

ALABAMA DEPARTMENT OF TRANSPORTATION

G27-903711
1420545

Alabama Department of Transportation (ALDOT) is requesting videoconferencing equipment as specified in this document. This includes upgrades and additions to ALDOT's existing videoconferencing network infrastructure. Additions will include multiple conference rooms located in Montgomery at our Central Office for the Emergency Call Center area as well as for Design Bureau. Maintenance and support on the new equipment is also being requested. On site visits are available, but not mandatory, by appointment the week of 08/10/09 – 08/14/09. The contacts for appointments are Jeremy Johnson or Susan Butler. They can be reached at 334-353-6200. Project timeframe will be 60 days from project initiation.

The hardware to be bid is listed on pages 4-5.

The existing hardware is listed on page 6-7.

Collaborative video communications:

All hardware must have support for ITU Standard H.239 (dual stream video). This provides support for any two video images to be transmitted to the remote end.

ALDOT requires a solution that allows for a digital image to transmit, thus increasing the quality of video displayed. In addition, both images must have the ability to display at XGA Resolution (1024x768)

The purpose of the ALDOT video network is to provide visual communications, real time presentation and education to the end user. To achieve these requirements, respondents must detail solution's ability to accommodate the following functionality:

Accept, transmit and display Native XGA resolution defined at 1024 x 768 on any video input or output such as:

- NTSC Composite/ video
- High Definition Video formats
- Document Camera
- VCR/ DVD
- PC

Multiple Site Conferencing:

ALDOT requires all video communication endpoints (video systems) stated in this solution have an expansion capability to perform multiple site conferencing by initiating calls directly from the communication endpoints (video systems) participating in such video calls via an embedded software MCU which will allow for communication endpoints (video systems) to conference multiple sites utilizing:

- Multiple protocols – i.e. H.323 and SIP (Internet Protocol), ISDN (External Network)
- Multiple data rates – Communication endpoints (video systems) must have support for embedded MCU functionality with support rate matching – i.e. one or more data rates in each call.
- Video/ Audio Transcoding – video communication endpoints (video systems) must support video and audio Transcoding technologies. Ensures future connectivity of legacy communication endpoints (video systems) currently deployed within the state of Alabama that may not support the latest technologies available – i.e. H.264 (Video), 20khz (Audio)
- H.264 video support in embedded multi-site calls & dual stream video sessions simultaneously
- Encryption – All communication endpoints must support AES (128 bit) encryption in either point to point or multi-point conferences.

It is important to note that all of this functionality is completely transparent to the end user and does not require any additional settings to configure or facilitate this type of call, thus furthering our intention to provide the most simplistic and reliable videoconference available to ALDOT end-users.

Requirements:

The requirement is for additional equipment, upgrades and support of video conferencing infrastructure to meet the needs of ALDOT.

Vendors must include the following with the bid:

- Provide a named contact that will deal with any enquiries in relation to this request.
- The vendor must provide a list of subcontractors.
- The vendor must have a minimum of 5 or more years of experience as a representative of Tandberg and must provide a letter from that manufacturer that confirms this information.
- The vendor must have a minimum of 4 Tandberg Certified Employees' to support ALDOT. This will also need to be stated in the letter from the manufacturer.
- The vendor must be certified on Crestron and provide the certificate.
- The vendor must be ACE certified by AMX and provide the certificate.
- The vendor must have an engineer that resides in the State of Alabama to support the needs of ALDOT and must provide engineer's contact information.
- The vendor must have a minimum of 5 years of experience as an organization installing and servicing videoconferencing systems and must provide copies of business licenses for the said 5 years.
- Prepare and provide a full cost sheet, which must include additional hardware cost with installation, shipping and three year onsite service.
- An initial setup/implementation plan, to include but not limited to:
 - Hardware costs per unit
 - Software Costs
 - Project Management Costs
 - Training Costs
 - Ancillary Costs (Shipping, staging) per communication endpoint (video systems)
 - Installation costs listed per communication endpoint (video systems)
 - A support agreement must be submitted for a three year program, with a breakdown per unit.
 - Totals from cost sheet must be transferred to ITB price page or bid will be rejected.

