

BOARD AND COMMISSION APPLICATION FORM

NAME Jonathan Kapust
ADDRESS [redacted], Brookline MA, 02446
HOME PHONE# [redacted]
WORK PHONE# [redacted]
E-MAIL ADDRESS [redacted]

APPLICATION FOR SPECIFIC BOARD/COMMISSION Transportation

YOUR RELEVANT AREAS OF INTEREST Bicycle & Pedestrian Accomodation, Accessibility, long & short range planning, transit routes, safe paths to school, cut thru traffic

WHAT TYPE OF EXPERIENCE YOU CAN OFFER TO THIS BOARD/COMMISSION? I have over 11 years of experience as a highway and traffic engineer & project manager, designing projects in MA such as the Casey Arborway Project in JP.

WHAT TYPE OF ISSUES WOULD YOU LIKE TO SEE THIS BOARD/COMMISSION ADDRESS? I think right sizing proposed developments' parking, as well modernizing the town's intersections & bike & ped infreastructure are very important

HAVE YOU ATTENDED ANY BOARD/COMMISSION MEETINGS: Yes Board of Selectmen & the Building Commission

ARE YOU INVOLVED IN ANY OTHER TOWN ACTIVITIES? No.

DO YOU HAVE TIME CONSTRAINTS THAT WOULD LIMIT YOUR ABILITY TO ATTEND ONE TO TWO MEETINGS A MONTH? No.

PLEASE ATTACH A COPY OF YOUR RESUME AND RETURN TO THE SELECTMEN'S OFFICE, 333 WASHINGTON STREET, BROOKLINE, MA 02445 NO LATER THAN AUGUST 31ST.

Stephanie Orsini

From: Jonathan Kapust [REDACTED] >
Sent: Wednesday, August 10, 2016 8:02 AM
To: Stephanie Orsini
Subject: Brookline Transportation Board Application - Jonathan Kapust
Attachments: jkapust-Board_Commission_App_Transport-2016.pdf; Kapust - MASTER 2016 (Updated Jan 2016).pdf

Hi Stephanie,

Please find attached, for the Selectmen's consideration, my application and resume for the opening on the Town's Transportation Board. I am very excited for this opportunity, as roadway planning and design is not only my job, but a passion of mine. I have worked on numerous projects within the Boston metropolitan area, most notably the Casey Arborway Project, in Jamaica Plain, which will add 3 miles of new bike path and connect a missing link to the emerald necklace. I believe that is every civil engineer's obligation to provide a safe and livable environment for the public, and if I were to be a part of this Transportation Board, I can further those goals.

Please respond and let me know that this has been received. If you have any questions, please contact me at 617-784-9228.

Best regards,
Jonathan Kapust

Jonathan Kapust, P.E.

Project Manager
Civil/ Highways

[REDACTED] Direct ([REDACTED]) Cell ([REDACTED])
Email [REDACTED]

This e-mail and any files transmitted with it are confidential and are intended solely for the use of the individual or entity to whom they are addressed. If you are NOT the intended recipient and receive this communication, please delete this message and any attachments. Thank you.

JONATHAN KAPUST, PE

Project Manager I

Jonathan is a project engineer & manger with 11 years of experience in various roadway projects in Massachusetts and New Jersey. He performs highway and traffic engineering duties for various state department agencies, including the Massachusetts Department of Transportation (MassDOT). He has also completed designs for the New Jersey Department of Transportation, New Jersey Turnpike Authority, and multiple New Jersey counties and university engineering departments. Jonathan's project experience includes:

Massachusetts Department of Transportation (MassDOT), Casey Arborway (Route 203) Planning Study and Multimodal Design, Accelerated Bridge Program (ABP), Jamaica Plain, MA

