeaker is automatically muted when the microphone is on.

Two headphone sockets

Two 3.5 mm (0.14 in) stereo headphone sockets (wired for mono) allow two pairs of headphones to be connected so two delegates can simultaneously use the unit. It is also possible to connect a tape recorder to one headphone socket, and use the other headphone socket to listen to the proceedings.

Built-in volume control for headphones

The headphone volume level can be adjusted by means of a thumbwheel on the unit for maximum comfort.

Compact, attractive design

Featuring modern, unobtrusive styling and finished in charcoal gray these units make a valuable addition to any venue.

Standard or Extended Length Microphone Stems

The delegate units are available with standard 313 mm (12.3 in) or extended 488 mm (19.2 in) microphone stem lengths.

Controls and Indicators

- Microphone on/off button
- Rotary volume control for adjusting headphone volume
- Loudspeaker, automatically muted when microphone is on and/or headphones are connected
- Possible-To-Speak indicator (white LED)
- Microphone 'on' indicator (red LED)
- Light ring indicator on microphone stem, lights up red when microphone is on

Interconnections

- 1 x 2 m (78.7 in) cable terminated with a 7-pole male connector for loop-through connection to other delegate or chairman units, or to a Control Unit
- 1 x 7-pole circular female connector for loop-through connection to other delegate or chairman units
- 2 x 3.5 mm (0.14 in) stereo headphone sockets

Technical specifications

Mechanical

Dimensions unit without microphone (H x W x D)	71 x 220 x 140 mm (2.8 x 8.7 x 5.5 in)	
Height with microphone in horizontal position	134 mm (5.3 in)	
Length of microphone from mounting surface	CCS-DS	CCS-DL
	313 mm (12.3 in)	488 mm (19.2 in)
Weight	approx. 1 kg (2.2 lb)	
Mounting	tabletop (portable or fixed)	
Material (top)	polymer	
Material (base)	painted metal	
Color (top)	charcoal (PH10736)	
Color (base)	charcoal (PH10736)	

Ordering information

CCS-DS CCS Delegate Unit Short Microphone
microphone stem length 313 mm (12.3 inch)
Order number **CCS-DS**

CCS-DL CCS Delegate Unit Long Microphone
microphone stem length 488 mm (19.2 inch)
Order number **CCS-DL**

DCN-DISCLM Cable Clamp (25 pcs)
25 pieces
Order number **DCN-DISCLM**

Represented by:

Americas:

Bosch Security Systems, Inc.
12000 Portland Avenue South
Burnsville MN 55337, USA
Phone: +1-800-392-3497
Fax: +1-800-955-6831
audiosupport@us.bosch.com
www.boschsecurity.com

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
al.securitysystems@bosch.com
www.boschsecurity.com

**BIDDER INFORMATION SHEET FOR COUNCIL CHAMBERS
SOUND AND ELECTRONIC RECORDING SYSTEM PROJECT**

Bidder must provide all requested information in the space provided next to each numbered question. Please type or print response.

1	Firm Name	ATS Alaska
---	-----------	------------

2	Street Address	139 E. 51st Ave #100
---	----------------	----------------------

3	City, State, Zip Code	Anchorage, AK 99503
---	-----------------------	---------------------

4	Firm phone number	907-868-5100
---	-------------------	--------------

5	Firm fax number	907-868-5123
---	-----------------	--------------

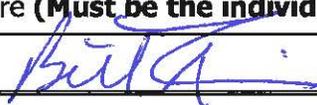
6	Federal Tax Identification Number	92-0177882
---	-----------------------------------	------------

7	Contact Person for Questions/Contract Negotiations, including address	
	Name and Title:	Bill Fair
	Address:	139 E. 51st Ave #100 Anchorage AK 99503
	Email Address:	bfair@atsalaska.com

8	Phone number for contact person	907-375-4107
---	---------------------------------	--------------

9	Email address for contact person	bfair@atsalaska.com
---	----------------------------------	---------------------

10	Name of Individual Authorized to Bind the Organization	
	Name: Bill Fair	Title: Sales

11	Signature (Must be the individual authorized to bind the organization)	
	Signature: 	Date: 6/7/13

CITY OF PALMER

**BID SHEET FOR COUNCIL CHAMBERS
SOUND AND ELECTRONIC RECORDING SYSTEM PROJECT**

Firm name: ATS Alaska

Required Bid Submittal:

The Bidder Information and Bid Sheet must be complete and accompany the bid to be considered a responsive bidder.