Required maintenance levels for new videoconferencing infrastructure:

ALDOT requires support to be inclusive of, but not limited to the following:

ALDOT requires two levels of service:

TANDBERG Manufacturer Onsite Service for all network infrastructures added as a result of this request for bid. This is described as such:

Customer Core Service + On-site Support is Tandberg's premier service offering and provides extensive product support elements. If deemed necessary by the TANDBERG an authorized engineer will be sent to on-site to carry out diagnostic testing to determine the fault.

Help Desk Support

Vendor will provide support for ALDOT end users directly from the first line and beyond:

- Telephone/video support help desk 24/7/365
- 1 hour telephone response time from a certified technician
- Collaboration in solving network issues

Advanced Replacement Parts

If a component or system is diagnosed as faulty, vendor will advance ship a replacement part directly to the customer locations. Parts are shipped same day for next day delivery via Fed-X priority overnight.

Latest software updates

Entitlement to the latest software updates must be included at no cost under 3 year service agreement on new video systems.

Software Update

- Vendor will send e-mail notification to ALDOT when a software update has been released.
- Vendor must provide remote assistance with uploading software.

Maintenance Agreement

Vendor must provide copy of maintenance agreement

REQUESTED EQUIPMENT AND MAINTENANCE

ALDOT EMERGENCY CALL CENTER / CONF. RMS

ITEM #	DESCRIPTION	QTY.	UNIT	EACH	EXT. PRICE
LCD6520L-BK-AV	NEC 65" LCD DISPLAYS	3	EA	\$	\$
460MPn	SAMSUNG 46" LCD DISPLAYS	2	EA	\$	\$
NEXIA VC	BIAMP VC MIXER AND DSP	2	EA	\$	\$
60-558-02	EXTRON C-VIDEO TO SVIDEO	1	EA	\$	\$
232ATSC	COMTEMPORARY RESEARCH ATSC TUNER	3	EA	\$	\$
PZM-10	CROWN CEILING MICS	10	EA	\$	\$
A912MK2	TOA 120 WATT AMP	3	EA	\$	\$
MB25B	TOA RACK MOUNTS	3	EA	\$	\$
U-01S	TOA INPUTS	6	EA	\$	\$
SLV380P	SONY COMBO VCR/DVD	1	EA	\$	\$
EVI-D70	SONY CEILING CAMERAS	3	EA	\$	\$
	FREE-A001036A PICTURE PHONE CEILING KITS	3	EA	\$	\$
	FGP46-16160560 AUTOPATCH 16X 16 Switch	1	EA	\$	\$
60-774-21	EXTRON WPB103 WALL PLATE	3	EA	\$	\$
SRDVM600	JVC 3 IN 1 DVD RECORDING DEVICE	1	EA	\$	\$
26-566-03	EXTRON 12' VGA/VGaw/ AUDIO CABLES	3	EA	\$	\$
26-566-04	EXTRON 25' VGA/VGaw/ AUDIO CABLES	3	EA	\$	\$
	RSH4A55AMXMVPWDS MID-ATLANTIC	1	EA	\$	\$
DSS24+	D-LINK D-SS-24+ RACK MOUNTED SWITCH	1	EA	\$	\$
JG8.O	JUICE GOOSE RACK MOUNT POWER 8 X 1	3	EA	\$	\$
KAR-44-28	RAXXESS 72" RACK	1	EA	\$	\$
EDS-4	RAXXESS DRAWER	1	EA	\$	\$
113545	TANDBERG 6000MXP	1	EA	\$	\$
113545V31D	TANDBERG 3 YR. CUSTOMER CORE	1	EA	\$	\$
113828MS	TANDBERG MP SOFTWARE	1	EA	\$	\$
113828NPP	TANDBERG NPP SOFTWARE	1	EA	\$	\$
FG2105-15	AMX NI-3100/ICS	1	EA	\$	\$
FG5761-10	AMX AXB232++	8	EA	\$	\$
FG5965-05	AMX MVP-8400	1	EA	\$	\$
FG5965-10	AMX TT DOCKING STATION	1	EA	\$	\$
FG2255-50	AMX WAP	1	EA	\$	\$
FG423-41	AMX POWER SUPPLY	1	EA	\$	\$
FG515	AMX RACK	1	EA	\$	\$
	FG10-756-04 AMX RS232 CABLES	6	EA	\$	\$
	FG10-752-04 AMX RS232 CABLES	6	EA	\$	\$
	FG10-000-11 AMX IR EMITTER	2	EA	\$	\$
	FG10-1886-04 AMX RS232 CABLES	3	EA	\$	\$
	ON-SITE PROGRAMMING BY A N AMX	1	EA	\$	\$
	"ACE CERTIFIED" PROGRAMMING		EA	\$	\$
	ON-SITE INSTALL BY "ACE CERT" TECH	1	EA	\$	\$

