



Wisconsin State Patrol

Sergeant David Harvey

Bureau of Field Operations

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March 17, 2010
10:45 pm

I-90 West Bound, Sauk County

Trooper Darrick Lorbecki

Emergency Response
to a Reported Traffic Crash

Dispatcher: “I need one of the other cars to start heading north.

I’ve got a report of one of my cruisers, ahh rolled over, and I can’t get a hold of 162.

I need somebody to either head north or 143 head south.”

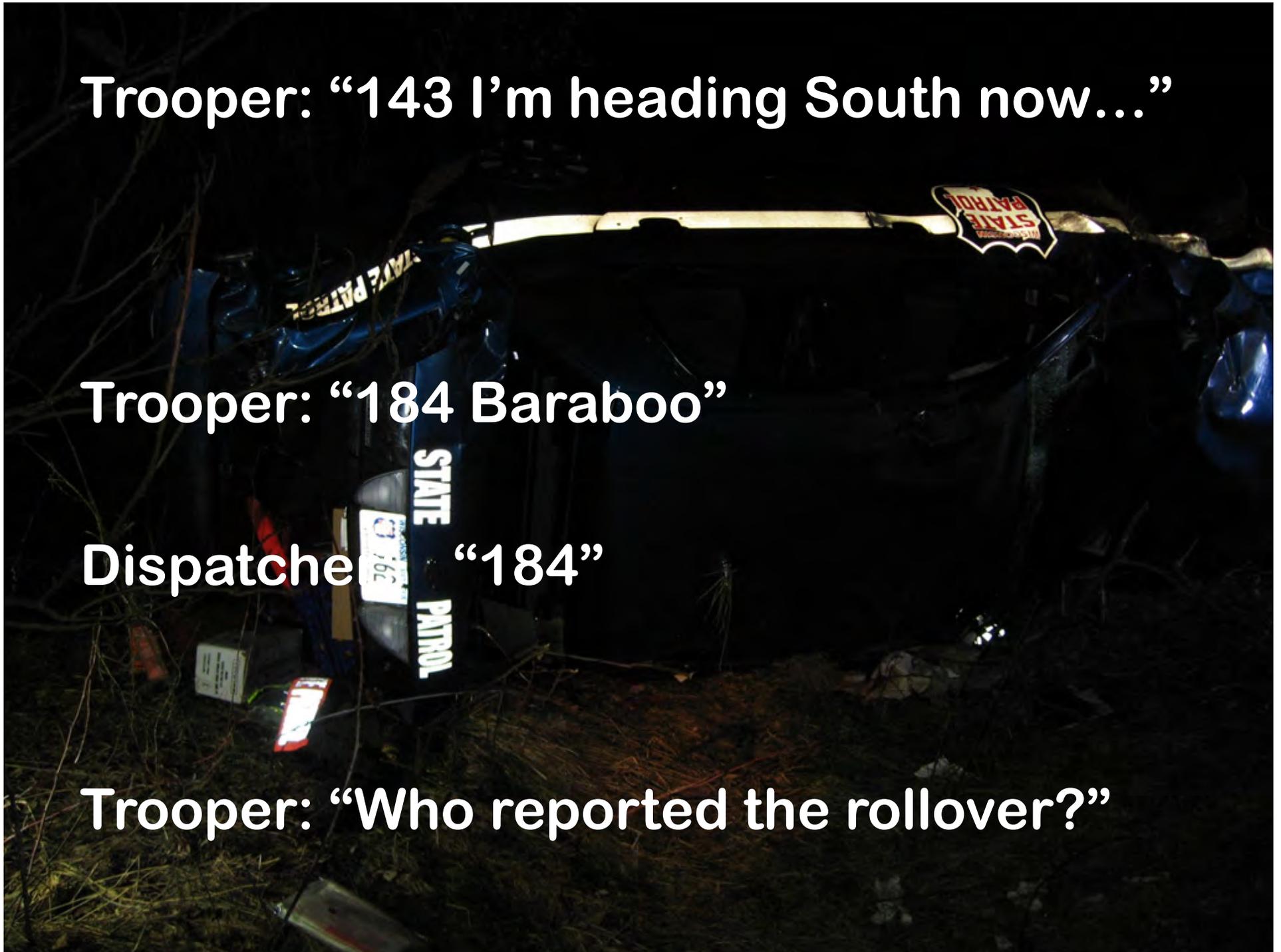


Trooper: “143 I’m heading South now...”

