



CITY COUNCIL AGENDA ITEMS

To: Mayor and City Council
From: Walter Denton, City Administrator
Dennis Sullivan, Director of Engineering & Public Works
Date: February 5, 2007
Subject: MOTION – ESRI GIS Software Upgrade

List of committees that have reviewed: Public Works

Background: Staff applied for an ESRI grant to show innovative uses of ESRI software, but O'Fallon was not one of the 10 finalists for the full grant program that would have required no match and also would have provided computer hardware. However, ESRI has offered to provide a \$30,000 software package for \$10,000. If Council approves the purchase, we intend to use "ArcGIS Server Advanced" to allow web browser publishing of water "system status" information from our SCADA system (e.g., tower levels, pump status, alarms, etc.) via a database link to the GIS software. Web browser based access to SCADA data is one of the main goals of our SCADA Project and the approach we have chosen to do this through ArcGIS Server will allow us to provide this information without building a custom web browser package. This software will also allow us to build an intranet version of GIS for staff to use GIS without the need to purchase additional desktop licenses. Additionally, this will put us one step closer to being able to publish O'Fallon GIS data via the internet to the general public. However, we will need to address some data licensing issues with the County before being able to publish some of the base map and imagery data we have available in our system to take this step.

Legal Considerations, if any: None.

Budget Impact: The current operating budgets used by Public Works have line items to support this upgrade.

Staff recommendation: Authorize procurement of software for a cost of \$10,000.