Lead civil engineer and deputy project manager for the 25-percent, final design and construction phase services to develop an at-grade alternative for removal of the Casey Overpass in the Jamaica Plain neighborhood of Boston for MassDOT. This design will improve and enhance the surface street network along the Casey Arborway by removing the existing overpass and relocating regional traffic at-grade; accommodating an increased need for transit at the Forest Hills Station, including pedestrian and bicycle circulation and connections; improve wayfinding signage and striping; and restore the historic Olmsted landscape reconnecting the Emerald Necklace. Jonathan was responsible for all major highway design items, including horizontal and vertical design, grading, traffic signing and striping, specifications, and construction estimating, as well coordination between disciplines, agencies and MassDOT. For construction phase services, Jonathan was responsible for coordinating review of contractor shop drawings, requests for information, and inter-agency review of design, along with furnishing field advice to the contractor.

Design Services Start - End Date: 03/2012-Present

Construction Completion date: 12/1/2017 (estimated)

Massachusetts Department of Transportation (MassDOT), West Dudley Road Bridge Replacement, Accelerated Bridge Program (ABP), Dudley, MA

Project engineer for this bridge reconstruction project under MassDOT's Accelerated Bridge Program, which included approach roadway improvements. The project included the full replacement of the existing closed bridge.

Design Services Start - End Date: March 2011- September 2011

Construction Completion Date (if applicable): 2015

Massachusetts Department of Transportation (MassDOT), Open Road Tolling Feasibility Study, Weston, MA

Lead highway engineer for this project, which involved the evaluation of the feasibility of locating an open road tolling (ORT) facility on the Massachusetts Turnpike (I-90) in the vicinity of the existing State Police/MassDOT District 6 Complex in Weston. This study assessed the geometric design considerations of an ORT facility at this location, including the size of the facility (number of HST lanes and cash lanes)

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Firm

HNTB Corporation

Education

BS, 2005, Civil Engineering,
University of Delaware

Professional Registrations

Professional Engineer:
MA/#48679/2010

Professional Affiliations

American Society of Civil Engineers

Hire Date with HNTB

June 2009

Years of Experience with other Firms

4

necessary to adequately serve the projected traffic demand during peak periods. The analysis took into consideration the capacity of the existing six lanes of I-90 and their ability to service the projected traffic demand in the future. This study included an overview-level identification of environmental resources that could be affected, provided a preliminary list of environmental clearances and permits that might be required, presented order of magnitude estimates of construction costs for the geometric designs and site locations, and identified other factors which should be considered in any further development studies that may be undertaken in the future. Jonathan was responsible for developing and evaluating two geometric alternatives in each of the three locations considered for an open road tolling facility. He was also responsible for creating cost estimates for each alternative and evaluating the alternatives constructability. Evaluation criteria was based on the FHWA's 13 controlling criteria, as well as the FHWA's "state of practice and recommendations on traffic control strategies on toll plazas," and the MassDOT Project Development and Design Guide.

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Design Services Start - End Date: 03/2012-04/2012

Construction Completion date: 6/1/2011

Massachusetts Department of Transportation (MassDOT), Whittier Bridge/I-95 Improvement Design-Build, Newburyport/Amesbury/Salisbury, MA

QA/QC engineer for the design-build Whittier Bridge/I-95 Improvement. As part of MassDOT's Accelerated Bridge Program, the project involves replacement of the John Greenleaf Whittier Memorial Bridge carrying I-95 over the Merrimack River, replacement of Pine Hill and Evans Place Bridges, and rehabilitation and widening of I-95 over Route 110 and an abandoned railroad. Services provided by HNTB include bridge demolition, utility coordination, retaining walls, drainage and storm water treatment, roadway realignment and widening, interchange improvements, traffic management, lighting and aesthetics, architectural and historic bridge elements, landscape architecture, design of a shared-use path, environmental permitting, and public outreach. Jonathan's responsibilities included QA/QC review of the highway discipline drawings during design submittals and also technical support.

