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← GIS for Transportation

Roads and Highways

Main

Planning

Operations

Maintenance

Safety

The best plans start with GIS.

It's a challenge to balance the demand on public infrastructure with other demands, such as preserving quality of life through safety and sustaining the environment in your community. Esri GIS technology provides rich analytic and visual tools to help you meet this challenge. Esri helps you focus on the data that matters, so you can serve your community.

"The more we integrate the data needed to make good decisions, the better we reduce the risks associated with project planning."

UDOT GIS Manager Frank Pisani

Benefits

Analyze

Take advantage of the rich analytics GIS affords when you integrate information from multiple sources. Strategize with greater confidence. [PDF]

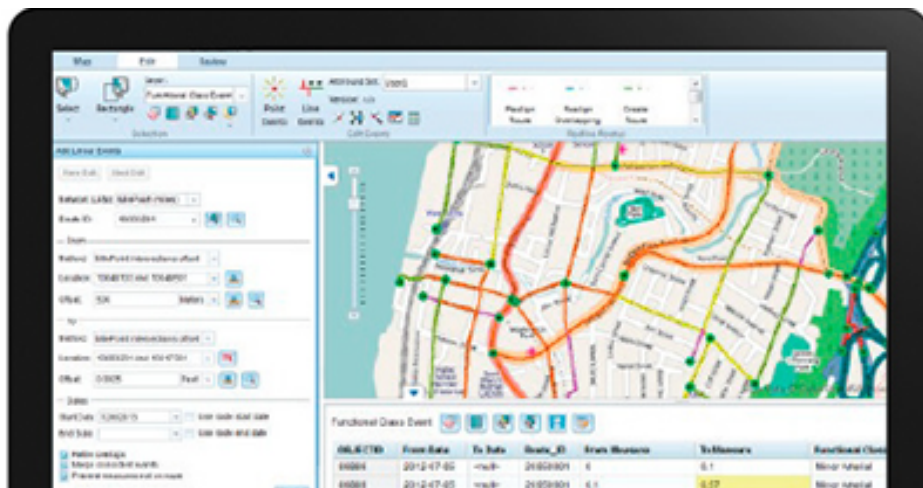
Communicate

Involve your stakeholders and communicate plans to decision makers more effectively with GIS. Every great route starts with a map.

Collaborate

User-friendly maps make the case for your plan. A picture tells a thousand words—a map contains infinite pictures. [PDF]

Solutions



Esri Roads & Highways

Gain a comprehensive view of your roads with Esri Roads and Highways, a linear referencing system (LRS) solution that enables departments of transportation to integrate data from multiple LRS networks.

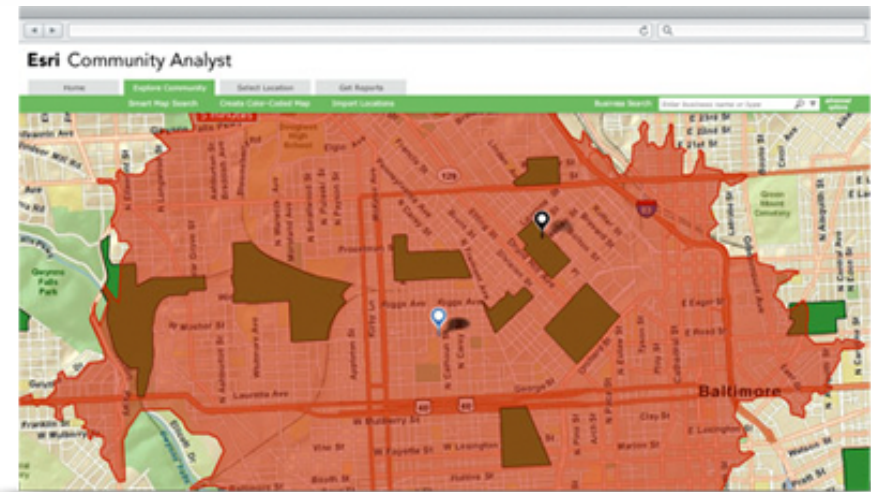


Learn more about Esri Roads and Highways.

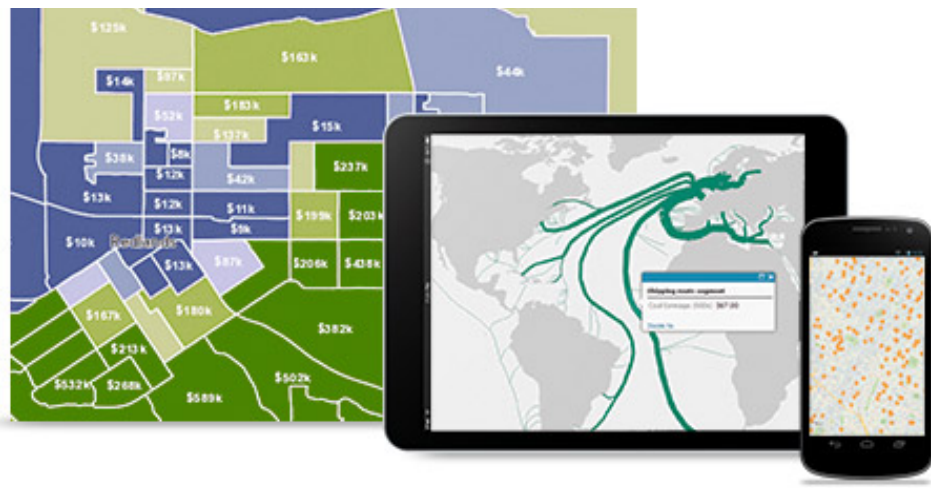
Esri Community Analyst

Esri Community Analyst provides a wealth of data and information critical to your planning process. Analyze your community demographics so you can better plan essential services, prioritize projects, and summarize who's affected by policy decisions. Log in to Community Analyst for free today and start planning.

See what Esri Community Analyst can do for you.



ArcGIS Online



Bring your data on the road. Access basemaps, templates, datasets, and more, from your smartphone, tablet, or browser. Show what's going on in real time during presentations through dashboards and live maps. Or equip your field teams to take data offline and intelligence into the palms of their hands.

Get online today.

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Success Stories

- Idaho Transportation Department Connects Field Crews with ArcGIS Online
- Abu Dhabi DOT Builds a Robust Web-based GIS to Meet Growth [PDF]
- Florida DOT Centralizes Project Statuses in One Geodata Hub [PDF]
- Oregon Keeps Traffic Moving during Large-Scale Bridge Repair [PDF]
- A Look at Michigan Department of Transportation's Lane Mile Inventory [PDF]

Brochures & White Papers

- GIS Solutions for Highway and Roadway Management [PDF]
- GIS for Transportation Infrastructure Management [PDF]

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- Esri's Gary Waters on Transforming Transportation Data Collection

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