



CITY OF WASHINGTON, ILLINOIS
City Council Agenda Communication

Meeting Date: 4-1-2024

Prepared By: Dennis Carr – City Engineer

Agenda Item: GraniteNet ESRI Integration

Discussion:

In 2021, staff retro-fitted the sewer camera van to use Cues equipment and GraniteNet Software for the sewer videos. Since then, we have brought a GIS Specialist on board and have begun looking at the best ways to make these videos more accessible to our GIS. Through discussions with our contacts at ESRI and GraniteNet, we have found that there is a software application that is quite powerful for documenting these videos in our GIS as well as grade pipes and document pipe defects.

This application ties in and leverages GraniteNet’s functionality to record sewer pipe videos, define the quality of pipe, and tag defects found in the pipes with the geospatial capabilities of ESRI. With this new application, videos captured in GraniteNet will be stored as attachment files on our internal GIS utility sewer features which allows for seamless mobile & desktop access through our GIS (no longer confined to only be viewed through GraniteNet software). Staff would be able to select that sewer pipe segment in GIS, and would be able to watch the video of the pipe inspection completed through GraniteNet in context with all of the other attribute information collected and stored per pipe segment feature in GIS.

In addition, defects and pipe quality will also be able to become new feature layers hosted in our internal GIS which will allow for further, more in-depth analysis on a per-feature basis. This empowers staff to manage this data with additional GIS capabilities not accessible through Granite Net alone.

Fiscal Impact:

The cost for the software and integration is quoted at \$16,108. There are sufficient funds between the storm sewer and sanitary sewer budgets.

Action Requested: Staff requests approval to purchase the GraniteNet ESRI Interface Module.

The Standard of the Industry



March 14th, 2024
Quote#QUO9704

Mike Genard
City of Washington
Washington, IL
Office: 309-444-1156
mgenard@ci.washington.il.us

Mike Genard:

Thank you for the opportunity to quote the GraniteNet Asset Inspection and Decision Support software platform from CUES, the most trusted brand in North America for pipeline inspection technology.

For more than two decades, CUES has supplied the industry with the most innovative and extensible software platform available to help utilities and contractors alike achieve their regulatory and productivity goals. Our clients demand software that is able to be customized to meet their needs while supporting the process flows unique to their organization. GraniteNet offers unmatched flexibility to create many different types of inspections in addition to CCTV assessments such as cleaning inspections, smoke test inspections, GPS surveys, inclination surveys, hydrant inspections, light pole inspections etc. Additionally, this new software platform offers a very simple User Interface to allow people to quickly become proficient users, often in a matter of minutes.

For those organizations that desire more advanced capabilities such as GIS map (ESRI) integration, CMMS integration (Cityworks and Infor Hansen), User Management controls, enterprise database support (Oracle & SQL), a Web-based Portal, custom Scoring formulas, etc., the CUES GraniteNet software platform can meet the needs of the City of Washington now or in the future as the requirements evolve.

The following is a short description of each GraniteNet software package and the suggested optional modules to be included in the software package for the City of Washington.

Please feel free to contact me with any questions, comments or concerns.

Sincerely,

Edwin Esperanza
eesperanza@cuesinc.com
Mobile: (407) 608-8021

GraniteNet ESRI Interface Module

Developed by CUES as a registered business partner with ESRI, this optional module for GraniteNet allows users to be able to point and click on an asset from within the GraniteNet integrated map. After clicking on the asset, the asset and inspection panes are automatically populated with the asset's attribute information. The operator may initiate an inspection by simply selecting the asset on the map and right-clicking. The GraniteNet ESRI Interface also provides the ability to create a new asset in the field. The system is able to collect, store, display, manipulate and analyze data, and then link the information to the ESRI ArcGIS map file. The software provides a chronological record of every inspection completed on the asset.

GraniteNet ESRI Import Module

This optional module for GraniteNet provides a bi-directional interface between ESRI ARCGIS 10.X and the GraniteNet software. This module enables GIS features to be imported directly into GraniteNet where they can be used to verify and validate the location of utility assets.

Pricing follows on next page.

GraniteNet ESRI Implementation

The implementation service of ESRI maps and map data within CCTV operations includes integration consultation, documentation, and training with the client's office staff by a CUES software division implementation specialist in accordance with the unique business requirements of the organization. An ESRI Implementation service with GraniteNet is required for any organization that has not defined, or has changed, their GIS mapping profiles which allow for the seamless import and export of GIS data. CUES shall provide integration consultation, documentation, and training with the client's office staff through a series of guided instruction sessions performed via a remote virtual meeting tool called Zoom. CUES will work with an appointed resource/project manager from the organization to define the goals and then collaboratively create the standard operating procedures desired by the organization. As a best practice, initiating the Implementation Service well in advance of receiving a vehicle/field equipment is critical to ensure a smooth deployment, often with basic field training, that leverages the integration. Before a CUES technical resource is assigned to the implementation project, a GraniteNet ESRI Pre-Implementation Checklist must be completed by the client and submitted to CUES. Once it is received by CUES and verified that all prerequisites are met to begin the work, the client's Implementation Service request will be placed into a queue where CUES will assign the appropriate implementation specialist Project Manager based on the order in which the Checklist was received. Due to the fluctuating availability of resources needed by both parties to complete the implementation, the actual start date for the project may vary.

Generally, CUES is able to start implementations within a reasonable period of time from the date of receipt of a completed Pre-Implementation Checklist, but there can be high-demand periods of the year and no guarantee can be made as to the exact date for when the project will kick off. CUES, however, will provide visibility into estimated start dates and make every effort to quickly and efficiently initiate the implementation services as soon as possible.

Pricing follows on next page.

Part#	GraniteNet Software & Services	Price	Qty.	Subtotal	Discount	Actual
New Asset(s) or Existing Asset(s) are shown in <i>blue italic</i> below for reference						
GN521	GraniteNet ESRI Interface Module <i>NEW</i>	\$7,895	1	\$7,895	(\$632)	\$7,263
GN523	GraniteNet ESRI Import Module <i>NEW</i>	\$2,005	1	\$2,005	(\$160)	\$1,845
Grand Total						\$9,108

This Quotation is valid for 90 days for the itemized products and services listed herein and is subject to the following **Terms and Conditions**. Delivery of a purchase order by Buyer pursuant to this quotation shall be deemed to be an acceptance by Buyer of these Terms and Conditions. Pro-rata payments shall become due upon the shipment of goods and/or delivery of services. Seller shall not be liable or penalized for any delays beyond its reasonable control, including but not limited to acts of God, acts of Buyer, carrier delays, accidents, etc. In the event of any such delay, delivery or performance shall be extended accordingly and shall not relieve Buyer of its obligation to accept and make payment net 30 days from the date deliverables are provided. Past due invoices are subject to 1.5% per month (18% APR) charge or as permitted by applicable law. Payments made by credit card may be subject to an additional 3% finance fee at the time of processing. No merchandise will be acceptable for return without a Material Return Authorization Number written on the outside of the package. No returns will be accepted on used electrical parts.

Part#	GraniteNet Software & Services	Price	Qty.	Subtotal	Discount	Actual
New Asset(s) or Existing Asset(s) are shown in <i>blue italic</i> below for reference						
GN576	GraniteNet ESRI Implementation <i>NEW</i>	\$7,000	1	\$7,000		\$7,000
Grand Total						\$7,000

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