

Village of Nyack

COMPREHENSIVE PLAN UPDATE



Photo "Village of Nyack: Sunrise Over the Hudson River" courtesy of A. Roufa, MD The Photo Doctor www.roufamd.com

QUALIFICATIONS

MAY 2015

SUBMITTED BY



112 Spring Street, Ste. 305
Saratoga Springs, NY 12866

151 South Main Street, Ste. 200
New City, NY 10956

www.behanplanning.com

IN ASSOCIATION WITH



May 14, 2015



Mr. James Politi
Village Administrator
Village of Nyack
9 North Broadway
Nyack, NY 10960

RE: Update of the Village of Comprehensive Plan: Climate Smart Planning for the 21st Century

Dear Mr. Politi and Members of the Selection Committee:

On behalf of the Behan Planning and Design team, I am pleased to submit our proposal for the Village of Nyack **Comprehensive Plan Update** project. We are very interested in assisting the village with this important initiative, and look forward to the opportunity to work with your community.

Behan Planning and Design is a national award-winning planning and landscape architecture design firm with offices in New City and Saratoga Springs, New York. We are a state designated women-owned business enterprise (WBE) and state-certified disadvantaged business enterprise (DBE). Our firm has a 20-year history in comprehensive, land-use planning and in promoting environmentally sound communities—a practice that has emerged under the more recent nomenclature as *sustainability*. Our recent local work includes the master planning and design for flood protection and wetland restoration as part of the West Nyack Revitalization project, funded in part by \$1 million in Green Innovative Grant funding from the NYS Environmental Facilities Corporation. We also recently completed community vision plans and updated zoning codes for both of the hamlets of New City and West Nyack.

Joining our team for this important effort will be **Nelson\Nygaard Consulting Associates, Inc.** Nelson\Nygaard is an internationally recognized transportation consulting firm, specializing in multi-modal, public transit and transportation master plans. Also joining our team will be the **Brendle Group**, sustainability advisors who specialize in environmental planning, LEED ND design, energy conservation and performance metrics. As a national leader in sustainability planning and engineering, the Brendle Group will be a nice complement to our team's expertise.

Our team has been assembled to meet the specific needs of this NYSERDA-sponsored project, and to bring exceptional experience and professionalism to work for the Village of Nyack. We look forward to discussing our proposal with you at your convenience. In the meantime, please feel free to call John Behan or Michael Allen at (518) 583-4335 at any time to discuss our services in greater detail.

Truly yours,

A handwritten signature in blue ink that reads "Cynthia A. Behan".

Cynthia A. Behan, RLA
Principal

112 Spring Street, Suite 305
Saratoga Springs, New York
Phone (518) 583-4335

151 South Main Street, Suite 200
New City, New York 10956
Phone (845) 499-2060

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Fax (518) 583-6970

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CONTACT INFORMATION

Proposal for: **Update of the Village of Nyack Comprehensive Plan: Climate Smart Planning for the 21st Century Village of Nyack, NY**

Firm Name: Behan Planning and Design
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Saratoga Springs, NY 12866

151 South Main Street, Suite 305
New City, NY 10956

Contacts: John Behan, AICP, Principal
Michael B. Allen, Senior Planner, Associate
Cynthia Behan, RLA, President & Principal

Phone: (518) 583-4335
Fax: (518) 583-6970
Email: jbehan@behanplanning.com
Web: www.behanplanning.com



Downtown Saratoga Springs, NY (left). Our Saratoga Springs offices, located at 112 Spring Street (right).

CONTENTS

Firm Contact Information..... *i*

Letter of Interest..... *ii*

Firm Introduction..... 3

 Behan Planning and Design.....3

 Nelson\Nygaard..... 7

 Brendle Group..... 8

Related Project Experience..... 9

 Behan Planning and Design 9

 Nelson Nygaard 15

 Brendle Group 19

Project Understanding / Approach.....23

Project Schedule.....27

Project Budget.....28

APPENDIX 29

 Team Resumes

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FIRM INTRODUCTION



Behan Planning and Design is a nationally-recognized community planning and landscape architecture design firm with offices in Saratoga Springs and New City, New York. Founded in 1994 by the firm’s principal partners Cynthia A. Behan, RLA and John J. Behan, AICP, the firm’s professionals are dedicated to building strong client partnerships with areas of expertise in Community Planning, Design and Landscape Architecture.

Our firm enjoys a great track record with over 100 plans being implemented into successful projects. Many of our projects integrate downtown and waterfront revitalization for historic communities, and have ranged from large regional comprehensive plans to village and hamlet master plans, zoning ordinances, form-based codes and design-guidelines.

