Board Office Use: Le	gislative File Info.
File ID Number	15-0457
Introduction Date	3/25/2015
Enactment Number	15-0412
Enactment Date	3/25/15 0



Memo

To Board of Education

From Jacqueline Minor, General Counsel

Board Meeting Date March 25, 2015

Subject Agreement – Diversified Systems – KDOL

Action Requested Ratification by the Board of Education of the Agreement with

Diversified Systems

Background KDOL is installing new equipment into the Committee room across from the

studio at LaEscuelita using Public, Education and Government Funds (PEG

Funds).

Discussion Diversified Systems is the vendor selected to procure the audio and video

equipment. This is a \$73,113 Purchase for a "Turn Key System." The equipment for the KDOL studio and for the board meetings was procured

from and installed by Diversified Systems.

Recommendation Ratification by the Board of Education of the Agreement with

Diversified Systems

Fiscal Impact \$73,113 paid from PEG Funds (Public, Education and Government Funds

paid to City of Oakland by cable companies)

Attachments • Agreement



Diversified services. Focused solutions.

THE SCOPE OF WORK: COMMITTEE ROOM at OAKLAND UNIFIED SCHOOL DISTRICT-----KDOL TV

Audio/Video Project services, which shall be considered, are:

- Install 3x VADDIO HD Pan-Tilt Integrated Cameras on wall mounts in the newly configured Committee Room across the hall.
- 2. 3x Cat5 cable runs to each VADDIO Camera for PTZ Controller, power and video connection
- 3. 3x new VADDIO digital CCU's with HDSDI BNC cable runs for video from these CCU's to Patch panel and router to allow Carbonite switcher to use as inputs
- 4. Crestron DMP Presentation switcher w/4x HDMI & 4x VGA w/audio inputs for Committee Room computer as well as classroom input to feed both the patch/router and directly feed the video monitors for classroom use.
- 5. Local rack mounted mixer with 8 inputs for Computer audio, Local Mic and live video program source.
- 6. Standalone Power Amp or Amp with audio mixer. OFE QSC RMX850
- 7. 6x Ceiling mounted speakers with front/back passive zone volume control.
- 8. 13x desk mic's with on/off buttons that are can be connected to a Whirlwind floor box.
- 9. 2x-BNC returns for return video from Production control to the room to feed the monitors
- 10. Return program analog audio for in room volume and EQ. control through rack mount mixer
- 11. Installation of intercom speaker call box to existing party line system Including adding 4-wire camera interface to existing system
- 12. Wall mounted panel with Crestron switcher, Mixer, Amp, volume attenuator and I/O panel for in room inputs. Including programming of local control panel.
- 13. 1x Cat 5 for Digital Audio Snake (Existing) this needs to be feeding a wall mounted panel.
- 14. 2x wall mounted Video Screens (70-90" Size) on tilt mounts. Sharp 60" and 80" (Optional 90" & 70")

Engineering considerations:

- 1. Video and Audio Tie lines to this Committee Room: need two audio lines back from the existing Yamaha audio
- 2. The audio should go to patch and they will switch the CAT5 like they do for the current board to studio switch. Need 32 channels working into the Yamaha's still limited to 16.

The client believes it's a switch issue... The audio is coming from the Whirlwind multibox over CAT5. This needs to be resolved as part this phase of the project.

- 3. Add new video patch panel and possibly move some of the existing points to make it logical.
- 4. Add ESE Clock display in the classroom. May need to pull an audio and Ethernet cable to this location. The clock is specified to be POE. The clock will be mounted on the classroom wall.

