



SOLAR LED LIGHTING FOR CONDER PARK PARKING LOT AND LONG BRANCH PARK

RS-22-052

April 19, 2022

Background

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- ❑ Recreation Services (RS) is seeking to install twenty-two (22) solar LED light fixtures at the Conder Park parking lot and Long Branch Park by the splash pad as part of our ARPA park improvements. Project aligns with our Parks Master plan
- ❑ Eighteen (18) at Conder Park
- ❑ Four (4) Solar LED lights within Long Branch Park
- ❑ The new lights at both parks will be All-in-One Smart Slide



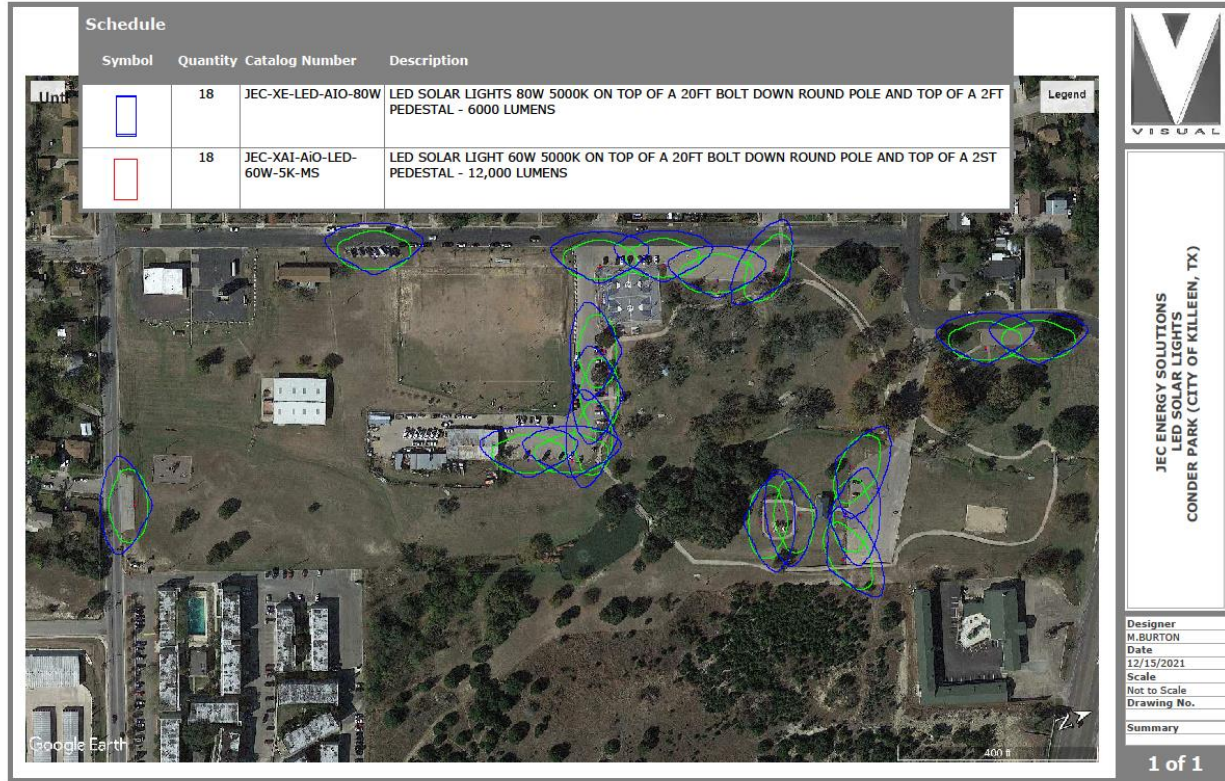
Conder Park Parking Lot

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- ❑ Conder Park has been part of the City of Killeen parks system for almost 60 years
- ❑ Conder Park has very limited lighting within the park
- ❑ RS will install new light poles, anchor base, base cover, and the smart solar LED light panel
- ❑ Poles will be installed on a poured concrete pedestal

