CASE STUDY

How ARDOT Delivers Statewide Live Traffic

CAMSTREAMER

1. Overview

The **Arkansas Department of Transportation** (ARDOT) maintains more than 16,000 miles of roadway across the state of Arkansas, USA.

As part of its commitment to transparency, safety, and efficient traffic management, ARDOT developed **I Drive Arkansas**, an online portal and mobile application that provides real-time traffic information across the state.

A key feature of the platform is **live highway streaming**, powered by **CamStreamer App**, running directly inside over 700 **Axis Communications** network cameras.

2. Challenge

Managing traffic across thousands of miles of highways requires more than static updates.

ARDOT needed a solution that would:

- **Deliver real-time live traffic video to the public**
- **Scale across hundreds of geographically distributed cameras**
- **Provide reliable performance in critical traffic locations**
- **Integrate seamlessly into the existing I Drive Arkansas platform**

The solution had to be simple, robust, and capable of long-term deployment within a state-level transportation infrastructure.

3. Solution

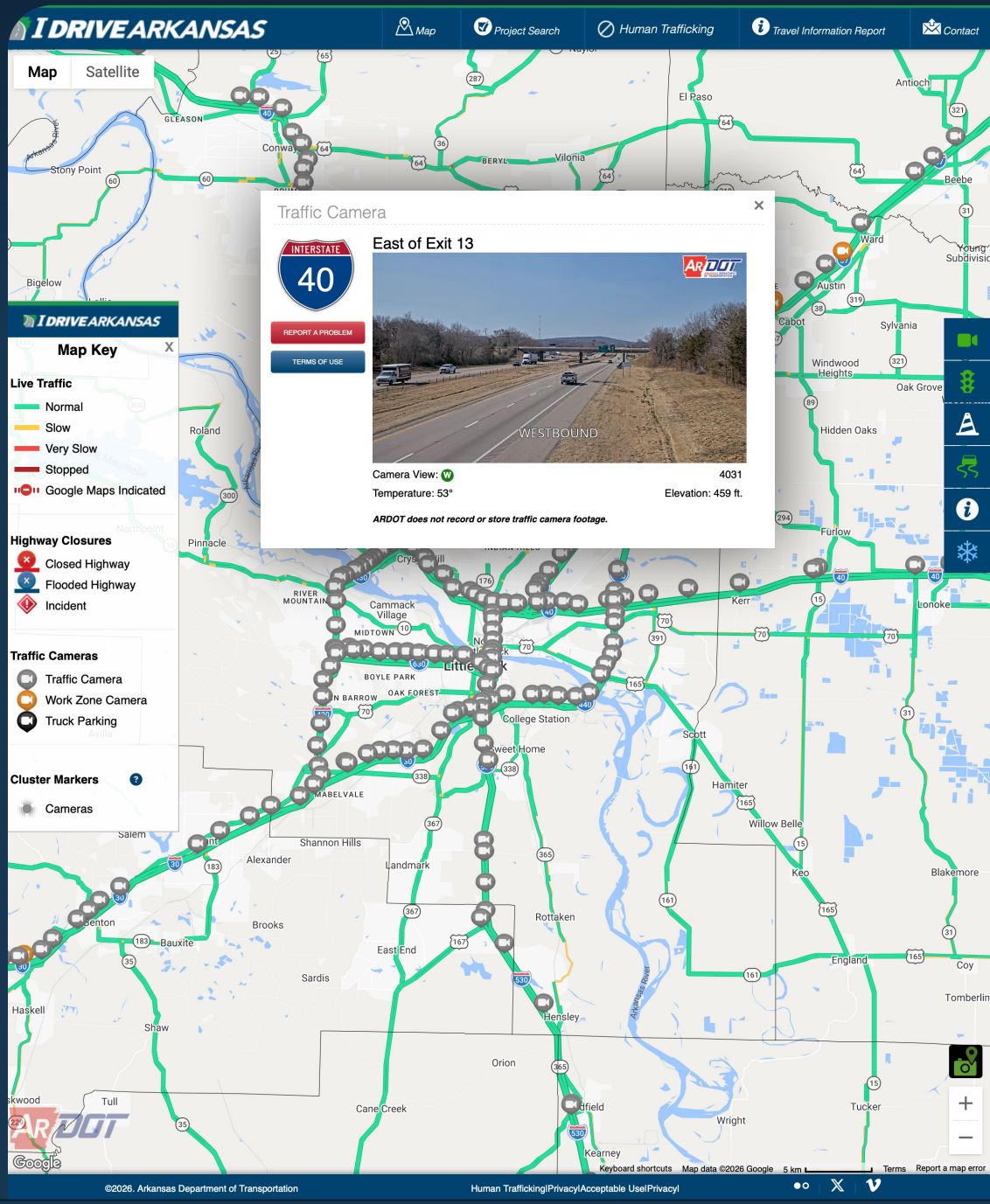
Since 2017, ARDOT has used CamStreamer App for its live streaming functionality.

