



The Esri® Public Works Platform

More Than Mapping





Intelligent Public Works

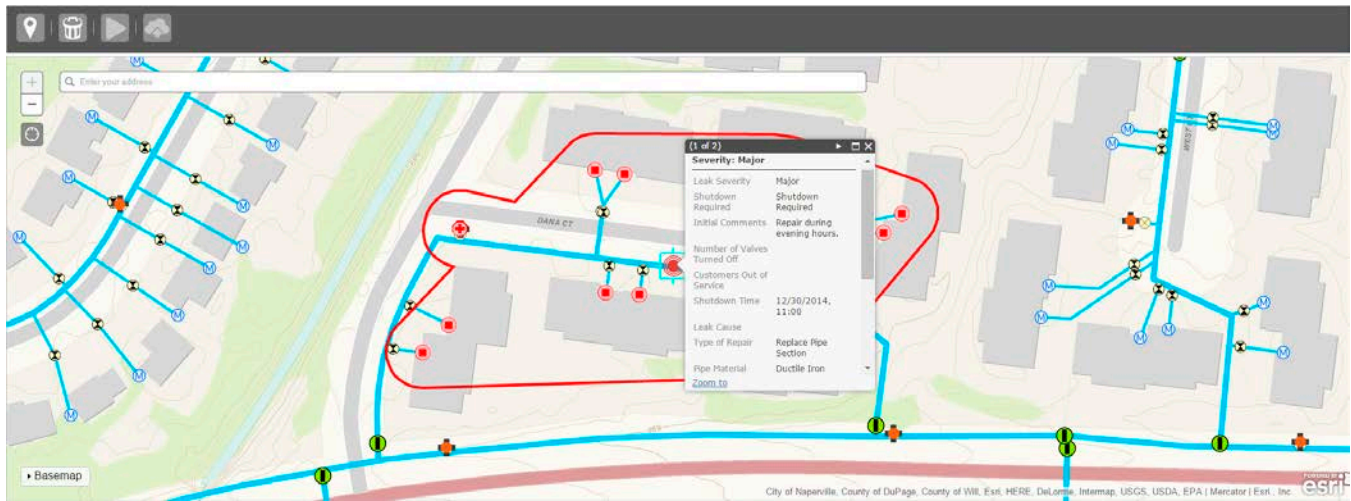
Sustaining a safe, vibrant community requires a smart public works system. Esri created a platform that connects public works departments and the communities they serve with applied geographic information system (GIS) technology. By combining the science of geography with proven data management practices, Esri gives you more command over your public works to maintain operational awareness, meet demands, and stay within budget.

The Esri® platform applies GIS to all departments and modes of operation, from office to field. Preconfigured apps and sophisticated dashboards deliver the information you need to any device, anywhere, anytime.

“The ability to quickly take data that’s in tabular format and spatially reference, analyze, and quickly generate a smart map out of it gives us a powerful management tool for operational awareness.”

—Sal Aguilar, GIS Manager at the Solid Resources Collection Division of the Bureau of Sanitation in Los Angeles, California





Water Services

Public Works United

The Esri platform renders “divisions” a thing of the past. By connecting departments and data on a common platform, all public works divisions—from streets management to vector management—unify in a seamless data-sharing system.

Why Unite?

Using the same platform, the parks and grounds department can communicate with the vector team to get mosquito abatement data easily. Why is that important? Because mosquitoes often breed in parks. Using the same platform, water services staff can access parks and grounds department maps. Why is that important? Because water services feed those sprinklers.

It’s all interconnected, and that’s the point. Born from user feedback, deep experience, and extensive research and development, we designed the platform to bridge the gaps between divisions.

Streets, Roads, and Bridges

No one has time to go between multiple applications for data, maps, and analysis anymore. A more sensible alternative would be one platform that contains tools to visualize road networks and maintain them. Geospatial tools let you coordinate public works tasks, from street sweeping to snow removal to road maintenance—prioritizing work with the science of geography and expressing the results in a comprehensible map.

Why You Need It

- Efficiently manage everything in the Right of Way
- Optimize field operations

Water Services

Esri integrates information from sensors, meters, crews, pipes, and more, through the common language of location. You can store that data in your GIS and share it through interactive maps and dashboards illustrated with vivid graphs displaying key performance indicators. Push those same maps to field devices for workers to be updated on the fly.

Why You Need It

- Increase data flow between departments
- Transparently communicate system performance to your customers



Solid Waste

Solid Waste

Planning routes for today's sanitation force requires mapping capability with intelligent routing and real-time data authoring and access. The Esri platform helps you execute efficient solid waste management by fusing back-end data, such as service stops and telematics information, with maps. From collection to disposal and recycling, synthesize all your common tasks in short, sensible workflows.

