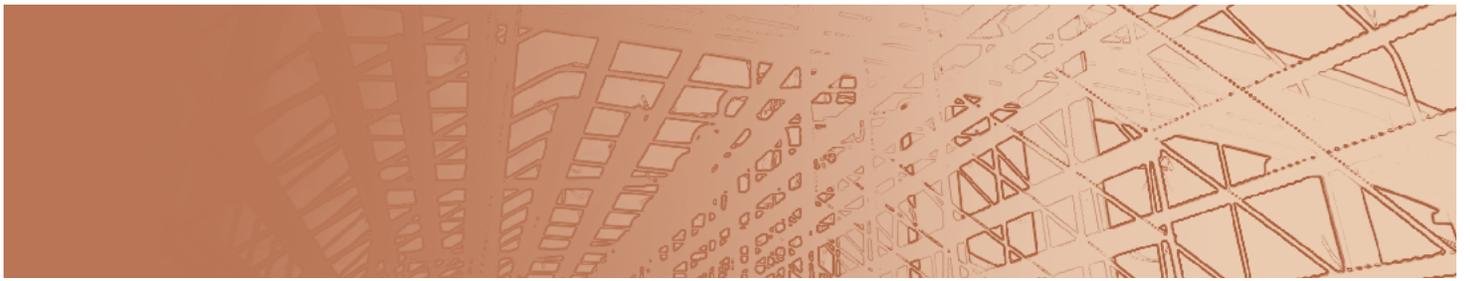


STV. ENDURING. DRIVEN. VISIONARY.

PASSENGER TRANSPORTATION





Whether 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. For more than 40 years, STV has served the passenger transportation industry. 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. We 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, 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.



EAST SIDE ACCESS MAJOR INVESTMENT STUDY
MTA/Long Island Rail Road
New York, NY

Rendering courtesy of MTA Capital Construction



CALIFORNIA HIGH-SPEED RAIL
BURBANK-TO-LOS ANGELES SECTION,
ENVIRONMENTAL IMPACT STATEMENT
California High-Speed Rail Authority
Los Angeles, CA

Photo © Courtesy of NC3D



GLASSBORO-CAMDEN LINE
ENVIRONMENTAL IMPACT
STATEMENT
Delaware River Port Authority
Southern New Jersey

Photo © InterVision New Media / Roger Swingle

STATIONS + TERMINALS

Stations, terminals and intermodal transportation centers are in the public eye. Their design 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 station surroundings while addressing requirements for system operations, intermodal connections, accessibility, passenger pedestrian flow, information systems, and provisions for the elderly and disabled.



WTC TRANSPORTATION HUB
Port Authority of New York & New Jersey
New York, NY

Photo © Chris Cooper



**HOBOKEN TERMINAL AND YARD
COMPLEX REHABILITATION
AND REDEVELOPMENT**

NJ TRANSIT
Hoboken, NJ

Photo © Eduard Hueber, Arch Photo



MILPITAS STATION

Santa Clara Valley Transportation Authority
Milpitas, CA

Photo © Kyle Jeffers

INFRASTRUCTURE + SYSTEMS ENGINEERING

Understanding how a passenger rail system operates is essential in 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 rail property 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.



SOUTH CORRIDOR LIGHT RAIL, TRACKWORK AND SIGNALS

Charlotte Area Transit System
Charlotte, NC



ION LIGHT RAIL SYSTEM

Region of Waterloo
Waterloo, Ontario

Photo © AECOM/Photography by Robb Williamson



**OTTAWA LIGHT RAIL EXPANSION
CONFEDERATION LINE STAGE 1**

City of Ottawa
Ottawa, Ontario

Photo © Paul Couvrette

MAINTENANCE + STORAGE FACILITIES

Our transportation professionals have 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.



CONEY ISLAND YARD FLOOD MITIGATION FEASIBILITY STUDY

New York City Transit
Brooklyn, NY

Photo © Intervention New Media / Roger Swingle



ALTAMONT COMMUTER EXPRESS
EQUIPMENT STORAGE AND
MAINTENANCE FACILITY

San Joaquin Regional Rail Commission
Stockton, CA

Photo © Chip Allen



MID-SUFFOLK ELECTRIC YARD

Long Island Rail Road
Ronkonkoma, NY

Photo © Intervention New Media / Roger Swingle

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.



