

Transportation

We bring advocacy and ingenuity to our transportation teaming partners so they can do more with less.

Transportation infrastructure projects are often in the public spotlight and working on them can feel like you're under a microscope. Whether you're repairing or building a bridge, retaining wall, roadway, or rail, keeping projects on schedule and under budget is imperative when public funds are being used to construct crucial arteries that impact people's everyday life. Active involvement with multiple stakeholders and regulators across teams of contractors, engineers, and transportation officials can complicate an already difficult puzzle. Even smaller projects can quickly become complex and even risky.

Haley & Aldrich's geotechnical consultants and environmental professionals understand that while technical excellence is required to deliver a transportation project, that alone doesn't guarantee the successful delivery of transportation projects. Clear, consistent, and responsive communication is also a major key to success. That's why our transportation engineering consultants work closely with the whole project team — designers, contractors, and owners — to identify and assess multiple technically feasible solutions for each project challenge, including quantifying geotechnical design, environmental impacts, and construction risks. Our process promotes open and candid discussion between designers, contractors, and owners. As a result, we efficiently determine the most cost-effective and constructible solution for each project.

Our clients often tell us that our ability to foster open communication and collaboration throughout the project's design and construction phases is what sets our transportation consulting services apart from our competition. These attributes are even more critical to the success of alternative delivery projects, such as design build and P3. Our professionals understand the demands of alternative delivery and thrive on the fast-paced nature of these projects.

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Talk to our market experts



Wayne Chadbourne

Transportation Leader, Principal Consultant



Mike Schmitz

Principal Consultant, Geotechnical Engineer

Market highlights

- Contaminated soil and groundwater investigations and remediation
- Design-build, P3, and other alternative delivery method execution
- Emergency response engineering
- Foundation selection and substructure design for bridges and retaining walls
- Geotechnical instrumentation design and implementation
- Liquefaction and lateral spreading of soils identification and mitigation
- Rock engineering, rockfall mitigation, and rock slope stabilization
- Site-specific seismic evaluations
- Soft ground engineering – lightweight fills, column supported embankments, and ground improvement
- Subsurface characterization and determination of engineering properties of soils



Bringing new efficiencies to your transportation engineering projects

At Haley & Aldrich, our geotechnical engineers and environmental consultants consider themselves stewards of your transportation resources — and we understand your resources are always limited. We continually seek new ways to bring efficiencies to your transportation infrastructure projects. One way we do so is by using **Lean principles** to bring teams together, reduce costs, and save time. These practices, combined with the fact that we always design with construction in mind, ensure that our transportation engineering consulting services can help you reach your goals on time and on budget. That includes any sustainability objectives tied to your project.

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Some of the transportation engineering services we offer:

- **Contaminated site management**
- **Foundation design**
- **Geotechnical instrumentation**
- **Ground improvement**
- **Project delivery excellence**
- **Rock engineering**
- **Support of excavation design**

For such critical projects, an innovative, experienced transportation engineering consulting firm can be a game-changer. From bridge and highway projects to rail and ports, our engineers and scientists will partner with you and your design and construction team to create seamless processes and achieve ideal outcomes, on time and under budget.