Why You Need It

- World-class, precision routing
- Telematics integration

Parks and Grounds

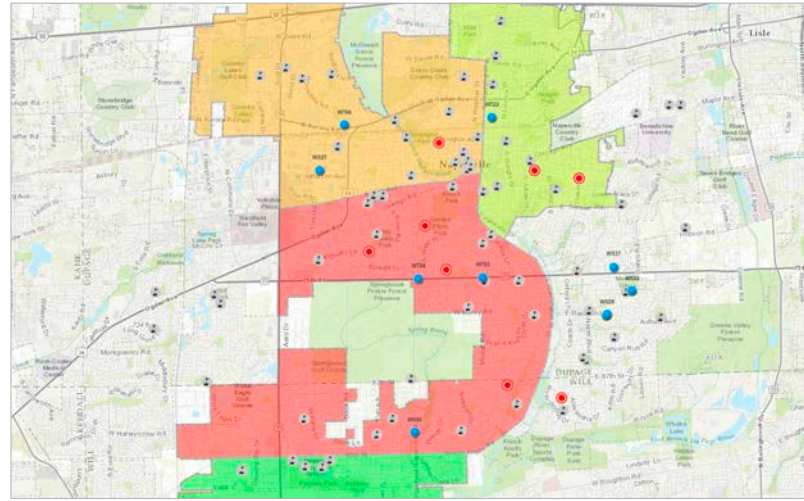
The Esri platform makes the business of managing parks and grounds holistic and transparent. Parks and grounds vegetation data that's displayed in easily shareable, intelligent maps gives you a deeper perspective of recreational areas, helping you precisely optimize maintenance and conserve resources. Prioritizing becomes easy when you can schedule tree trimming, turf care, and pest abatement—all from one location.

Why You Need It

- State-of-the-art resource management
- Holistic conservation tools



Vector



Weather Maintenance

Weather Maintenance

Plan for, respond to, and recover from any weather event Mother Nature throws at you. Esri solutions for flood and snow help you coordinate your resources, increase efficiency, and keep your community running during relentless weather. This means having access to current and predictive weather data, real time dashboards to monitor operations, and routing tools that reduce fuel costs, time, and effort for your field crews. With the Esri platform, your department has all the tools it needs to manage assets and adjust to changing conditions in real-time.

Why You Need It

- Protect vulnerable populations and infrastructure to keep your community moving
- Visualize mobile assets and citizen concerns in real-time to make smarter decisions

Vector

Don't just react to pest emergencies; prevent them with geospatial intelligence. Esri gives you the location awareness you need for an integrated vector management program. Accurate, up-to-date vector maps show patterns you can't see in spreadsheets, such as concentrations of 311 calls complaining about mosquito bites. Esri gives you the ability to optimally plan what types of pesticides you need—including where and when to use them—so you can mitigate infestations while saving money and protecting the environment.

Why You Need It

- Tools to prevent and contain infestations
- Live web maps for public outreach



Solutions for Your Every Need

Meet all your goals with the ArcGIS® platform. Preconfigured maps and apps provide the perfect way to hit the road running.

Find out more about each of the categories below by visiting our public works solution site at esri.com/pwsolutions:

- Maintain the Public Road Network
- Inventory Right of Way Assets
- Connect with Citizens
- Promote Public Parking
- Prepare for Incidents and Events
- Manage Snow Operations
- Maintain Facilities and Grounds

esri.com/pwsolutions



Understanding our world.

Esri inspires and enables people to positively impact their future through a deeper, geographic understanding of the changing world around them.

Governments, industry leaders, academics, and nongovernmental organizations trust us to connect them with the analytic knowledge they need to make the critical decisions that shape the planet. For more than 40 years, Esri has cultivated collaborative relationships with partners who share our commitment to solving earth's most pressing challenges with geographic expertise and rational resolve. Today, we believe that geography is at the heart of a more resilient and sustainable future. Creating responsible products and solutions drives our passion for improving quality of life everywhere.



Contact Esri

380 New York Street
Redlands, California 92373-8100 USA

1 800 447 9778
T 909 793 2853
F 909 793 5953
info@esri.com
esri.com

Offices worldwide
esri.com/locations

Copyright © 2016 Esri. All rights reserved. Esri, the Esri globe logo, ArcGIS, @esri.com, and esri.com are trademarks, service marks, or registered marks of Esri in the United States, the European Community, or certain other jurisdictions. Other companies and products or services mentioned herein may be trademarks, service marks, or registered marks of their respective mark owners.