Trooper: “184 Baraboo”

Dispatcher: “184”

Trooper: “Who reported the rollover?”



Dispatcher:

“We’re not sure. We’re still trying to find out. I think it’s 162. I can’t get a hold of him...”

OK, it’s 162. I got somebody out with him.

I got somebody out with him.

Somewhere between Portage... “

“...Portage and the Dells.”



DSP/DNR 1st Generation Automatic Vehicle Locator (AVL)



Features:

- DSP and DNR units
- Displays:
 - Call sign
 - GPS location
 - Officer classification

What is MACH?

Send/receive instant messages and attachments with other users.



The screenshot displays the MACH application interface. At the top, a toolbar contains various icons for user status, instant messaging, chat, alerts, sessions, and location tracking. Below the toolbar, there are three main panels: a 'Buddy List' on the left showing a list of users with their status and location; a central chat window showing a conversation between Craig Phillips and John Smith; and a 'Map' window at the bottom right showing a Google Map with several blue location markers representing vehicles. The chat window shows messages such as 'I am getting ready to patrol the interstate. Do you know if there is still construction between mile markers 231 and 245?' and 'I believe construction is still going on, but one lane is open.' The map window shows a detailed road map of a region in Missouri, with several blue location markers indicating the positions of vehicles.

View detailed information about each user, including online/offline status, speed, direction, and more.



Join chats, alerts, and other types of available sessions.



Monitor the exact location and status of entire fleets of vehicles on the latest detailed road maps powered by Google.





- Software offered through the National Model (Iowa DOT)
 - Same developers and licensing structure as TraCS
- Real-time Information
- Information Sharing Across Agencies
 - Single license purchase by the State of Wisconsin allows software use by all Wisconsin public safety entities
 - Provides for secure instant messaging, secure file distribution and secure sharing of location information
- Dynamic map layers – allows items of importance to be plotted and displayed on a shared map for the improved management of incidents
- Static map layers – overlays can display mile markers, alternate highway routes, prior crash locations, ramp gate locations, intoximeter sites, etc.
- Meets FBI security requirements without additional encryption

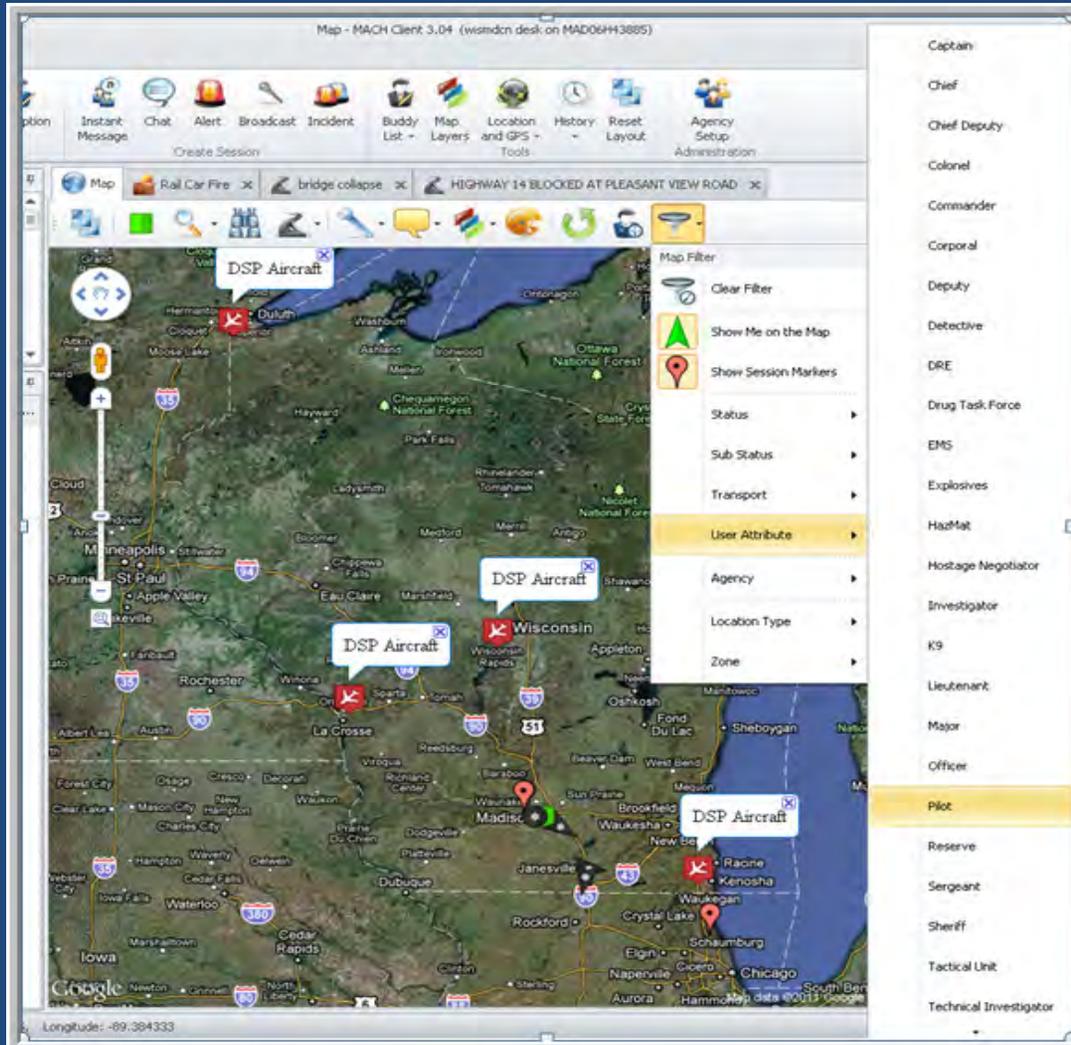
MACH is Collaborative Command and Control Software (3CS)