Bid Price*:

Sound System	\$ <u>17,325.00</u>
Recording System	\$ <u>4,360.00</u>
Electronic Timer	\$ <u>1,982.00</u>
Installation, Training, Operations, and Maintenance	\$ <u>14,696.00</u>
Total Bid:	\$ <u>38,363.00</u>

*The bid price should include the items listed in the System Specifications as well as any allowable differences under the Bidder's discretion.

Bid award will be based on the lowest bid price submitted by a responsive, responsible bidder whose bid is judged to be in the best interests of the City.



Signature of Person Authorized to Bind Organization

6/7/13
Date

Bill Fair
Printed Name of Person Authorized to Bind Organization



Proposal for Low-Voltage/Facility Systems

P. 1 of 2

Project/location: Palmer Chambers Recording System

Bid date: 6/10/13

To: Janette
Company: City of Palmer
Phone:
Fax:

From: Bill Fair
Company: ATS Alaska
Phone: 907-375-4107
Fax: 907-868-5123

We propose to engineer, furnish, program and start-up the following low-voltage/facility systems for the above referenced project. Installation will be by electrical contractor. The project will be executed based on the plans dated N/A, acknowledges addendum/a __ and the following specification sections:

- Sound System

Total Bid: \$38,363.00

Sound System	\$17,325
Recording System	\$4,360
Count Down Timer	\$1,982
Installation, Training, Operations & Maintenance	\$14,696

Remarks (the following inclusions, exclusions and clarifications apply specifically to this project):

- All Material FOB Job Site.
- All equipment being provided is professional commercial grade.
- Owners phone system will be used to transfer calls to the new sound and recording system.
- All wiring will be surface mount in wire mold. Wire run under the floor will be run in J hooks.
- We will not be able to start installation till September at the earliest.
- We will provide 11 new wired microphones with 18" goosenecks in permanent locations.
- We will provide 1 wireless handheld microphone.
- Microphones will be programmed so that only one microphone will be active. Chairman microphone will have priority over all other microphones.
- We will provide a 36' rack to house our equipment.
- We will provide software and a server to record meetings
- Countdown timer will be controlled with a handheld wireless remote.
- The products listed are a basis of design, During engineering products may change. We will submit all products we are using and provide a one line drawing and hand sketch of the room layout.

Exclusions (unless specifically included in the remarks section above, the following standard exclusions apply):

- Bonds, taxes (unless itemized above with base bid), fire watch, demolition, asbestos abatement, providing high lift devices, cutting/patching/painting, phone line for modem, development of auto-cad floor plans (usually available from architect or consultant).

General Terms & Conditions:

- Price valid for 60 days from date of quote.
- Standard warranty 1 year parts and labor or as required in specifications. Warranty takes effect upon substantial completion defined as beneficial use of the system. Excludes acts of God or damage caused by others, etc.
- Payment Terms, Net 30.

If a contract or purchase order will be issued for this scope of work, please reference this proposal in the contract documents OR sign the proposal below authorizing us to proceed. In order for us to proceed we will also need a full set of conformed plans & specs, a project schedule and an electronic copy of auto-cad floor plans. Thank you for your consideration.

Proposal Submitted by: 

Proposal accepted by (signature):

Name: Bill Fair

Name (print):

Title:

Title:



Date: 6/10/13

Date:

Bill of Materials

Sound System

Table with 3 columns: Manufacturer, Description, Quantity. Lists items like Biamp AudiaFLEX chassis, Audio Technica microphones, ProCo mic cord, Lowell rack, Atlas RF filter, SoundTube tweeter, RCI I/O panel, Westpenn condensers.

Recording System

Table with 3 columns: Manufacturer, Description, Quantity. Lists Dell Recording Server and JCG Digital Meeting Recorder.

Count Down Timer

Table with 3 columns: Manufacturer, Description, Quantity. Lists American Time & Signal Countdown Timer.

City of Palmer
Council Chambers Sound and Electronic Recording System Project

The City of Palmer is seeking bids to replace the sound and electronic recording systems in the City Council Chambers. The current system is several years old and is starting to show its age. In the process of replacing the systems, the goal is to introduce new technology and to obtain highly functioning sound and electronic recording systems.