Design Services Start - End Date: 02/2013-09/2013

Construction Completion Date: 9/2016

New Hampshire Department of Transportation (NHDOT), Rehabilitation of the Portsmouth Memorial Bridge Design-Build, Portsmouth, NH

QA/QC engineer for this \$81 million design-build project involving the construction of three structures comprising the Memorial Bridge and its approaches. The project included an in-depth inspection of the entire bridge structure, mechanical and electrical systems and substructure. Upon completion of the inspection, a rating report was prepared as well as a recommendations report to determine the most appropriate rehabilitation/replacement alternatives. Additional project components included a historic structures report, environmental study report, public participation, archaeological studies and determining traffic impacts. The final rehabilitation recommendations included the design of a new lift span

that would be constructed off-site and floated into place. Contract documents were prepared for the rehabilitation lift bridge project in 2008. Jonathan's responsibilities included independent QA/QC review of the all highway discipline drawings during each design submittal phase.

Professional Services Start - End Date: 2011-2012

Construction Completion Date: 2013

National Railroad Passenger Corporation (Amtrak), Southampton High-Speed Rail (HSR) Shop Expansion Design-Build, Boston, MA

Civil project engineer for HNTB's services as part of the design-build team performing the Southampton Shops and Yard improvements. This project included expansion of the high-speed rail (HSR) shop building and installation of a 50-ton Macton drop table, as well as all the associated power and OCS modifications for the Southampton Yard in Boston, Massachusetts. HNTB's scope of work included design for structural and electric-traction engineering, as well as civil, fire protection, plumbing, HVAC/mechanical and electrical, and IT design and engineering. HNTB's scope also included construction administration, involving review of shop drawings and providing responses for RFIs for the HNTB design elements. Jonathan's responsibilities included providing design plans and shop drawings for civil - site improvements, including grading, drainage, signing and striping, horizontal and vertical geometrics, and traffic control. Jonathan was also responsible for coordination with design team's surveyor, and contractor, as well as Amtrak and Jacobs during the design and construction phase of project.

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The contractor is Consigli/JF White Joint Venture.

Design Services Start - End Date: 03/2010-05/2011

Construction Completion date: 6/1/2011

Massachusetts Department of Transportation (MassDOT), Route 146 Bridge over West Main Street, Accelerated Bridge Program (ABP), Millbury, MA

Lead highway engineer for preliminary design of the construction of a two-span replacement bridge and interchange improvements with the local roadway system. The project involved development of accelerated techniques for both construction of the proposed substructure while the existing bridge remains in service and rapid staged construction of the modular superstructure elements utilizing heavy lift multi-crane arrangements. Included in the project was the widening of Route 146 at the bridge approaches and the addition of acceleration/deceleration lanes for the interchange-ramps to improve the flow of traffic. The project also included reconfiguration of the West Main Street/Elm Street/southbound ramp intersection to a modern roundabout and intersection improvements for the northbound ramps and Elm Street intersection. Jonathan was responsible for all major highway design items, including horizontal and vertical design, grading, traffic signing and striping, right-of-way, access and construction estimating.

Design Services Start - End Date: 09/11- 01/13

Construction Completion Date: 2016 (estimated)

Massachusetts Department of Transportation (MassDOT), Route 44 over Route 24 Bridge Replacement, Accelerated Bridge Program (ABP), Raynham, MA

Lead highway engineer for this bridge replacement project, under MassDOT's Accelerated Bridge Program. The project included approach roadway improvements, such as roll-out/roll-in technique, to help compress the construction schedule and reduce impact to abutters. Temporary roadways and ramps would be used during construction. Jonathan was responsible for coordinating roadway design, including grading and horizontal vertical geometrics.

