

Board Office Use: <b>Legislative File Info.</b>	
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Enactment Number	15-0412
Enactment Date	3/25/15 <i>OK</i>



OAKLAND UNIFIED  
SCHOOL DISTRICT

Community Schools, Thriving Students

# 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

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

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

1. 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 mixer.
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.

ACCEPTANCE 3/26/15  
For KDOL TV City of Oakland OUSD

**For Diversified Systems**

**James Harris**  
President, Board of Education

Signature

Name and Title

Name and Title

OAKLAND UNIFIED SCHOOL DISTRICT  
Office of General Counsel  
**Anthony Wilson**  
Secretary, Board of Education

Date

By:  Attorney at Law • Washington DC • San Francisco • Seattle • Los Angeles • Chicago

**EXHIBIT A - SCHEDULE OF VALUES  
 TURNKEY SYSTEM**

Category	Detail	Amount
<b>Base Proposal</b>		
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	\$ -	
System Integrator's System Operation and Maintenance Training	\$ -	
Project Reimbursable Expenses	\$ -	
Material Costs		\$ 4,506.00
Off Site Labor		\$ -
On Site Labor (own forces)		\$ -
On Site Labor (subcontractors)		\$ -
Shipping, Transportation, handling, insurance		\$ 7,195.00
<b>Base Proposal Total</b>		<b>\$67,670.00</b>
Sales Tax (ESTIMATED)		\$ 5,443.00
<b>GRAND TOTAL:</b>		<b>\$73,113.00</b>





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

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

Item #	Qty	Manufacturer	Model	Description	Unit	Sell	Extended
<b>OAKLAND SCHOOL DISTRICT COMMITTEE ROOM</b>							
<b>PAN TILT CAMERAS</b>							
10	2	VADDIO	999-9907-000	RoboSHOT 12 QCCU System 12x Zoom+CCU Silver & Black Only	\$	6,972.00	\$ 13,944.00
20	1	VADDIO	999-9917-000	RoboSHOT 30 QCCU System- Full HD w/30x Zoom+CCU Black	\$	8,025.00	\$ 8,025.00
<b>INPUT SWITCHER-SCALER</b>							
30	1	CRESTRON	DMPS3-4K-150-C	Presentation Switcher - 10x1 - 4 VGA/4 HDMI/4 ana. Audio in	\$	4,717.00	\$ 4,717.00
40	1	CRESTRON	TSW-552-B-S	5" touch screen, Black Smooth	\$	1,227.00	\$ 1,227.00
50	2	CRESTRON	HD-ETX3-C	HDMI extender	\$	944.00	\$ 1,888.00
60	1	CRESTRON	HD-DA4-4K-E	1-to-4 4K HDMI® Distribution Amplifier	\$	472.00	\$ 472.00
70	1	CRESTRON	TSW-UMB	Universal Mounting Bracket for Touch Screens & Wall Docks	\$	38.00	\$ 38.00
80	1	CRESTRON	PWE-4803-RU	PoE Injector	\$	95.00	\$ 95.00
90	1	AJA	HI5	HD-SDI to HDMI converter	\$	326.00	\$ 326.00
100	1	LYNX Technik	C HD 1812	HDMI to HD-SDI frame sync	\$	774.00	\$ 774.00
110	1	Data Video	DAC-70	HD Cross Converter	\$	736.00	\$ 736.00
<b>SPEAKERS AND MONITORS</b>							
120	6	JBL	Control 26-C	Ceiling mount speakers	\$	198.00	\$ 1,188.00
130		OFE	RMX850	Power Amp	\$	-	OFE
140	2	Atlas Sound	AT35-RM	Passive Volume Control - 35 Watts	\$	31.00	\$ 62.00
150	1	Atlas Sound	ATPLATE-052	2RU Rack mount kit for volume control	\$	33.00	\$ 33.00
160	1	SHARP	LC80LE650U	80" Display	\$	4,722.00	\$ 4,722.00
170	1	SHARP	LC60LE660U	60" Display	\$	1,623.00	\$ 1,623.00
180	2	CHIEF MFG	XSMU	X-Large FUSION™ Micro-Adjustable Fixed Wall Display Mount	\$	287.00	\$ 574.00
<b>INTERCOM</b>							
190	1	CLEARCOM	IF4W4	Encore four-channel 3/4-wire camera interface. 1RU	\$	1,493.00	\$ 1,493.00
200	1	CLEARCOM	V-BOX	Desk Mount Speaker Box	\$	357.00	\$ 357.00
210	1	CLEARCOM	KB-702	2 Channel Headset/Speaker	\$	760.00	\$ 760.00
220	1	CLEARCOM	CC-26K-X4	Single-ear light headset XLR-4F:	\$	263.00	\$ 263.00
<b>CLOCK, PATCH &amp; ROUTER</b>							
230	1	ESE	ES 993U(Yellow)	6-Digit Serial Slave -12" Wall Mount, Amber LED, POE	\$	977.00	\$ 977.00
240	1	ADC	PPE232-MVJ-BK	2RU Video Patch Panel	\$	1,740.00	\$ 1,740.00
250	3	ROSS	NK-D12/PN	PSU cable for NK-RP1	\$	46.00	\$ 138.00
260	1	ROSS	NK-S12/P	PSU cable for NK-RP2	\$	67.00	\$ 67.00
<b>MICROPHONES &amp; MIXER</b>							
270	1	Behinger	RX1202FX	8 Channel Audio Mixer - Rack Mount	\$	291.00	\$ 291.00
280	13	Shure	MX410LP-C	10" gooseneck microphone with LED status ring at base	\$	280.00	\$ 3,640.00
290	13	Shure	MX400DP	gooseneck microphone base with mute button	\$	300.00	\$ 3,900.00

