



March 4, 2014

Ms. Sheri Moino
Facilities Manager
City of Coppell
816 S. Coppell Road
Coppell, TX 75019

Sheri,

The new lighting plan at Town Center was designed to increase the existing light levels, provide better uniformity and provide a safer environment. The existing parking lot lighting at Town Center consist of few poles with Metal Halide single luminaires, they appear to be original to the City Hall construction. These light poles were installed when the trees were much smaller, as the trees grew and their canopies broadened the lighting was obstructed and resulted in minimal lighting actually getting to the pavement.

The current design was based on pole locations to avoid the tree canopies as best as possible and to provide illumination in the various parking areas. The current design utilizes LED lighting technology which reduces the energy usage on a per fixture basis, reduces maintenance cost and provides better uniformity across the parking lot.

IESNA (Illuminating Engineering Society of North America) recommends a **minimum** of .5 footcandles average, however we believe this light level to be far too low for high traffic and pedestrian areas, most public parking lots have a 2.0 footcandle minimum for insurance purposes. The current design has an average light level in the parking areas of 3.88 footcandles. The higher light level will provide better visibility and security for pedestrians walking to or from their vehicles.

Best Regards,
Jim Weathers
Principal
Engineering Associates