

# Disaster Relief Safe Routing

classify, predict, react



**BLAINE FAHEY**

**MATT GORNICK**

**DR. DAN ROTH**





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**We would be glad to hear from you**

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# Why?

- 1. Emergencies are complex**
- 2. Mapping services only find shortest route**



# SAFE ROUTE



University of Illinois at Urbana-Champaign  
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# Illini Crime



Available on the  
**App Store**



theft

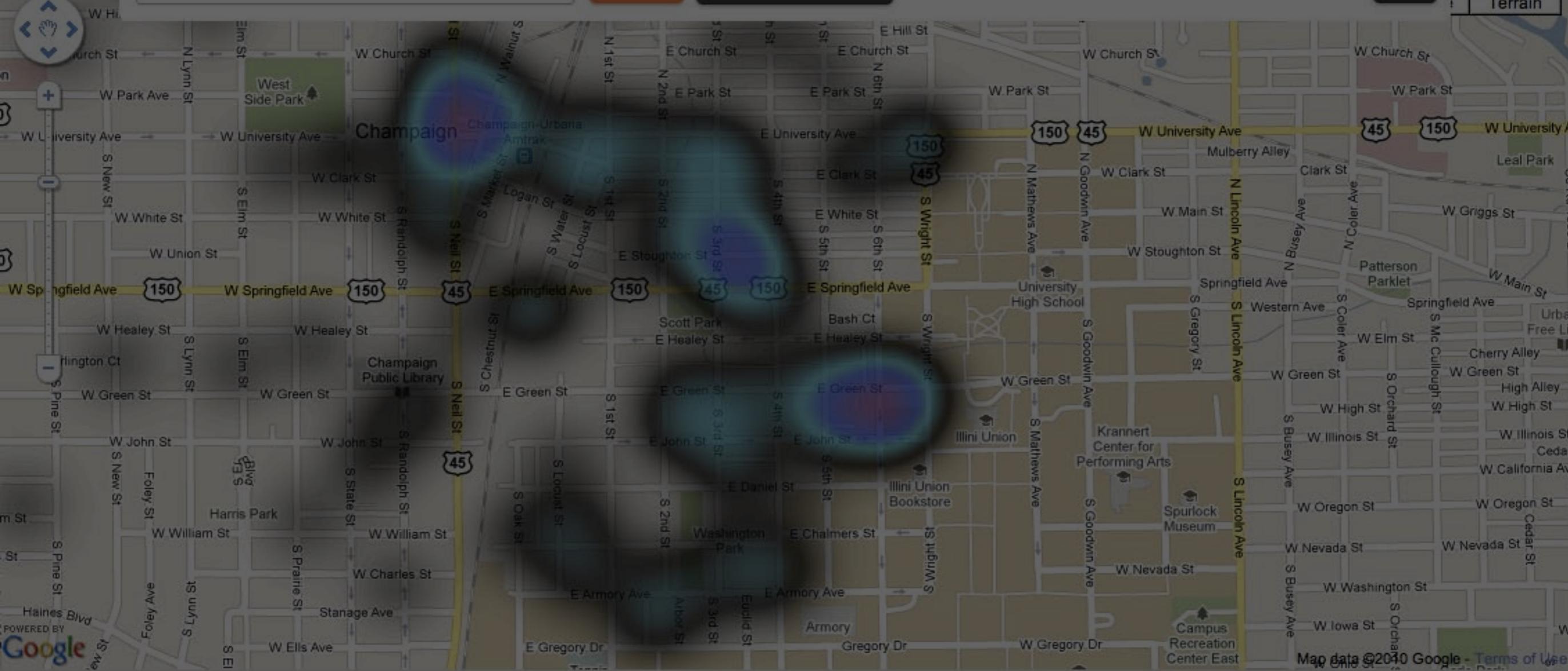
Search

Advanced Search »

