

# *Design/Build*

## **KS Engineers, P.C.**

- Highway/Roadway Design
  - Bridge Design
  - Building Design
  - Structural Condition Assessment
  - General Site/Civil Engineering
  - Landscape Architecture
  - Contractor Design Services
  - Retaining Walls Design
  - Sound Barriers Design
  - ADA Ramps
  - Traffic Control Plans
  - Parking Lot Design
  - Right of Way Plans
  - Utilities Engineering
  - Roadway Lighting Design
  - Geotechnical Engineering
  - Value Engineering
  - Permitting



**KSE**



*Design/Build* gives today's clients a seamless cost effective functional product from one accountable source. To become a successful partner in any design/build project, the designer must understand that, instead of projects budget being the result or afterthought of the project's design, with the design/build process the design is derived as a result of the budget. Since our inception in 1991, KSE has been part of many successful public sector design/build projects. KSE's work begins on a design/build project before the final contract is executed. Critical items such as permits are identified and wheels are put in to motion to secure them as early as possible. Our goal in the design / build process is to reduce construction cost and be responsive to demanding field schedule. Our engineering team responds quickly to any changes due to varied field conditions. Our design process entails the development of optimal and most economical construction methods, materials studies and related activities. We work closely with the contractor, owner agency, and community groups to ensure that specific programmatic requirements are complimented by innovative, efficient and cost effective designs.

*Design/Build*  
 Trans-Hudson Express (THE) Tunnel, NJ/NY  
 Owner: NJ Transit Corporation  
 Construction Engineering



*Design/Build*  
 Southern NJ Light Rail System, Camden, NJ  
 Owner: NJ Transit Corporation  
 Civil and Structural Engineering



*Design/Bid/Build*  
 Morrisville Train Storage Yard (Phase 2), Morrisville, PA  
 Owner: NJ Transit Corporation  
 Site / Civil and Geotechnical Engineering

*Design/Build*  
 I-95 Providence Viaduct, Providence, Rhode Island  
 Owner: Rhode Island Department of Transportation  
 Engineering Support for Construction Sequence



*Design/Build*  
 PATH World Trade Center Transportation Hub  
 Owner: Port Authority of NY & NJ  
 Structural Engineering during Construction



*Design/Build*  
 New Route 9 Bridge over Raritan River, Edison, NJ  
 Owner: NJ Dept. of Transportation  
 Construction Engineering



*Design/Build*  
 New Route 35 (Victory Bridge) over Raritan River, Rahway, NJ  
 Owner: NJ Dept. of Transportation  
 Construction Supervision



*Design/Build*  
 Irish Creek Road Bridge, Centerport, PA  
 Owner: Pennsylvania Dept. of Transportation  
 Superstructure Replacement and Roadway Design  
 Traffic Control, Right-of-Way and Permitting



*Design/Bid/Build*  
 The Philadelphia Navy Yard Infrastructure Improvements, Philadelphia, PA  
 Owner: Philadelphia Industrial Development Corporation  
 Civil Engineering, Landscape Architecture, Construction Inspection, and Owner's Representative Services



*Design/Build*  
 Renovation of Robert Wood Johnson Medical School  
 New Brunswick, NJ  
 Owner: University of Medicine and Dentistry of NJ  
 Structural Engineering

*Design/Build*  
 Port Imperial Station Pedestrian Bridge,  
 Weehawken, NJ  
 Owner: NJ Transit Corporation  
 Structural Engineering



*Design/Build*  
 Hightstown Bypass, NJ  
 Owner: NJ Dept. of Transportation  
 Construction Engineering & Design Approval\*



*Design/Bid/Build*  
 Sidewalk & ADA Ramps, NY City  
 Owner: NYC Dept. of Design & Construction  
 Construction Engineering

\* Individual experience of group leader



*Design/Bid/Build*

Reconstruction of 10th Avenue, New York, NY  
 Owner : NYC Department of Design and Construction  
 Construction Engineering

Recipient of

- 2009 ACEC NY Gold Award
- 2009 ACEC NJ Distinguished Award



*Design/Bid/Build*

Prudential Center Arena, Newark, NJ  
 Owner: New Jersey Devils  
 Foundation Design, Structural Field Representative

Recipient of :

- 2008 Project of the Year, Design/Build Institute of America (DBIA)
- 2008 Project of the Year, NY Construction News



*Design/Bid/Build*

Reconstruction of Three Bridges at Lincoln Park, Jersey City, NJ  
 Owner : Hudson County, NJ  
 Civil & Structural Engineering, Survey & Mapping,  
 Landscape Architecture, Construction Management

Recipient of :

- 2008 ACEC NY Platinum Award
- 2008 ACEC NJ Distinguished Award

**Agencies / Owners**

- Amtrak
- Bergen County, NJ
- City of Bayonne, NJ
- City of Newark, NJ
- City Of Philadelphia, PA
- Delaware River Joint Toll Bridge Commission, NJ / PA
- Delaware River Port Authority, NJ / PA
- Dutchess County, NY
- Essex County, NJ
- Hudson County, NJ
- Kean University, NJ
- Maine Department of Transportation
- Maryland Transit Administration
- Middlesex County, NJ
- MTA Bridges and Tunnels, NY
- MTA Capital Constructions, NY
- MTA Long Island Rail Roads, NY
- MTA Metro North Rail Roads, NY
- MTA New York City Transits, NY
- Monmouth County, NJ
- Morris County, NJ
- New Jersey Department of Transportation
- New Jersey Transit Corporation
- New Jersey Turnpike Authority
- New York City Department of Design & Construction
- New York City Department of Environmental Protection
- New York City Department of Transportation
- New York State Department of Transportation
- New York State Thruway Authority
- Palisades Interstate Park Commission
- Pennsylvania Department of Transportation
- Philadelphia Industrial Development Corporation
- Port Authority of New York & New Jersey
- Rhode Island Department of Transportation

**Corporate Headquarters**

**KS Engineers, P.C.**  
 494 Broad Street, 4<sup>th</sup> Floor  
 Newark, NJ 07102  
 T: 973 . 623 . 2999  
 F: 973 . 242 . 2955  
[www.kseng.com](http://www.kseng.com)

**Philadelphia, PA**  
 35 South 3<sup>rd</sup> Street  
 Philadelphia, PA 19106  
 T: 215.925.0425  
 F: 215.925.0430

**New York City, NY**  
 65 Broadway, Suite 401  
 New York, NY 10006  
 T: 212.616.2657  
 F: 212.616.3060

**Utica, NY**  
 100 Lomond Court  
 Utica, NY 13502  
 T: 315.507.4220  
 F: 315.507.4219

**Front Cover:**

*Design/Build* – Hudson Bergen Light Rail System, NJ  
 Owner: NJ Transit Corporation  
 Site/Civil & Structural Engineering & Survey & ROW Mapping

Recipient of:

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

*Design/Build* – Route 29 Tunnel, Trenton, NJ  
 Owner: NJ Department of Transportation  
 Lighting Design, Roadway and Traffic Signals Design

*Design/Bid/Build*– Newark Light Rail System, Newark, NJ  
 Owner: NJ Transit Corporation

Structural Engineering

Recipient of:

- 2007 ACEC NY Platinum Award
- 2007 ACEC NJ Distinguished Award

