

ENDURING. DRIVEN. VISIONARY.

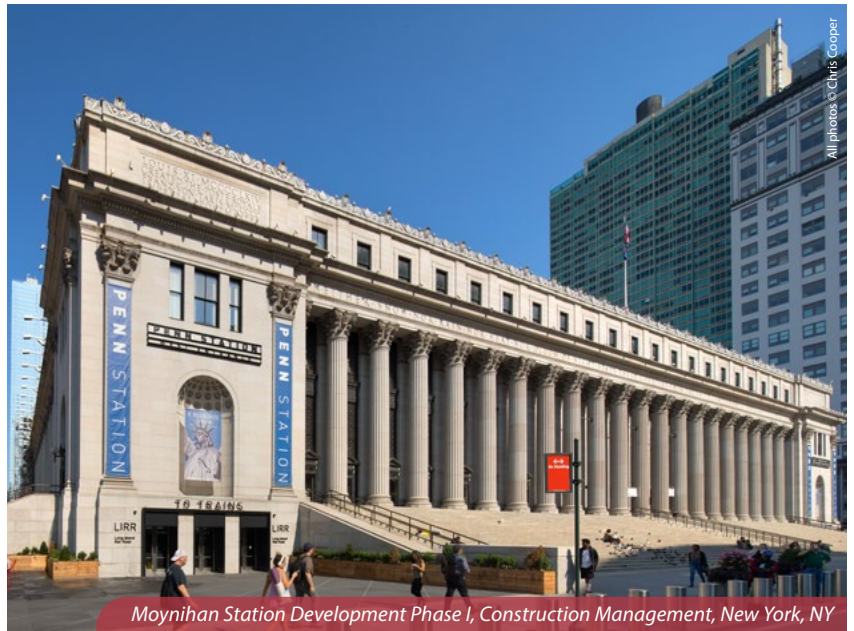
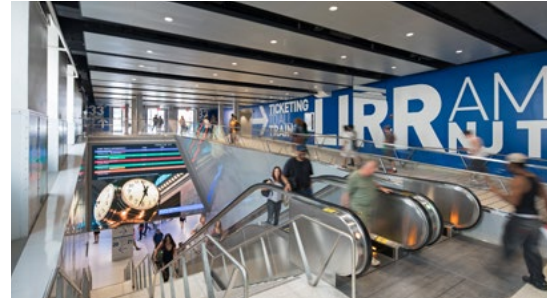
PASSENGER TRANSPORTATION





City of Anaheim Department of Public Works Anaheim Regional Transportation Intermodal Center, Construction Management, Anaheim, CA

Whether it's urban mass transit, commuter, intercity or high-speed rail, passenger transportation is sustainable, efficient and environmentally friendly. It promotes economic growth and reduces highway congestion and air pollution. STV has served the passenger transportation industry for more than 40 years. Our responsiveness has earned us the reputation as a leader in transportation infrastructure planning, design, program management and construction management. Our insightful approach comes from our talented professionals, who have direct experience in operating transit systems across the country. Our team has the tools to help shape projects from initial planning through final design, system startup and operation.



PLANNING, STUDIES & ANALYSES

STV's transportation and environmental planners understand the intricacies of transportation networks, land-use impacts, station areas and intermodal facilities. Through our planning and programming services, we provide our clients with the groundwork to meet their short- and long-term goals. We evaluate costs and benefits, including capital/operating costs; environmental considerations; economic and financial impacts; vehicle/fleet requirements; and property and asset values. We also perform alternatives analyses and conduct specialized operations analyses and rail simulations.





STATIONS & TERMINALS

Stations, terminals and intermodal transportation centers are in the public eye. These designs must integrate mobility with safety, security, aesthetics and ease of maintenance. STV meets these essential criteria in all our assignments, whether new construction or rehabilitation projects. Our work is sensitive to a station's surroundings while addressing requirements for system operations, intermodal connections, accessibility, passenger pedestrian flow, information systems, and provisions for the elderly and disabled.