Note: OFE = Owner Furnished Equipment



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

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

Item #	Qty	Manufacturer	Model	Description	Unit	Sell	Extended
<b>RACK &amp; I/O PANEL</b>							
300	1	MID ATLANTIC	EWR-16-22SD	16 RU wall mount rack		816.00 \$	816.00
310	1	Signal Transport	Custom	Custom Engraved I/O panel		944.00 \$	944.00
320	1	MID ATLANTIC	PD-1815R-RN	Rack mount power strip		139.00 \$	139.00
<b>OAKLAND SCHOOL DISTRICT COMMITTEE ROOM SUB-TOTAL:</b>						<b>\$</b>	<b>55,969.00</b>
<b>PARTS &amp; MATERIALS</b>							
330	1	DIV SYS	DSI MATERIALS	LOT, INSTALLATION MATERIALS CABLE, CONNECTORS, HARDWARE, ETC.		4,506.00 \$	4,506.00
<b>PARTS &amp; MATERIALS SUB-TOTAL:</b>						<b>\$</b>	<b>4,506.00</b>
<b>EQUIPMENT / MATERIALS SUBTOTAL:</b>						<b>\$</b>	<b>60,475.00</b>

Note: OFE = Owner Furnished Equipment



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

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

Item #	Qty	Manufacturer	Model	Description	Unit	Sell	Extended
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Note: OFE = Owner Furnished Equipment

**OTHER EXPENSES**

500	1	DIV SYS	DS EXPENSES	REIMBURSABLE EXPENSES			
510	1	DIV SYS	DS FREIGHT	FREIGHT EXPENSE* (BUDGETARY - ACTUAL FREIGHT TO BE BILLED AT COST, AS INCURRED)	\$	7,195.00	\$ 7,195.00
<b>OTHER EXPENSES SUB-TOTAL:</b>						<b>\$</b>	<b>7,195.00</b>

**SYSTEM GRAND TOTAL:**

**\$67,670.00**

**ESTIMATED CA & CITY & COUNTY SALES TAX**

520	1	DIV SYS	TAX	9% State, City and County Sales Tax	\$	\$5,443.00	\$ 5,443.00
<b>ESTIMATED CA &amp; CITY &amp; COUNTY SALES TAX SUB-TOTAL:</b>						<b>\$</b>	<b>5,443.00</b>