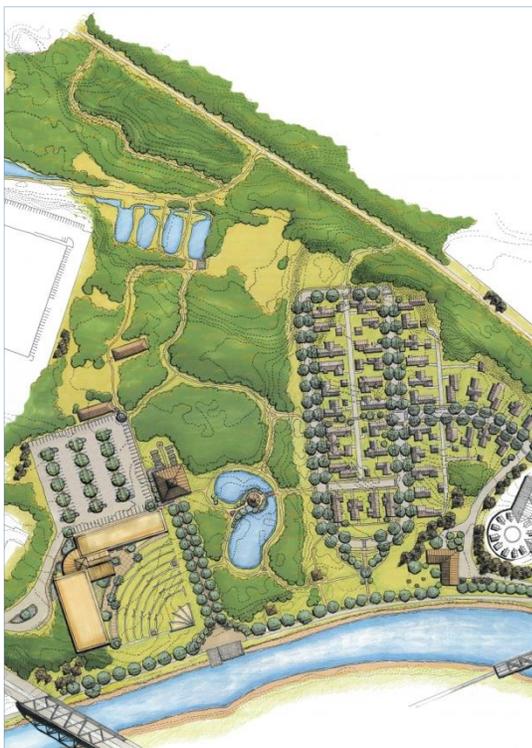


Our company has recently transitioned to a design professional corporation (Behan Associates Landscape Architecture, D.P.C.) and we continue to do business as Behan Planning and Design. We are a state designated women-owned business enterprise (WBE) and state-certified disadvantage business enterprise (DBE). We have developed a well-respected over the years with a diverse client base primarily composed of local and regional governments, though we often work with developers, community organizations, not-for-profits, public and private institutions and construction contractors.

We have the professional staff resources available for this project. Staffing capacity is managed to address long-term workload projections and allocated each week to ensure that our clients are getting the attention and services needed to complete the work to your satisfaction in the time allotted. Please refer the resume section to view our staffs’ overall capabilities and experience.



Selected Awards and Recognitions (Received by Behan Planning and Design and our clients)



- Upstate New York Chapter of the American Society of Landscape Architects: 2014 Merit Award of Achievement for Built Design, South Main Streetscape, New City, Town of Clarkstown, NY
- Great Places in America: 2014 Neighborhoods – Arbor Hill, Albany, NY from American Planning Association – Arbor Hill Neighborhood Plan
- Upstate New York Chapter of the American Planning Association: 2013 Planning Excellence Award, Town of Dryden – Varna Community Development Plan
- NY Planning Federation: 2012 Pomeroy Award for Innovative Zoning, Pittsford, NY
- Upstate New York Chapter of the American Planning Association: 2009 Planning Excellence Award for Implementation – Skaneateles Lake Watershed Protection Program
- American Planning Association National Award for Planning for the Town of Pittsford’s “Greenprint™ for the Future” initiative.
- Upstate New York Chapter of the American Planning Association Award for the County of Albany Hudson River Waterfront Strategy.
- Governor’s Award for Excellence to the Town of Pittsford for its waterfront planning and revitalization, and other cooperative projects.
- Upstate New York Chapter of the American Planning Association’s “Outstanding Planning Award” for guiding local land use towards “smart growth” in the Town of Milton.
- New York State Association of Realtors Award for Smart Growth Excellence to the Town of Clifton Park for its environmental and growth planning initiative.

STAFF MEMBERS



John Behan, AICP, *Principal-Planning*
Behan Planning and Design

After practicing for twelve years, first as a city planner, then as a partner in a larger planning and design firm, John Behan began his independent consulting planning practice in 1995. Mr. Behan’s work, which he considers creative collaborations with his clients and their constituencies, has been recognized with several national planning awards. His professional practice emphasizes turning knowledge into action and includes public involvement as integral to successful community planning initiatives. John is recognized for his capability to treat each community uniquely for its own respective values.



Cynthia Behan, RLA, *Principal-Landscape Architecture*
Behan Planning and Design

Ms. Behan’s design and planning experience includes community parks and trails, waterfronts, site planning and design for commercial, residential and institutional clients. Ms. Behan is well versed in the full spectrum of landscape architectural project work from master planning and park design through detailed streetscape design and construction. She has completed complex streetscape and park design work from conceptual planning through the design and construction phases. Cynthia has an excellent capacity to understand how to design places that inspire economic investment.



Richard R Hopkins III, P.E., *Principal-Engineer*
Behan Planning and Design

Mr. Hopkins is a licensed professional Engineer with 13 years of experience as a project engineer and project manager. The scope of projects includes public and private development from residential subdivision to commercial sites and includes all aspects of the project from, layout of the subdivisions/site to the hydrologic and hydraulic design of drainage, grading design, sewer (gravity and force main), water main distribution and service design and testing. Mr. Hopkins has a strong background in construction management and administration and field representation providing engineering solutions in the time sensitive real world environment. As a project Manager, Mr. Hopkins, has been responsible for all technical aspects of project including; proposal, contract set-up, client relations, scheduling, and budget. Capabilities include transportation aspects of civil engineering



Michael Allen, *Project Manager – Senior Associate*
Behan Planning and Design

As a degreed architect, Michael Allen has worked for noted international firms including Skidmore Owings Merrill, P.C. in London and Einhorn Yaffee Prescott, A/E, P.C. in Albany, N.Y. He began his independent planning consulting practice in 2002 with the formation of Bailliere Consulting where he was Principal until joining Behan Planning and Design in 2007. Mr. Allen has a broad range of experience in zoning codes, form-based development codes, design standards and guidelines, land-use planning and master planning projects - he brings special expertise in public-private partnerships, development scenarios, illustrative graphics and public presentations.



