



IH Engineers, P.C.

IH Engineers provides expert professional engineering services to state, regional, county, municipal agencies, and authorities, leading consultants, and private developers.



Since 1999, public agencies, consultants, and private developers have partnered with IH Engineers, knowing the Firm's diligence is their assurance of outstanding quality, technical excellence, competitive cost, and on-time performance.

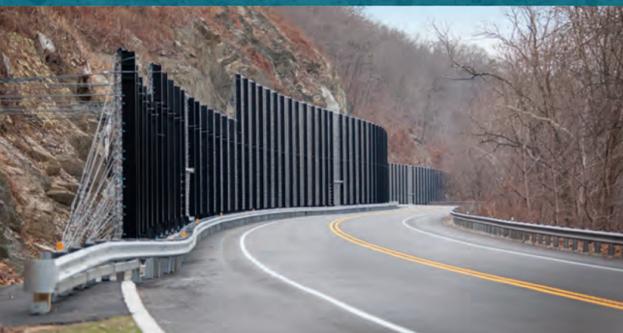
Our range of services is comprehensive, always with a depth of expertise that is both dependable and reassuring.

While every project's nature and scope is different, the Firm's objective is always the same – to be the first choice of our clients, working in partnership for the best possible solutions.



IH ENGINEERS: The highest caliber of professional engineering design, development, management, construction, and inspection.

ENGINEERING DESIGN PROJECTS



NJDOT Route 46 Rockfall Mitigation

IH Engineers was prime consultant, providing civil and structural design services for the preliminary and final designs to mitigate rocks falling onto westbound Route 46 in Warren County, NJ.



NJDOT Route 4 over Flat Rock Brook

IH Engineers provided civil and structural design services and construction support services as prime consultant for the design of a new superstructure on a five-lane freeway in Englewood, NJ, using accelerated bridge construction.



NYS DOT Replacement of Route 25 Bridge over the Long Island Railroad

IH Engineers provided civil engineering design services on this Suffolk County, NY, project that required extensive approach work so that the roadway could remain open during construction.



DRJTBC I-95 Scudder Falls Delaware River Bridge Replacement

IH Engineers designed two curved girder ramp bridges, 12,000 linear feet of noise walls, 3,000 linear feet of retaining walls and a 1,625 foot long ADA-compliant ramp.



Cape May County, Bayshore Road Reconstruction

IH Engineers provided civil engineering design services as prime consultant on this project in Cape May, NJ, that included pavement resurfacing/reconstruction, roadway widening and realignment, regrading, cross slope, curb/gutter upgrades and evaluation for ADA compliance and bicycle compatibility throughout the two-mile corridor.

STRUCTURAL EVALUATION PROJECTS

NJ Transit Undergrade Inspection of 49 Bridges

IH Engineers provided structural evaluation services on NJ Transit's Morristown and North Jersey Coast lines. Services included load rating computations, emergency/priority condition repair schemes, underwater inspection, and preparation of inspection reports.

DRPA Commodore Barry Bridge Inspections

IH Engineers provided inspection and load rating services including field inspection and submission of evaluation reports in accordance with NBIS, NJDOT and PennDOT standards. Services included inspection of the top of the deck, the Pennsylvania side deck truss and stringer spans, four New Jersey stringer spans, four gantries and all substructure units supporting the aforementioned spans. IH has performed these biennial inspections since 2008.



PennDOT Sign Structure Safety Inspections

IH Engineers performed initial, routine, and in-depth inspections of 109 overhead and cantilever sign structures over a three year period.

NJDOT Inspection of 39 NJ State Bridges

IH Engineers provided structural evaluation services on 39 bridges carrying major interstate/state highways over major roadways, railways and waterways, including bridges with fracture-critical member and fatigue-prone details. Services included field inspections, federal SI&A sheet updates, load rating computations, and preparation of inspection reports.



NYC Transit #7 Subway Line Extensions

IH Engineers provided civil, structural, mechanical, and electrical design services for this subway extension project that included two 7,100' railways, an intermediate station, and a terminal station on 11th Avenue at West 34th Street.



NYS DOT Major Deegan Expressway Viaduct Rehabilitation

IH Engineers provided civil and structural design services and construction support on this Bronx, NY, project that included replacement of the one-mile-long viaduct deck, parapets and sign structures, structural repairs, and modifications to the drainage system.

NJ Turnpike Widening, Exit 8

IH Engineers provided civil and structural design services for the design of two bridges at Interchange 8 and the reconfiguration of the interchange toll plaza in East Windsor, NJ. IH designed 23 sign support structures, 24 retaining walls, interchange signing and striping for 1.5 miles, plus signing and striping layout of the new toll plaza facility.

Mercer County, Rosedale Road Bridge over Stony Brook

IH Engineers provided civil and structural engineering design services as prime consultant for the design and replacement of an existing stone-faced arch bridge with a single span 70' long pre-stressed concrete structure in Princeton, NJ.

NJ Transit Access to the Region's Core (ARC) project

IH Engineers provided civil and structural engineering design services for the project, including a new two-span bridge carrying the existing four-lane divided roadway over the railroad tracks passing underneath US Routes 1 & 9 (Tonelle Avenue).

NYS Thruway Authority, Tappan Zee Hudson River Crossing

IH Engineers provided structural engineering design, CADD support services, and responded to requests for information during construction. IH designed 26 sign support structures (overhead and cantilever), 16 utility support poles, and other utility supports on the mainline bridges and both approach roadways.

