



Hudson-Bergen Light Rail System; Design-Build Project

New Jersey

KS Engineers, P.C.
Engineers . Surveyors
Construction Managers

New Jersey
New York
Pennsylvania

CORPORATE
HEADQUARTERS:

24 Commerce Street
Newark, NJ 07102
P: (973) 623-2999
F: (973) 242-2955

info@kseng.com
www.kseng.com

PROJECT NAME

Final Design and Construction Support Services for the Hudson-Bergen Light Rail Transit System (HBLRTS), A Design-Build Project.

PROJECT OWNER

NJ Transit Corporation, Newark, New Jersey

SERVICES PROVIDED

- Structural Engineering
- Civil Engineering
- Design of Railroad Station
- Design Retaining Walls
- Design Vehicular & Pedestrian Bridges
- Design of Park and Ride Stations
- Construction Support Services

DATE OF SERVICE

1997 –2002

PROJECT DESCRIPTION

Under subcontract to STV, KS Engineers, P.C. (**KSE**) provided engineering design services for mainline sections of the HBLRTS from 34th Street in Bayonne through Jersey City to the Hoboken Terminal, and the Western Spur of the HBLRTS to West Side Avenue in Jersey City. **KSE** provided complete construction documents for: construction of the station platforms, foundations, canopy supports, and track slabs; construction of three new pedestrian bridges including foundation piers and towers for two five-span structures and one single-span structure; and rehabilitation design of several existing bridges. As necessary, abutments, wingwalls, and utility relocations were addressed in the design work. During construction, **KSE** provided construction support services including review of shop drawings, responding to RFIs, general review of construction, coordination of structural designs with construction activities, design retrofits as necessary, and preparation of as-built plans.

KSE's specific role included:

- Structural design of rehabilitation of 6 bridges
- Structural design of 3 new pedestrian bridges
- Structural design of 17 stations
- Structural design of 2,000 LF of new retaining walls
- Construction support services including shop drawing review and preparation of as-builts.

