City of Venice

Information Technology Department

M E M O R A N D U M

Date: May 20, 2016

From: Jeff Bolen, Information Systems Director

RE: Purchase of ESRI Enterprise License Agreement

Summary: In 2013, consultants by the name of Geographic Technologies Group, (GTG), were tasked to take a look at our current GIS capabilities and to provide recommendations as to how the City should proceed based on input from all City departments. Attached to the agenda as backup material is that report. It is GTG's recommendation, based on their study, that we move to the ESRI Small Municipal and County Government Enterprise License Agreement, (ELA).

After the study, a Technology Focus Group, (TFG), was formed with membership comprised of staff from every department in the City. A primary focus of the TFG is to ensure consistency in the implementation of GIS technology among all departments. The TFG unanimously supports acquisition and implementation of the ESRI ELA as proposed herein. The TFG maintains that this is greatly needed and will enhance productivity, will make mapping and other information available to everyone in City (not just the 7 current City staff), provide new ways of sharing information with the public, and maintain our compatibility with 95%+/- of other GIS endeavors, including Sarasota County, North Port, and the City of Sarasota.

Licenses & Costs: We currently have 7 single-seat licenses in the City which cost $7,400 annually. We also have a mapping program called GIS Connect which costs $6,200 a year which allows read-only access and does not allow us to publish GIS maps to outside users. These total $13,600 and both would be eliminated with the ESRI ELA purchase.

The ESRI ELA costs are as follows:

1. Year 1 - $43,800.00
2. Year 2 - $29,600.00
3. Year 3 - $29,600.00

The first year costs are higher because of services that are needed to install and ensure proper operation, and to consolidate all of our GIS data files. Once this system is installed the yearly price drops to the cost of the license per year which is $29,600.00.

Rather than add to the 7 current of individual GIS licenses at $1,500/year each, the ESRI ELA will allow all GIS users to be under a single license, all having the same capabilities. It will assist with central management of GIS files, software, etc. in a central location (the server) rather than the distributed file storage that is currently taking place amongst multiple (dozens) locations. Right now, due to the individual license arrangement, many staff who would enjoy

benefits from accessing GIS data cannot access the data without paying for an individual license at $1,500/year. The individual licenses are expensive and are typically not needed by many some staff who simply need to access the data but don't need to edit it or be GIS experts. For example, Utilities recently has had hundreds of sewer videos linked to our GIS maps, but currently only those with a GIS license can easily access those videos through a GIS map. Utilities has also just completed linking over 600 record drawings to the GIS maps, but currently only those with individual licenses can access those data.

As a specific example for the need of a centralized, managed system, by Florida Statute, the City is required to perform utility locates for any underground activities that take place within the areas that we own utilities. Finding all construction data for City utilities in a specific location is very difficult due to improvements that take place over a number of years. By linking all City record drawings to GIS and making these maps available to our locates staff, they will be able to view a specific area of the City and quickly identify all underground utility features in that area. This will not only save time, but make our locates work more accurate.

Stormwater currently assesses stormwater utility fees on a program called Map Info that is no longer supported. Once we have access to additional GIS licenses, we will be able to convert the Map Info data into ESRI GIS so that we can more effectively calculate and monitor stormwater utility fees and percent impervious coverages. Finally, GIS maps are readily available to the public by most other jurisdictions. It opens up our ability to provide better customer service and public friendly mapping sites to provide important information such as flood zones, stormwater maps and available elevation certificates. City-wide GIS would also allow for mapping integration with our future customer complaint and work order system.

Additionally, staff did investigate the prospect of partnering with Sarasota County and their ESRI ELA, but quickly determined that doing is prohibited by ESRI.