- Software may be installed on:
 - Laptops (in car)
 - Desktops
 - Dispatch Consoles
 - **Handheld devices**
(Android version)





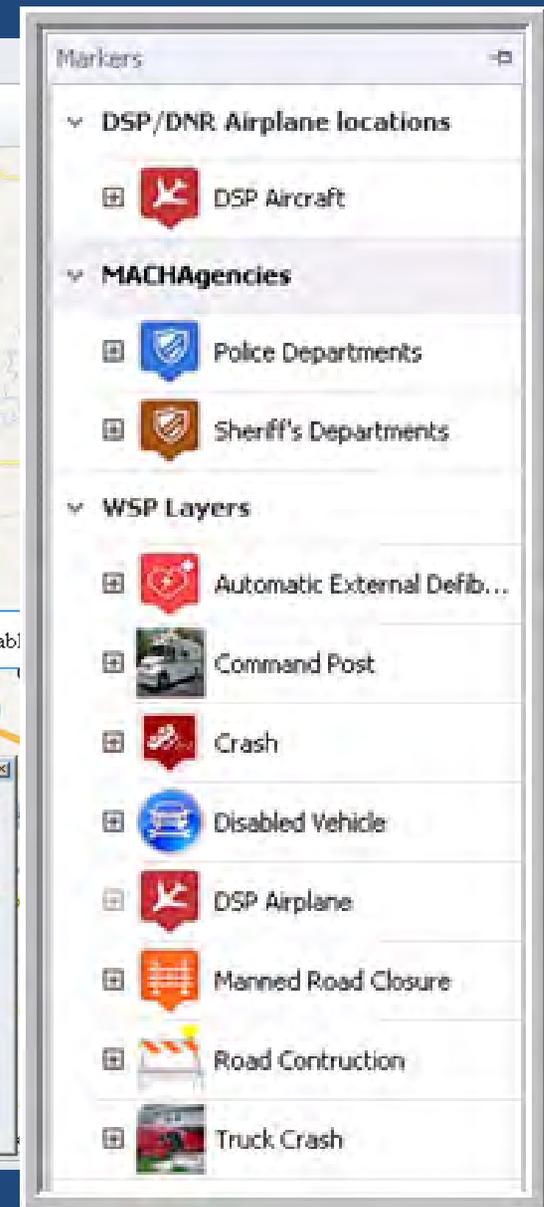
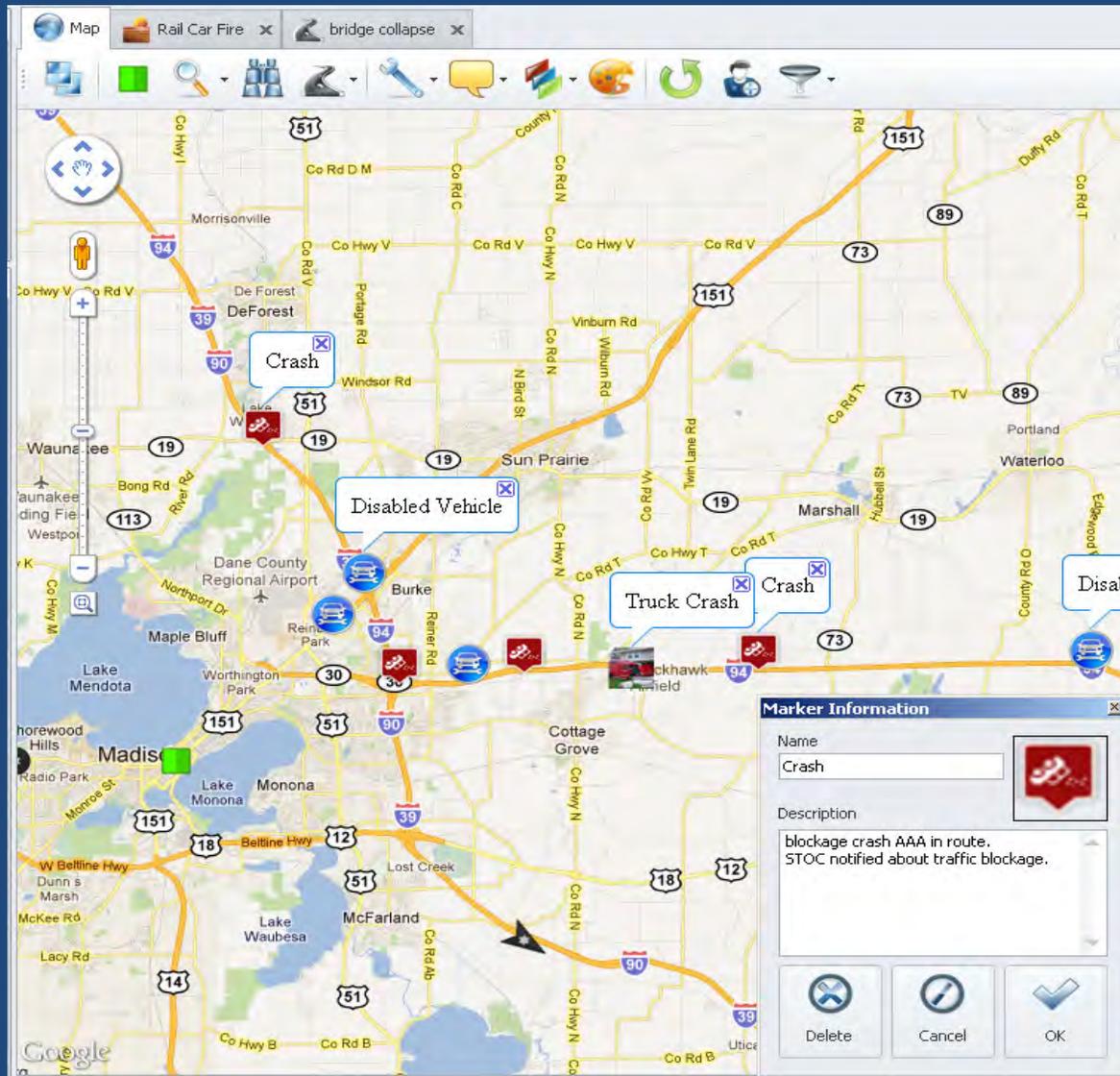
Plot and Identify Resources or Events



