



Ann Wickett/Chieftain

Doug Goracke adds the finishing touches for installing this new LED ornamental light fixture around the Johnson County Courtyard.

New lights mean energy savings

By Ann Wickett
News Editor

Within in the last two weeks, Tecumseh's Public Properties crew has been installing new lighting around the historical square that will create an almost 50 percent energy savings for the city. The city was able to install these new lights because of the 80/20 EECDBG matching grant the city was awarded upon proving there would be an energy savings. Since the energy grant pricing came in lower than expected, the city was able to install some residential lighting as well.

The overall contract sum for materials totaled \$129,368. This did not include labor costs. The city's portion of this cost was \$25,873.60.

According to Becky Zoubek, LC, LEED, AP with Olsson Associates, the energy savings is related to the

fact that the new fixtures consist of LED (Light Emitting Diode) lighting, which results in lower energy usage and maintenance. Zoubek said the LED light is a white light, which will result in better perception at half the energy. The LED lighting is expected to last 50,000 to 70,000 hours, about twice as long as the high-pressure sodium lighting.

The Tecumseh Public Properties crew replaced 12, 250-watt, high-pressure sodium light fixtures around the exterior of the business square, with new 156-watt LED fixtures which produces an almost 50 percent reduction in energy usage. The crew also replaced the 13 poles consisting of five, 500-watt, high-pressure sodium ornamental fixtures around the Johnson County Courtyard with two, 116-watt LED light fixtures per pole creating a 65 percent energy savings.