

KS Engineers, P.C.



- *Bridge Design*
- *Bridge Inspection*
- *Highway Design*
- *Traffic Engineering*
- *Railroad Engineering*
- *Site/Civil Engineering*
- *Geotechnical Engineering*
- *Construction Management*
- *Construction Inspection*
- *Building Design*
- *Survey Services*



KSE
Transportation

BRIDGE DESIGN & INSPECTION

- Complex Bridges
- Simple Bridges
- Vehicular Bridges
- Railroad Bridges
- Movable Bridges
- Long Span Bridges
- Trestles & Viaducts
- Underwater Inspection
- Condition Inspection
 - Tunnels
 - Underpasses
 - Light / Antenna Towers



Delair Bridge Tie Deck Replacement Design - NJ Transit



Brooklyn Bridge Biennial Inspection - NYSDOT



Lincoln Park Bridges Design
Jersey City, NJ - Hudson County



Undergrade Bridge Inspection - Morristown Line - NJ Transit



Route 18 Extension Section 2A Piscataway - NJDOT (2006 ACECNY Platinum Award Winner)

Route 18 Reconstruction Section 2F, 7E & 11H New Brunswick - NJDOT

CONSTRUCTION SERVICES

- Resident Engineering
- Construction Inspection/Management
- Construction Support Services
- Shop Drawing Review
- Rail & Vehicular Bridges
- Roadways & Highways
- Rail Passenger Facilities
- Intelligent Transportation Systems (ITS)
- Bridge Painting
- Airport /Aviation Facilities
- Environmental Mitigation
- Construction Site Clean-ups



Grand Central Terminal - MTA / Metro North Rail Road



FDR Drive SB Reconstruction Construction Inspection - NYSDOT



Victory Bridge / Route 35
Pre-Cast Segmental Continuous Span Bridge - NJDOT

BUILDINGS

- Rail Passenger and Service Facilities
- Structural Analysis and Design
- Structural Integrity Inspection
- On-and Off-Site Civil Design
- Geotechnical Engineering
- Educational Facilities
- Commercial Structures
- Residential Structures

HIGHWAY DESIGN

- Toll Roads / Controlled Access
- Arterial Highways
- County / Municipal Roadways
- Park and Ride Facilities
- Vertical / Horizontal Alignment
- Drainage Systems Design
- Roadway / Tunnel Lighting
- Context Sensitive Design
- Utility Relocations / New Designs
- Community Outreach / Alternative Studies
- Maintenance & Protection of Traffic (MPT)
- Property Acquisition / Easements
- Geotechnical



Garden State Parkway Interchange 77 - NJTA / Parkway Division



Construction Inspection Services for Route 9A Promenade South - NYSDOT

RAIL & TRANSIT

- Urban Transit
 - Heavy Rail / Subway
 - Light Rail
 - People Movers
- Commuter Rail
- Intercity Rail
- Freight Rail
- Elevated Guideways & Structures
- Yards & Shops
- Bridges, Viaducts, Trestles
- Park & Ride
- Passenger Stations & Facilities



Hudson-Bergen Light Rail System - NJ Transit



Number 7 Line Extension - MTA / NYC Transit



Construction Management for Fulton Street Transit Center - MTA / NYCT



Construction Inspection Services for NJ Turnpike Interchange No.1- NJTA



Ridgewood Railway Station - NJ Transit



Aerial Mapping Control - Port Elizabeth / Port Newark PANY / NJ

SURVEY AND RIGHT-OF-WAY

- Topographic Surveying
- Right-of-Way Mapping
- Easement Mapping
- Property Parcel Maps
- General Property Parcel Maps
- Fathometric Survey/Soundings
- Geographic Information System (GIS)
- Asset Management
- GPS Control



Columbus Circle Subway Station - MTA / NYC Transit

TRAFFIC ENGINEERING

- Traffic Signal Design
- Signage & Striping
- MPT Plans
- Traffic Studies
- Warrant Analysis
- Level of Service Analysis
- Traffic Data Collection



Route 29 Tunnel, Signalized Intersections, Roadway and Lighting Design - NJDOT



Traffic signal Improvements for 10 Intersections - Hudson County NJ

KS Engineers, P.C.

Engineers . Surveyors . Construction Managers
For All Your Engineering Needs



Construction Inspection - Victory Bridge, Route 35 NJDOT



Civil Engineering - Sixteen Stations on White Plains Rd.
Bronx - MTA / NYC Transit



Design - Newark Elizabeth Rail Link - NJ Transit

Our extensive record of accomplishments and our award winning projects has earned **KS Engineers, P.C. (KSE)** a reputation for being a top-ranked, highly regarded, client responsive professional engineering firm. Founded in 1991, we have gained the respect and confidence of our clients by providing technical excellence and quality services throughout New Jersey, New York and Pennsylvania. **KSE** is a certified **MBE/SBE/DBE** with a staff of over 95 full time professionals, including 16 licensed engineers and land surveyors and 45 construction inspection/management personnel. We provide comprehensive civil, structural, survey, geotechnical and traffic engineering design, construction inspection and management, safety and structural integrity inspections of in-service vehicular and railroad bridges, buildings and other infrastructure facilities.

KSE is proud to have worked on key transportation and regionally significant projects for such agencies as **NJDOT, NJ Transit, NJ Turnpike/GSP, PANY/NJ, NYCDOT, NYCDDC, NYSDOT, MTA/NYCT, MTA/B&T, MTA/LIRR, MTA/MNRR, MTA/Capital Construction**, as well as numerous other agencies, counties and municipalities throughout the region.

Front Cover:

Verrazano-Narrows Bridge Biennial Inspection - MTA / B&T
Hudson-Bergen Light Rail System - NJ Transit

Awards & Achievements

Dedicated to quality performance, responsiveness and technical excellence, **KSE** is proud to have been recognized by industry for its contributions to professional engineering and project support.

2006 Route 18 Extension, Section 2A

Owner: New Jersey Department of Transportation
Construction Engineering, Administration and Inspection

- Platinum Award for Engineering Excellence – ACEC NY
- Distinguished Award for Engineering Excellence – ACEC NJ

Grant Avenue Railroad Bridge

Owner: New Jersey Transit Corporation
Rehabilitation Design of Historic Structures

- Silver Award for Engineering Excellence – ACEC NY
- Distinguished Award for Engineering Excellence – ACEC NJ

Bridge Information System (BIS)

Owner: New Jersey Transit Corporation
Database Application for Centralized Tracking for Inventory, Costs, Historic and Inspection of Structures

- Distinguished Award for Engineering Excellence – ACEC NJ

2004 FDR Drive Rehabilitation and Outboard Detour

Owner: New York State Department of Transportation

- Construction Inspection Services
- Project of the Year - Best of '04 Annual Award"
- New York Construction magazine

"Top 50 Construction Management Firms in NJ"

- NJ Biz magazine

American Society of Civil Engineers - North Jersey Branch

- "Engineer of the Year Award", presented to Kamal Shahid, President of **KS Engineers, P.C.**

2003 "Top 50 Construction Management Firms in NJ"

- NJ Biz magazine

2001 American Society of Civil Engineers - North Jersey Section

- "Civil Engineer of the Year Award", presented to Kamal Shahid, President of **KS Engineers, P.C.**

2000 Hudson-Bergen Light Rail Transit System

Owner: New Jersey Transit Corporation

- Structural Engineering Services
- "Transit Project of the Year - Best of 2000 Annual Award"
- New York Construction News magazine

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