UPDATE

Safety Technical Assistance for Counties and Cities

Veronica Ramirez, E.I.
Transportation Engineer
Alabama Transportation Assistance Program

Alabama Transportation Assistance Program

Alabama’s LTAP Center
What is LTAP?

- LTAP = Local Technical Assistance Program
  - Funded by FHWA and state DOTs
  - Every state has an LTAP Center
  - Since 1982

What does an LTAP do?

- Primary function of a LTAP: Provide cost-effective training and technical assistance to counties and cities

Louisiana LTAP  Texas LTAP  Minnesota LTAP
What is ATAP?

- Alabama Transportation Assistance Program
- Alabama’s LTAP Center
- Housed within Auburn University since 1983

We have a new name!

Department of Civil & Environmental Engineering
Who are we?

• **Kim Brumbeloe**  
  Data Tech
• **Carla Story**  
  Financial Associate
• **Rod Turochy**  
  Director
• **Veronica Ramirez**  
  Transportation Engineer

What does ATAP do?

• Presents conferences
  - Alabama Road Safety Conference ~ **272 attendees**
  - Alabama Transportation Conference ~ **953 attendees**
• Presents 40-50 workshops every year on a variety of topics:
  - Right of Way  
  - Pavement  
  - Road Safety  
  - Erosion Control  
  - Traffic Engineering  
  - Flagger Training
### Workshops

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<tr>
<th>Event</th>
<th>Dates</th>
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<tr>
<td>Boundary Lines of the Mississippi Territory &amp; Professional Ethics</td>
<td>Oct. 15-18, 2019</td>
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<td>Flagger Training with Field Exercises</td>
<td>Oct. 29, 2019</td>
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<tr>
<td>Safe Transportation for Every Pedestrian</td>
<td>Nov. 6-7, 2019</td>
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<td>Right of Way Acquisition and The Uniform Act</td>
<td>Nov. 13-14, 2019</td>
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<td>Temporary Traffic Control</td>
<td>Dec. 4-12, 2019</td>
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<tr>
<td>63rd Annual Alabama Transportation Conference</td>
<td>Feb. 11-12, 2020</td>
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### Webinars

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<tr>
<td>Road Diet (Lane Reconfiguration)</td>
<td>Jun. 16-17, 2020</td>
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<tr>
<td>Proven Safety Countermeasures</td>
<td>Aug. 27, 2020</td>
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<tr>
<td>Standards of Practice &amp; Professional Ethics</td>
<td>Sep. 23-24, 2020</td>
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<tr>
<td>Alabama Roundabout Workshop</td>
<td>Oct. 6-7, 2020</td>
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<tr>
<td>OSHA-10</td>
<td>Nov. 9-12, 2020</td>
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<tr>
<td>Fundamentals of Traffic Engineering</td>
<td>Nov. 18-19, 2020</td>
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Online Learning Hub

The Alabama Transportation Assistance Program is pleased to offer a series of online courses on a wide variety of transportation-related topics. The online course catalog is available for everyone to register for and complete at their own time. ATAP’s online courses are intended to make learning and professional development more accessible to our stakeholders at their convenience. Registration and subsequent completion of post-course evaluation surveys are required in order to obtain PDH certificates.

FUNDAMENTALS OF ROADWAY GEOMETRIC DESIGN
an Alabama Transportation Assistance Program series of online learning courses

The Fundamentals of Roadway Geometric Design is a five-part online course series. Each course consists of a one-hour video that can be viewed on your own time, at anytime. Each course completed earns participants 1.0 PDH.

Course 1 - Overview

This course provides an overview of roadway geometric design and serves as a preview for subsequent courses in the series. Key early steps in the design process such as design elements, horizontal alignment, and vertical alignment, are discussed. This course will be useful as a refresher for the seasoned road designer. It will also provide insight into the design process for transportation professionals involved in other phases of project life cycle.

Course 2 - Design Factors and Other Considerations

This course presents a detailed discussion of the factors that a road designer must consider in making decisions early in the design process. These decisions pertain to key design elements that govern the design process and selection of criteria for alignment and cross-sectional elements. This course will be useful as a refresher for the seasoned road designer. It will also provide insight for other transportation professionals into the decisions that a road designer must make early in the design process.
Online Training Opportunities by Others

Online Training Opportunities

The ATAP team hopes that all is well with you and yours during these challenging times. Understanding the importance of continued training during this period without in-person workshops, we have assembled the following list of online training opportunities from many resources. Additional opportunities will be added as they become available.

