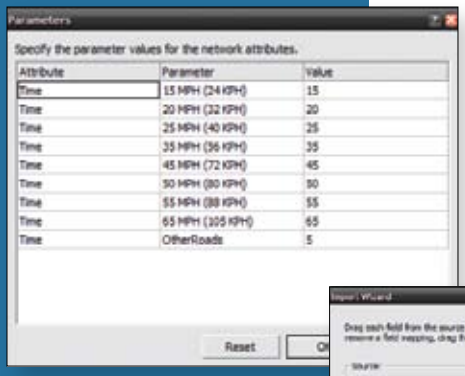
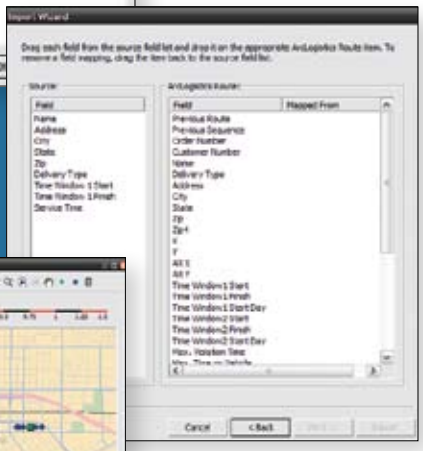
Thought Leadership from ESRI and NAVTEQ

Keep Government Moving

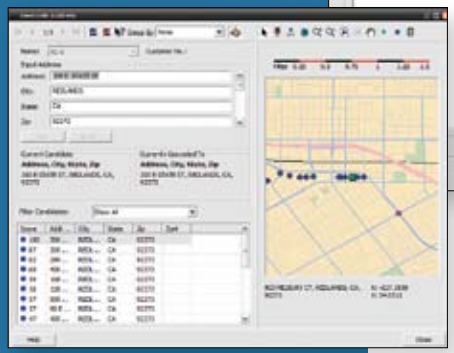
The Geographic Approach™ to Sustainable Fleet Management



Specify vehicle speed limits for your street network.



Import customer orders from any database.

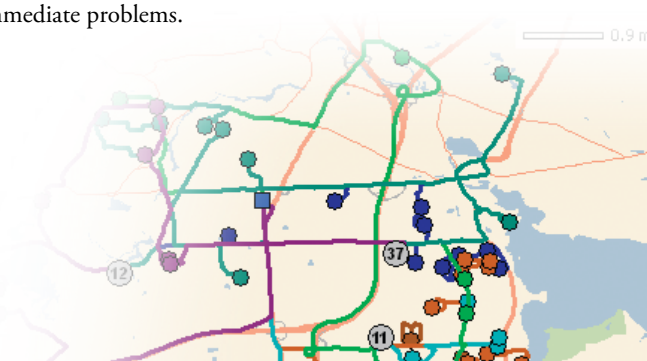


Find and plot addresses.

Anyone working within a government agency is likely not a stranger to a geographic information system (GIS). For decades, governments around the world have been using the software to effectively manage and improve their business processes. From asset management to public outreach and regional coordination to enabling organization-wide efficient productivity, GIS software supplies essential geographic information to the entire staff from in-house employees to the mobile workforce.

GIS technology is about improving your business processes and having a real economic impact on the bottom line. It means producing new and more relevant business workflows that significantly increase the efficiency of an existing process without having to re-engineer your processes. A GIS application becomes a tool that clearly benefits the organization.

An often overlooked critical component of logistics is integrating it into the workflow. It is an important aspect of any organization, and within government agencies, the work of logistics managers can have broad-reaching effects on far-flung departments. ESRI's ArcLogistics™ is more than a tool for creating and compiling geographically referenced information. It pushes us to ask questions about the world where we work and explore options for solving our immediate problems.



Cost-Effective and Service-Oriented Routing

Being able to access the right data at the right time is essential for a smooth operation whether you are routing building inspectors, code enforcement officers, or probation officers. ESRI's ArcLogistics is helping fleet managers and department heads make the most of their resources and keep government moving.

As many local governments struggle to make ends meet, managers are pressing their workers in the field to work more effectively and efficiently as they maintain assets, visit businesses, or provide customer service. ArcLogistics is a fleet management software product from ESRI that uses a GIS-based approach to street network spatial relationships to accurately model time and distance. This stand-alone application can help you solve vehicle routing problems and ensure that your mobile workforce is optimizing its schedules.

Green Government Fleets

With ArcLogistics and NAVTEQ® data, you can build routes and schedules that reduce fuel consumption and vehicle emissions that contribute to poor air quality.