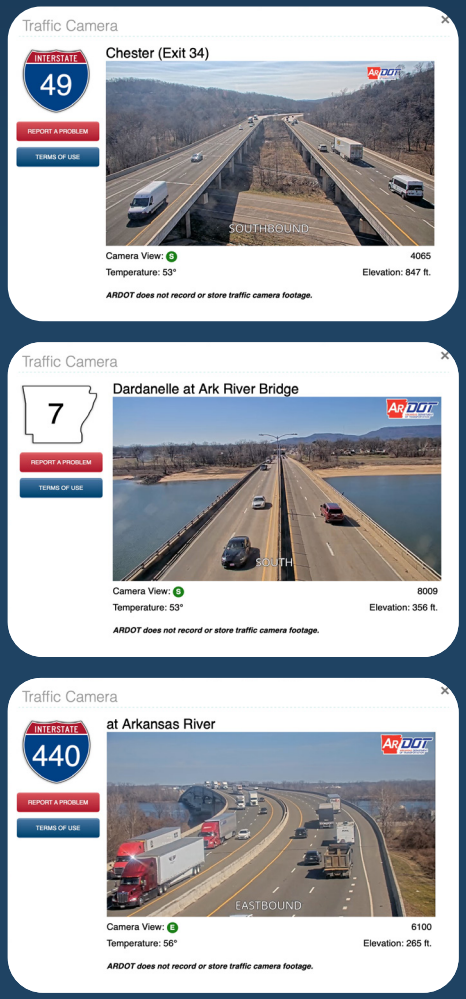
Installed directly on Axis network cameras, the app enables each camera to send an RTMP stream directly from the device to the ARDOT platform. From there, the stream is relayed to the I Drive Arkansas website and mobile application, providing citizens with high-quality, real-time traffic visibility across the state.

This in-camera architecture eliminates the need for additional streaming hardware and ensures a clean, scalable deployment model.

ARDOT uses multiple Axis camera models, including: AXIS P5655-E, AXIS P5635-E MK II, AXIS Q6215-LE, AXIS Q6135-LE, AXIS Q6035-E, AXIS P5534-E.

These cameras are deployed at critical traffic locations statewide and provide durable, high-quality video suitable for continuous public streaming.





I DRIVE ARKANSAS

4. Result

With **more than 700 cameras** integrated into the platform (in 2026, and still growing), ARDOT delivers:

- **Real-time statewide traffic visibility**
- **Improved road user awareness**
- **Faster response to incidents and congestion**
- **Greater transparency for citizens**

The combination of Axis network cameras and CamStreamer App has proven to be **simple**, **robust**, and **problem-free** over years of operation.

The **I Drive Arkansas platform** offers a user-friendly interface that helps travelers make informed decisions and contributes to the overall improvement of the transportation system in Arkansas.

Key technologies

- **ACAP application:**
  CamStreamer App
- **Axis cameras, eg.:**
  AXIS Q6215-LE
  AXIS Q6135-LE
  AXIS Q6035-E
  AXIS P5655-E
  AXIS P5635-E MK II
  AXIS P5534-E
- **Streaming platform:**
  www.idrivearkansas.com
- **Location:**
  Arkansas, USA

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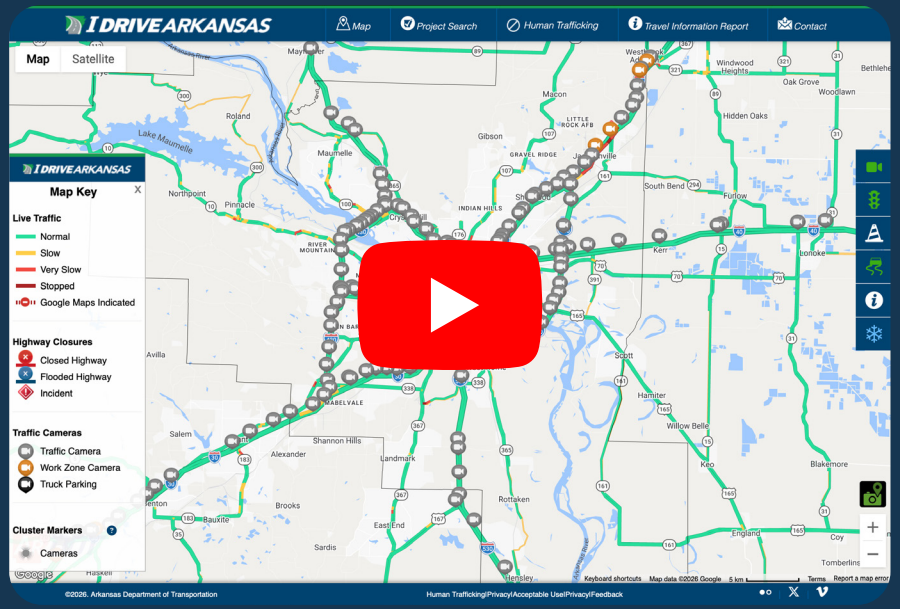
AXIS COMMUNICATIONS

AR DOT ARKANSAS DEPARTMENT OF TRANSPORTATION

5. Partnership Built on Reliability

- **Growth from 0 to 700+ active cameras**
- **Reliable deployments across Arkansas**
- **Full control of data within national boundaries**
- **Smart integration ready for future expansion**



- The cooperation between ARDOT, Axis, and CamStreamer demonstrates how in-camera applications can support critical public infrastructure.
- By combining durable hardware from Axis with lightweight streaming software embedded directly in the camera, ARDOT has built a reliable and scalable traffic information system that serves citizens across the entire state.

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DOES THIS CASE MATCH YOUR CLIENT‘S NEED?

Let‘s discuss it together.

Contact us