A. General Terms and Conditions

1. **Understanding and variations.** It is the Bidder's responsibility to read and understand the requirements of this solicitation of Bid. Bidders are required to state exactly what they intend to furnish to the City via this Solicitation and must indicate any variation to the terms, conditions, and specifications of this Bid, no matter how slight. If variations are not stated in the Bidder's Bid, it shall be construed that the bid fully complies with all conditions identified in this request for Bids.
2. **Responses.** All responses to this Bid must comply with the General Conditions.
3. **Bid submission.**
 - a. The Bidder shall submit one (1) original and three (3) copies of bid to the City Clerk at 231 W. Evergreen Avenue, Palmer by **10 am on June 12, 2013**.
 - b. The original Bidder Information and Bid Sheets must be manually and duly signed in ink by a Corporate Officer with the authority to bind the bidding company by his/her signature. Facsimile submission will *not* be accepted.
 - c. Bids must be submitted in a sealed envelope marked with Bidder's name and address and the words "Council Chamber Sound and Electronic Recording System Project Bid".
4. **Prices, terms, and conditions.** All prices, terms, and conditions quoted in the submitted Bid will be firm for acceptance for sixty (60) days from the date of the Bid opening date unless otherwise stated by the City.
5. **Withdrawal of bid.** Any Bidder may withdraw its Bid prior to the indicated deadline. The request for withdrawal must be submitted in writing to the City Clerk's office.
6. **Quantities.** Quantities shown are estimates only. No guarantee or warranty is given or implied by the City as to the total amount that may or may not be purchased from any resulting contract. The City reserves the right to decrease or increase quantities as required.
7. **Performance.** Failure on the part of the Bidder to comply with the conditions, terms, specifications, and requirements of the Bid shall be just cause for the cancellation of the Bid award. The City may, by written notice to the Bidder, terminate the contract for failure to perform. The date of termination shall be stated in the notice. The City shall be the sole judge of nonperformance.
8. **Default.** In the event that the successful Bidder defaults on the contract or the contract is terminated for cause due to performance, the City reserves the right to obtain the materials or services from the next lowest Bidder or other source during the remaining term of the contract. Under this arrangement the City shall charge the Bidder any excess cost occasioned or incurred thereby.
9. **Assignment.** The Bidder shall not transfer or assign the performance required by the Bid without the prior written consent of the City. Any award issued pursuant to this Bid and moneys that may become due hereunder are not assignable except with prior written approval of the City.
10. **Bid preparation expense.** The Bidder preparing a bid in response to this bid shall

bear all expenses associated with its preparation. The Bidder shall prepare a bid with the understanding that no claim for reimbursement shall be submitted to the City for the expense of bid preparation.

11. **Omission of details.** Omission of any essential details from these specifications will not relieve the Bidder of supplying such product(s) as specified.
12. **Clarification to terms and conditions.** The Bidder shall examine all Bid documents and shall judge all matters relating to the adequacy and accuracy of such documents. Any inquiries, suggestions, requests concerning clarification or solicitation for additional information shall be submitted in writing to the City Clerk's Office by May 10, 2013. The City shall not be responsible for oral interpretations given by any City employee or its representative.
13. **Written addendum.** The City shall issue a written Addendum if substantial changes which impact the submission of the Bid is required. A copy of such addenda will be mailed or distributed via electronic transmission to each Bidder receiving the bid.

B. Systems specifications.

1. Sound System

- a. 10 microphones on the dais, 1 microphone for the public speaking podium (these microphone may be wired or wireless as determined best for the council chambers by the Bidder), and 1 handheld wireless microphone
- b. 2 Inputs for line-level signals (note: to receive the highest function, the actual number of final inputs may be determined by the Bidder)
- c. 4 Outputs for recording and other auxiliary feeds (note: to receive the highest function, the actual number of final inputs may be determined by the Bidder)
- d. Master on/off switch for speakers
- e. Speakers in the room
- f. Telephone interface for incoming calls
- g. Automatic call queuing system for calls on hold
- h. Microphone cancellation so one microphone is active at a time

2. Recording System

- a. Ability to be used as a single recorder or networked/stacked together to form the System capable of recording an unlimited amount of simultaneous audio/video channels only constrained by network bandwidth
- b. Support one real-time archive DVDRW and/or CDRW drives in addition to real-time hard disk recording for instant recall
- c. Provide a remote playback search and replay application that can be loaded and configured from any TCP/IP network client workstation
- d. Recording format being stored on disk should be a universal format of MP4 or compatible
- e. Recorder must automatically annotate the date, time, user and location of the recording with a single, simple touch/record button/command