Design Services Start - End Date: 05/11- 01/13

Construction Completion Date: 2016 (estimated)

Massachusetts Department of Transportation (MassDOT), I-495/290/SR85 Interchange: Interchange Modification Reports (IMR), Marlborough and Hudson, MA

Lead civil engineer for the preparation of an Interchange Modification Report (IMR) for the proposed modifications to the existing interchange at Interstate Route 495/Interstate Route 290/State Route 85 in Marlborough and Hudson, Massachusetts. The IMR is being developed in accordance with Section 7.2.7 of the Highway Division Project Development and Design Guide with the Federal Highway Administration policies and requirements related to access to the Interstate System (FHWA Policies), as published in the Federal Register, Vol. 74, No 165, dated August 27, 2009. The study area extends to the adjacent interchanges on I-495 and I-290. HNTB is documenting the existing and proposed development context in the areas adjacent to the I-495/I-290/SR 85 interchange. They are also documenting existing and projected population and employment information in the communities where the four study interchanges are located. This information is being compiled from past studies, and municipal and regional planning agencies for use in broadly describing the socioeconomic context of the I-495/I-290/SR 85 interchange and the need for modification. In addition to the socioeconomic context, HNTB is documenting the existing environmental context from available file and geographic information systems (GIS) information. Jonathan's responsibilities included the design and evaluation of the geometric concepts and the preparation of order of magnitude cost estimates.

Design Services Start - End Date: 1/2010- 6/2015

Massachusetts Department of Transportation (MassDOT), Padelford Street Bridge Replacement, Accelerated Bridge Program (ABP), Berkley, MA

Lead project highway engineer for this bridge reconstruction project under MassDOT's Accelerated Bridge Program, which includes approach roadway improvements. The project will close the entire bridge while routing traffic via detour during construction. Jonathan is responsible for the preliminary design development through the final bid documents for roadway design, utility coordination, traffic management, construction staging, scheduling and cost controls.

Design Services Start - End Date: 10/09- 10/2013

Construction Completion Date: 2015

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Massachusetts Department of Transportation (MassDOT), Rocks Village Bridge Rehabilitation, Accelerated Bridge Program (ABP), Haverhill and West Newbury, MA

Lead project highway engineer for the Rocks Village Bridge Rehabilitation project, under MassDOT's Accelerated Bridge Program. This project includes approach roadway improvements, reconstruction of the bridge deck and retaining/rehabilitating the existing single swing span and multiple fixed truss spans of the bridge. Jonathan is responsible for the preliminary design development through the final bid documents for roadway design, utility coordination, traffic management, construction staging, scheduling and cost controls. As part of construction phase services, he is responsible for responding to Requests for Information (RFIs) pertaining to highway design and construction staging items.

Design Services Start - End Date: 7/10- 6/2014

Construction Completion Date: 2014

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Massachusetts Department of Transportation (MassDOT), Groveland-Haverhill (Bates) Bridge Replacement Project, Groveland-Haverhill, MA

Project highway engineer responsible for responding to Requests for Information (RFIs) pertaining to highway design and construction staging items for this \$65 million MassDOT project. The 800-foot-long bridge carries Routes 97/113 over the Merrimack River. This five-span bridge includes a new single leaf trunnion bascule movable span with curved steel plate girder approach spans supported by driven piles and drilled shafts. The new bridge is located directly adjacent to and downstream of the existing bridge, allowing traffic to be maintained throughout the construction period with use of retaining walls.

Design Services Start - End Date: 10/2010 - 6/2015

Construction Completion Date: 2015

Massachusetts Department of Transportation (MassDOT), Brightman Street Replacement Bridge, Fall River - Somerset, MA

Highway engineer responsible for responding to Requests for Information (RFIs) pertaining to highway design and construction staging items. The project includes the replacement of an existing bascule bridge with a four-lane, four-leaf bascule structure; design of 1,200-foot bridge approach structures; design of three roadway bridges; six large retaining wall structures; relocation of approximately 3,500 feet of highway; a new trumpet interchange; a partial diamond interchange; and several new signalized intersections. The new bridge will provide 200 feet of horizontal clearance and 60 feet of vertical clearance at mean high water when closed and unlimited vertical clearance in the open position.

