

G-27-903713
1420568

ALABAMA DEPARTMENT OF TRANSPORTATION

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 page 4.

The existing hardware is listed on pages 5-6.

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 ACCOUNTING BUREAU CONF. RM

| ITEM # | DESCRIPTION | QTY. | UNIT | EACH | EXT. PRICE |
|------------|--|------|------|------|------------|
| 460MPn | SAMSUNG 46" LCD W/ TUNER | 2 | EA | \$ | \$ |
| PWCU | CHIEF WALL MOUNT FOR CPU W/ TILT | 2 | EA | \$ | \$ |
| FP-MX4 | RDL MIC MIXER 4 X 1 | 1 | EA | \$ | \$ |
| PS-24E | RDL POWER SUPPLY | 1 | EA | \$ | \$ |
| FP-PA20A | RDL AMP -20 WATTS | 1 | EA | \$ | \$ |
| PS24U2A | RDL POWER SUPPLY | 1 | EA | \$ | \$ |
| PZM-10 | CROWN CEILING MICS | 3 | EA | \$ | \$ |
| FREE-40152 | A001000A PICTURE PHONE MOUNT / 990 BOSE MODEL 16 SPEAKERS | 1 | EA | \$ | \$ |
| 29830 | BOSE CEILING GRIDS | 2 | EA | \$ | \$ |
| 11350 | TANDBERG 990MXP | 1 | EA | \$ | \$ |
| 11350V31D | TANDBERG 3 Y CUSTOMER CORE SERVICE | 1 | EA | \$ | \$ |
| 113824NPP | TANDBERG NPP SOFTWARE | 1 | EA | \$ | \$ |
| 113824MS | TANDBERG MSS SOFTWARE | 1 | EA | \$ | \$ |
| 60-774-21 | EXTRON WP103 WALL PLATE | 2 | EA | \$ | \$ |
| 26-624-35 | EXTRON WP103 CABLE KIT | 2 | EA | \$ | \$ |
| 26-541-02 | EXTRON 4 PIN S-VIDEO TO 2 BNC (M) | 1 | EA | \$ | \$ |
| FG2105-70 | AMX NI-700 | 1 | EA | \$ | \$ |
| FG2261-01 | AMX NXD-CV5 5" WIDESSCREEN PANEL | 1 | EA | \$ | \$ |
| FG423-17 | AMX POWER SUPPLY | 1 | EA | \$ | \$ |
| | FG10-756-04 AMX CC-232 CABLES | 2 | EA | \$ | \$ |
| | AMX PROGRAMMING FROM "ACE" CERT. PROGRAMMER | 1 | EA | \$ | \$ |
| | ON-SITE INSTALL AND TRAINING FROM "ACE CERT." PROGRAMMER | 1 | EA | \$ | \$ |
| | CABLE AND HARDWARE BUNDLE | 1 | EA | \$ | \$ |
| | AMX SOURCE CODE AND DRAWINGS | 1 | EA | \$ | \$ |
| | INSTALLATION | 1 | EA | \$ | \$ |
| 26-566-03 | EXTRON 12' VGA/VGA M/M w/AUDIO cables | 2 | 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 SWITCHER | 2 | EA |
| AMX | NETLINX 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 |