For KDOL TV Gity of Oakland DUSD	For Diversified Systems
lames Harris	
President, Board of Education	Signature
Name and the the strops	Name and Title
OHICE OF GENERAL COURSE!	
APPROVED THE ROBERT CHEET AND STATE OF Education	Date
Attornative Washington DC . San Francis	sco · Seattle · Los Angeles · Chicago

www.divsystems.com • 408.969.1972 voice • 408.969.1985 fax • 3275 Edward Avenue • Santa Clara, CA 95054



EXHIBIT A - SCHEDULE OF VALUES TURNKEY SYSTEM

Category	D	etail	Amount
Base Proposal			
Base Proposal Equipment costs		\$	55,969.00
Project Management, Engineering, non-labor issues			\$0.00
Project Management	\$	-	
Design Engineering	\$		
System Testing and Vendor Commissioning	\$	-	
Manufacturer's Operational Training	\$	- 1	
System Integrator's System Operation and Maintenance Training	\$:-	
Project Reimbursable Expenses	\$	2 -	
Material Costs		\$	4,506.00
Off Site Labor		\$	-
On Site Labor (own forces)		\$	
On Site Labor (subcontractors)		\$	
Shipping, Transportation, handling, insurance		\$	7,195.00
Base Proposal To	otal		\$67,670.00
Sales Tax (ESTIMATED)		\$	5,443.00
GRAND TOTAL:			\$73,113.00