ArcLogistics can help you meet customer expectations and improve your business processes with existing staff while realizing savings in fuel costs. By reducing fuel consumption, you can minimize your organization's carbon emissions, help it to become more sustainable, and remain within budget.

ArcLogistics is fleet management software that uses a GIS-based approach to street network spatial relationships to accurately model time and distance. When you implement ArcLogistics, you can lower the carbon footprint for the mobile workforce fleets as the number of miles driven per vehicle is reduced.

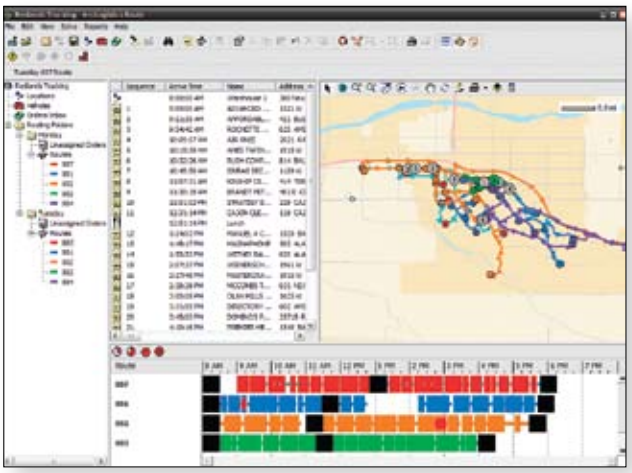
Take into account the specialties of vehicles and drivers.

Navigate Your Way to Local Savings with Global Benefits

With ArcLogistics, you can build routes and schedules that reduce fuel consumption and vehicle emissions that contribute to poor air quality. It provides you with the tools to limit person-hours and vehicle use and enable your fleet crew to get the job done on time. Using the resources you already have on hand, ArcLogistics can help you stick to strict time windows and increase operating efficiencies by assigning orders to vehicles based on the optimal stop sequence using actual street network drive times.

If you need to find locations, assign stops to vehicles, and sequence stops with a regard to time, cost, capacity, and productivity, ArcLogistics can help you meet customer expectations with existing staff and realize savings in fuel costs. By reducing fuel consumption, you will be minimizing your organization's carbon emissions, helping it become more sustainable while still remaining within budget.

Visit www.esri.com/fleet.



Build routes based on actual network drive time and business rules.

A Return on Investment That's within Reach

With ArcLogistics, your mobile workforce will be empowered to take responsibility for conserving resources and limiting fuel costs at the source of trip generation while reducing financial burdens and doing its part to benefit the environment. From a small fleet operation to a large multiuser environment, ArcLogistics provides a quick and significant return on investment.

ArcLogistics is affordable and easy to implement and requires minimal training. Databases do not have to be re-created in ArcLogistics.

- Meet the challenges of limited resources.
- Improve services through efficient routing.
- Promptly respond to work orders, inspection requests, and code enforcement demands.
- Increase the number of stops completed.
- Create more efficient inspector territories with balanced workloads.
- Audit mileage and work activity.

ESRI and NAVTEQ—Your Partners for Success

A comprehensive strategy of enhanced data integration is at the forefront of successful implementations. High-quality map data is integral to routing and managing fleets. With ArcLogistics, you can use your own street data or purchase the software with comprehensive street data from NAVTEQ.

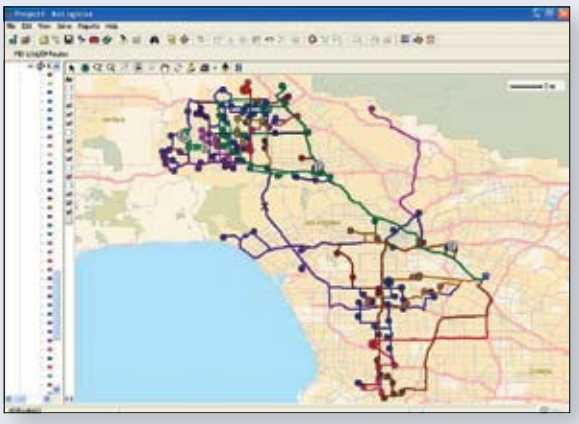
Building a GIS program requires people, software, hardware, data, training, and documented workflows. System design often requires cooperation and coordination from various providers to ensure that the components you choose will work together and meet your long-range plans. ESRI has teamed with NAVTEQ for a solution that satisfies your requirements and streamlines the design process.