357 Incidents



Terrain



CrimeSet

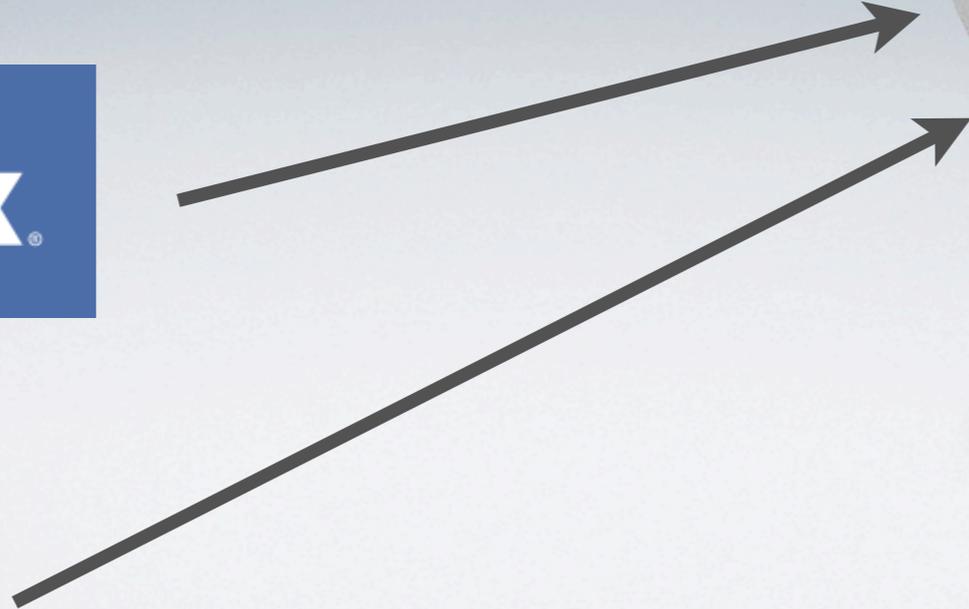
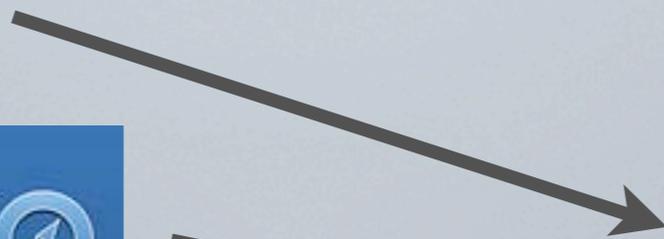
# Multi modal