TURNKEY COMMITTEE ROOM
Description **EXHIBIT A - SCHEDULE OF VALUES**

Model

Manufacturer

Qt,

Item #

Extended

Sell Unit

KDOL TV MULTIMEDIA SERVICES
OAKLAND UNIFIED SCHOOL DISTRICT
2/3/2015
Sell Sell

PANTIL CAMPAIRE STATE TO MAINTER ROOM Rebisher 12 CLUS Spetam 12.2 Zontm COL Share & Black Only Special					Note: OFE = Owner Furnished Equipment			
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CRESTRON HD-DA44/kE	20	2	CRESTRON	HD-ETX3-C	HDMI extender	· 45		1,888.00
TRESTROM TWE-4803-NU Purplecasi Mounting Bracket for Touch Screens & Walli Docks 5 83.00 \$	9	1		HD-DA4-4K-E	1-to-4 4K HDMI® Distribution Amplifier	. ∙0		472.00
1 CRESTRON PWE-4803-RU PoE Injector 1 CRESTRON PWE-4803-RU P	70	1	CRESTRON	TSW-UMB	Universal Mounting Bracket for Touch Screens & Wall Docks	₩.	40	38.00
AAA	80	1	CRESTRON	PWE-4803-RU	PoE Injector	φ.		95.00
1 1 1 1 1 1 1 1 1 1	90	1	AJA	Hi5	HD-SDI to HDMI converter	45	40	326.00
SPEAKERS AND MONITORS HD Cross Converter \$ 736.00 \$ SPEAKERS AND MONITORS Control 26-C Ceiling mount speakers \$ 198.00 \$	100	1	LYNX Technik	C HD 1812	HDMI to HD-SDI frame sync	₩.		774.00
SPEAKERS AND MONITORS 6 JBL Control 26-C Colling mount speakers \$ 198.00 \$ </td <td>110</td> <td>Н</td> <td>Data Video</td> <td>DAC-70</td> <td>HD Cross Converter</td> <td>\$</td> <td></td> <td>736.00</td>	110	Н	Data Video	DAC-70	HD Cross Converter	\$		736.00
December 2015 Bit Control 26-C Ceiling mount speakers Signature 2015 Control 26-C Ceiling mount speakers Signature 2015 Sign		SPEAKERS AN	JD MONITORS					
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2 Atlas Sound ATJ3-RMA Passive Volume Control - 35 Watts \$ 31.00 \$ 1 Atlas Sound ATPLATE-022 2RU Rack mount kit for volume control \$ 33.00 \$ 1 SHARP LCBOLE66OU 80" Display \$ 4,722.00 \$ 1 SHARP LCGOLE66OU 60" Display \$ 1,493.00 \$ 1 SHARP LCGOLE66OU 60" Display \$ 1,493.00 \$ 1 SHARP LCGOLE66OU 60" Display \$ 1,493.00 \$ 1 CLEARCOM V-BOX Desk Mount Speaker \$ 1,493.00 \$ 1 CLEARCOM V-BOX Desk Mount Speaker \$ 1,493.00 \$ 1 CLEARCOM V-BOX Desk Mount Speaker \$ 1,493.00 \$ 1 CLEARCOM V-BOX Desk Mount Speaker \$ 1,493.00 \$ 1 CLEARCOM K-B-702 Channel Hadset/Speaker \$ 1,493.00 \$ 1 ESE ES 93U/Yellow) G-Digit Serial Sl	130	OFE		RMX850	Power Amp	· 40		OFE
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SHARP LCBOLE65OU 80" Display 5 4,722.00 5 4 SHARP LCBOLE65OU 60" Display 5 1,623.00 5 1,623.00 5 1,623.00 5 SAMU X-Large FUSIONI** Micro-Adjustable Fixed Wall Display Mount 5 1,623.00 5 1,623.00 5 LCEARCOM IF4W4 Encore four-channel 3/4-wire camera interface. IRU 5 1,493.00 5 357.00 5 LCEARCOM V-BOX Desk Mount Speaker Box 2 Channel Headset/Speaker Box 2 CLARCOM CC-26K-X4 Single-ear light headset XIR-4F: 5 263.00 5 263.00 5 LESE ES 993U/Vellow) 6-Digit Serial Slave -12* Wall Mount, Amber LED, POE 5 1,740.00 5 2,400.00 5 LESE PPEZ322-ANJ-BK 2 2 2 2 2 2 2 2 LESE PREZ322-ANJ-BK 2 2 2 2 2 2 2 2 2 LESE PREZ322-ANJ-BK 2 2 2 2 2 2 2 2 2 LESE ROSS NK-512/PW PSU cable for NK-RP1 PSU cable for NK-RP1 PSU cable for NK-RP2 2 2 2 2 2 3 3 LESE RX1202FX RX1202FX RX1202FX RX1200FX 2 2 2 3 3 3 3 3 3 3	150	1	Atlas Sound	ATPLATE-052	2RU Rack mount kit for volume control	۰ ۸		33.00
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CLEARCOM	180	2	CHIEF MFG	XSMU	X-Large FUSION™ Micro-Adjustable Fixed Wall Display Mount	. ❖		574.00
1 CLEARCOM		INTERCOM						
CLEARCOM V-BOX Desk Mount Speaker Box CLEARCOM KB-702 2 Channel Headset/Speaker Single-ear light headset XIR-4F: Single-ear light headset	190	1	CLEARCOM	1F4W4	Fncore four-channel 3/4-wire camera interface 1811	v		703 00
1 CLEARCOM KB-702 2 Channel Headset/Speaker \$ 760.00 \$ 1 CLEARCOM CC-26K-X4 Single-ear light headset XLR-4F: \$ 760.00 \$ CLOCK, PATCH &ROUTER CC-26K-X4 Single-ear light headset XLR-4F: \$ 263.00 \$ CLOCK, PATCH &ROUTER ES 993U(Yellow) 6-Digit Serial Slave -12" Wall Mount, Amber LED, POE \$ 977.00 \$ 1 ADC PPEZ232-MVJ-BK 2RU Video Patch Panel \$ 1,740.00 \$ \$ 1,740.00 \$ 3 ROSS NK-D12/PN PSU cable for NK-RP1 PSU cable for NK-RP2 \$ 67.00 \$ MICROPHONES & MIXER RX1202FX 8 Channel Audio Mixer - Rack Mount \$ 291.00 \$ 1 Shure MX410LP-C 10" gooseneck microphone with mute button \$ 300.00 \$ 13 Shure MX400DP \$ 300.00 \$	200	1	CLEARCOM	V-BOX	Desk Mount Speaker Box	} -√1		357.00
CLOCK, PATCH &ROUTER CC-26K-X4 Single-ear light headset XLR-4F. \$ 263.00 \$ CLOCK, PATCH &ROUTER ES 993U(Yellow) 6-Digit Serial Slave -12" Wall Mount, Amber LED, POE \$ 1740.00 \$ \$ 1740.00 \$ 1 ADC PPEZ232-MVJ-BK ZRU Video Patch Panel \$ 1,740.00 \$ \$ 1,740.00 \$ \$ 1,740.00 \$ 3 ROSS NK-D12/PN PSU cable for NK-RP1 \$ 46.00 \$ \$ 46.00 \$ \$ 1,740.00 \$ 1 ROSS NK-512/P PSU cable for NK-RP2 \$ 67.00 \$ \$ 1,740.00 \$ \$ 1,740.00 \$ MICROPHONES & MIXER RX1202FX 8 Channel Audio Mixer - Rack Mount \$ 291.00 \$ \$ 3,00.00 \$ 1 Behinger MX400DP Gooseneck microphone base with mute button \$ 300.00 \$ 3,300.00 \$	210	1	CLEARCOM	KB-702	2 Channel Headset/Speaker	- 407		760.00
CLOCK, PATCH &ROUTER 1 ESE ES 993U(Yellow) 6-Digit Serial Slave -12" Wall Mount, Amber LED, POE \$ 977.00 \$ 1,740.00	220	1	CLEARCOM	CC-26K-X4	Single-ear light headset XLR-4F.	₩.		263.00
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MICROPHONES & MIXER RX1202FX 8 Channel Audio Mixer - Rack Mount 1 Behinger \$ 291.00 \$ 1 Behinger MX410LP-C 10" gooseneck microphone with LED status ring at base \$ 280.00 \$ 13 Shure MX400DP gooseneck microphone base with mute button \$ 300.00 \$	260	1	ROSS	NK-S12/P	PSU cable for NK-RP2	\$		67.00
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13 Shure MX400DP gooseneck microphone base with mute button \$ 300.00 \$	280	13		MX410LP-C	10" gooseneck microphone with LED status ring at base	\$		3,640.00
	790	13		MX400DP	gooseneck microphone base with mute button	₹		3,900.00



