

ST CLOUD STREAMLINES STORM INFRASTRUCTURE WITH ARCGIS ONLINE

With help from Pro-West, the City of St Cloud, MN implemented an ArcGIS Online-based storm viewer application to enable field staff to access the right data, combined with GPS capabilities, to enable effective planning when moving between sites.

The City was looking for a simple alternative to using paper maps in the field when steaming and cleaning its stormdrain system. Staff needed an application that utilized existing GIS storm data with integrated GPS capabilities. Field users of the storm viewer use the application to quickly locate storm structures and see pipe flows to efficiently complete maintenance work without having to sort through unnecessary data. Storm viewer facilitates effective planning when moving from site to site.

With the storm viewer application in place, the City is able to save time and improve its storm maintenance planning while utilizing existing data effectively.

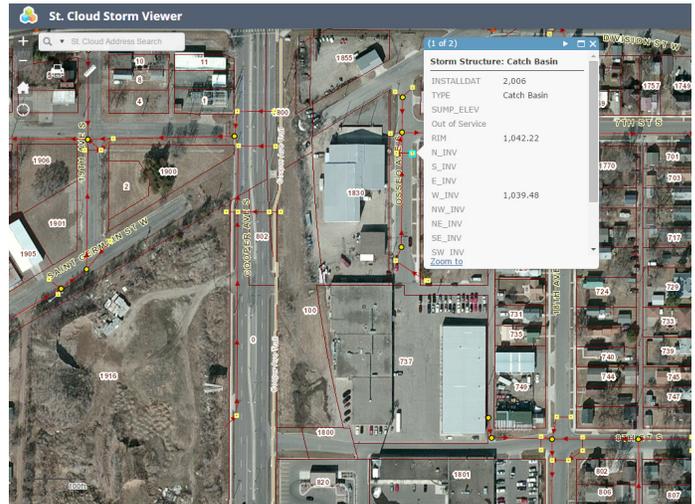
THE CHALLENGE

The City identified a need for the staff responsible for managing and maintaining stormwater infrastructure to have direct and live access to the City's stormwater GIS data. The application needed to fulfil a number of requirements:

- Offer fast performance
- Be easy to use
- Work on tablets
- Require little or no training

TECHNOLOGY

- ArcGIS Online
- ArcGIS Web Application Builder
- ArcGIS for Server



"Pro-West helped us identify field devices and a mapping template that fit our end user needs. Field staff did not have to learn a complicated system. They can quickly access critical storm information they need to do their jobs."

- Noah Czech, Stormwater Compliance Specialist,
City of St Cloud



THE SOLUTION

Pro-West configured an ArcGIS Web Application Builder application via ArcGIS Online with specific storm data for use in the field. Via tablet devices, staff can view their location on the map and tap on the screen to view related storm data such as material, sizes and flow direction. The map is tied directly to the City GIS, allowing staff to receive real-time data updates, providing in a clear awareness of storm infrastructure in the field.

PRO-WEST SAYS:

“While an asset management system existed at the City, it was important to deliver a simple, focused mobile solution that met a specific need. ArcGIS Online provided a cost-effective solution that improved user access to information in the field.”