Design Services Start - End Date: 07/09 - 10/2011

Construction Completion Date: November 2011

Town of Medfield, North and Green Streets, Medfield, MA

Highway engineer for the reconstruction of two vital streets in Medfield Center. The project includes full-depth reconstruction, roadway widening, incorporation of new sidewalks, drainage improvements and the redesign of intersections to improve access and circulation. Jonathan was part of the design team from preliminary design development through the final bid

documents. Responsibilities included vertical alignment design, plan preparation and design review.

Professional Services Completion Start - End Date: 07/09 - 3/12

Construction Completion Date: Not Scheduled

Massachusetts Department of Transportation (MassDOT), Agawam Rotary, Agawam, MA

Highway engineer for the roadway reconstruction and removal of the Agawam Rotary. The project included replacement of the existing rotary with a divergent diamond interchange. Jonathan was part of the design team for the preliminary design development, which included roadway/highway design, traffic management, permitting, phasing, scheduling and cost estimating. His responsibilities included horizontal and vertical alignment design, roadway grading, traffic signing and striping, construction staging and estimating.

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Professional Services Completion Start - End Date: 09/09 - 12/12

Construction Completion Date: Not Scheduled

Experience prior to joining HNTB:

Cape May County, Sea Isle Boulevard Bridge over Ludlams Thorofare Rehabilitation, Cape May, NJ

Highway engineer for this project which involved the rehabilitation of Sea Isle Boulevard (County Route 625) Bridge over Ludlams Thorofare (Structure No. 0500-005). This 31-span structure consists of a single 93-foot through-girder main-span flanked by prestressed concrete girder spans and was built in 1963. This structure is the only mainland access route between the City of Sea Isle City and Dennis Township in Cape May County. It is supported on concrete substructure units with a total bridge length of 1,656 feet. The project involved in-depth structural evaluation; live load rating analysis for bridge strengthening; fatigue detail retrofit; seismic vulnerability analysis and retrofit design; preparation of detailed conceptual study and alternatives analysis for rehabilitation; preparation of preliminary and final design construction contract documents (plans, specifications and estimate) for staged repair and rehabilitation; approach roadway improvements; maintenance and protection of traffic plans; geotechnical engineering; investigation and design for elimination of a deficient bridge underclearance; investigation and design of permanent waterfront access road; fender system repairs; navigation lighting and electrical upgrades; community outreach; agency and subconsultant coordination; and shop drawing review/construction consultation. Jonathan was responsible for the approach roadway design, design for the elimination of a deficient bridge underclearance, construction staging, traffic control and construction estimate.

Design Services Start - End Date: 03/08-07/08

Construction Completion Date (if applicable): 08/09

New Jersey Turnpike Authority (NJTA), T-3104, Contract T100.042, Bridge Deck Repairs and Resurfacing, Mile 83 to Mile 122, NJ

Highway engineer for this project which involved the in-depth field inspection of approximately 60 bridges and the design of a bridge deck rehabilitation contract for 15-20 bridges on the New Jersey Turnpike from Mile 83 to Mile 122 and the Newark Bay-Hudson County Extension. The construction cost was \$9 million. Jonathan was responsible for approach roadway grading as well as supplemental shoulder regrading on the turnpike mainline. He assisted in traffic control design.

Design Services Start - End Date: 05/07-10/07

Construction Completion Date (if applicable): 05/08

New Jersey Turnpike Authority (NJTA), Contract R-1499, Northern Bridge Deck Replacement, NJ

Highway engineer for this project which involved the design of full depth bridge deck replacements, partial depth deck repairs, replacement of bridge safetywalks and parapets with barrier parapets, new bridge lighting, provisions for temporary lighting and maintenance of electrical facilities, bridge drainage modifications, bridge resurfacing, bridge deck joint replacement and miscellaneous structural repairs and approach roadway upgrades to approximately 15-20 bridges. Where replacement of the concrete parapet and safetywalk and/or deck slab occurs, live load analysis and recommendations for superstructure modifications to support the new loads will be made. Assignment required live load rating calculations and preparation of preliminary and final contract documents. Project also required the design of complex and multi-staged maintenance and protection of traffic plans and coordination with railroads, NJDOT, PA NY/NJ and local agencies. Jonathan was responsible for approach roadway grading as well as supplemental shoulder regrading on the turnpike mainline. He also was responsible for design of new guardrail installations. He assisted in traffic control design.