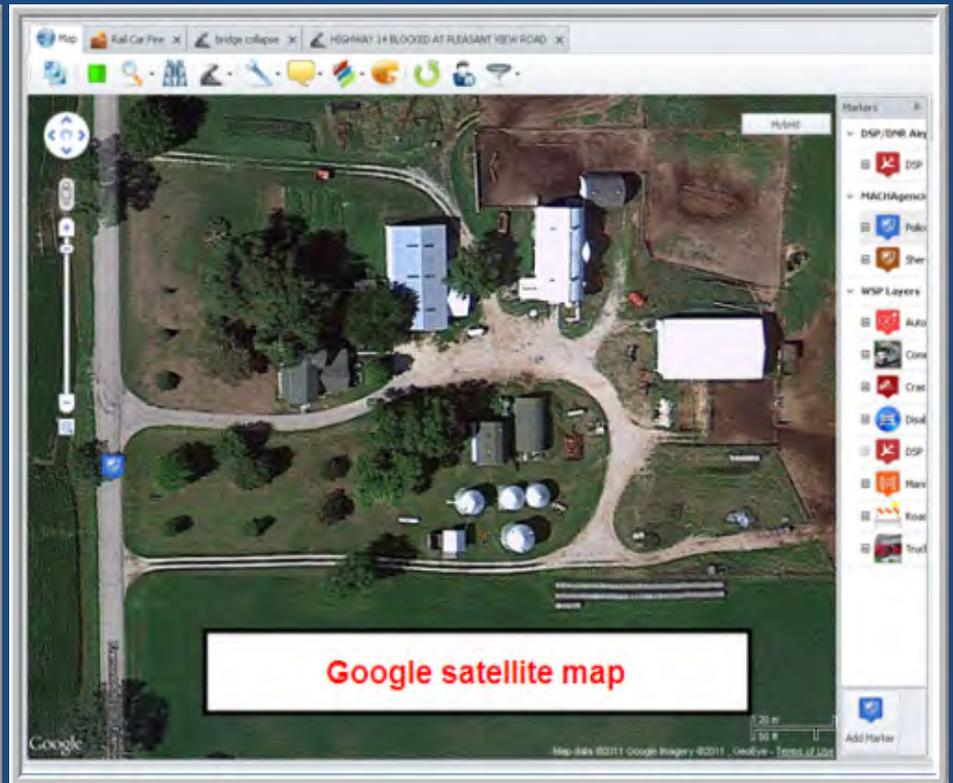
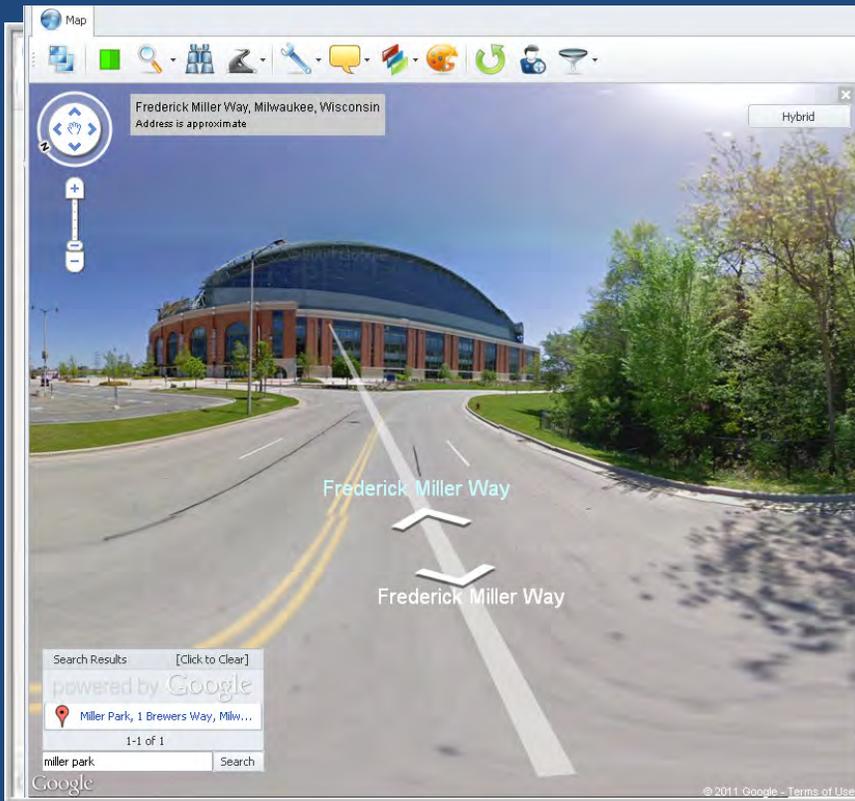
Rapid Identification Special Resources