Rebecca Nolan, *RLA, LEED AP, Design*
Behan Planning and Design

Ms. Nolan provides design services for community planning, public parks, streetscape, urban design and redevelopment projects as well as public facilitation and construction administration. Before moving to New York, she worked for Design Workshop, Inc of Colorado and Kent Frost Associates of Southeastern Connecticut. Her knowledge of LEED requirements and interest in integrated design practices help her see projects through the design process from visioning to construction.



Kara Smith, *Land Planner and Landscape Designer*
Behan Planning and Design

Kara Smith has experience in landscape design and construction oversight, bicycle and pedestrian facility design, as well as community revitalization projects. She has contributed to the planning, promoting and facilitation of community meetings, as well as the organization of volunteers to produce a project within the project's timeframe and budget. Her knowledge base also includes marketing and writing, cost estimations, material specifications, and proficiency in numerous computer programs including AutoCAD, InDesign, Illustrator, Photoshop and Sketchup.

FIRM INTRODUCTION

A Different Kind of Transportation Firm



Nelson\Nygaard Consulting Associates, Inc. is an internationally recognized firm committed to developing transportation systems that promote vibrant, sustainable, and accessible communities. Founded by two women in 1987, Nelson\Nygaard has grown from its roots in transit planning to a 123-person, full-service transportation firm with offices across the United States.

In keeping with the values set by our founders, Nelson\Nygaard puts people first. We recognize that transportation is not an end by itself but a platform for achieving broader community goals of mobility, equity, economic development, and healthy living. Our hands-on, national experience informs but doesn't dictate local solutions. Built on consensus and a multimodal approach, our plans are renowned as practical and implementable.

Nelson\Nygaard specializes in:



TRANSIT SYSTEMS

Feasibility and fare studies, corridor studies, new services and facilities, redesign services for bus rapid transit, streetcar, rail, bus, and ferry



MULTIMODAL NETWORKS

Complete streets, downtown and regional mobility, transit-oriented development, transportation demand management, healthy communities



PARATRANSIT AND MOBILITY MANAGEMENT

Human services coordination, paratransit and rural transportation plans, mobility manager training, accessibility evaluations



CAMPUS ACCESS

Commute and trip reduction, employee and student incentives, marketing campaigns, financial analyses for universities, tech companies, and hospitals



WALKING AND BICYCLING

Facilities and network design, bike sharing, safe routes to school and transit, calmed streets, walk audits



TAXI AND ON-DEMAND SERVICES

Regulations, entry control, rate setting for taxi, livery, peer-to-peer, and private-for-hire



PARKING MANAGEMENT

Regulations, pricing strategies, shared parking, governance, technology selection, travel demand management



TRAFFIC ANALYSIS

Road diets and traffic calming, traffic impact simulation, trip reduction, greenhouse gas analysis, climate action plans

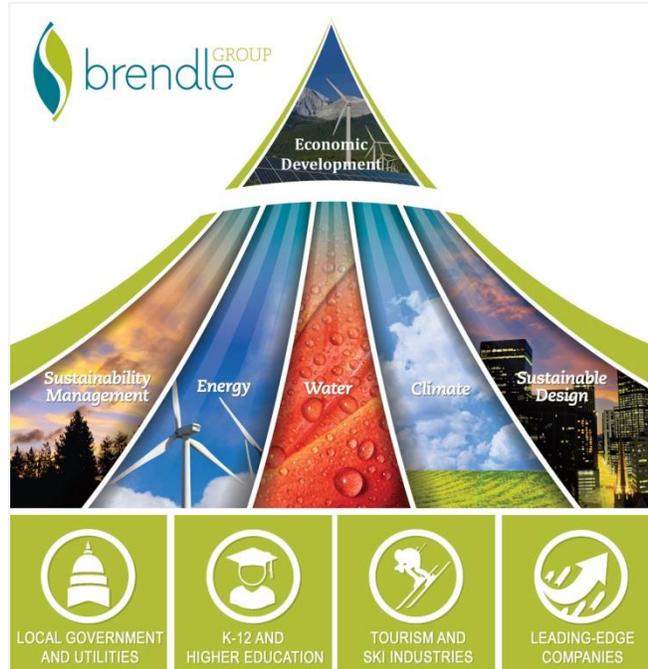
Recognized for projects around the world, Nelson\Nygaard has received awards and honors from professional organizations and government agencies including the American Planning Association, the Federal Transit Administration, the Association of Environmental Professionals, the American Society of Landscape Architects, the Congress for the New Urbanism, and the Canadian Institute of Planners.

