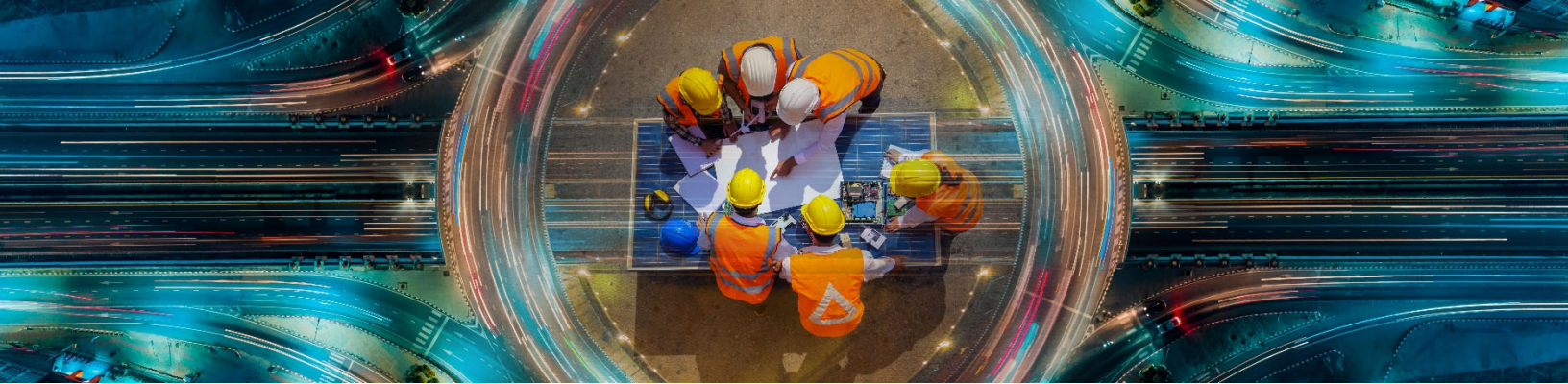


Alternative Project Delivery Support



ARA provides comprehensive and innovative alternative contracting methods (ACMs) and project delivery support for a range of transportation- and infrastructure-related projects and programs. ARA's clients include highway agencies, local public agencies, tribal nations, airports, designer-builders, and P3 teams. We combine decades of research & development, risk analysis, program implementation, and consulting experience with broad subject matter expertise to offer comprehensive alternative project delivery support services. ARA staff has a wealth of experience in project and risk management. With a focus on identifying and implementing opportunities, while detecting and responding to threats: we help clients **reduce costs** and **accelerate timelines** in accomplishing their goals.

ARA personnel have extensive experience in alternative delivery projects representing owners, engineering firms, design-builders, and financiers. This experience gives our expert staff a comprehensive view from all perspectives—no matter your role, we add value.

Agency/Program Support

Existing ACM selection methodologies rely significantly on user judgments. This judgment can increase the cost of alternative delivery compared to traditional design-bid-build contracts. ARA's ACM delivery and project support rely on quantitative, proven methodologies to drive data decision making with a proven track record of reducing time and cost for agencies. ARA brings an understanding of both national and international practices as it concerns current practice in use of ACMs for clients with all sorts of familiarity with ACM. We understand obstacles to acceptance and implementation of alternative contracts and delivery methods.

Our engineers have provided:

- ACM selection guidance
- Owner/Agency toolsets
- ACM decision making frameworks
- ACM best practices
- Case studies
- ACM decision workshops
- Training courses for owner or agency support

ARA is a leader in **risk management training**, **risk analysis**, and **Request for Proposal (RFP) quality reviews** having served as FHWA's contractor for implementing the SHRP2 R09 Managing Risk in Rapid Renewal Project. We provide implementation support for Disadvantaged Business Enterprises for design-build projects and other alternative project delivery methods based on 49 CFR Part 26. We work closely with agencies to develop appropriate content and messaging to demonstrate the value of implementation tailored to their organizational culture. ARA's staff has captured international best practices including for FHWA's Office of Innovative Program Delivery (HIN-21-008) and currently manages Every Day Counts 5 support for value capture. Our easy-to-use guidance and frameworks, including software tools, easily integrate into existing agency and firm processes.



For more information on ARA's alternative contracting method capabilities, please visit www.ara.com.

Recent Alternative Project Delivery Support Accomplishments

- FHWA and AASHTO SHRP2 R10, Strategies for Managing Complex Projects, project deployment support contractor.
- NHI Course #310065, Risk Management training delivery consultant.
- Developed the CASE (Contracting Alternatives Suitability Evaluator) Webtool.
- Developed FHWA Alternative Contracting Methods training course NHI-134058.
- Developed FHWA Disadvantaged Business Enterprise (DBE Alternative Contracting Methods Handbooks

Project Delivery Support

We help owners and owner representatives identify opportunities and threats to their projects and programs throughout their life cycle including post-performance evaluation through subject matter expertise. ARA's subject matter experts use a wide range of techniques and tools, from qualitative to full scale probabilistic risk management, developed from national-level research and honed on both large and small complex projects and programs. The key to successful risk management is tailoring process and tools to accommodate the unique project and program needs. One size does not fit all.

Recent Accomplishments

- ARA experts are providing technical assistance and risk management services for the civil works elements of the California High-Speed Rail project.
- ARA experts are providing webinars and live delivery training on risk management for the American Society of Civil Engineers and the USA Corps of Engineers.
- ARA staff provide Post-Award Contract Administration for FHWA Alternative Contracting Methods Evaluation Toolset and highway projects delivered using Alternative Contracting Methods.

Design-Build Team Support

ARA is a distinguished engineering firm that provides subject matter expertise to support pavement design, geotechnical design, and risk analysis. We have supported a full spectrum of pavement engineering services worldwide, including for design-build and public-private partnership teams on major highway projects. At the heart of our capabilities is our ability to accurately model infrastructure performance, simulate traffic loads and climate, and predict future rehabilitation and maintenance needs.

Recent Accomplishments

- ARA Subject Matter Experts provide risk management consulting services to FHWA's Build America Bureau for major complex highway and transit in Virginia and Hawaii.
- ARA staff are Principal Investigator and Project Manager on FHWA contracts for selection and deployment of D-B, CM/GC, and CMAR for surface transportation owners.
- ARA has provided value engineering and constructability services for complex and mega highway and railway projects and programs in Alaska, California, Hawaii, New Jersey, New York, and Wisconsin since 2008.

