



LEGISLATIVE MEMORANDUM

TO:	Honorable Mayor and Members of the City Council
FROM:	Suzanne Sherman, City Manager
THRU:	Valentino Perez, Public Works Director
DATE:	January 18, 2024
RE:	Consideration to appropriate General Fund Undesignated Fund Balance to purchase software updates and replacement of obsolete survey data collectors for Public Works Survey Section (\$18,634).

SUMMARY:

The Public Works Department is requesting an appropriation of General Fund Undesignated Fund Balance in the amount of \$18,634 to update software and survey data for the surveying crew.

This request provides for the renewal of the yearly license of Leica Infinity software. The renewal allows for continued technical support and updates, including interim version updates of this processing software, used in conjunction with Public Works' Digital Level operations. Infinity allows benchmark field files to be rapidly processed and any errors flagged, allowing for the continued setting and replacement of the City's 10,000 plus passive marks in an efficient manner. The yearly license for Trimble Business Center (TBC) software also needs to be renewed. TBC is used to process, analyze, and manipulate field data from the Department's Total Stations and GPS Rovers. Because of the digital nature of the field data, without TBC, it would not be possible to use the field equipment being used presently.

Annual Hardware Maintenance, Software and Firmware upgrades, and customer support renewals are needed for the SP85 GPS Rover, SP90m GPS Base Station, LS 10 Digital Level, and both TS06 Total Stations. All hardware items require coverage due to the complexity of the equipment. It's especially important for the Base Station to be up to date as other departments use the service.

Two (2) data collectors need full replacement. Data Collectors (computers) are the field computers that allow the operation of both the Total Station (transit) and the GPS Rovers. The City uses equipment manufactured and software developed by SpectraGeospatial. SpectraGeospatial was acquired by Trimble Inc. Due to the acquisition and age of the hardware, support for SpectraGeospatial products has terminated. Migration over to Trimble products is essential to

continue field operations. The purchase of two (2) Trimble Data Collectors and associated software is recommended to continue uninterrupted operations of the Public Works Survey Section.

REQUESTING DEPARTMENTS:

Public Works

FISCAL IMPACT:

The total amount of \$18,634 is being requested from General Fund Undesignated Fund Balance, account 001-0000-392.1001. If approved, \$9,442 will be transferred into account 001-7013-541.5104, Software <\$5,000; and \$9,192 will be transferred into account 001-7013-541-5108, Computer Hardware< \$5,000.

STAFF RECOMMENDATION:

Motion to approve the appropriation of \$18,634 of General Fund Undesignated Fund Balance for the purchase of software updates and replacement of obsolete Survey Data Collectors for Public Works' Survey Section.

ATTACHMENTS:

1. FY24 Leica (FLT) Quotes PALM_BAY
2. FY24 Ranger Quotes Q-21055-20231213-1332 City of Palm Bay TSC5 w_Access
3. FY24 SP90 GPS Base Station Quote City of Palm Bay Public Works Q# 25847
4. FY24 TBC & SP85 City of Palm Bay Q# 29345