Design Services Start - End Date: 07/05-07/06

Construction Completion Date (if applicable): 05/07

New Jersey Department of Transportation (NJDOT), Route 9 over Westecunk Creek Bridge Replacement, Township of Eagleswood, NJ

Highway engineer for this project which involved the reconstruction of NJDOT Structure No. 1501-155, located along U.S. Route 9 over Westecunk Creek in Eagleswood Township, Ocean County, NJ. The existing structure consists of a two-span simply supported reinforced concrete slab on concrete abutments. The center pier is a solid concrete wall pier supported on timber piles. The overall length and width of the structure are 49 feet and 49.3 feet respectively. The replacement structure consists of a prefabricated single-span concrete rigid frame with an overall structure length and width of 40.75 feet and 58.33 feet respectively. The new structure shall carry two 12-foot lanes, two 10-foot shoulders and a six-foot concrete sidewalk on each side of the structure. The project involved preparing a CED (categorical exclusion document); preliminary and final design documents, including contract plans, specifications, construction schedule and engineers estimate; and responding to Contractors' questions during the bidding process. The project also required coordination of subconsultants; coordination with various agencies (USCG, NJDEP, SHPO, US Fish and Wildlife, USACE); environmental permitting; coordination with

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utility companies; community involvement requiring context sensitive design issues; hydrologic and hydraulic analysis; survey and right-of-way engineering; structural and roadway geotechnical investigation; scour analysis; preparation of Access Study Plan; highway and drainage design; landscape design; structural design; approach roadway improvements; traffic control and access plans; preparation of soil erosion sediment control plans and wetland mitigation plans. Jonathan was responsible for all major highway design items, including horizontal and vertical design, grading, traffic signing and striping, right of way, access and construction estimating.

Design Services Start - End Date: 09/07-05/09

Construction Completion Date (if applicable): Not Scheduled

New Jersey Department of Transportation (NJDOT), Route 31, Section 8P Design, Glen Gardner/Hampton Boroughs, NJ

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Highway engineer for this reconstruction project. The substructure and superstructure of the bridge that carries NJ Route 31 over the Raritan Valley line, structure no. 1013-158, is severely deteriorated. The project included replacement of the deficient structure, incorporating additional width to allow extension of the northbound climbing lane over the bridge and providing full width shoulders on both sides of the bridge and approach roadway. Jonathan was responsible for preliminary and final design on this project, the design accommodated two 12-foot travel lanes, two 12-foot climbing lanes and 10-foot shoulders. The scope of work included establishment of the horizontal and vertical geometry, preparation of the categorical exclusion document, geotechnical investigations, cultural resources studies, procurement of 21 right-of-way parcels, including three entire takes, utility relocations, preparation of aerial mapping and structural design of the replacement bridge and retaining walls. Jonathan was responsible for all major highway design items, including horizontal and vertical design, grading, traffic signing and striping, right of way, access and construction estimating.

Design Services Start - End Date: 11/05-06/09

Construction Completion Date (if applicable): 11/2013

New Jersey Department of Transportation (NJDOT), DPPD Open End - Route 9 and Ocean Gate, Township of Berkeley, NJ

Highway engineer responsible for performing concept development services for improvements to the intersection of Route 9 and Ocean Gate Drive/Korman Road in the Township of Berkeley, Ocean County. Tasks included data collection, photo log, prepare base plans, accident history and analysis, environmental constraints, traffic projections, traffic analyses, identification and evaluation of physical features, planning information, identification of conceptual solutions, concept development report, and public involvement action plan (PIAP). Jonathan assisted in traffic counts and provided CADD support.

Reference: NJDOT. Contact: Tom Anzabi (609) 530-2388.