3. Electronic Timer

- a. A mounted countdown timer to show the public speaker how much time they have left
- b. The controls to the countdown timer should be accessible at the clerk's desk
- c. The countdown timer should be easily configurable to choose between the countdown time displayed, start the timer and reset the timer

4. Installation, Training, Operations and Maintenance

- a. The installer must provide one on-site training class for the installed equipment to a group of no more than six people. The installer provides permission to be recorded by video camera for future training needs.
 - b. The installer must provide the City with an operations and maintenance manual for all installed equipment. Bidder shall furnish and install complete sound and electronic recording system, with all the necessary apparatus and equipment required to insure complete systems of broadcast quality in excellent working order, including: wiring, jacks, receptacles, cables, hardware, racks, baffles, conduit, connectors, etc.
- C. Bidder discretion.** Recognizing the Bidder's expertise and in the interest of achieving the City's ultimate goal of highly functioning sound and electronic recording systems, the Bidder may at his or her discretion suggest and/or bid items different from the items stated above.
- D. Council chambers inspection and appointment.** The Bidder is strongly urged to schedule an appointment to inspect the council chambers to determine the City's actual needs. To schedule an appointment, please contact the Clerk's Office at 761-1301.
- E. Schedule**
- Bid Request Issued May 21, 2013
 - Bid Due Date..... June 12, 2013, 10 am
 - Bid Opening Date June 12, 2013, 10 am, Council Chambers
 - Anticipated Contract Award July 9, 2013 – City Council Meeting
 - Contract Begins July 15, 2013
- F. Final Selection.** The final award of the apparent successful Bidder will be made by the City of Palmer City Council at a regularly scheduled Council meeting on July 9, 2013. The successful Bidder will be notified in writing.
- G. Miscellaneous.**
- 1. City prerogatives. The City reserves the right to award the responsive and responsible company whose bid is judged to be in the best interests of the City, with the City being the sole judge thereof; to negotiate with any or all bidders; to reject any or all bids, in whole or any part thereof; and to waive any minor technicalities or informalities in accordance with the City's determination of its own best interest.
 - 2. Venue. Any dispute or controversy arising out of this Bid Request shall be governed by the laws of the State of Alaska, and venue shall be in Palmer, Alaska only.

PLEASE NOTE: FAILURE TO COMPLY WITH ANY PART OF THIS BID REQUEST MAY RESULT IN REJECTION OF THE BID.

**BIDDER INFORMATION SHEET FOR COUNCIL CHAMBERS
SOUND AND ELECTRONIC RECORDING SYSTEM PROJECT**

Bidder must provide all requested information in the space provided next to each numbered question. Please type or print response.

1	Firm Name	
---	-----------	--

2	Street Address	
---	----------------	--

3	City, State, Zip Code	
---	-----------------------	--

4	Firm phone number	
---	-------------------	--

5	Firm fax number	
---	-----------------	--

6	Federal Tax Identification Number	
---	-----------------------------------	--

7	Contact Person for Questions/Contract Negotiations, including address	
	Name and Title:	
	Address:	
	Email Address:	

8	Phone number for contact person	
---	---------------------------------	--

9	Email address for contact person	
---	----------------------------------	--

10	Name of Individual Authorized to Bind the Organization	
	Name:	Title:

11	Signature (Must be the individual authorized to bind the organization)	
	Signature:	Date:

CITY OF PALMER

**BID SHEET FOR COUNCIL CHAMBERS
SOUND AND ELECTRONIC RECORDING SYSTEM PROJECT**

Firm name: _____

Required Bid Submittal:

The Bidder Information and Bid Sheet must be complete and accompany the bid to be considered a responsive bidder.

Bid Price*:

Sound System	\$ _____
Recording System	\$ _____
Electronic Timer	\$ _____
Installation, Training, Operations, and Maintenance	\$ _____
Total Bid:	\$ _____

*The bid price should include the items listed in the System Specifications as well as any allowable differences under the Bidder's discretion.

Bid award will be based on the lowest bid price submitted by a responsive, responsible bidder whose bid is judged to be in the best interests of the City.

Signature of Person Authorized to Bind Organization

Date

Printed Name of Person Authorized to Bind Organization