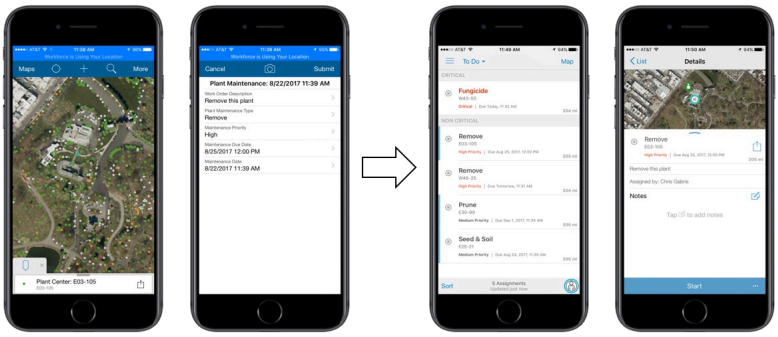
BLUE RASTER

Field GIS Workflows

Blue Raster helps organizations streamline fieldwork by replacing paper processes and disconnected tools with modern, mobile GIS workflows. With apps like Field Maps, CityWorks, Survey123, Collector, Workforce, and ArcGIS Pro, we empower field teams to collect accurate data, stay connected, and work more efficiently in any environment.

GIS Asset Management

Managing infrastructure, utilities, and field assets can be complex. Blue Raster builds user-friendly GIS asset management solutions that make it easier for organizations to capture, update, and understand the full lifecycle of their assets.



Collector for ArcGIS

Workforce for ArcGIS

Streamlined Field Mapping and Data Collection

We configure and deploy ArcGIS Field Maps to give your teams one streamlined app for navigation, data capture, and editing. Field Maps provides offline access, GPS tracking, and integration with dashboards, ensuring field staff always have the tools they need to succeed.

Utilizing These Tools, We Can Help You:

- Capture and update field data with custom forms and maps, even in disconnected environments
- Provide mobile teams with secure, 24/7 access to current GIS data and asset locations
- Visualize field updates instantly in ArcGIS Dashboards for organization-wide visibility

esri Partner Network Gold

esri State and Local Government Specialty

esri ArcGIS Cloud Services Specialty

esri Nonprofit Specialty

Let's build something that works for you.

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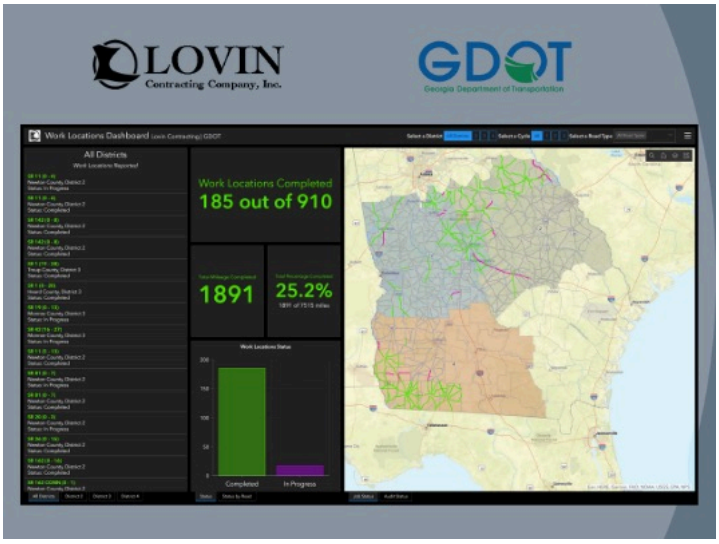
Virginia Department of Transportation

Blue Raster partnered with the Virginia Department of Transportation's Directional Signing Program to modernize statewide field data collection and management for over 16,000 highway signs. Using **ArcGIS Field Maps, Survey123, Dashboards, and ArcGIS Online**, VDOT now operates an interactive, real-time system for asset inspection and maintenance.

- Field crews capture and update sign data directly from the field
- Dashboards visualize statewide status and performance metrics
- Public and customers view interactive maps and report issues in real time

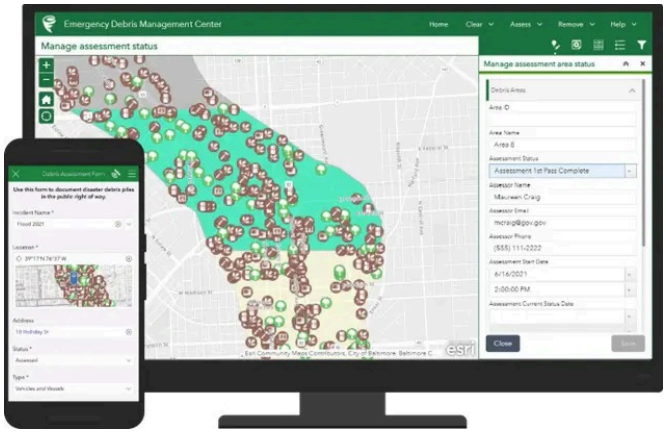


Lovin Contracting

Blue Raster partnered with Lovin Contracting to digitize landscape maintenance reporting for Georgia's state routes and interstate highways. The **Work Locations Tool**, built with **ArcGIS Field Maps**, **Survey123**, and **Dashboards**, transformed paper-based workflows into a real-time, cloud-based solution.

- Field crews record work, photos, and maintenance cycles directly in Field Maps
- Managers view progress dashboards filtered by location and work cycle
- GDOT officials access live data for audits and contract compliance

CDR Maguire

Blue Raster partnered with CDR Maguire to enhance post-disaster debris management through GIS-based field workflows. Following the Marshall Fire in Boulder County, the team customized the **Esri Emergency Debris Management Solution** to support both online and offline operations, ensuring efficient coordination and FEMA-compliant reporting.

- Configured **Survey123** forms for vehicle tracking, debris type, and load weights
- Automated weight calculations and reporting through custom **Python** and **JavaScript** scripts
- Built an **ArcGIS Experience Builder** Reviewer Tool for oversight and QA in real time