Mobility | Accessibility | Sustainability

www.nelsonnygaard.com

FIRM PROFILE

BRENDLE GROUP is an engineering consulting firm that has been actively practicing sustainability for over 18 years, specializing in sustainability planning, economic development, energy management, climate protection, water conservation, and sustainable design. Founded in 1996, Brendle Group was a pioneer in the now flourishing field of sustainability. Among sustainability consultants, Brendle Group is a rare find, also having a dedicated business practice in economic development that includes bringing energy efficiency to scale and growing local jobs in the process; cluster-based cleantech initiatives; and downtown and neighborhood districts.



Brendle Group serves clients nationwide and has completed or is working on over 200 sustainability projects for over 100 clients across 20 states. Several of these clients are cities like Rome that are actively seeking to integrate triple-bottom line analysis and sustainability considerations into their planning processes and development codes.

With its staff of engineers and community planners, Brendle Group offers clients a broad understanding of sustainability concepts from both quantitative and qualitative perspectives. The firm’s range experience spans strategic sustainability planning and evaluations for neighborhood and comprehensive plans, programs, and projects; energy and water conservation evaluations; greenhouse gas inventories and carbon reduction strategies; green building; and sustainable economic development. Brendle Group’s approach leverages the strength of its engineering roots and its ability to rigorously quantify sustainability outcomes along with its strategic planning expertise and abilities to help communities holistically evaluate sustainability through the lens of the triple bottom line.

Brendle Group not only develops sustainability plans and evaluation systems, it also focuses on assisting communities and organizations to take their sustainability efforts to the next level, helping convert their plans and systems into implementation. This is accomplished through guidance and specific implementation tools for ongoing improvement; training of staff and driving organizational change; and developing reporting and indicator monitoring programs to communicate to decision makers and the community. Through both strategic planning and implementation support, Brendle Group helps communities implement programs and initiatives with positive “triple win” outcomes – benefits for the economy, environment, and community.

Brendle Group is a federal and State of Colorado-certified woman-owned small business.

212 West Mulberry Street
 Fort Collins, CO 80521
 970.207.0058 Website: www.BrendleGroup.com

RELEVANT EXPERIENCE – BEHAN PLANNING AND DESIGN

Below is some additional information on the comparable projects featured on the following pages.

Clifton Park, NY

Town Center Master Plan / Town Center Zoning

REFERENCE CONTACT: John Scavo, Director of Planning, Clifton Park, NY. (518) 371-6054
jscavo@cliftonpark.org

Year Completed: Adopted 2012 / Adopted 2015

Contract Amount: \$65,000 /

Personnel: Michael Allen, Project Manager; John Behan, Principal; Cynthia Behan, Principal and Landscape Architect; Kara Smith, Designer.

New City, NY

New City Vision Plan / New City Zoning

REFERENCE CONTACT: Joe Simoes, Town Planner, Town of Clarkstown, NY. (845) 639-2070
j.simoes@clarkstown.org

Year Completed: 2008 / 2013

Contract Amount: \$140,000

Personnel: Michael Allen, Project Manager; John Behan, Principal; Cynthia Behan Principal and Landscape Architect.

Walkkill, NY

Comprehensive Plan Update / Zoning Revisions

REFERENCE CONTACT: John Ward, (Former) Supervisor, Town of Walkkill, NY. (845) 551-4232
jw0718@hvc.rr.com

Year Completed: 2009

Contract Amount: \$140,000

Personnel: Michael Allen, Project Manager. John Behan, Principal; Cynthia Behan Principal and Landscape Architect.

Town and Village of Pittsford, NY

Town Comprehensive Plan Update,

Context-Based Zoning, Greenprint, Grants

REFERENCE CONTACT: Greg Duane, Director of Finance, Town of Pittsford, 585-248,6220
Greg_Duane@townofpittsford.org

Year Completed: 2012

Contract Amount: \$300,000

Personnel: John Behan, Principal and Project Manager; Michael Allen, Senior Planner, Cynthia Behan Principal and Landscape Architect.

