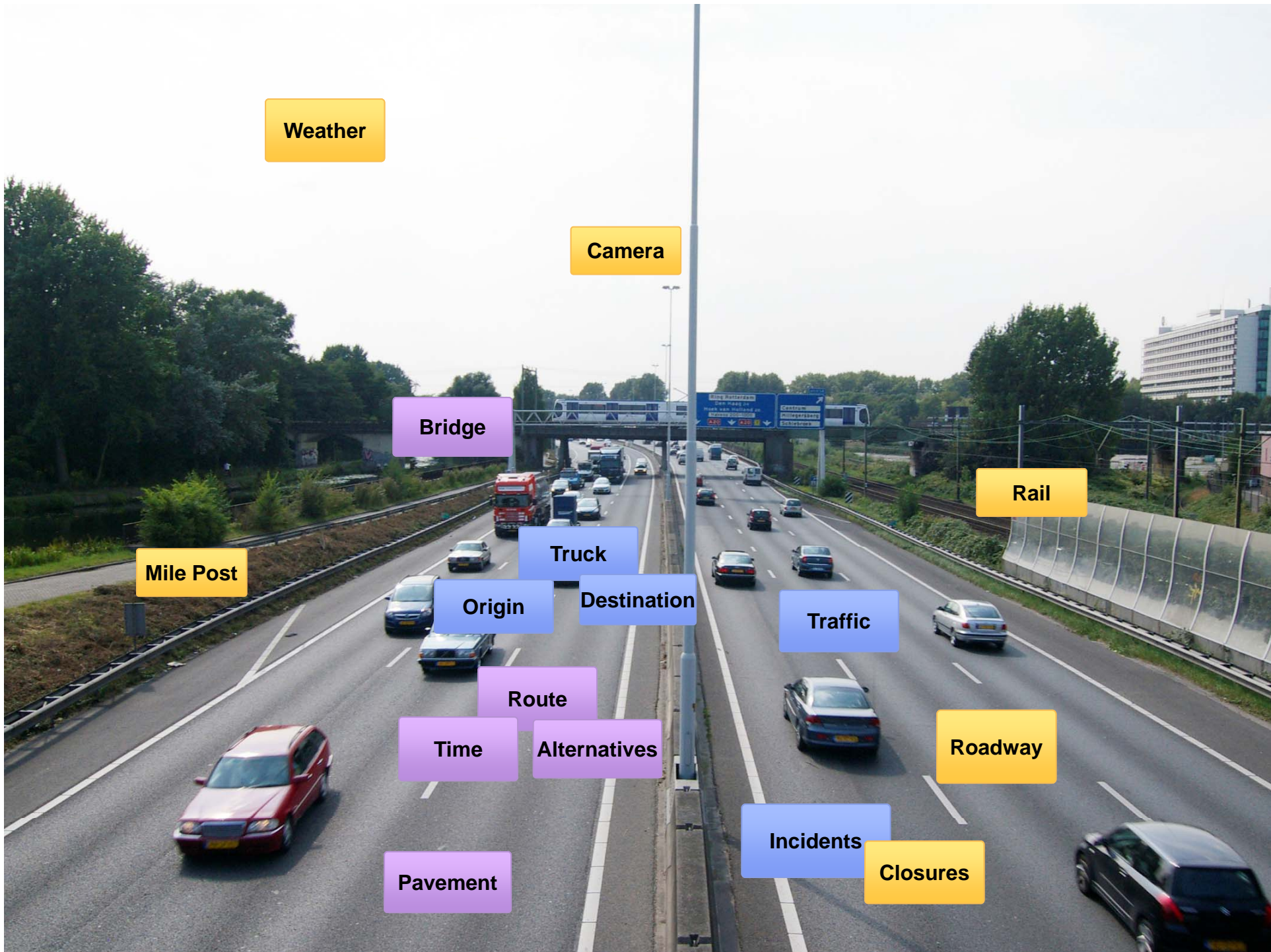


# The Role of GIS in Decision Support Systems

Jeremy Smith







Weather

Camera

Bridge

Rail

Mile Post

Truck

Origin

Destination

Traffic

Route

Time

Alternatives

Roadway

Pavement

Incidents

Closures

# Patterns of Business Behavior



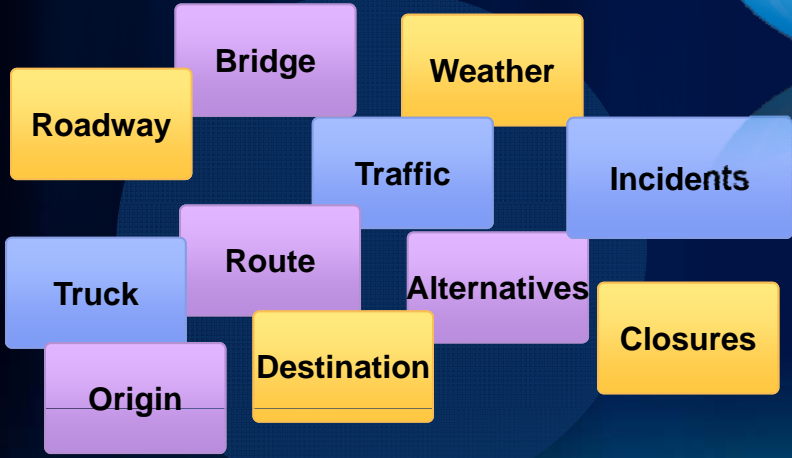
**Decision Support Workflows**



**GIS Integration & Analysis Framework**



**Regional Data Sources**



# Example- NMRoads.com

The screenshot displays the NMRoads.com website interface, which provides real-time road information for New Mexico. The main map shows the Albuquerque area with various road conditions indicated by colored lines and icons. A legend on the left side of the page lists the following categories and their corresponding icons:

- Road Conditions:**
  - Road Closure
  - Severe Driving Conditions
  - Difficult Driving Conditions
  - Fair Driving Conditions
  - Seasonal Closure
  - Crash
  - Alert
  - Special Events
  - Other States 511
- Cameras and Message Signs:**
- Road Construction Information:**
- Traffic Conditions:**
- Current Weather Conditions:**

The bottom section of the screenshot shows a detailed view of a road camera feed, labeled "49 | Telephone by RealTime Sites". The camera feed shows a multi-lane highway with traffic. The legend on the left side of this section includes:

- Current Traffic:**
  - State Wide
  - Albuquerque
  - Santa Fe
  - Las Cruces
  - Congestion
  - Speed
- Current Weather Conditions:**
- General Transit and Rest Area Information:**
- GIS Map Layers:**

The website also features a navigation bar at the top with links for "Admin Logout", "Admin Functions", "View Live Road Conditions", "Dynamic Message Signs", "View All Alerts", "Contact Us", and "Disclaimer". The bottom of the page includes contact information for the New Mexico Department of Transportation (NMDOT) and a disclaimer.

# IRRIS

Bill Galten- Geodecisions