EXHIBIT A - SCHEDULE OF VALUES
TURNKEY COMMITTEE ROOM
Description

Model

Manufacturer

Qty

Item #

KDOL TV MULTIMEDIA SERVICES
OAKLAND UNIFIED SCHOOL DISTRICT
2/3/2015
Sell
Sell

				Unit	Extended
			Note: OFE = Owner Furnished Equipment		
300 310 320	RACK & I/O PANEL 1 MID ATLANTIC 1 Signal Transport 1 MID ATLANTIC	EWR-16-22SD Custom PD-1815R-RN	16 RU wall mount rack Custom Engraved I/O panel Sack mount power strip	816.00 944.00 139.00	816.00 944.00 139.00
			OAKLAND SCHOOL DISTRICT COMMITTEE ROOM SUB-TOTAL:		92,969.00
	PARTS & MATERIALS				
330	1 DIV SYS	DSI MATERIALS	LOT, INSTALLATION MATERIALS CABLE, CONNECTORS, HARDWARE, ETC.	4,506.00	\$ 4,506.00
			PARTS & MATERIALS SUB-TOTAL:		\$ 4,506.00
			EQUIPMENT / MATERIALS SUBTOTAL:		60.475.00



TURNKEY COMMITTEE ROOM Description **EXHIBIT A - SCHEDULE OF VALUES**

Model

Manufacturer

Qty

Item #

Extended KDOL TV MULTIMEDIA SERVICES
OAKLAND UNIFIED SCHOOL DISTRICT
2/3/2015
Sell Sell Sell Unit

Note: OFE = Owner Furnished Equipment

	7,195.00	7,195.00	\$67,670.00		5,443.00	5,443.00
	7,195.00 \$	••			\$5,443.00 \$	₩.
	REIMBURSABLE EXPENSES FREIGHT EXPENSE* (BUDGETARY - ACTUAL FREIGHT TO BE BILLED AT COST, AS incurred)	OTHER EXPENSES SUB-TOTAL:	SYSTEM GRAND TOTAL:		9% State, City and County Sales Tax	ESTIMATED CA & CITY & COUNTY SALES TAX SUB-TOTAL:
	DS EXPENSES DS FREIGHT			ITY SALES TAX	ТАХ	
OTHER EXPENSES	1 DIV SYS 1 DIV SYS			ESTIMATED CA & CITY & COUNTY SALES TAX	1 DIV SYS	
О	500 510			ES	520	