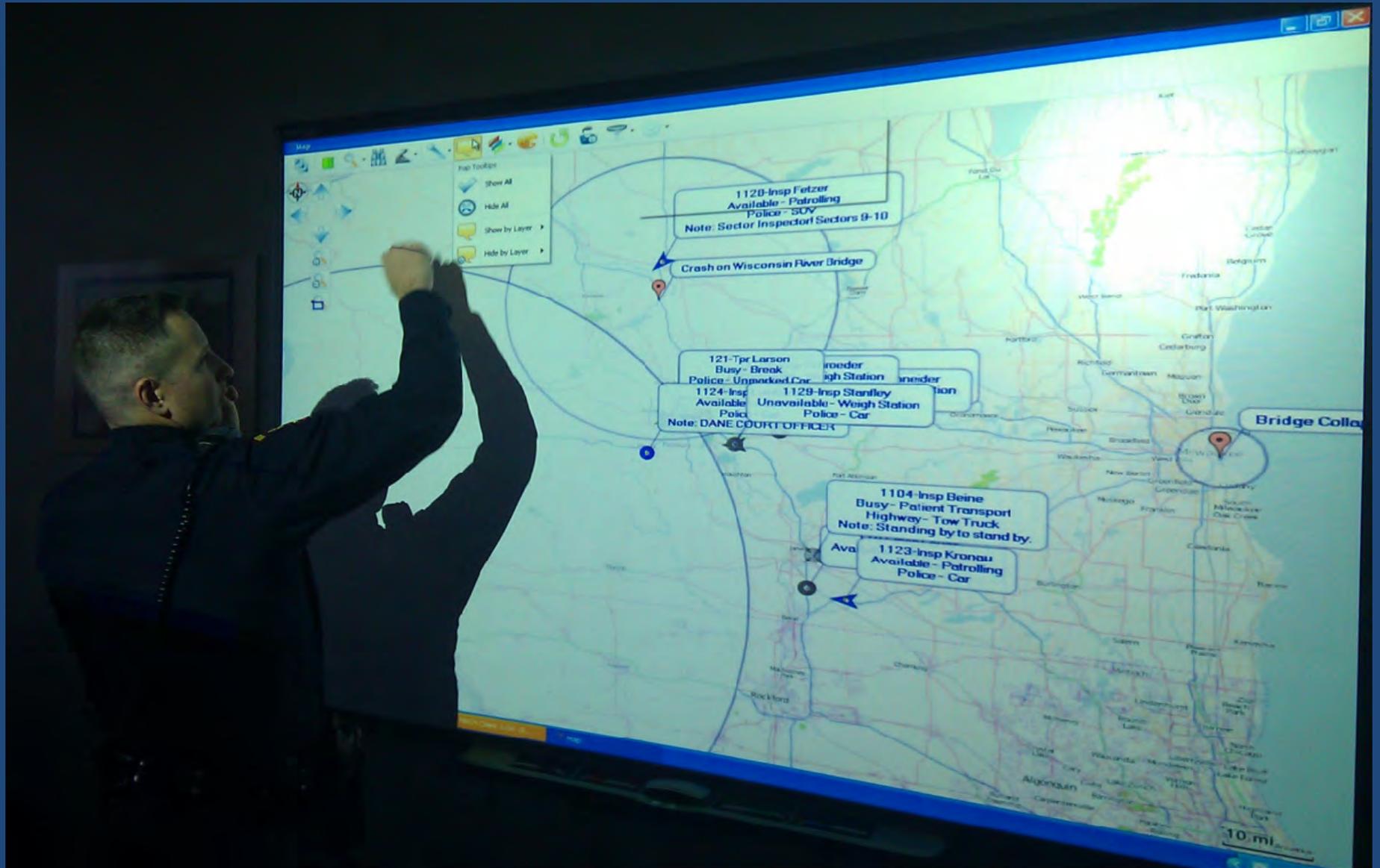
Improved Situational Awareness

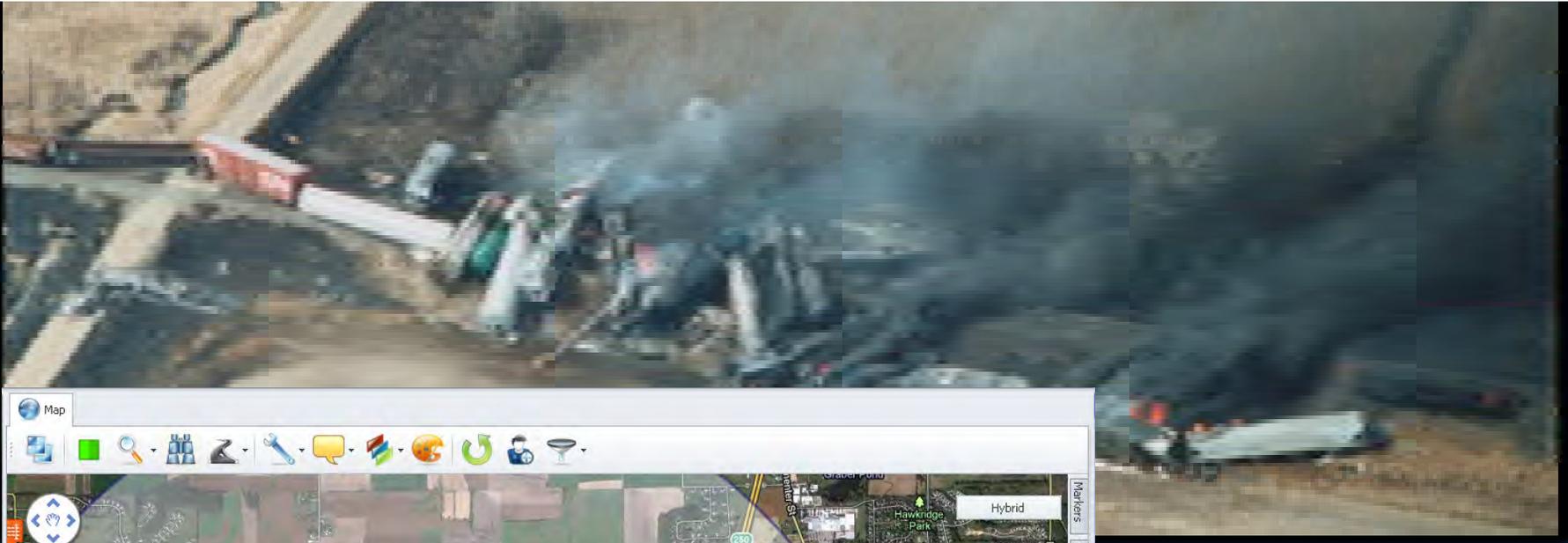


Improved Situational Awareness



Command View





Map

A screenshot of a Google Maps interface. The map shows a satellite view of a city area, likely Middleton, Wisconsin, based on the labels. A red pin marker is placed on a road, with a callout box that says "Manned Road Closure". Another callout box, labeled "Command Post", is positioned near a road intersection. The map includes various UI elements: a search bar at the top left, a compass and navigation controls on the left, and a "Layers" panel on the right. The bottom of the map shows the Google logo and copyright information: "Map data ©2011, Google, Imagery ©2011, DigitalGlobe, GeoEye, USDA Farm Service Agency - Terms of Use".

