

*Newman Electronics, LLC*

1202 N. Jefferson Ave.  
Mt. Pleasant, TX. 75455  
Phone 903-572-4182  
Dennis Newman, *owner*

TO: Titus County Commissioners Court

FROM: Dennis Newman  
Newman Electronics, LLC

DATE: May 7, 2018

SUBJECT: This letter has two bid options for consideration. The first is the installation of eight 2 mega-pixel cameras. The second option has eight 8.1 mega-pixel cameras. Both options are to view the parking lots around the Titus County Courthouse and the process necessary to obtain clear video. Installing eight cameras would give you a view of each side of the cars parked in the lots and the longest distance from a camera to a vehicle would be 84'. Having a view of both sides of the vehicles also prevents the vehicles from blocking the view of any type of activity that might occur. The angle at which the cars are parked makes it difficult to view plates at long distances. The second option is the highest resolution camera available. These cameras would have the best chance of obtaining a license plate and the clearest image possible.

SCOPE OF WORK:

In order to obtain a clear view of the parking lots on each of the four sides of the courthouse with surveillance cameras, the only clear field of view of the parking lots would be obtained from installing the cameras on the lamp post which are on the four corners in line with the parking on the lot. We can then use wireless access points to send the video signal through a wireless internet connection to the main courthouse building and then into a new NVR (network video recorder) with normal network cable to allow the video to be recorded. Each option below would require a weather-proof box on each of the four poles which would house the necessary switch, POE injectors, and fan to facilitate operation of the cameras. We will install access points on the courthouse to receive the data and install the software on each of the four computers in the county currently monitoring the cameras. We have several of these types of surveillance installations currently in place in other locations and they have proved to be very reliable.

We would need to obtain the cooperation of the City of Mt. Pleasant and AEP (SWEPCO) in mounting the equipment on the poles. These poles are AEP's property, so we would need permission. We need the City of Mt. Pleasant's electrician to add electrical outlets at the tops of the poles. There are electrical outlets already at the bottom of the poles, so this should be a minor installation for them and this should save money over contracting an outside electrician.

The equipment I am providing in this bid is Costar brand. Costar is an industry leader in surveillance and is used by Walmart and Costco as well as many financial institutions. They are based out of Coppel, Texas, which would mean they can provide parts to us by the next business day.

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OPTION ONE: Install eight IP cameras with two mega-pixel resolution and one access point on each of the poles on each corner of the parking lot to enable viewing the parking lot. Install an eight camera NVR (network video recorder) with 24TB (terra-bytes) of hard drive. **This option would cost \$12,479.00 in parts and \$3800.00 in labor for a total of \$16,279.00.**

OPTION TWO: Install eight IP cameras with 8.1 mega-pixel resolution and one access point on each of the poles on each corner of the parking lot to enable viewing the parking lot. Since these cameras will use more hard drive space I have increased the hard drive size in the NVR to 36TB. **This option would cost \$18,097.00 in parts and \$3800.00 in labor for a total of \$21,897.00.**

Supply a two-year parts warranty and a one-year labor warranty on the installed equipment. All warranties exclude lightning, power surges, brown outs, other acts of God, and customer/employee abuse or neglect.

Thank you for the opportunity to bid on this improvement to your facility.