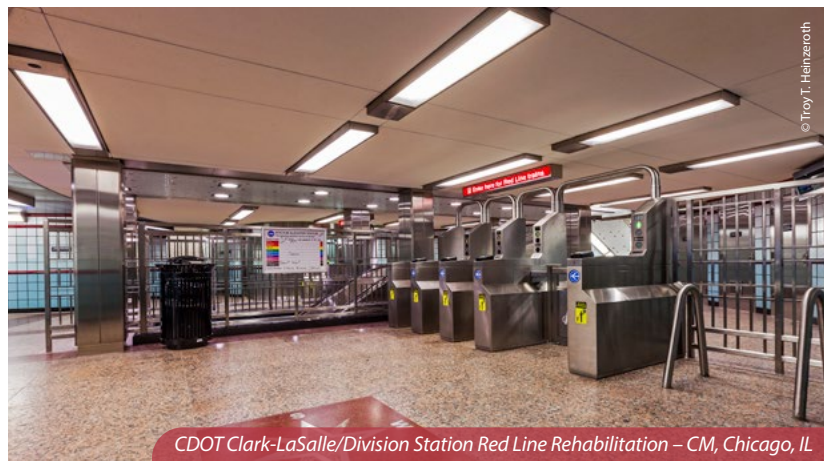
NJ TRANSIT Hoboken Terminal & Yard Complex Rehabilitation & Redevelopment, Hoboken, NJ

© Eduard Hueber, Arch Photo



Santa Clara Valley Transportation Authority Milpitas Station, Milpitas, CA

© Kyle Jeffers



CDOT Clark-LaSalle/Division Station Red Line Rehabilitation – CM, Chicago, IL

© Troy T. Helmsworth



Port Authority of New York and New Jersey World Trade Center Transportation Hub, New York, NY

INFRASTRUCTURE & SYSTEMS ENGINEERING

Understanding how a passenger rail system operates is essential to the effective design and integration of its infrastructure and system elements. Track, structures, vehicles, signals/communications and power systems must all work in concert for a rail transit property to deliver superior service to its customers. Working with each of our clients—and bringing our operations expertise to bear on our designs—we strive to assure that all of the systems that make up the infrastructure of a rail network are fully integrated into a safe, reliable and effective transit system.





Charlotte Area Transit System South Corridor Light Rail, Trackwork and Signals, Charlotte, NC

MAINTENANCE & STORAGE FACILITIES

Our team of professionals had led the way in the design of new and rehabilitated rail storage yards and maintenance facilities for decades. The firm's experience covers shops, repair and support facilities, car washers, and related track and utility systems. Our industrial engineers are skilled in shop layout, operations and specialized equipment specification, providing for optimum productivity, efficiency and ergonomics.



Altamont Commuter Express Equipment Storage & Maintenance Facility, Stockton, CA



Long Island Rail Road Mid-Suffolk Electric Yard, Ronkonkoma, NY



SANDAG South Bay Bus Maintenance Facility Expansion, Chula Vista, CA





Massachusetts Bay Transportation Authority Champion Ferry Vessel, Boston, MA

ROLLING STOCK

STV has a world-renowned team of specialists who concentrate solely on the rehabilitation and procurement of reliable, easily maintained and energy-efficient rolling stock. STV's vehicle group has keen insight into the requirements of maintenance, service and overhaul facilities for all modes of vehicles. Our expertise includes valuations, specification development, bid analysis, inspection services, assurance testing and overall management of the procurement process.



Long Island Rail Road M-9 Rail Cars, Long Island, NY



Metrolink F-125 "Spirit" Low-Emission Locomotives, Los Angeles, CA



© New Jersey Transit / Michael Rosenthal

NJ TRANSIT ALP-45 Dual-Powered Locomotive, New Jersey

COMPREHENSIVE PROJECT DELIVERY

Few firms offer as complete a range of transportation expertise as STV. Our multifaceted capabilities allow us to carry out total project delivery programs that call for the design and construction of entire systems. STV's specialists in operations planning, vehicle technology, design and construction management are all integrated into one cohesive team that is focused on seamless project delivery, including design-build and design-build-operate-maintain. The magnitude of our services enables clients to call on us to undertake all aspects of their program requirements.



MBTA Green Line Light Rail Extension Design-Build, Cambridge, Somerville & Medford, MA



PANYNJ AirTrain JFK Design-Build-Operate-Maintain, Queens, NY



MassDOT Longfellow Bridge Rehabilitation Design-Build, Boston, MA

ARTS DISTRICT

EAST

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