

# Risk Management Services



ARA provides innovative risk management services for a broad range of transportation- and infrastructure-related projects and programs. We combine decades of research & development, technology deployment, and consulting experience with broad subject matter expertise and integrate them with the science and art of risk management to offer comprehensive services and technologies.

Our efforts focus on identifying, assessing, monitoring, and addressing risks. The results improve infrastructure performance through:

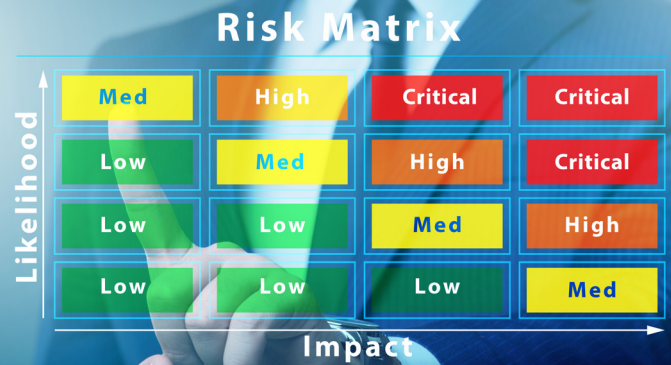
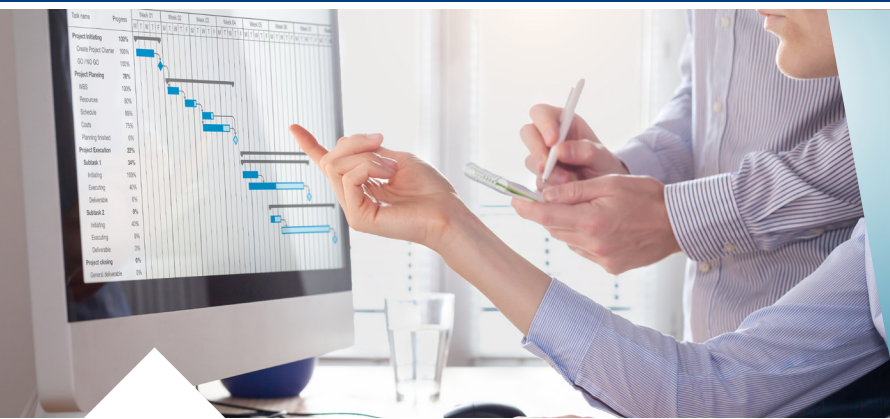
- **Support informed and focused decision making under uncertainty**
- **Proactive response plans for risks throughout the project life**
- **Optimized schedule and budget performance**
- **Improved communications among internal and external stakeholders**
- **Improved project, program, and portfolio delivery**
- **Achievement of enterprise goals and objectives**

## The ARA Risk Management Approach

We generate and monitor strategies that address risks and optimize opportunities using factual information, statistical data, and engineering models to identify, assess, and prioritize. We help owners and stakeholders identify opportunities and threats to their projects and programs throughout their life cycle. 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 the process and tools to accommodate the unique project and program needs. One size does not fit all.



FOR MORE INFORMATION ON ARA'S RISK MANAGEMENT SERVICES, PLEASE VISIT [WWW.ARA.COM](http://WWW.ARA.COM)



## The ARA Added Value

Our success is based on our **proven approach, innovative technologies, subject matter experts** and **in-depth understanding of our customers**. ARA provides full scale probabilistic and objective qualitative risk management services leading to measurable and traceable plans that can capture and communicate the value of risk management at different stages of project or program development, execution, and operation.

We know the obstacles to acceptance and implementation of risk management and work closely with local risk management “champions” to develop appropriate content and messaging to demonstrate the value of implementation tailored to an organization/agency culture.

ARA understands the dynamic and changing nature of transportation projects and programs. The established risk management plans and strategies are engineered to update and incorporate the feedback from the monitored performance throughout the different projects’ or programs’ life and phases. Our risk management services address the need to develop asset management and performance management plans by connecting asset condition data (ex. bridges and pavements) to corridor and network decisions based on quantitative modelling.

## ARA’s Risk Management Experience

- ARA has developed an easy-to-use risk management software tool based on mean values and ratings and applied this using the Delphi Elicitation process.
- ARA personnel have extensive experience in alternative project 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.
- ARA served as the Federal Highway Administration (FHWA) contractor for delivering training, workshops, and technical assistance for Strategic Highway Research Program (SHRP2) R09, Managing Risk in Rapid Renewal Projects. ARA was the FHWA and American Association of State Highway and Transportation Officials (AASHTO) SHRP2 R10 project deployment support contractor.
- ARA is the training delivery consultant for NHI Course #136065, Risk Management.
- 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 risk management experts integrate their experience within the many other Infrastructure scientific and engineering services we provide.