Marker Information

Name
Manned Road Closure

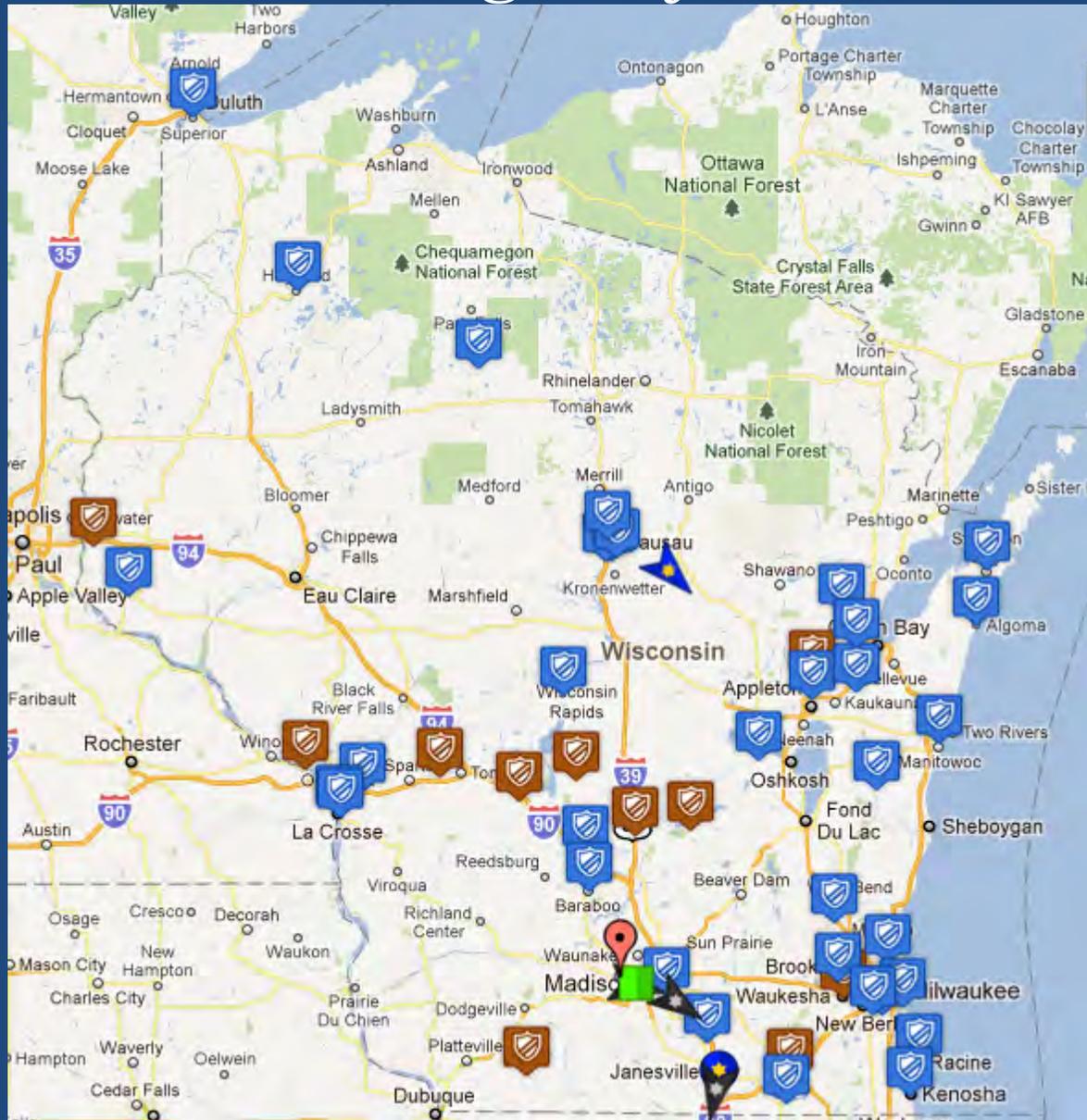


Description
Traffic Point 1. Reroute all eastbound traffic on Hwy 12 to Parmenter St.

Delete Cancel OK

A dialog box titled "Marker Information" with a close button (X) in the top right corner. It contains a "Name" field with the text "Manned Road Closure" and a corresponding icon of a road with a barrier. Below is a "Description" field with the text "Traffic Point 1. Reroute all eastbound traffic on Hwy 12 to Parmenter St.". At the bottom, there are three buttons: "Delete" with a crossed-out X icon, "Cancel" with a pencil icon, and "OK" with a checkmark icon.

Outside Agency Interest



Enhanced Management of Incidents Involving Multiple Agencies



Information as it becomes available. Illinois has not activated their SLOC. The W-500 will continue to monitor and provide updates.

Enhanced Management of Incidents Involving Other States



Iowa

- MACH implemented

Nebraska

- MACH Implemented

MACH Pilot – Lessons



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MACH Administrator