Light Placement

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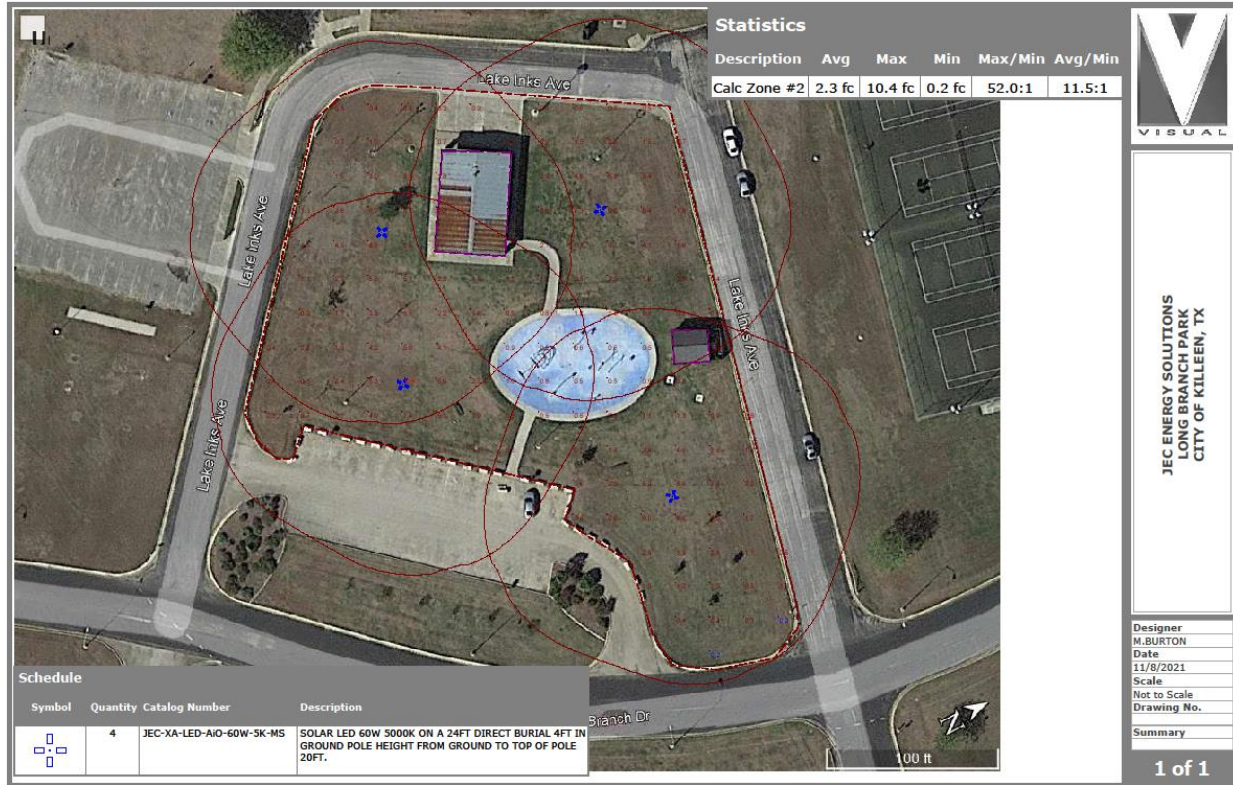
Long Branch Park

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- ❑ Long Branch currently has no lighting at the splash pad
- ❑ Adding this LED Solar light system within Long Branch Park will allow park users to utilize this space well into the hours of darkness safely, adding a large safety element within the park
- ❑ 4 poles added with (16) lights (4 lights per pole)
- ❑ RS will install new light poles, anchor base, base cover, and the smart solar LED light panel poles will be ground mount at two feet deep

Light Placement

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Smart Solar LED Light Panel

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- ❑ All-In-One panel includes the solar panel, LED light, battery, battery charger, and motion sensor
- ❑ Bright LED lights include infrared motion sensors to detect people as they walk by
- ❑ Instant on/off capabilities
- ❑ No flickering or buzzing
- ❑ JEC Energy Solutions is a member of the Texas BuyBoard Purchasing Cooperative



Benefits

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- ❑ Solar LED lighting is energy efficient, largely reducing the financial impact on the City
- ❑ The absence of wiring will limit vandalism and reduce the cost of maintenance and repairs
- ❑ LED lighting is brighter, creating a safer environment for citizens utilizing the parks
- ❑ Includes a 5-year warranty

Financial Impact

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Park	Cost
Conder Park Parking Lot	\$73,791.10
Long Branch Park	\$48,579.09
Total	\$122,370.19

Alternatives

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- The City Council has two (2) alternatives:
 - ▣ Option 1 – Do not approve the purchase and installation of solar LED lights;
 - ▣ Option 2 – Approve the purchase and installation of solar LED lights

Recommendation

- Staff recommends City Council approve the purchase of the solar LED lights for both parks through JEC Energy Solutions, not to exceed \$122,370.19 in FY22 and that the City Manager or designee be authorized to execute any change orders as permitted by state and local law