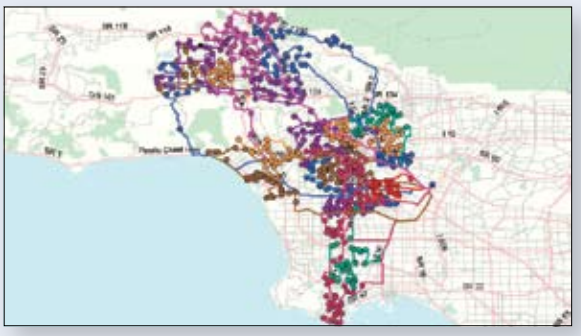
NAVTEQ's enhanced database, working with ArcLogistics, is the complete solution for your routing needs. NAVTEQ and ESRI have a long-standing relationship, and their products have been field-tested together and verified by satisfied customers.

Schools' Needs Keep LA Unified Moving

Tasked with routing all loads in the Los Angeles Unified School District, Manuel Villarreal and three other logistics supervisors are responsible getting groceries, supplies, and equipment delivered to the more than 800 schools within the district, which covers a wide geographic area. From one end of the district, San Pedro in the South Bay area, to the far west end of Los Angeles County in the San Fernando Valley, a route could stretch more than 50 miles. To meet delivery schedules and develop efficient routes, the supervisors use ArcLogistics with NAVTEQ data.

The Materiel Management division facilitates daily pickups and deliveries to cafeterias and classrooms with 33 light trucks and approximately 24 trailers. Orders and routes change daily as the schools don't order daily. By routing within different delivery zones, ArcLogistics helps keep the operation running smoothly and efficiently.





"Before ArcLogistics, we pinned stuff up on a map and tried to build the routes that way. All of the deliveries were in a sequential long route. Trucks ended up going back and forth for pickups and deliveries. Now, with ArcLogistics, the routes are tighter, and the drivers are much happier having a smaller geographic area to drive rather than the entire district."

– Manuel Villarreal, Logistics Supervisor,
Los Angeles Unified School District

Visit www.esri.com/fleet.

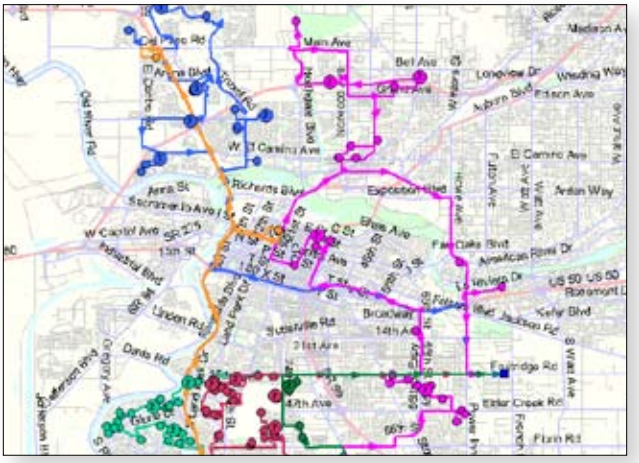
Comprehensive Street Data for Local Government

The real value of this NAVTEQ offer is that your agency can now have a database of a detailed road network without the expense of creating one in-house. Jurisdictions can use one consistent and accurate street dataset for analysis, mapping, points of interest, and visualization throughout all departments.

NAVTEQ focuses on accuracy, detail, reliability, flexibility, and maintenance to ensure that local agencies will have access to the best data that reflects new subdivisions, expanding businesses, and other alterations to the landscape. Users will find details including road geometry and up to 260 attributes for each section of road. New attributes, features, points of interest, and enhancements are regularly added to the map database.

- The NAVTEQ dataset for ArcLogistics includes street information with navigational attributes that provide turn-by-turn directions and enable in-dash vehicle and portable navigation devices, route planning, map display services, and location-based services.
- The dataset is comprehensive including areas outside traditional service areas.
- The dataset includes details regarding ramps, road barriers, sign information, bridge heights, addresses, speed categories, and traffic rules and regulations.
- The dataset supplies a complete dataset for national, statewide, or regional routes.
- NAVTEQ is the authority on routable and navigable street data.

Create dispatcher summary reports, route overview maps, street-level directions, and driver manifests as well as send stops to ArcLogistics Navigator for in-vehicle navigation.



In Sacramento, California, solid waste crews have been using ArcLogistics since 1998 for routing to more than 2,500 accounts. In addition to neighborhood cleanup, this fleet collects illegally dumped material and manages maintenance, delivery, and repair of garbage, recycling, and green waste bins.

Receive a complimentary consultation and find out how ArcLogistics can benefit your fleet. Go to www.esri.com/fleet or call 800-447-9778 to request ArcLogistics bundled with NAVTEQ.

ESRI

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NAVTEQ MAPS

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