

## **ROCHELLE CITY COUNCIL AGENDA ITEM MEMO REGULAR MEETING**

**SUBJECT:** Ordinance Waiving Competitive Bidding Requirements and Authorizing the Purchase of a Pavement Condition Survey and Right-Of-Way Asset Inventory

**Staff Contact:** Tim Isley

**Summary:** January 2021, the City of Rochelle began implementing VueWorks software. VueWorks is a web-enabled integrated GIS, enterprise asset management solution. This software allows City Departments to track the condition, minimize failure risk, optimize expenditures and service delivery of the City's physical assets. The City's VueWorks package includes advanced modules to better manage City infrastructure condition, risk, projects, budget forecasting, and valuation.

To fully utilize VueWorks asset management software, it is vital the City provides the most accurate and up-to-date GIS data for VueWorks and its advanced modules. To accomplish this task, City staff have met with vendors who provide pavement condition surveys and right-of-way (ROW) asset inventory services. Typically, these vendors have vehicles equipped with cameras, special sensors, global positioning system (GPS) and computerized data collection systems that collect, process, and provide analytics on the pavement and assets surveyed.

Road and asset condition surveys assess or describe the state of being or "health" of an infrastructure network. A condition survey provides a rational and consistent method of allocating limited resources. A condition survey will allow the City to evaluate the current condition of the infrastructure network, determine the rates of deterioration, project future conditions, determine maintenance and rehabilitation needs, determine the cost of repair, prepare plans of repair, determine the effects of budget restrictions and deferred maintenance, schedule future pavement maintenance activities, and track performance of various pavement designs and materials.

To provide an accurate base for VueWorks asset management software, Rochelle's 2022 budget includes funds for a pavement condition survey and ROW asset inventory. The survey services requested are centerline identification, street network collection with pavement condition index (PCI) values, pavement width, alley network collection with PCI values, parking lot pavement assessment, sidewalk inventory, Americans with Disabilities Act (ADA) sidewalk ramp inventory, traffic sign and signal inventory, and a pavement report with multi-year budget scenarios. ROW imagery for all segments collected will be provided to the City for future asset inventory needs.

City staff received four quotes from pavement condition survey and ROW asset inventory vendors. After multiple meetings with road and asset survey vendors, Rochelle's geographic information system (GIS) team, VueWorks consultants, City consultants and City staff it has been determined that Roadway Asset Services (RAS) is the best fit candidate to complete Rochelle's pavement condition survey and ROW asset inventory. RAS has provided a quote in the amount of \$71,910.00 to conduct a field survey of Rochelle's pavement condition and inventory ROW assets as described in attachment A.

The RAS team is equipped with state-of-the-art pavement condition survey vehicles, experienced engineers, GIS specialist, and infrastructure asset managers. RAS has experience with development and modification of GIS data files and segmentation for pavement management analysis. The RAS team understands how to effectively format data results into the City’s VueWorks infrastructure management software. This is important as it eliminates the need for any additional and expensive software programs other vendors require.

**Funding Sources:**

Source:	Budgeted Amount:	Proposed Expenditure:
36-00-83100	\$90,000.00	\$71,910.00

**Strategic Plan Goal Application:**      Develop and implement plan to replace/repair infrastructure to work in concert with the CIP

**Recommendation:**                      Consider approving an ordinance waiving competitive bidding requirements and authorizing the purchase of a pavement condition survey and right-of-way asset inventory from Roadway Asset Services in the amount of \$71,910.00