

Monday, August 5, 2024

Tyisha Walker-Myers
President, Board of Alders
Ward #23
Board of Alders
165 Church Street
New Haven, CT 06510

RE: RESOLUTION OF THE NEW HAVEN BOARD OF ALDERS AUTHORIZING THE CITY CONTROLLER TO ENTER INTO A THREE-YEAR AGREEMENT WITH ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC., FOR THE PERIOD OF JULY 1, 2024 THROUGH JUNE 30, 2027 IN THE AMOUNT OF \$402,100.00 TO PROVIDE GIS SERVICES TO THE CITY OF NEW HAVEN.

Dear Honorable President Mrs. Walker-Myers:

As per by General Code of Ordinance Section 2-376 (A) of the Code of General Ordinances, I am submitting a resolution to the Board of Alders, for consideration of Unanimous Consent to enter a three-year and three-month agreement in the amount of \$402,100.00 with Environmental Systems Research Systems, Inc. for GIS services.

The Information Technology received the quote/ agreement dated June 4, 2024, regarding the GIS services that were set to expire September 30, 2024. IT was working with the vendor on rates and other matters related to services. Due to extenuating circumstances, we were not able to submit the agreement / quote to the Board of Alders in time for the June or July meeting. The City worked with the vendor to extend services for the month of October to ensure GIS services remain current.

The ESRI Small Government Term Enterprise License Agreement is a 3-year software license agreement that provides a discounted price on the GIS software that the City uses. This software includes both locally hosted and cloud-based web GIS capabilities, desktop software licensing, real-time GIS capability, as well as access to curated demographic and market research data. Additionally, this licensing agreement comes with access to training, support, technical assistance, and access to industry events, both in-person and virtual.

Altogether, this software allows the City to create, maintain, analyze, and publish locationally enabled content for use both internally by the city and for the public. The city has been using ESRI software for the past 20 years, however, the use of the technology has increased dramatically in the last 4-5 years. As such, the GIS platform is used extensively throughout the Cities departments and allows datasets to be shared between departments in a way that allows for better decision-making and cooperation. The following is a list of the departments that use GIS and their current primary use.

- Assessor's Office / LCI / OBIE – parcel information maintenance and land record research, using imagery to identify unlicensed construction.
- Engineering – cataloging and maintaining City infrastructure assets (storm sewers, outfalls, sidewalks, etc.) and using these in assets in workflows for maintenance, inspections, public

notifications, and analyzing traffic accident info from NHPD to help focus efforts on street improvements.

- City Plan – maintain zoning and historic district information, analyze parcels for decision-making (CPC BZA). A platform for public notification and engagement for the various commissions via configurable websites. Advanced planning tool for zoning visualization, performing what-if scenarios by using a 3D model of the city.
- Police Department – crime analysis, COMPSTAT, crime tracking
- Fire Department – hydrant information management, overdose incident tracking, basemap information for use in the NHFDs MDT.
- CSA – information capture (i.e. homeless encampments), data analysis, and data display both internal and external (Food Policy, Harm Reduction Task Force, Community outreach).
- T&P – managing city transportation infrastructure, integrating into workflow management, and analyzing traffic accident info from NHPD to help focus efforts on street improvements.
- DPW & Parks – Public notification of assets (parks, splash pads, etc.), vehicle tracking during winter operations, and analysis of public request information.
- Health Department – heavy user in health information analysis, and public display using web applications and sites.

This extensive use of the GIS system has resulted in winning two separate industry awards in both 2019 and 2021. Both awards are the Special Achievement in GIS award presented by Esri at their annual user's conference. The award in 2019 was given to us for expanding the use of GIS throughout the city leveraging that use cross-departmental cooperation and coordination. The award in 2021 was given specifically to City Plan for their implementation of ArcGIS Urban, an advanced planning tool that allows the department to use 3D imagery and buildings to perform what-if scenarios and better visualize upcoming building developments in the context of the city to allow for better decisions by the department and to share more easily with stakeholders. This will be a renewal of the licensing agreement and will allow the GIS program to continue to improve the way the city uses and publishes its data.

With the importance of this software and services, I am asking for unanimous consent from the Board of Alders for the City to enter into a three-year and three-month agreement with

Environmental Systems Research Institute, Inc., In the Amount of \$402,100.00, for GIS Services.

Please feel free to contact me with any questions.

Michael S. Simeone
Chief Technology Officer