



PROPOSAL

December 3, 2018

REV 1: January 4, 2019

**KLAMATH COUNTY JUVENILE
Klamath Falls, Oregon**

RETROFIT CCTV SYSTEM

Accurate Electric Unlimited (AEU) is pleased to provide this proposal for labor and materials for the complete retrofit of the current integrated Closed Circuit TeleVision (CCTV) system for the lot sum total of **\$ 27,879 (USD)**

EXISTING CONDITIONS

The Klamath County Juvenile facility was built circa 2004-5. The current CCTV system is comprised of a Vicon CCTV 'switcher', model 1422, and digital video recorders known as 'Viconnet'. The interface between the intercom controller and the camera switcher is broken. This analog system is aging where spare parts are no longer available. The Vicon 1422 switcher, the heartbeat equipment of the control room, is no longer made. No CCTV manufacturer is no longer offering analog switchers anymore as the market has transitioned to digital camera systems.

AEU has experience in the emergency replacement of the analog CCTV systems. It can be completed in about 4 days on site, but has proven to be very expensive. Planned transition and upgrades save roughly 30% of the emergency upgrade costs.

AEU recommends immediate replacement.

PROPOSED REPLACEMENT OF THE EXISTING SYSTEM

AEU proposes to provide and install a digital CCTV system known as Valerus. This new platform was introduced in July, 2017, and has proven to be the next generation of CCTV software management platforms. Using Vicon Valerus is compatible with any future Touch Screen upgrade. The Klamath County Jail utilizes Vicon Valerus.

Valerus is a computer based CCTV management platform where the software is the next generation with many benefits. The main feature is the amount of equipment and software is

greatly reduced. An analog video switcher (128X16) would price out at \$60K in 2014. The Valerus computer hardware and switcher is now about \$4K, substantial savings.

AEU proposes to retrofit the existing system by adding two 16 channel encoders. The existing analog cameras will be integrated into the encoders. This will accommodate up to 32 analog cameras. Next, AEU will provide a POE Network switch, 24 ports, that would provide room for 22 future digital cameras. With the two encoders on a new hi-speed network switch, AEU will integrate two new Valerus workstations. One workstation with two 23-inch monitors will be in Control. The other workstation with 1 monitor can be located at any administrator's office for supervisory video management and control. AEU will provide network connections locally in the control room and security electronics room. This proposal does not include a network connection (cable & jack) to an administrator's office without a connection. AEU can also integrate the Valerus system into the County network, like the Klamath County Jail.

The Valerus system will have 24 TB of storage with expansion capability. Furthermore, AEU is providing 'off the shelf' interfaces that connect from the Telecor system to the proposed Vicon Valerus system. Upon selection of an intercom station, 1 or 2 camera views will be displayed on the new monitors in the control room.

SCHEDULE

Upon notice to proceed AEU will order the equipment. Please allow up to two weeks for delivery. Once the equipment is received AEU will factory assemble, program, and test the proposed computer systems. Once each 'point' is tested, AEU will schedule with the facility an installation time.

Since the system is relatively small, AEU estimates 3 days total to complete the retrofit on site

SCHEDULE OF VALUES

Total **\$27,879.00 (USD)**

Inclusions:

- 1) One (1) year warranty parts and labor.
- 2) Two (2) year Manufacturer's Warranty on all Vicon parts.
- 3) End User Software Agreement (Attachment A)
- 4) All software licenses and copies of all software programs will be issued to Klamath County.

Exclusions:

- 1) After hours work. (Work proposed for business hours only)
- 2) Failed latent conditions of existing field devices; cameras, locks, intercom stations, and door position switches.
- 3) Electrical Permit. The work being completed is factored as an upgrade to the existing.

This Proposal Respectfully Submitted by;

James Monroe

James Monroe, AEU
December 3, 2018

This Proposal Accepted by;

Dan Golden, Klamath County Juvenile Services
Director

DATE: _____