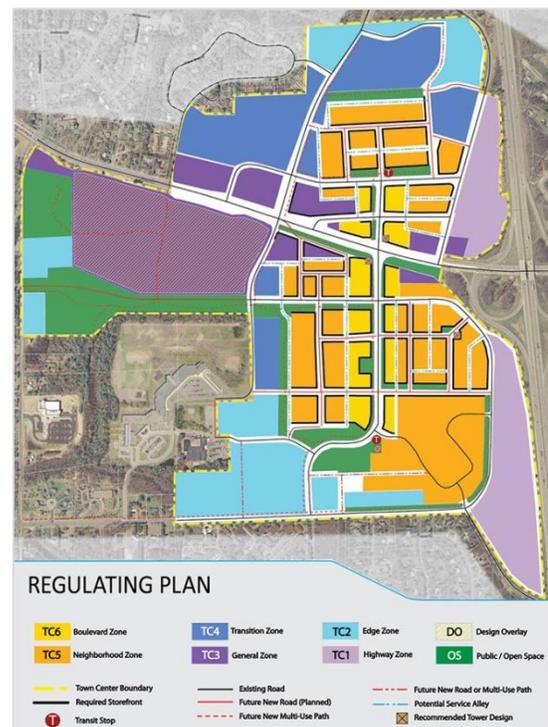
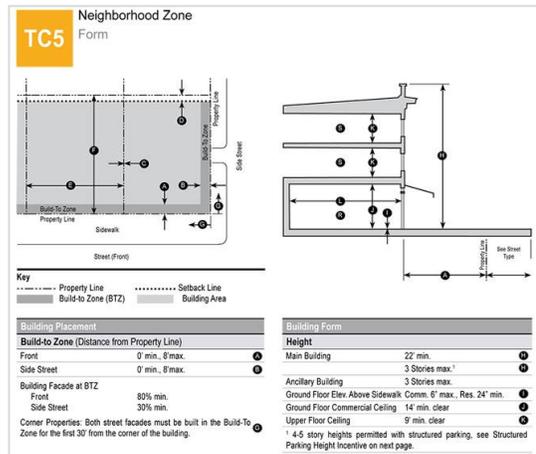
Town Center Form-Based Zoning Town of Clifton Park, New York

Behan Planning, in partnership with Dover, Kohl & Partners, was selected to help implement the Clifton Park Town Center Master Plan with the development of new Form-Based Zoning Codes for the town's commercial core.

Funded by the Capital District Transportation Committee, the goal of the new zoning is to enable and promote a transformation of the core commercial area into a more attractive, transit friendly and walkable retail and civic center for the town. The planning process was started with a three-day public design charrette where residents, business owners and community leaders came together to discuss what the form of their new commercial town center should look like.

The new code includes several new development zones which replace the existing commercial zoning, outlined in a detailed regulating plan. A new review process, which includes administrative approvals, was developed to help streamline development approvals while ensuring the desired urban form and a high quality of design. Architectural, site planning and sign standards are also included.

This zoning work is complete and was adopted in 2015.

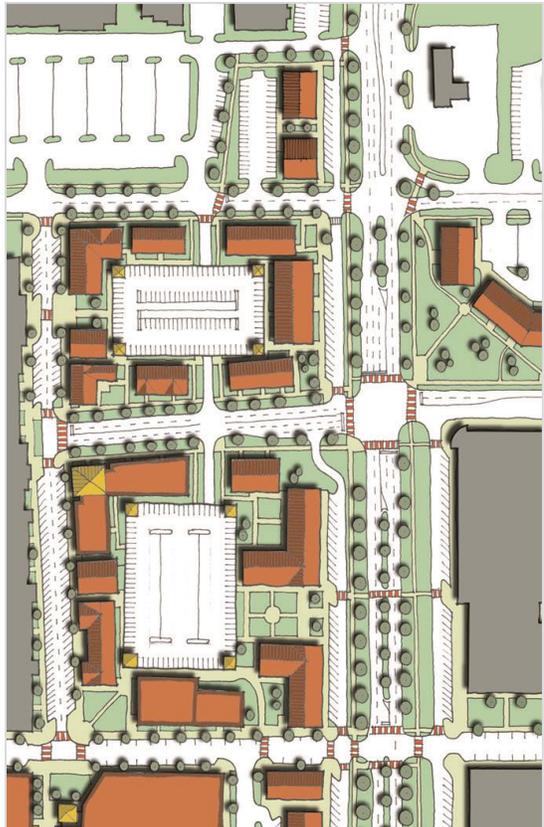


Town Center Master Plan Town of Clifton Park, New York

Behan Planning and Design, in partnership with Dover, Kohl & Partners, developed the Clifton Park Town Center Master Plan. The goal of the project, funded under Capital District Transportation Committee’s Linkage Program, was to create a community vision for transforming the core commercial area into a more attractive, transit friendly and walk-able retail and civic center for the town. At the heart of this process was a three-day public design charrette where residents, business owners and community leaders came together to discuss what they envisioned the new commercial town center to look like.

The plan included specific concepts for adaptive re-use of older portions of the existing shopping mall and nearby plazas to create smaller, walkable streets and consolidate the larger, underutilized parking areas into smaller shared lots and integrated parking structures.