CONSTRUCTION INSPECTION/CONSTRUCTION MANAGEMENT PROJECTS



NJDOT Replacement of Route 18 Bridge over U.S. Route 1

IH Engineers was the prime consultant for construction inspection and scheduling services on this award-winning \$30 million project in New Brunswick. Staging was a key factor due to its proximity to NJ Turnpike Interchange 9 and Rutgers University.



NYS DOT Route 9A North & South Promenade, Manhattan

IH Engineers provided construction inspection and office engineering services on these two fast-tracked highway projects totaling \$140 million, which included reconstruction of Route 9A, Battery Place, West Street, and Battery Place Underpass, all subject to many post-9/11 environmental considerations.



NJ DOT Route 35 Superstorm Sandy Restoration

IH Engineers performed construction inspection services as the prime consultant on this \$133M project to provide full roadway reconstruction after Superstorm Sandy left the roadway infrastructure severely damaged.



MTA Fulton Street Transit Center, Manhattan

IH Engineers provided construction management services for the \$1.4 billion Fulton Street Transit Center, which included station rehabilitations, new underground passageways, and an above-ground station entrance building above several existing stations.

PANY-NJ Expert Professional Construction Management Services

Since 2010, IH Engineers has provided civil, structural, mechanical and electrical inspection services as a prime consultant to Port Authority of NY & NJ facilities, on an as-needed basis.



NJDOT I-295 Direct Connection

IH Engineers is the prime consultant for construction inspection and scheduling services on this \$192 million project to complete the I-295 mainline direct connection, Browning Road and Ramp A. The contract also includes relocation of 12 housing units within the historic Bellmawr Park.

NJDOT Route 35 Cheesequake Creek Movable Bridge

IH Engineers provided construction inspection and scheduling services as a prime consultant for this \$30 million rehabilitation of a 70-year-old movable bridge in Morgan, NJ.

IH Engineers provides outstanding expertise and comprehensive service in these specialized areas of concentration.

STRUCTURAL ENGINEERING

- Design of Bridges and Culverts
- Design of Rehabilitation Details
- Design of Retaining and Noise Walls
- Design of Sign Structures
- Design of Underground Structures
- Design of Building Structures
- Design of Temporary Structures
- Design of Emergency Repairs

CIVIL/HIGHWAY ENGINEERING

- Roadway Improvements
- Geometric Design
- ADA Compliant Design
- Utility Coordination/Design
- Site Development
- Stormwater Management
- Environmental Permitting
- Grading & Drainage Improvements
- Hydraulics & Hydrology

TRAFFIC ENGINEERING

- Capacity Analyses & Impact Studies
- Traffic Signal Warrants and Design
- Signal Timing Improvements
- Maintenance and Protection of Traffic
- Traffic Calming
- Queue & Accident Analyses
- Traffic Simulation
- Signing & Striping Design
- Parking Analysis & Facilities
- Traffic Data Collection

STRUCTURAL EVALUATION

- Condition Inspection of all types of bridges, culverts, and sign structures including roadway, railway, and movable structures
- Load Ratings
- Priority Repair Details

CONSTRUCTION SERVICES

- Construction Inspection
- Construction Management
- Constructability Review
- Construction Scheduling
- Document Control
- Cost Estimating
- Claims Analysis & Avoidance
- Value Engineering

AWARD WINNING PROJECTS



Deck Replacement of Collings Avenue over Route I-676, City of Camden, NJ

Prime Consultant, Structural Design, Civil Design, Construction Support

Award by:
NJ Alliance for Action

NJDOT Route 46 Rockfall Protection Fence, Knowlton Twp., Warren County, NJ

Prime Consultant, Preliminary and Final Design, Construction Support for Rockfall Mitigation

Award by:
American Council of Engineering Companies of New Jersey



Route 4 over Flat Rock Brook, City of Englewood, NJ

Prime Consultant, Structural Design, Civil Design, Construction Support

Awards by:
American Council of Engineering Companies of New York
American Council of Engineering Companies of New Jersey
New Jersey Aggregate and Concrete Association
NJ Alliance for Action

Route 9A, South Promenade, Manhattan, NY

Construction Inspection Services

Award by:
New York Construction Magazine



Quaker Road over Stony Brook, Municipality of Princeton, NJ

Prime Consultant, Structural Design, Civil Design, Construction Support

Award by:
NJ Alliance for Action

Rosedale Road over Stony Brook, Municipality of Princeton, NJ

Prime Consultant, Structural Design, Civil Design, Construction Support

Awards by:
American Society of Highway Engineers, South/North/Central NJ
Historical Society of Princeton
American Council of Engineering Companies
Prestressed Concrete Institute
New Jersey Aggregate and Concrete Association
New Jersey Chapter of the American Concrete Institute



Newark Light Rail Extension, Newark, NJ

Construction Management Services

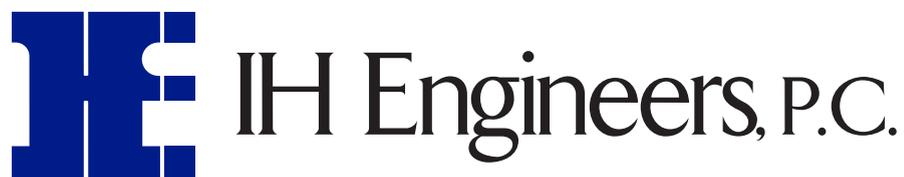
Award by:
American Council of Engineering Companies



Route 18 Bridge over Route 1, New Brunswick, NJ

Construction Inspection Services

Awards by:
American Society of Highway Engineers, South/North/Central NJ
Engineering News Record New York
NJ Alliance for Action



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