Design Services Start - End Date: 7/05-10/05

Construction Completion Date (if applicable): N/A

New Jersey Department of Transportation (NJDOT), DPPD Open End - Route 9 and Wells Mills, Township of Ocean, NJ

Highway engineer involved as part of the team to study the existing Route 9 and Wells Mills Road intersection, study proposed development and future impacts on the intersection, study alternative improvements at the intersection and prepare a Concept Development Report for NJDOT consideration. Jonathan assisted in traffic counts and provided CADD support.

Reference: NJDOT. Contact: Tom Anzabi (609) 530-2388.
Design Services Start - End Date: 7/05-10/05

Construction Completion Date (if applicable): N/A

New Jersey Department of Transportation (NJDOT), Route 166 Improvement Project, Dover Township, Ocean County, NJ

Highway engineer responsible for final design services and development of construction documents to improve safety along Route 166 in the Township of Dover, NJ. Project included the design of 3,500 linear feet of Route 166 widening and improvements at four intersections. Jonathan was responsible for the design of all horizontal and vertical alignments and grading for all roadways, as well as worked on access, right of way acquisition, and alternative roadway schemes.

Reference: NJDOT. Contact: George Kuhn (609) 530-4237.
Design Services Start - End Date: 6/06-6/09

Construction Completion Date (if applicable): Not Scheduled

Hunterdon County, Reconstruction of Bridge K-136, Union Road over Lockating Creek, Kingwood Township, Hunterdon County, NJ

Highway engineer for this project which involved approach roadway design for the widening and realignment of a one-lane bridge to two lanes. Project also included roadside treatments associated with an adjacent park. Jonathan was responsible for the roadway design, including horizontal and vertical controls, grading, and roadside treatments, as well as the roadway cost estimate.

Reference: Hunterdon County. Contact: Bruce Johnson (908) 788-1227
Design Services Start - End Date: 09/05 - 11/06

Construction Completion Date (if applicable): 8/07

Monmouth County, Reconstruction of Bridge MN-30, Water Street (C.R. 522) over Weamaconk Creek, Borough of Englishtown, Monmouth County, NJ

Highway engineer for this project which provided final design services and construction documents for roadway and bridge realignment of two roads and one intersection. Project required construction staging to maintain traffic across the creek. Project also required numerous utility relocations. Jonathan assisted in final design and was responsible for the cost estimate.

Reference: Monmouth County. Contact: Tim Ryan (732) 431-7760
Design Services Start - End Date: 06/05 - 04/07

Construction Completion Date (if applicable): 3/10 (estimated)

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New Jersey Turnpike Authority (NJTA), On Call Design Services, Pavement Rideability and Resurfacing Improvements GSP Mile 48 to Mile 51, Ocean County, NJ

Highway engineer for this project which involved final design services and development of construction documents to improve inconsistencies in the Garden State Parkway's profile and cross slopes on either side of the Mullica River bridges. Jonathan was responsible for the regrading, traffic control and the cost estimate of the northbound and southbound approaches to the Mullica River Bridge.

Reference: NJTA. Contact: Dan DeStefano (732) 750-5300

Design Services Start - End Date: 01/07 - 03/07

Construction Completion Date (if applicable): 10/07

New Jersey Turnpike Authority (NJTA), On Call Design Services, Garden State Parkway Resurfacing and Miscellaneous Drainage Improvements at Interchange Nos. 9, 10 & 11, Cape May County, NJ

Highway engineer for this project which involved final design services and development of construction documents to remove localized ponding and improve cross slopes along the Garden State Parkway at Interchange Nos. 9, 10 and 11. Jonathan was responsible for the traffic control and the cost estimate of all three interchanges.

