

KS Engineers, P.C.



- *Complex Bridges*
 - *Simple Bridges*
 - *Vehicular Bridges*
 - *Railroad Bridges*
 - *Movable Bridges*
 - *Long Span Bridges*
 - *Trestles & Viaducts*
 - *Bridge Management System*
 - *Condition Inspection*
 - *Underwater Inspection*
 - *Fathometric Survey*



KSE
Bridge

KSE

KS Engineers, P.C.



*Tappan Zee Bridge / I-287
Corridor Alternatives Analysis / EIS - NYS Thruway*



*Verrazano-Narrows Bridge Biennial Inspection, Inventory and
Load Rating Including Towers, Deck & Lower Roadway - MTA/B&T*



*Construction Inspection Services for the Victory Bridge / Route 35
Replacement over the Raritan River - NJDOT*

Design

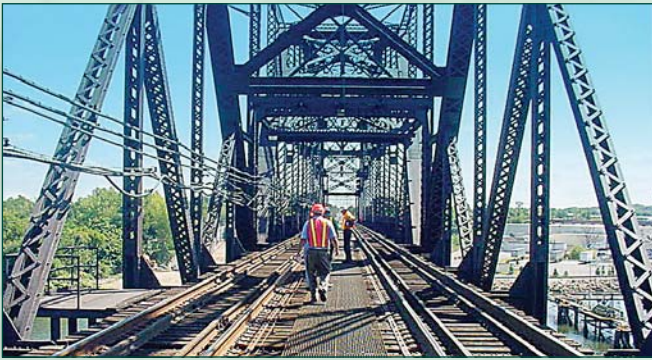
From concept development to final design, *KSE* provides the background, skill and experience necessary to provide our clients with performance-based achievements and an established reputation for quality and innovation in bridge engineering and design. Our structural engineers, combined with our traffic and survey staff, provide extensive capabilities in the rehabilitation of existing structures and in the aesthetic design and construction of new and replacement steel, concrete and timber structures including pre-stressed, post-tensioned and curved girder bridges. *KSE* works closely with all agencies, owners and community groups to ensure the successful completion of assignments, while working in concert with all members of the project team. Our corporate philosophy is based on a total commitment to quality and teamwork to get the project right the first time, every time.



*Biennial Inspection & Condition Survey of George Washington Bridge
Main Span and NY Approach Spans - PANY/NJ*

Construction

KSE is a leader in providing full service construction supervision, inspection and construction management services on all types of structures for highway, rail and water crossings. We have provided these services on projects key to the regions transportation infrastructure, while adhering to the principles of constructability and value engineering. As an example of our innovation, *KSE* was the prime consultant for construction inspection on the very first long-span precast concrete segmental box girder bridge (Rt. 35 / Victory Bridge) in New Jersey. Additionally, whether your requirements call for resident engineering, office engineers or inspectors for rehabilitation, replacement, reconstruction, demolition, maintenance painting or new facilities construction, *KSE* is ready to fulfill all of your bridge construction requirements.



*Tie Deck Replacement Design
Atlantic City Line's Delaire Bridge Over Delaware River- NJ Transit*



*Structural Inspection & Design of Delaware River Bridge
Deck Reconstruction - NJ Turnpike*



Rendering of Stephensburg Road Bridge Design - Morris County



*Indepth Inspection and Load Rating of 59
Undergrade Bridges - NJ Transit*

Inspection

While our infrastructure matures at a rapid pace, many of our rural and urban bridges, viaducts and culverts are in need of significant repair, rehabilitation or replacement. *KSE* is performing much needed condition surveys, NBIS, biennial and structural integrity inspections, load ratings, fatigue analyses, scour analyses of over water structures, and has developed computerized bridge information systems to extend the life of these valuable assets. Our services have ranged from the provision of team leaders and full inspection teams through complete project management, on both minor and major bridges, viaducts, elevated structures and culverts. We have strong credentials as prime, and can also add value to your team on your next assignment.



*Underwater Inspection of over 150 Structures in
Regions 1, 2, 7, 8, & 9 - NYSDOT*



NBIS Inspection of 85 Bridges MP 94.8 to 168 - NJTA /GSP DIV



*Construction Inspection for the FDR Drive Southbound Roadway Reconstruction and
Outboard Roadway Reconstruction - NYSDOT*



*Prime Construction Engineering Consultant for New Route 9 Southbound
Bridge Over Raritan River - NJDOT*

KS Engineers, P.C.

Engineers . Surveyors . Construction Managers

For All Your Engineering Needs



Construction Inspection for the Replacement of the Third Avenue Swing Bridge Over the Harlem River - NYCDOT



Design & Construction Inspection of Three Lincoln Park Bridges Hudson County



Inspection, Load Rating and Design of Port Jervis Line Undergrade Bridges - MTA / MNRR

About Us

Our extensive record of accomplishments and our award winning projects have 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 proud to have worked on local and regionally significant projects for such agencies as NJDOT, NJ Transit, NJ Turnpike/GSP, PANY/NJ, NYCDOT, NYSDOT, MTA/NYCT, MTA/LIRR, MTA/MNRR, MTA/B&T, MTA/CCC, as well as numerous counties, private clients, contractors, and developers throughout the region. **KSE** is a certified **MBE/SBE/DBE**.

Agencies / Owners

Amtrak
Bergen County
City of Newark
Delaware River Port Authority
Essex County
Hudson County
Kean University
Maryland Transit Administration
Middlesex County
MTA - Bridges and Tunnels
MTA - Capital Construction Corporation
MTA - Long Island Rail Road
MTA - Metro North Rail Road
MTA - New York City Transit
Morris County
New Jersey Department of Transportation
New Jersey Transit Corporation
New Jersey Turnpike Authority
New Jersey Turnpike Authority - Parkway Division
New York City - Department of Environmental Protection
New York City - Department of Transportation
New York City - Division of Design and Construction
New York State - Department of Transportation
New York State Thruway Authority
Port Authority of New York & New Jersey
Palisades Interstate Parkway
Passaic County

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Front Cover:

Brooklyn Bridge Biennial Inspection - NYSDOT
NJ Turnpike Main Bridge Inspection Program, Part B - NJTA

KSE
New Jersey
New York
Pennsylvania