



City of Eustis

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TO: EUSTIS CITY COMMISSION

FROM: Tom Carrino, City Manager

DATE: February 1, 2024

RE: Resolution Number 24-18: Lake County Request for Traffic Signal and School Flashers Cloud Service Upgrade

Introduction:

Resolution Number 24-18 authorizes the City Manager to approve Lake County's request to upgrade ten (10) School Flashers and four (4) Traffic Signals to a cloud service over the next three years.

Background:

The City of Eustis approved an Interlocal Agreement with Lake County for traffic signal maintenance at the October 17, 2013, City Commission meeting. The agreement requires periodic adjustments to update the ownership and maintenance records between the City of Eustis, Lake County, and the Florida Department of Transportation (FDOT).

On January 5, 2016, the City approved Resolution Number 16-05 which included a contract amendment with Lake County Public Works covering additional reporting requirements and maintenance criteria from the FDOT, which included an adjustment in fees per signals on the FDOT system. This signed agreement, dated January 5th, 2016, paragraph 5C, references the City's responsibilities for all other operational costs associated with traffic signals, flashing beacons, warning flashers, or school flashers.

Currently, Lake County is adding wireless devices to County-owned traffic signals and converting County-owned school flashers to cloud service. These changes will replace the old technology and allow the County to continue using monitoring devices from their Traffic Operations Department office; diagnosing issues before driving to the site; or make school flasher time changes upon request, all within only a few minutes. This improves and reduces costs significantly, allowing the County to provide high quality maintenance service for the traffic devices.

The County is requesting the City to budget for four (4) Traffic signals and five (5) School Flashers over the next three-years. Refer to the breakdown of the costs, and the table below:

- The upgrade for the four (4) Traffic Signals will have a \$400 one-time cost and a yearly cost of \$450.00 each.
- The upgrade of the five (5) school flashers will include a price of \$2,506.00 with 5-years of cloud service. The City currently has fourteen (14) School Flashers, which five (5) will be upgraded for Fiscal Year 2025/26, five (5) School Flashers will be upgraded in Fiscal Year 2026/27, and the remaining four (4) School Flashers will be upgraded in Fiscal Year 2027/28.

Fiscal Year 2025/26					
Type	No. of Traffic Signal Devices	One Time	Annual	One Time Total	Annual Total
Traffic Signals	4	\$ 400.00	\$ 450.00	\$ 1,600.00	\$ 1,800.00
School Flashers*	5	\$ 2,506.00	\$ 0.00	\$ 12,530.00	\$ 0.00
Fiscal Year 2025 Total				\$ 14,130.00	\$ 1,800.00
Fiscal Year 2026/27					
Type	No. of Traffic Signal Devices	One Time	Annual	One Time Total	Annual Total
Traffic Signals	4	\$ 0.00	\$ 450.00	\$ 0.00	\$ 1,800.00
School Flashers*	5	\$ 2,506.00	\$ 0.00	\$ 12,530.00	\$ 0.00
Fiscal Year 2026 Total				\$ 12,530.00	\$ 1,800.00
Fiscal Year 2027/28					
Type	No. of Traffic Signal Devices	One Time	Annual	One Time Total	Annual Total
Traffic Signals	4	\$ 0.00	\$ 450.00	\$ 0.00	\$ 1,800.00
School Flashers*	4	\$ 2,506.00	\$ 0.00	\$ 10,024.00	\$ 0.00
Fiscal Year 2027 Total				\$ 10,024.00	\$ 1,800.00

* Five Year Cloud Service Plan

The County's request to upgrade these traffic signals requires the City of Eustis to budget additional funds: \$15,930 for FY 2025/26, \$14,330 for FY 2026/27, and \$11,824 for FY 2027/28.

Recommended Action:

Staff recommends approval of Resolution Number 24-18

Policy Implications:

n/a

Alternatives:

There is no alternative to approving the agreement, because FS 316.006(a) states that municipalities have original jurisdiction over all traffic signals, whether for installation, maintenance, replacement, or otherwise, within their city limits. FS 316.006(c) allows the municipality to delegate its regulatory authority to the county by interlocal agreement, which occurred on November 7, 2001, between the City of Eustis and Lake County. In

addition, Resolution Number 16-05, which includes the signed agreement from January 5, 2016, outlines additional city responsibilities in paragraphs 4D, 5C, and 5D.

Budget/Staff Impact:

This Lake County request will impact Account Number 013-4120-541-30-46 which budgets the funds to pay Lake County for the Traffic Signal Maintenance fees. This will result in maintenance fee increases of \$15,930.00 for FY 2025/26; \$14,330.00 for FY 2026/27; and \$11,824 for FY 2027/28.

Prepared By:

Daniel Millan, Staff Engineer

Reviewed By:

Rick Gierok, Director of Public Works & Utilities
Sally Mayer, Administrative Assistant, Public Utilities

Attachments:

- Resolution Number 24-18
- Resolution Number 16-05

Available Upon Request:

- Amended Interlocal Agreement Between Lake County and City of Eustis
- Original Interlocal Agreement Between Lake County and City of Eustis (2001)
- Lake County Request Letter
- Eustis Signal List
- Lake County's Eustis Estimated Costs