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Advancements in GIS technology

A partnership between AEW and Azteca Systems Inc. is reaping benefits for one client and offers new capabilities to others that depend on geographic information systems.

AEW now uses Azteca's powerful *Cityworks* utility maintenance software to make GIS work harder and smarter. *Cityworks* is a unique GIS-based asset maintenance management system that meets the challenge communities' face in managing capital assets and infrastructure.

The City of Grosse Pointe Woods asked AEW to help find a new tool for its utility maintenance programs that would be easy to update and manage. AEW's pilot project with Grosse Pointe Woods teams *Cityworks* with the city's current GIS.

As a result, the city will be able to generate and track work orders on any utility feature within the city. Public works employees will use it to create estimates, sketches, billing notices, past due notices and other items for sidewalk replacements, pavement patching and other maintenance work.

AEW is creating themes and geodatabases – or spatial databases – for sidewalks, pavement, driveway approaches, signs, trees and water meters. The databases hold detailed information and spatial data about these features that can be queried and manipulated.

AEW's partnership with Azteca on *Cityworks*, and the project with Grosse Pointe Woods, promises to enhance the GIS of other communities looking to lower costs and improve efficiency of utility maintenance.