The efforts of this process resulted in a number of new design concepts, including a Master Plan, "phased infill" design concepts and zoning change recommendations. This plan was adopted in early 2012 and the follow up work of developing a new zoning code was completed in March 2015.

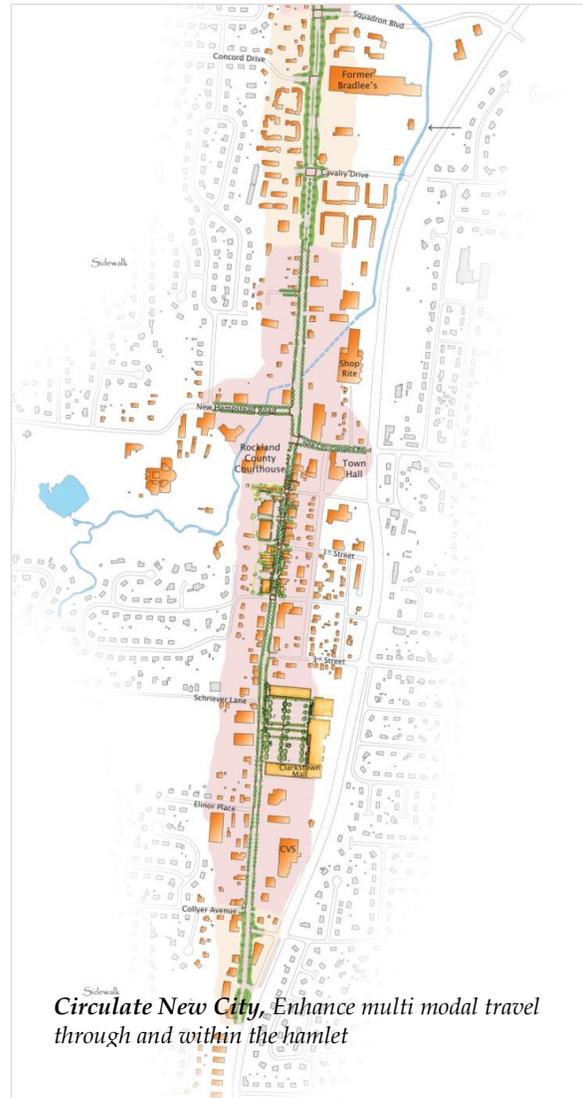


New City Vision Plan Town of Clarkstown, New York

The *New City Vision Plan* is a cooperative effort between the Town of Clarkstown and the New City community to provide guidance for the future of the New City Hamlet Center, which includes the town’s main commercial corridor, as well as the town and county offices and major parks and public spaces.

To gather broad community input on the future of the center of this town of over 80,000 residents, Behan Planning and Design distributed surveys and mailings, conducted several workshops and focus group sessions, and convened interviews and meetings with landowners, business owners and stakeholders. Some of the opportunities identified by the community include redevelopment of shopping plazas; creation of a traditional Main Street; coordination of the county campus and downtown New City; streetscape enhancements; and park and open space opportunities.

After completing the vision plan, our firm was hired by the Town of Clarkstown to develop construction drawings for a comprehensive improvement program for South Main Street; as well as zoning updates and site and architectural design guidelines for the New City Hamlet area. Phase I and II are complete.



Circulate New City, Enhance multi modal travel through and within the hamlet



3-D computer rendering shows how existing strip development can be converted to a more traditional main street environment.

Town Comprehensive Plan Update Town of Pittsford, New York

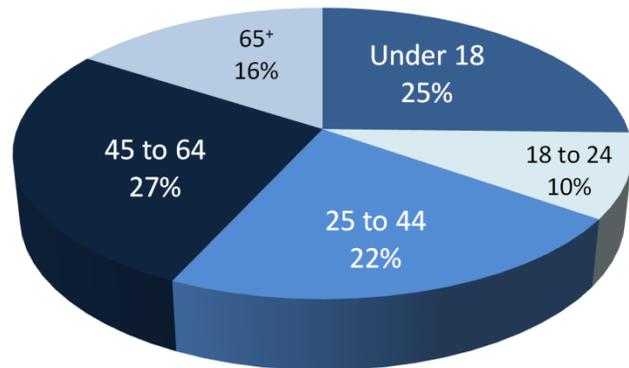
Behan Planning and Design completed an Update to the Town of Pittsford’s Comprehensive Plan. The plan established consensus around broad quality of life goals. Public consensus, visioning and workshops were held to ensure the comprehensive plan update reflected the desires of the community.

Today, the town faces a new set of challenges and, more importantly, opportunities. Because past planning efforts have paid off, the town continues to be a premier location to call home and in which to do business. Therefore, even as the town matures and the amount of land available for subdivisions and new development dwindles, growth pressures have continued to exert themselves on the town – on a landscape that is increasingly “already developed.”