Online Training Opportunities
Where can I find more information?

eng.auburn.edu/atap  facebook.com/LTAPalabama  ‘Alabama LTAP’

UPDATE

Safety Technical Assistance for Counties and Cities
What is STACC?

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<td>• Is a program that provides <strong>technical support and assistance</strong>, <strong>training</strong>, and other activities to counties and cities.</td>
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<td>• STACC will support their efforts to <strong>reduce fatalities and injuries</strong> on locally maintained roads.</td>
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<td>• Supports the goals of both the Alabama Strategic Highway Safety Plan and the ALDOT Towards Zero Deaths strategy.</td>
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What can STACC do?

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<td>• STACC can assist agencies that have safety concerns with <strong>high crash</strong> locations on their local roads.</td>
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<td>• STACC can help your agency evaluate and implement proven safety countermeasures from a <strong>systemic approach</strong>.</td>
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<td>• STACC can help by evaluating safety deficiencies and recommending right-sized solutions as well as cost-effective and countermeasures.</td>
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What can STACC do?

• The ATAP staff can assist with compact projects where the scope is limited to an intersection or a road segment.

• For more extensive projects, STACC may enlist the services of a consultant to examine the site, review the crash history, diagnose problems, and recommend potential countermeasures.

Why we do it?

• Alabama Fatalities 2009-2018
Why we do it?

- **Urban vs Rural Fatalities 2009-2018**

![Bar chart showing Urban vs Rural Fatalities from 2009 to 2018.](chart.png)

Technical Assistance Requests

- Wilcox County reached out and expressed concern about a set of horizontal curves on County Road 18
  - Conducted a field visit
  - Collected data using a ball-bank indicator
  - Referred to the MUTCD Chapter 2C
  - Designed a sign layout
  - Ordered signs
  - Signs were installed by ALDOT and County personnel
Safety Video Series

• ATAP has been able to put together and produce a series of safety focused videos.

• The purpose of these videos is for YOU to use them to help communicate the meaning of safety to your safety stakeholders, elected officials, and the general public.
Crash Data Interpretation

- Guide cities and counties through the interpretation of the crash data.
  - Identify crash trends
  - Diagnose major causes
  - Site safety assessment
  - Countermeasure selection

The Road Safety Champion Program (RSCP) is a certificate program designed to improve the safety training of those responsible for operating, maintaining, designing, and enforcing local roads. The long-term goal is to build a knowledgeable workforce that is motivated to implement safety improvements that reduce injuries and fatalities on rural and local roadways.
Road Safety Champion Program

**LEVEL 1 CORE MODULES (CM): Required for all Career Pathways**

- **CM#1**: Introduction to Road Safety
- **CM#2**: Introduction to Traffic Safety Culture
- **CM#3**: Anatomy of a Crash – Understanding Human Factors
- **CM#4**: Overview of the MUTCD
- **CM#5**: Intersection of Transportation with Public Health and Law Enforcement
- **CM#6**: Reading the Roadway
- **CM#7**: Safety Analysis Process

**Maintenance & Construction**

**Planning & Engineering**

**Public Health**

**Law Enforcement**

*Modules are still being finalized… We hope to deliver these modules on-demand & on-site!*

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Road Safety Reviews

Over the past year, we’ve participated in a series of Road Safety Reviews led by ALDOT’s Office of Safety Operations

- Bibb County
- Shelby County
- Talladega County
- Tallapoosa County
- Clay County
- Sumter County

We hope that we continue to do more in the future…
Local Road Safety Plan Pilot

• ATAP was happy to participate and help assist the first ten counties that volunteered to be part of the LRSP Pilot Program, participants included:
  – Elmore County
  – FHWA and the AL Division Office
  – ALDOT's Office of Safety Operations
  – Alabama Transportation Assistance Program

Lauderdale
Sumter
Wilcox
Chambers
Houston
Crenshaw
Lee
Perry
Autauga
Henry
Needs Assessment Survey

- The goal is to better serve the county and city engineers with their safety improvement projects.

- Needs Assessment has gotten over 100+ responses so far and we hope to keep collecting more.

How can I apply for STACC assistance?

Reach out to us, we’ll be happy to help!

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