Reference: NJTA. Contact: Dan DeStefano (732) 750-5300

Design Services Start - End Date: 01/07 - 03/07

Construction Completion Date (if applicable): 10/07

New Jersey Turnpike Authority (NJTA), Bridge Deck Repairs and Resurfacing, Mile 83 to Mile 122 and the Newark Bay - Hudson County Extension, Various Counties, NJ

Highway engineer for this project which involved the design of full depth bridge deck replacements; partial depth deck repairs; replacement of bridge safetywalks and parapets with barrier parapets; new bridge lighting and provisions for temporary lighting and maintenance of electrical facilities; bridge drainage modifications; bridge deck and approach roadway resurfacing; bridge deck joint replacement; miscellaneous structural repairs; and approach roadway improvements on approximately 15-20 bridges. Jonathan was responsible for approach roadway grading as well as supplemental shoulder regrading on the turnpike mainline. He assisted in traffic control design.

Reference: NJTA. Contact: Rod Simon (732) 750-5300

Design Services Start - End Date: 10/06 -12/06

Construction Completion Date (if applicable): 08/06

Rutgers University, George Street Roundabout, New Brunswick, NJ

Highway engineer for this project which involved final design services for the realignment of George Street across from Campbell Hall to a modern roundabout. The project also included the design of four retaining walls, a new driveway for the parking garage, pedestrian access improvements and landscape improvements. Jonathan was responsible for the vertical alignment, site and roadway grading, traffic control and the cost estimate. Jonathan also assisted in the horizontal alignment design.

Reference: Rutgers University. Contact: Georgia Kyrifides (732) 445-2430.

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Design Services Start - End Date: 1/06 -5/06

Construction Completion Date (if applicable): Not Scheduled

**Montclair State University, Quinn Road Improvements and Extension,
Passaic County, Clifton, NJ**

Project engineer for the final design and construction documents for the redesign of Quinn Road to allow for two way traffic to the university. Project included 1,200 linear feet of roadway widening and 250 linear feet of new roadway. Project required regrading the roadway and surrounding slopes, which range from 290 feet to 392 feet above sea level as well as the installation of a new traffic signal. Jonathan was responsible for the vertical alignment and site and roadway grading.

Reference: Montclair State University. Contact: Greg Bressler (973) 655-5457

Design Services Start - End Date: 10/05 - 12/05

Construction Completion Date (if applicable): Not Scheduled

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Additional Experience prior:

Vollmer Associates, LLP; 2001-2004 (summers and winter). Engineering Intern. Constructed preliminary and final plans including, storm, sanitary and road profiles, land features, grading, parking areas, erosion and sediment control and concept plans using AutoCAD 2002 Land Development. Compiled Concept Development Report for the replacement of Alexander Road Bridge over Amtrak in West Windsor, NJ. Principal items of the report included the analysis of accident data, horizontal and vertical alignments, historical background, and structural evaluation. Planned alternatives for the redesign of the SR 35 intersection and railroad crossing in Little Silver, NJ. Surveyed and delineated wetlands using GPS, EDM and taping devices in Burlington County, NJ. Inspected substructure and superstructure of South Broad Street Bridge on US Route 206 in Trenton, NJ while working on structural reevaluation crew.

Edwards and Kelcey, West Chester, PA; Winter, 2005. Engineering Intern. Checked and edited horizontal geometry, including superelevations, curve radii, and spiral transitions for SR 0422 in Chester and Montgomery Counties, PA using Microstation J. Created vertical profiles and typical cross-sections for Choptank Road in DE using Inroads/Select CAD and Microstation J to reset drainage culvert lengths under connecting driveways. Performed traffic counts using JAMAR data recorders for the I-95/I-276 Interchange in Bucks County, PA.

Urban Engineers, Inc., Philadelphia, PA; Summer 2004. Engineering Intern. Checked and edited utility profiles and plan alignments for the expansion of Dulles International Airport. Worked with subcontractors to correct any discrepancies in design. Prepared final plans for a new taxiway and parking facility at Atlantic City International Airport. Principal plans worked on include grading, drainage, demolition, phasing and Erosion and sediment control.

Skills:

Software: MS Office Suite, AutoCAD 2007, InRoads/Select CAD, HCS2000,

Microstation

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