

Company Name: Alabama Department of Transportation

Project Title: ALGO Traffic Revamp

Project Description:

Alabama Department of Transportation (ALDOT) and University of Alabama Center for Advanced Public Safety (UofA CAPS) undertook a complete redevelopment of ALDOT's statewide traveler information web and mobile application, ALGO Traffic. Their goal was to provide enhanced real-time information, improve the user experience, and assist the traveling public in navigating traffic conditions more effectively.

This project aligns with the criteria for the Local Government Award.

Developed or deployed a significant new innovative ITS product or service over the course of the previous year

ALDOT's upgrade of the ALGO Traffic platform represents a notable innovation in traveler information systems. Key new features include:

- Animated Weather Radar, which integrates meteorological data directly into the traffic platform, offering drivers real-time weather visibility.
- Expanded ASAP (Alabama Service Assistance Patrol) coverage details, enabling more transparent access to roadside assistance.
- User-centric design improvements, including dark mode and optimized tablet layouts, which enhance usability and accessibility across multiple devices.

These features represent the deployment of a new generation of ITS tools, combining traffic data, weather overlays, and public safety services into a single, state-operated platform.

Implemented policy or project advancing the development and deployment of ITS over the course of the previous year

By expanding the ALGO Traffic platform, ALDOT has demonstrated a strategic commitment to advancing ITS statewide. This project exemplifies:

- An emphasis on integrated, real-time information systems to enhance roadway efficiency and public safety.

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- An effort to institutionalize ITS as a core component of Alabama's transportation infrastructure, extending its reach to more rural and underserved areas through broader ASAP service transparency and digital access.

Fostered advanced deployment of ITS services through the new product or service

The ALGO platform's latest enhancements help catalyze advanced ITS deployment in several ways:

- Multi-layered data integration (traffic, weather, emergency patrols) supports a more proactive and data-driven response by motorists and transportation managers.
- The inclusion of mobile and tablet-friendly designs ensures wider public adoption, which in turn increases the efficiency of ITS data usage.
- The platform supports personalized traveler alerts, which empower users to make informed decisions—reducing congestion, improving safety, and optimizing trip planning.

This deployment positions ALDOT as a leader in real-time, user-informed ITS systems, setting a regional standard for other DOTs.

Plays a leading role in the ITS community

ALDOT's leadership in developing and maintaining ALGO Traffic positions it as a pivotal organization in the ITS community, particularly in the Southeastern U.S. The agency:

- Consistently invests in emerging ITS technologies to support statewide traffic operations.
- Operates as a public-facing authority that bridges technology, public safety, and traveler empowerment.

ALDOT's expansion of the ALGO Traffic system is an exceptional example of modern ITS implementation: innovating in product design, advancing public service delivery, encouraging the adoption of real-time traffic intelligence, and maintaining a leadership position within the national ITS community.

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