

KS Engineers, P.C.

Engineers . Surveyors . Construction Managers
For All Your Engineering Needs



Route 9A Promenade - Construction Inspection
New York City



Delaware River Turnpike Bridge Rehabilitation Design,
NJ-PA



Bartram High School - Demolition & Roof Upgrade
Philadelphia, PA

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 regionally-significant projects for agencies such as NJDOT, NJ Transit, NJ Turnpike Authority, PANYNJ, NJSCC, NYCDOT, NYSDOT, MTA NYCT, MTA LIRR, MTA MNRR, as well as numerous private clients, contractors, and developers throughout the region.

Front Cover:

"Call-In" Services for Program Management during 2004, 2005, 2006 - Port Authority of NY & NJ
Microsoft High School Feasibility Study - Philadelphia, PA

KSE Surveying Clients

- Bergen County, NJ
- Brinkerhoff Environmental Services, Inc.
- CB Richard Ellis
- City of Jersey City, NJ
- City of Newark, NJ
- DMJM Harris
- Daniel Frankfurt, P.C.
- Dewberry
- Earth Tech
- Fay, Spofford & Thorndike, Inc.
- Gannett Fleming, Inc.
- Gussack Realty
- HACBM Architects
- Hatch Mott MacDonald
- HNTB Corporation
- Hudson County, NJ
- Jacobs Engineering Group
- Kean University
- Lincoln Property Company
- Louis Berger Group
- Madison Borough Board of Education
- Middlesex County, NJ
- Morris County, NJ
- MTA NYC Transit
- NJ Transit
- NJ Turnpike Authority
- NJDOT
- NYCDDC
- NYCDOT
- NYSDOT
- Parsons Brinckerhoff
- Parsons Transportation Group
- Pike Construction Company
- Port Authority of New York & New Jersey
- Robinson Aerial Surveys, Inc.
- STV, Inc.
- T&M Associates
- The RBA Group
- Tony Gomes Construction Co.
- URS Corporation

Recent Awards & Achievements

Dedicated to quality performance, responsiveness, and technical excellence, *KSE* is proud to have been recognized by our industry peers for our contributions to professional engineering and land surveying.

Route 18 Extension, Section 2A, Piscataway, NJ

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

- 2006 Platinum Award for Engineering Excellence - ACEC NY
- 2006 Distinguished Award for Engineering Excellence - ACEC NJ

Grant Avenue Railroad Bridge, Plainfield, NJ

Owner: New Jersey Transit Corporation
Rehabilitation Design of Historic Structures

- 2006 Silver Award for Engineering Excellence - ACEC NY
- 2006 Distinguished Award for Engineering Excellence - ACEC NJ

Bridge Information System (BIS) - Statewide, NJ

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

- 2006 Distinguished Award for Engineering Excellence - ACEC NJ

Corporate Headquarters

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KSE
New Jersey
New York
Pennsylvania

KS Engineers, P.C.



- Precise Structural Deformation Surveying
- Boundary Surveying
- Topographic Surveying
- Right-of-Way Mapping
- GPS Static Services
- GPS RTK Services
- GIS Mapping Services
- Construction Layout
- Site Surveying

KSE
Land Surveying

KSE Surveying Services



CONSTRUCTION LAYOUT

- Residential and Commercial
- Utility Stakeout
- Steel Construction Layouts

Representative Projects

- Curb and Utility Stakeout, Bridgewater, NJ
- Deerfield School, NJ
- Verrazano-Narrows Bridge Brooklyn Approach, NY

GPS STATIC SERVICES

- First-Order Control Networks
- Photogrammetric Control Survey
- Dam Deformation

Representative Projects

- Wilson Avenue Reconstruction, Newark, NJ
- Board of Education, Madison, NJ
- Route 36 at Flat Creek, Monmouth County, NJ
- NYSDOT Term Agreement for Surveying Services (TASS), NY



GPS REAL-TIME KINEMATIC SERVICES

- Topographic and GIS Features
- Real-Time Survey for Layout
- Utility Location and Layout
- Aerial Mapping Ground Control

Representative Projects

- NYSDOT Term Agreement for Surveying Services (TASS), NY
- NJ Transit, Ridgewood Railway Station, Ridgewood, NJ
- PANYNJ, Port Elizabeth, Elizabeth, NJ
- PANYNJ, Newark Airport, Newark, NJ



SITE SURVEYING

- Topographic Mapping
- Precise Leveling Network
- Utility Surveys
- ALTA/ACSM Surveys
- Boundary Dispute Surveys
- Hydrographic Surveys

Representative Projects

- Numerous ALTA/ACSM Surveys, NJ
- New NYCT Revenue Facility, NYC, NY
- Mildred Helms Park, Newark, NJ
- Columbus Circle Station, Architectural Survey of IND & BMT Station including street above, NYC, NY

KSE Surveying Technology

Our state-of-the-art equipment inventory includes:

- Leica Series System 500 GPS receivers – with base station antennae and real-time kinematic capabilities
- Nikon DTM 550 Total Station – 1-second, double-axis, compensating, with data collection
- Nikon DTM 450 Total Station – double-axis, compensating, with data collection
- Leica NA2 – high-precision levels with optical micrometer
- Leica TPS 1101 – 1.5-second, double-axis, compensating, extended-range, reflectorless total stations with on-board data collection



TOPOGRAPHIC SURVEYING

- Cross Sections, Contours, Volumes
- Electronic Data Collection
- Reflectorless Location Technology
- Digital Terrain Modeling

Representative Projects

- Bloomfield Avenue Bridge over NJ Transit, Essex County, NJ
- Sloop Channel Bridge, Nassau County, NY
- Kean University, Union, NJ
- Abraham Lincoln Elementary School, Elizabeth, NJ

RIGHT-OF-WAY MAPPING

- Deeds and Records/Title Documents
- Metes and Bounds Descriptions
- General Property Parcel Maps
- Individual Parcel Maps
- Entire Tract Maps

Representative Projects

- Hudson-Bergen Light Rail Transit, NJ
- Newark City Subway Extension, NJ
- Roslyn Viaduct, Roslyn, NY
- Applegarth Road, Monroe, NJ



PRECISE STRUCTURAL DEFORMATION SURVEYING

- Dam Deformation
- Building Deformation
- Bridge Deformation
- Steel Structures
- Settlement Monitoring

Representative Projects

- Delair Bridge Tie Deck Replacement, Delaware River, NJ-PA
- Route 21 Bridge Monitoring, Newark, NJ
- Wall Monitoring at Sam's Club Site, NJ
- Pier 39 Seawall, Brooklyn, NY

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