

Transportation Planning and Policy



Transportation Planning and Policy helps agencies identify and address current and future needs, reduce inefficiencies, incorporate new and developing technologies, and provide essential cost savings. ARA provides a variety of transportation and infrastructure planning and policy work, including implementation guidance, high-quality research, specialty products, rapid prototypes, and technical support services to help practitioners, researchers, and other transportation professionals solve real-world challenges.



Transportation and Infrastructure

ARA delivers exceptional research and strategic planning for transportation planning, policy, and infrastructure programs with implementable results and communication tactics. We combine decades of research and development, risk and safety analysis, technology deployment, program implementation, and consulting experience with subject matter expertise to provide comprehensive transportation planning services with a focus on equity and mobility. ARA is leading the way in incorporating equity considerations in transportation research while providing services in mobility, safety, and emerging technologies.



ARA researchers are practitioners first, recognizing that innovation does not happen without in-depth understanding of application. Drawing on this philosophy, we provide innovative policy and planning services in the following areas:

- Automated and Connected Vehicles
- Transportation Asset Management
- Freight Accommodations
- Research implementation and communications
- Federal Compliance
- Stakeholder engagement and outreach
- Innovative contracting
- Emerging Technology Research
- Active transportation
- Transportation Systems Management and Operations (TSMO)
- Intelligent Transportation Systems
- Safety, Operations, & Human Factors Analysis

Research & Technical Support

ARA's planning and policy team advances the industry at multiple levels with national, state, and local clients, including the National Cooperative Highway Research Program (NCHRP), Federal Highway Administration (FHWA), the American Association of State Highway and Transportation Officials (AASHTO), State Department of Transportations (DOTs), and local and county agencies. ARA is a prime contractor supporting the FHWA's National Highway Institute, Office of Highway Policy and Information, Turner Fairbank Highway Research Center, Federal Motor Carrier Safety Administration and is also supporting other FHWA offices through team activities.

ARA provides measurable and traceable results that communicate value added and return on investment at all stages of the project or program. We work with our clients to improve the safety, mobility, and efficiency of the transportation system by streamlining processes, incorporating performance-based practices, and advancing emerging technologies.

ARA's recent highlights and successes include:

- Supporting FHWA on AV readiness for infrastructure and the Every Day Counts program for alternative contracting methods and local road safety.
- Research documentation and implementation on numerous Transportation Research Board NCHRP programs providing synthesis reports, research studies, best practices, and peer exchanges.
- Education and outreach support to the National Highway Institute for course development and instruction.
- Providing program and project management, support, delivery, and subject matter expertise for alternative contracting method projects including risk management and analysis for a variety of clients including FHWA, NCHRP, SHRP2, and local agencies.
- Program planning for Transportation Systems Management and Operations for FHWA and State DOTs to institutionalize an operations mindset throughout agencies.
- Asset management planning, evaluation, and guidance at the Federal Level and tactical plans at State DOTs and regional transportation agencies.
- Freight and motor carrier research and development, technology deployment and operations, and logistics strategies for NCHRP, Mississippi Valley Freight Coalition, Wisconsin DOT, and the Federal Motor Carrier Safety Administration.
- Agency capacity building and stakeholder coordination and engagement including for active transportation, operations, and systems management.
- Streamlining equity in transportation planning including a focus on rural mobility systems and technology deployment.



The ARA Added Value

Our success is based on our **proven approach**, assigning project staff based **subject matter experts** within the company and leveraging **strategic partnerships** to develop **innovative technologies** based on an **in-depth understanding of our customers**. We know the obstacles and risks to planning implementation and work closely with teaming partners to develop appropriate processes, procedures, and details to demonstrate value of any project outcomes. All our research work is tailored to clients' needs and goals and consistent with our clients' traditional business and technical culture.