VA NATIONAL CEMETERY, OMAHA

Archer Western Construction

Project Specifics

GIS Software/Hardware

- Esri ArcGIS for Desktop Standard (ArcMap, ArcCatalog, ArcToolbox)
- Esri ArcGIS for Windows Mobile
- Trimble TSC3

Development

- VB Script

Database Technology

- Esri File Geodatabase Operating Systems
- Windows 7 Professional
- Windows Embedded

Contact

Raymond Lorenzo
rlorenzo@walshgroup.com
757.328.7034

Archer Western Construction was selected by the VA to construct the new Omaha National Cemetery located in Omaha, NE. The new 236-acre cemetery will serve the burial needs of more than 112,000 Veterans. Construction of the new cemetery began in early-2016. NewWaveGeo was selected by Archer Western Construction to serve as the GIS subcontractor for the project. NewWaveGeo provided all of the services required by the VA to install, configure and test a new Esri based GIS in accordance with Sections 11 83 00 – 11 83 02 of the specifications.

Working with the GPS and surveying subcontractors, NewWaveGeo developed automated GIS processes and procedures which allowed for seamless data transfer between the data collected by the surveyor and the GIS. The creation of the GIS began with CAD as-built drawings supplied by the surveyor containing point, line and polygon data to be stored in the GIS. The CAD data served as the foundation of the GIS, providing maps of all facilities constructed for the project. Functionality of the GIS included: Map Navigation, Search & Identify, Measure & Drawing Tools, Bookmarks, Table of Contents, and Printing & Image Exporting.

In order to make the software more efficient and to help save the VA time we (1) Automated routines for data attribution, such as crypt numbering and (2) Automated the manual process of synchronizing the GPS data loggers with field collected data and photographs.

In order to transition the ownership of the GIS to the VA during the early turn over (ETO), we provided all training and documentation. This critical step was required to ensure that once the cemetery was transferred out of the construction phase, the VA was capable of tracking interments and populating the GIS database.

NEW WAVE GEOGRAPHICS

Better Service...Innovation...Value

Chad Yoder, President
561.354.9021
chad@nw-gis.com
www.nw-gis.com