NCTCOG and Blyncsy for WZDx Reporting

blyncsy MOVEMENT DATA INTELLIGENCE Bentley

Seeing Roadways Through AI

Where Does the Imagery Come From?

- Connected dash cameras mounted in vehicles already driving the roads.
- Blyncsy currently has access to imagery from over 1,000,000 vehicles.
- The dash camera market is growing 300% YoY in the U.S. These cameras are seeing and cataloging the roads in a way never possible before.

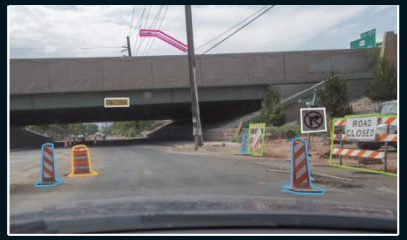
Passively. In depth.

What is AI Vision?

- **Upload and Validate**
  Imagery is collected through connected cameras that are already driving your roadways
- **Segment**
  Just like your eyes see the roadways as you drive, so does Blyncsy.
- **Mask**
  Blyncsy highlights segments that are valuable to you and provides near real-time insights

AI Vision sees the roadway in full detail. Think Google StreetView, but updated every day with in-depth understanding and notification ability.

How Blyncsy Detects Work Zones

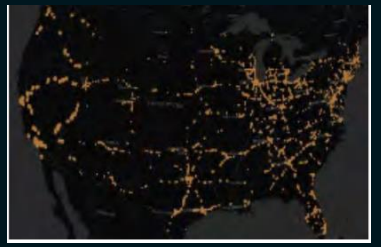


Detect and Inspect Work Zones

Using dashcam imagery and AI, Blyncsy automatically detects barrels, signs, trucks, and other related equipment in order to detect the presence of work zones.

Put Work Zones on the Map

Blyncsy uploads detected work zones to a GIS map, along with safety critical information, allowing for more remote safety inspections.



Upload Data to WZDx Feed

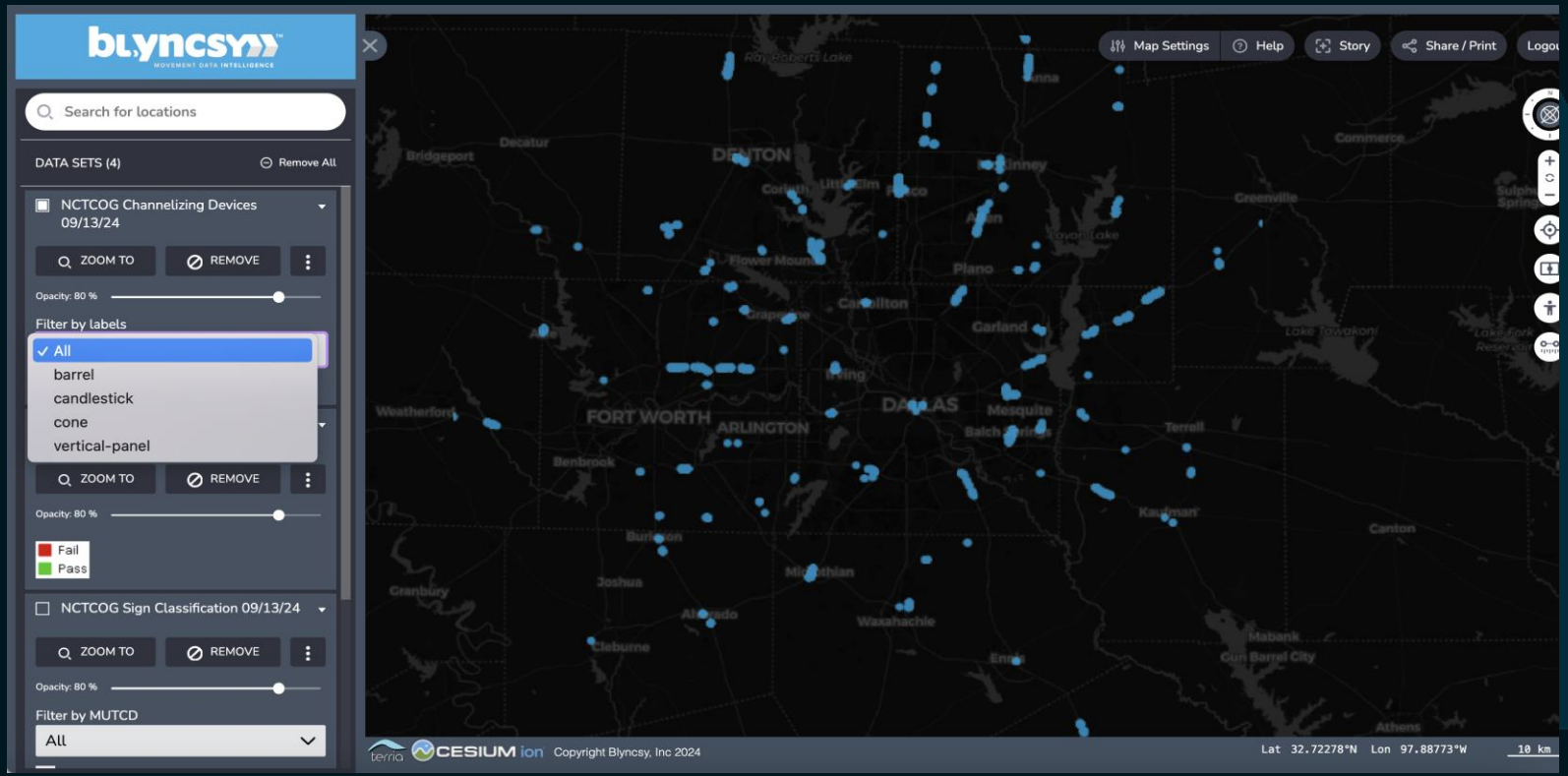
Blyncsy will automatically upload work zone data to the federal WZDx feed. By making work zone data accessible to everybody, we can increase work zone safety for both drivers and maintenance teams.

Streamline Advanced Infrastructure Solutions

Agencies Can Leverage the NCTCOG Funding Match Already in Place to Enhance the Project. Blyncsy AI can Provide the Following Insights into Additional Road Assets:

- Sign Inventory, MUTCD classification and condition assessment
- Paint Line Visibility, PASER scoring, Retroreflectivity condition assessment
- Pavement Cracking and Pothole Detection in near real-time
- Real-time notification of road debris, guardrail damage, impacted safety barriers
- Vegetation Encroachment Detection on roadways
- Streetlight Inventory with on/off detection
- And More

Pulling it all Together



Thank you!