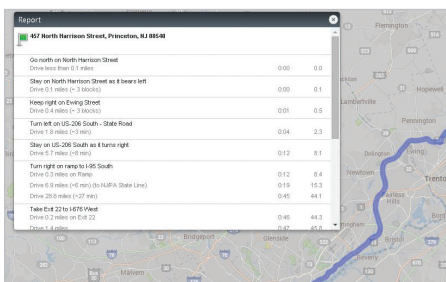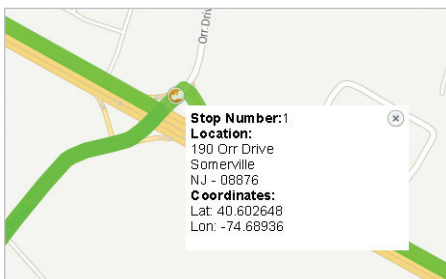# Dynamic Asset & Route Visualization Platform

ALK Maps is a customizable interactive web mapping platform providing high-quality visualizations with precise geocoding and commercial routing for enterprise applications.

Built using the same source of commercial mapping and data as CoPilot Professional, ALK Maps mirrors the routing your drivers see on the device in the back office, further enhancing your mobile workflow solution. This added visibility of real-time, precise data allows the trip to be safely and efficiently adjusted from the back office to best suit changing conditions.
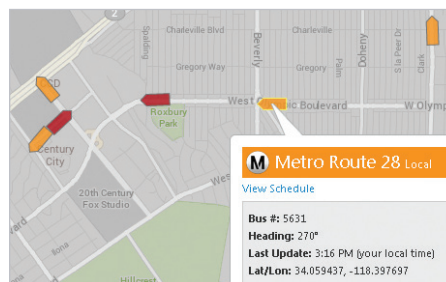
Directions & Routing

Interactively plan simple or complex routes using a variety of parameters or route options before and during trips
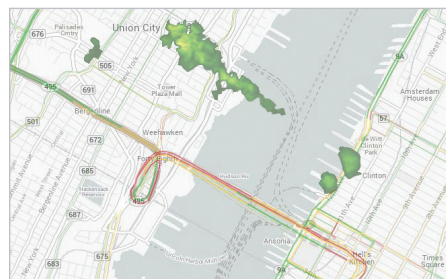
Mobile Asset Management

Quickly track and monitor vehicles and assets in real time

Geocoding Solutions

Plot and save custom places using latitude and longitudes for more precise routing

Traffic & Weather Display

Overlay current traffic and weather for daily trip dispatch or utilize historical traffic data for enhanced pre-planning

Features:

- Simple integration using a single source code

- Commercial vehicle types and routing restrictions available for continuous route optimization

- Measure driver performance and analyze routes for compliance

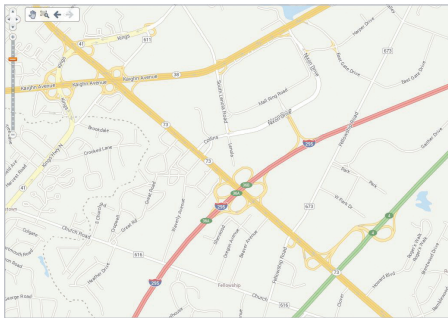- Worldwide, street-level coverage

- Satellite street-view imagery

To request a demonstration or for more information regarding ALK Maps, visit: **www.alkmaps.com** or contact **alkmaps@alk.com**

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Technical Specifications
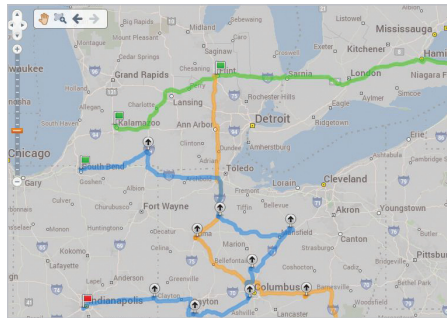
FLEXIBLE, EASY TO USE APIs

ALK Maps' JavaScript and RESTful APIs can be used in web applications, mobile apps, or desktop products giving you complete flexibility in your product offerings. The APIs are designed to get you up and running with minimal effort.
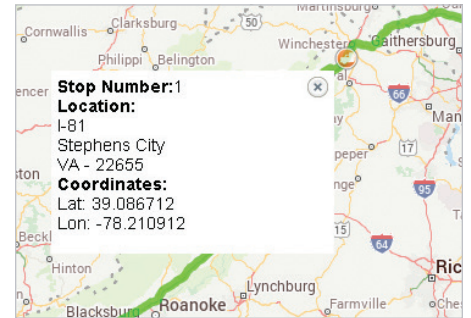
Mapping

- Real-time and historic traffic information
- Pan and zoom with mouse, keyboard, and touch devices
- 7 map styles
- Satellite view with street network overlay
- Commercial restrictions and hazmat designations can be displayed

Routing

- Automobile, heavy duty, medium duty, or light truck routing options
- Route between locations with multiple stops
- Interactive route layers - modify routes in map view
- Customizable route options: Shortest, Fastest, Toll Discouraged, National network, 53 ft. Trailer, etc.

Geocoding

- Input addresses and postal codes to get latitude and longitude
- "Reverse" geocoding: latitude and longitude is used to return the nearest street address
- Geocoded locations can be added to the server-side map data as custom places
- Batch processing using Web Services

COMPONENTS

Basic Map Controls: Display a map in a browser window with just a few lines of JavaScript code. These maps can be panned and zoomed using on-screen toolbars, mouse (and mouse-wheel) controls, keyboards, and also multi-touch inputs on mobile devices.

Flexible Layering: Display our industry-standard commercial maps as a base layer, and overlay our routing, geocoding points, and traffic as separate controllable layers. By layering the routing and other information on top of the map, you have full interactive control. You can also add your own external geographic data as a vector layer, or as an image overlay.

Custom Vector Objects: Most information with geographic coordinates can be plotted as a vector object, and attributes of the data can be used to change size, shape, or style of each element. Vector shapes can be a point, line, line-string (many points), regular polygon, or irregular polygon. Each vector object has an unique ID, which can be used to update location or attributes programmatically.

Location Markers: A marker displays a tooltip on hover and shows a popup when clicked. The popups can contain an HTML content including images and video.

A complete list of capabilities and APIs can be found on the developer portal at **maps.alk.com/developer**

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