twitter

SimpleGeo

The News-Gazette

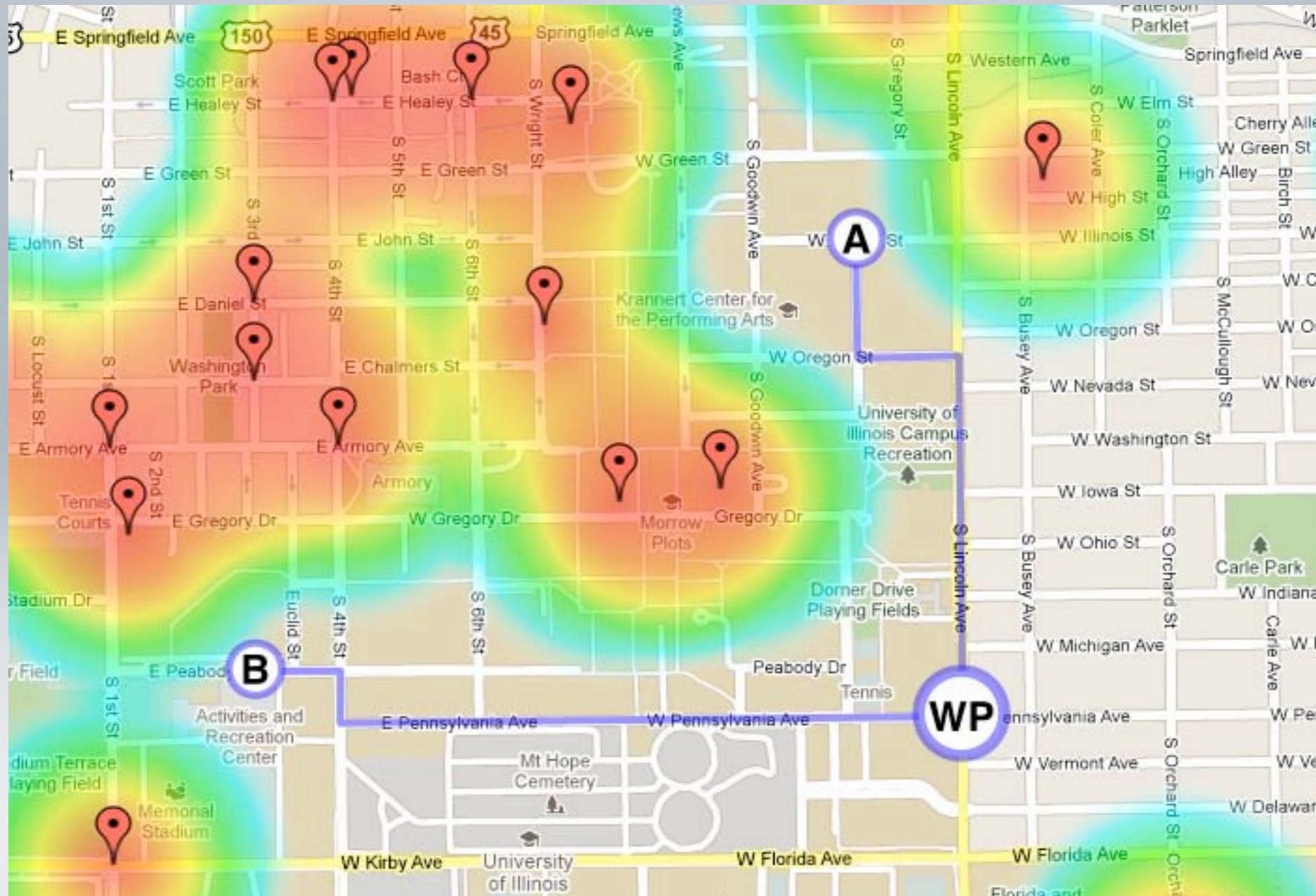
facebook



# How?



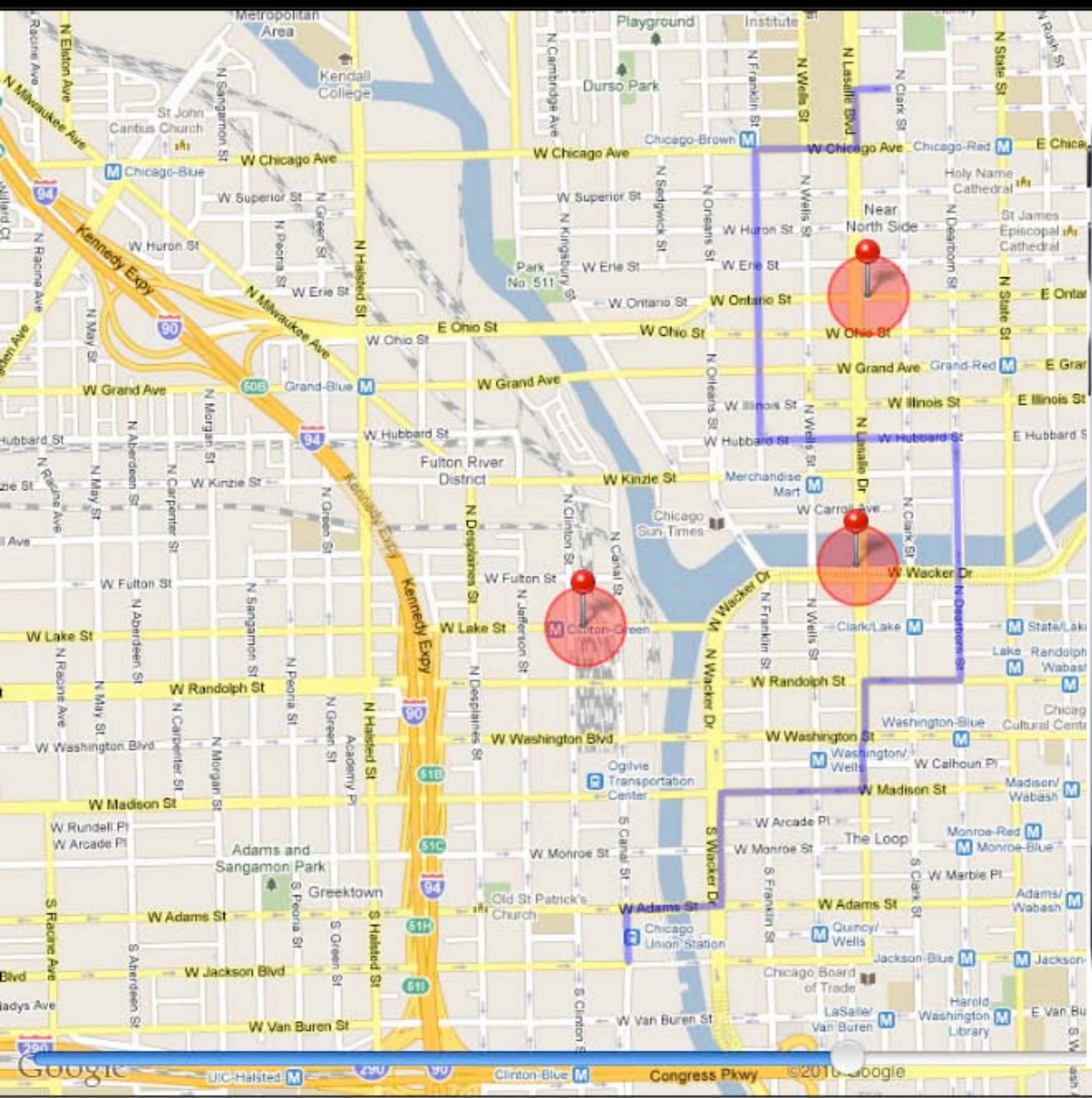
# Waypoints



A = Origin      B = Destination      WP = Waypoint

Edit

# SafeRoute



Get Zones

# **Future**

- 1. Help simplify multiple data sources**
- 2. Increase responder effectiveness**
- 3. Mitigate avoidable risks**