71910X1	EV RE-2PRO REC	1	EA	\$	\$
71909X1	EV BPU-2PRO BODYPACK	1	EA	\$	\$
	EV LAPEL MIC PART # 301456000	1	EA	\$	\$
PNRU	CHIEF SWING OUT MOUNT FOR 65" DISPLAY	3	EA	\$	\$
	Backing for MTRU- Aldot will provide paint	3	EA	\$	\$
FG2259-04	AMX 10" NXD-100VI	1	EA	\$	\$
MTRU	CHIEF TILT MOUNT FOR 46" DISPLAY	2	EA	\$	\$
	Backing for MTRU- Aldot will provide paint	2	EA	\$	\$
FG5965-20	AMX EXTRA BATTERY PACK	1	EA	\$	\$
UNS-1	RAXXESS SHELVES	3	EA	\$	\$
	AMX source code and drawings "as built"	1	EA	\$	\$
	BOSE MODEL 16 SPEAKERS AND GRIDS	27	EA	\$	\$
	CABLE BUNDLE-AS CABLES NEEDED	1	EA	\$	\$
	INSTALLATION OF SYSTEM	1	EA	\$	\$
	3YR. ON-SITE WARRANTY ON NON-	1	EA	\$	\$
	TANDBERG EQUIPMNET		EA	\$	\$
FG5965-11	AMX WALL /FLUSH MOUNT DOCKING Station	1	EA	\$	\$
FG-2904-54	AMX NXA-RK10 RACK KIT	1	EA	\$	\$

MISC. VTC EQUIPMENT

ITEM #	DESCRIPTION	QTY.	UNIT	EACH	EXT. PRICE
232NTSC	COMP. RESEARCH DIGITAL TURNER	1	EA	\$	\$
115300	TANDBERG 1700MXP	1	EA	\$	\$
115300V31D	TANDBERG CUSOMER CARE 3 YR. SERVICE	1	EA	\$	\$
115358NPP	TANDBERG NPP SOFTWARE	1	EA	\$	\$
115358MP	TANDN\BERG MP SOFTWARE	1	EA	\$	\$

**VIDEO CONFERENCING EQUIPMENT ALREADY OWNED BY ALDOT
FOR ONSITE MAINTENANCE**

Equipment is located in Montgomery offices and all nine Division offices.