ALP-45 DUAL-POWER LOCOMOTIVE

NJ TRANSIT
New Jersey

Photo © New Jersey Transit / Michael Rosenthal



M-9 RAIL CARS

Long Island Rail Road
Long Island, NY

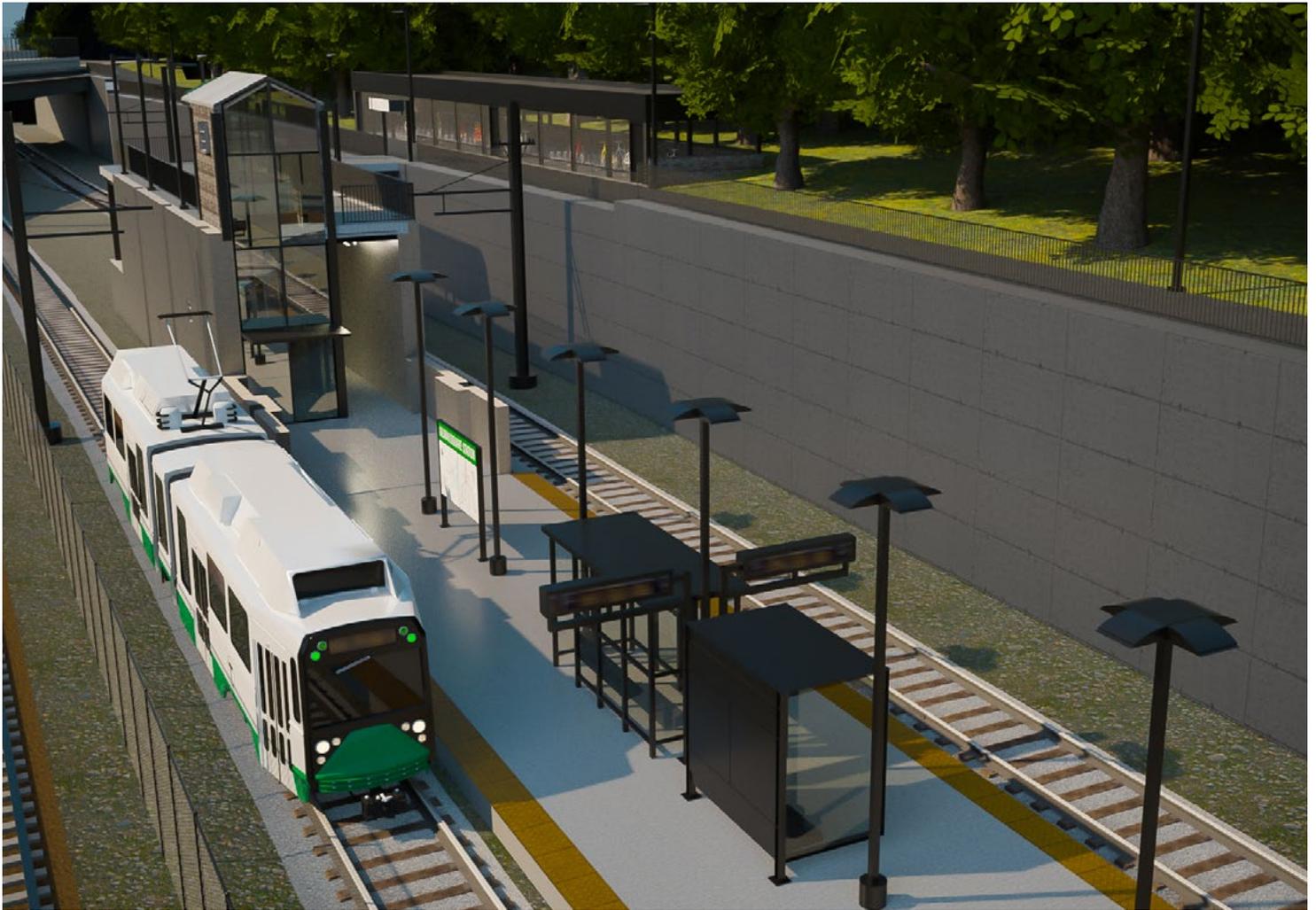
Photo © courtesy of Long Island Rail Road



F-125 "SPIRIT" LOW-EMISSION
LOCOMOTIVES

Metrolink
Los Angeles, CA

Photo © courtesy of Metrolink



GREEN LINE LIGHT RAIL EXTENSION, DESIGN-BUILD

Massachusetts Bay Transportation Authority
Cambridge, Somerville & Medford, MA

Rendering STV

COMPREHENSIVE PROJECT DELIVERY

Few firms offer as complete a range of transportation expertise as STV. Our multifaceted services enable 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.



RICHMOND PULSE BRT
DESIGN-BUILD

Virginia Department of Transportation /
Greater Richmond Transit Company
Richmond, VA

Photo © Jim Tetro



AIRTRAIN JFK
DESIGN-BUILD-OPERATE-MAINTAIN

Port Authority of New York & New Jersey
Queens, NY

Photo © Johansen Krause



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