



Harris & Associates

RAIL + TRANSIT

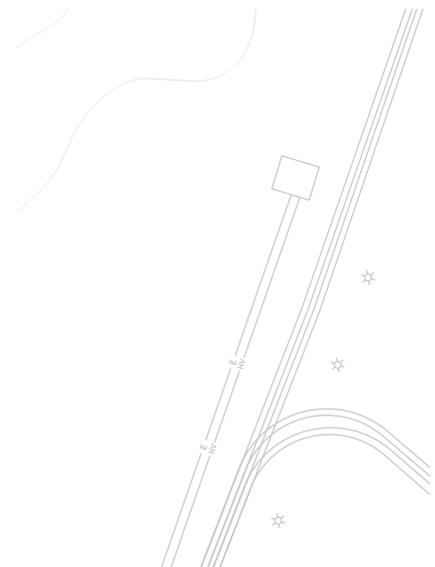
Considering their importance to thriving communities, all rail and transit projects are high-stakes endeavors. Harris & Associates supports agencies in the seamless expansion and enhancement of systems that boost commuter safety and mobility.

We help keep rail and transit projects' schedules and budgets on track with award-winning project management, construction management, and more. Our vast experience with grade separations, utility coordination, and structures inspections allows us to foresee issues before they become major challenges. This is one of the reasons why the California High Speed Rail Authority chose Harris to work on its Construction Package 1—the largest rail project in California state history.

Understanding All the Standards

Harris has a long history of providing quality construction management services to transit agencies using the Caltrans Standard Plans and Specification, the GreenBook, Local Assistance Procedures Manuals (LAPM), and Caltrans Construction Manuals.

Our deep rail-specific expertise in Union Pacific Railroad (UPRR) Design Standards and American Railway Engineering and Maintenance-of-Way Association (AREMA) requirements. Our deep knowledge of these standards enables us to determine which specification supersedes another. This lack of a learning curve means we are ready to move forward from day one.



Stringent About Safety

Our team keeps a keen eye on safety to protect the public, including pedestrians during road closure and construction, as well as the personnel working on the project. Our efforts to maintain safety—and reassure the community—include constant updates about closures, fencing around jobsites, diverting traffic, and clear signage for pedestrians and motorists.



Glen Helen Parkway Phase I Grade Separation **County of San Bernardino**

Devore, CA

Harris & Associates helped eliminate hazards by managing the construction of a grade separation bridge over the existing at-grade railroad crossings. The completed first phase raised the road 45 feet to provide unimpeded vehicle access across two sets of tracks. Harris & Associates provided the construction management and contract administration for everything from utility relocations to traffic management during construction.

Sounder Commuter Rail, D to M Street **Sound Transit, WA**

Tacoma, WA

This \$41 million project includes the construction of approximately 1.4 miles of commuter rail from Freighthouse Square in Tacoma to M Street in South Tacoma.

HIGHWAYS

BRIDGES

RAIL + TRANSIT

925.827.4900

www.WeAreHarris.com

Harris partners with public agencies to enhance their communities.