<u>Model</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit</u>
AKG	WMS 8197	2	EA
AKG	HEADSET MIC	4	EA
AKG	WIRELESS MICROPHONE	2	EA
AMX	AXB-232++	4	EA
AMX	FG-423-41 POWER SUPPLY	2	EA
AMX	AXB-VOL3	1	EA
AMX	AXB-232++	4	EA
AMX	AXB-VOL3	1	EA
AMX	AUTOPATCH OPTIMA-3RU	2	EA
AMX	AUTOPATCH MATRIX SWITCHCER	2	EA
AMX	NETLIX INTEGRATED CONTROLLER	2	EA
AMX	FG2254-10 ETHERNET BOX	2	EA
AMX	WAP	2	EA
BOGEN	AUDIO AMP	1	EA
BOSE	SPEAKER	15	EA
CONT. RESEARCH	HDTV TUNER (RS-232)	4	EA
CRESTRON	C2N-VEQ4	1	EA
CRESTRON	ST-COM	2	EA
CRESTRON	TOUCH PANEL REMOTE	2	EA
CRESTRON	SS AUDIO PROCESSOR	1	EA
CRESTRON	MULTI-CONNECT NET UNIT	1	EA
CRESTRON	POWER SUPPLY	1	EA
CRESTRON	MULTI-FEED VIDEO PROC.	1	EA
CRESTRON	VIDEO SENSOR	1	EA
DALITE	100" INSTA-THEATER	13	EA
EXTRON	C-S VIDEO CONVERTER BOX	2	EA
EXTRON	RGB160XI	4	EA
EXTRON	A/V SIGNAL SWITCH	1	EA
EXTRON	VIDEO SIGNAL AMP	5	EA
EXTRON	SS AUDIO PROCESSOR	1	EA
EXTRON	PC-VIDEO CONVERTER	1	EA
EXTRON	A/V SIGNAL SWITCH	2	EA
JUICE GOOSE	RACK MOUNTED PWR SPLY	4	EA
MIDDLE	TBD EQUIPMENT RACK	1	EA
MITSUBISHI	40" LCD DISPLAY	1	EA
MITSUBISHI	LCD DISPLAY STAND	1	EA
MITSUBISHI	LCD DISPLAY SPEAKER	2	EA
MODERO	TC REMOTE/VIEWPOINT MVP-8400	2	EA
MODERO	TC REMOTE (RACK MOUNTED)	2	EA
NEC	NP2000 PROJECTOR	2	EA

NEC	PX 50XM48 PLASMA MON.	3	EA
RAXXESS	RACK/ENCLOSURE	2	EA
RAXXESS	RACK/ENCLOSURE	2	EA
RDL	MIC MIXER / 4 x 1 INPUT	4	EA
RDL	20W AMPLIFIER	4	EA
SABINE	AUD. FEEDBACK ELIM.	4	EA
SAMSUNG	63" LCD TV	2	EA
SAMSUNG	50" LCD TV	2	EA
SAMSUNG	46" LCD MONITOR	4	EA
SANYO	PROJECTOR	1	EA
SHURE	SCM410 MIC/LINE MIXER	4	EA
SHURE	MIC/LINE MIXER	14	EA
SHURE	MIC (W/HEADSET)	2	EA
SMART	SMART BOARD OVERLAY	1	EA
SONY	DVD PLAYER	1	EA
SONY	VCR	1	EA
SONY	EV1-D100 VTC CAMERA	7	EA
SONY	DVD RECORDER	1	EA
SONY	DVD/VCR COMBO	4	EA
SOUNDCRAFT	HTF-3232-RR PODIUM	1	EA
SPEAKER	SUB-12 SUB WOOFER	1	EA
SPEAKER	AMP (35W)	1	EA
SPEAKER	AIM82	1	EA
STARBAK	TORRENT VCG	1	EA
TANDBERG	1500 MXP	8	EA
TANDBERG	2000 MXP	15	EA
TANDBERG	1700 MXP	4	EA
TANDBERG	3000 MXP	5	EA
TANDBERG	6000 MXP CODEC	3	EA
TANDBERG	770 MXP (MEDIA CART)	12	EA
TANDBERG	990 MXP	4	EA
TANDBERG	AUDIOSCIENCE CEIL. MIC	2	EA
TANDBERG	AUDIOSCIENCE DIR. MIC	1	EA
TANDBERG	GATEKEEPER	1	EA
TANDBERG	MPS800-MCU	1	EA
TANDBERG	BORDER CONTROLLER	1	EA
TOA	900 SERIES AMPLIFIER	3	EA
TOA	SOUND AMPLIFIER	2	EA
TOSHIBA	DVD/VHS COMBO	1	EA
WIRELESS	RF KEYBOARD	2	EA