

City of Tamarac
Interoffice Memorandum
Public Services Department

To: Michael C. Cernech, City Manager
Thru: Jack Strain, Public Services Director
From: Mike Cain, Public Services Superintendent
Date: January 15, 2020
Re: Temp. Reso. #13394 Street Light Replacement – Fiscal Year 2020
City Commission Meeting of February 12, 2020

Recommendation:

I recommend the purchase and installation of new LED Street Lights with Imperial Electric, Inc., at a cost not to exceed the approved annual budget in FY 2020 (\$150,870.00), as part of the Citywide Street Light Replacement Program Phase II, utilizing the Southeast Florida Governmental Purchasing Cooperative Group contract agreement with the City of Miami Gardens for street light replacement and installation, ITB No. 16-17-029. Imperial Electric, Inc. was the winning bidder.

Issue:

Purchase and installation of street lights at various locations within the City of Tamarac as part of the Citywide Street Light Replacement Program.

Background:

The City of Tamarac has established as a key goal to provide a “Healthy Financial Environment”. The City seeks out opportunities to meet this goal, and one such way is to utilize more energy efficient lighting fixtures. Street lights and parking lot lights are fixtures that are critically important fixtures that require ongoing use. Changing out less energy efficient fixtures and replacing them with energy efficient and longer-lasting induction lighting is one way to reduce overall energy consumption and allow for longer life-cycle of the lamps. Annual savings are difficult to accurately calculate; however, the fixtures are anticipated to last 100,000 hours, and saves an average of 40 - 60% over comparable HPS fixtures. The new LED fixtures offer a significant savings on energy, these new LED fixtures offer up to 20 years of maintenance free operation along with a 10-year warranty.

There are also 13 decorative teardrop lights on State Road 7 from W. Commercial Boulevard going south to Presidents Plaza at 4699 N. State Road 7. These lights were installed approximately 12 years ago by FDOT and are currently using high pressure sodium bulbs. To replace these fixtures the City of Tamarac would have to absorb a cost of \$50,440.00 (including installation) to replace all 13 of them.

Jan Lighting offers an LED retro fit kit that comes with a 5-year warranty and up to 20 years of maintenance free operation. This kit is not only water resistant, but it is currently the only LED retro fit kit on the FDOT product approval list (715-009-00). This kit is smaller than the existing

internal components allowing more air to circulate within the fixture itself to provide a cooler environment essentially adding operational life to the components.

The City of Tamarac would absorb a cost of \$8,905 (including installation) for a savings of \$41,535.00.

F/Y 2019 cost \$145,200.00

F/Y 2020 cost \$110,905.00

Estimated savings of \$34,295.00

The City has determined the agreement between the City of Miami Gardens and Imperial Electric, Inc., an agreement which is part of the Southeast Florida Government Purchasing Cooperative, is a cost-effective means to repair and replace the City's street lights. That Agreement is effective through November 8, 2020 and is eligible for three one-year renewals.

Fiscal Impact:

The purchase and installation of 150 LED Street lights shall not exceed a total of \$169,670.00. The project has been split over FY 2019 and FY 2020. The proposed resolution is for the Fiscal Year 2020 Adopted Budget portion of \$150,870.00. The proposed Resolution authorizes the appropriate City Officials to expend the funding in the FY 2020 Adopted Budget for said purpose.