As a mature town, Pittsford’s plan evolved around unique objectives such as:

- Grow Pittsford gracefully.
- Expand the Town and Gown (college) partnership.
- Continue to strive for a sustainable community.

This plan update focused on three strategic elements: land use, transportation, and parks and recreation. Pittsford’s success has much to do with its leadership and forethought in planning – and its courage as a community to take the bold steps to make their vision become reality.



Age distribution in Pittsford showed growth in both youth and senior populations.



New cottage homes on smaller lots are responsive to demographic trends.

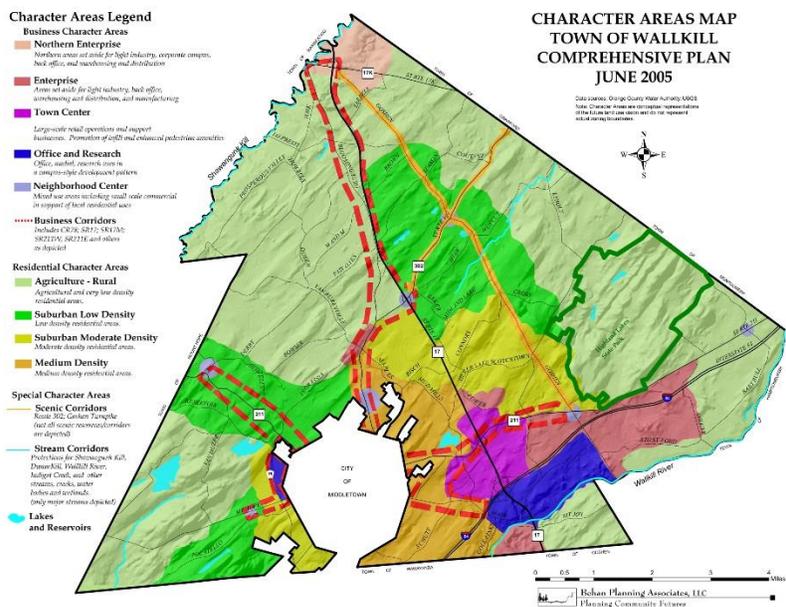
Comprehensive Zoning Amendments

Town of Wallkill, New York

Behan Planning and Design provided the Town of Wallkill with significant zoning changes in 2009. One of the goals of these zoning changes was to help the town provide for more affordable and workforce housing to its residents. As part of this work, a new Planned Residential Development (PRD) overlay district was established which permitted planned unit developments to seek rezoning approval of the Town Board. This PRD permitted multi-family dwellings, townhomes, duplexes and senior housing residential types combined with appropriate mixed-use commercial development on a single property in a compact, master plan design. These developments were required to provide a minimum of 10% of the multi-family and senior housing dwelling units to meet specific affordable housing criteria. Planned Residential Developments which provided additional affordable housing as part of their design were also permitted a reduction or waiver of mitigation fees as an incentive to increase their percentages.

Due to the fact that many of the older multi-family developments in the town had become non-conforming uses through previous zoning changes, they had been prevented from expanding or rebuilding. The new legislation sought to correct this by enabling pre-existing non-conforming multi-family developments to become conforming uses once again through the PRD process.

Other changes to the zoning code included revisions to the town's subdivision laws permitting multi-family housing to be designed as part of a Conservation Subdivision. The provisions of this required that a minimum of 10% of the dwelling units provided must meet specific affordable housing criteria in order to provide for more workforce housing within the town. Additionally, the allowable densities for multifamily dwellings were increased for both conventional and conservation subdivisions.



RELEVANT EXPERIENCE – NELSON NYGAARD

New Rochelle, NY

Town Center Master Plan Downtown Circulation & Gateway Study

REFERENCE CONTACT:

Luis Aragon, Commissioner, City of New Rochelle Department of Development,
New Rochelle, NY 914-654-2182 laragon@newrochelleny.com

Year Completed:

2014

Contract Amount:

\$80,000

Personnel:

Michael King, Project Manager; David Fields, Principal; Tom Brown, Principal,
Larry Gould, Principal

Metuchen, NJ

Parking Management Plan

REFERENCE CONTACT:

Sean Massey, Commissioner, Metuchen Parking Authority, Metuchen, NJ
08840, 732-632-8540 smassey33@gmail.com

Year Completed:

2014

Contract Amount:

\$44,000

Personnel:

David Fields, Principal; Tom Brown, Project Manager, Rachel Weinberger,
Principal

St. Louis, MO

South Grand Boulevard Road Diet

REFERENCE CONTACT:

Mary Grace Lewandowski, AICP, Transportation Planner, East-West Gateway
Council of Governments, St Louis, MO 63102, 314-421-4220 x294,
marygrace@ewgateway.org

Year Completed:

2010

Contract Amount:

\$95,000

Personnel:

Michael King, Project Manager; David Fields, Principal; Tom Brown, Principal

Downtown Circulation and Gateway Study

NEW ROCHELLE, NY

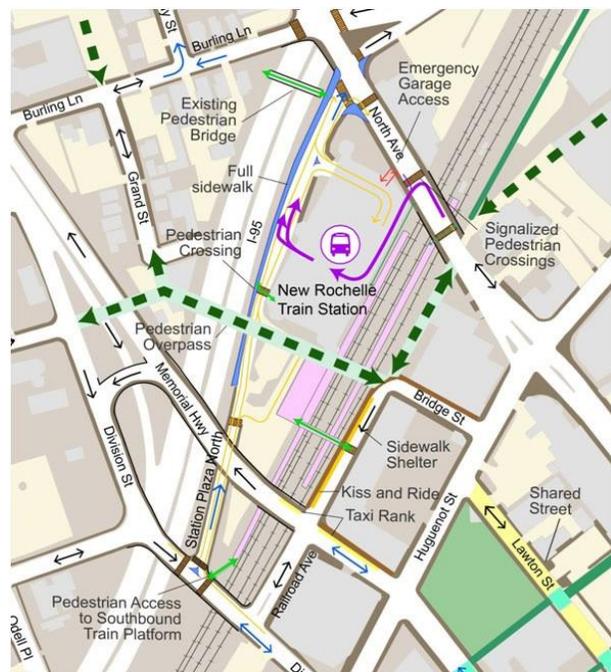
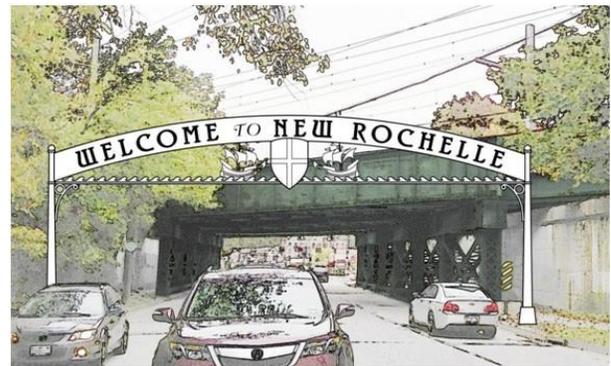
The City of New Rochelle, a major suburb of New York City, hired Nelson\Nygaard to lead a team to study circulation to, in, and around their downtown. The project was performed under the aegis of the Development Department in close consultation with the City Council, the downtown Business Improvement District, and the Urban Design Program at Columbia University.

The project is a forward thinking effort to support the City's growth as a destination and desirable place to live, work, and play. Building on past and contemporary efforts, the project is meant to develop strategies for increasing pedestrian, bicycle, and transit access, developing welcoming gateways, and solidifying connections to the city's downtown area. It identified 11 types of improvements to the downtown area, ranging from new bridges, to street direction changes, to wayfinding. The improvements range from quick fixes (altering signal timing so that people can cross the street quicker) to major zoning and development changes.

Three initiatives from the initial study were selected for further development by the project team. First is the return of 2-way traffic to Main and Huguenot Streets. These streets were converted to a 1-way pair in 1951, when downtown's across the nation were dispersing. The local business community sees a more classic main street environment as key to their future

The second major effort is a reorganization of auto traffic leading to the city's train station. At present most traffic arrives via North Street which is also the main north-south commercial corridor. The project team identified under-utilized streets which would produce better traffic flow and improve the walking and cycling environment.

The third proposal is a major redesign of the streets and parcels in the former train yards. This area was previously chopped into suburban style superblocks with a discontinuous and overbuilt street system. The plan is to straighten out the streets, provide better linkages to the train station, and open up plots for development.



Project Duration: 2013 - 2014

Total Budget: \$380,000

Nelson\Nygaard Budget: \$80,000

For more information: City of
New Rochelle Department of
Development
515 North Avenue
New Rochelle, NY 10801

Contact:

Luis Aragon, Commissioner
914-654-2182

laragon@newrochelleny.com

Metuchen Parking Management Plan

METUCHEN, NY

The Borough of Metuchen is one of 28 designated Transit Villages in the state of New Jersey. Yet, for most of its history, downtown parking management has focused on providing ample park-and-ride capacity to support one of the busiest, non-terminal, commuter rail stations in the state. The Metuchen Parking Authority hired Nelson\Nygaard to conduct a downtown parking study to identify strategies to refocus parking management on several, largely neglected objectives, including Transit-Oriented Development, curbside management to support local businesses, and multimodal investments to expand access while reducing parking demand.

Nelson\Nygaard conducted a full inventory of off-street and curbside parking resources, itemized by pricing, time-limits, and other regulatory characteristics. A series of occupancy surveys followed, which revealed that, even at peak-demand, supply is more than enough to meet demand. Mapping this information, however, made clear that demand was concentrated in a few locations, creating common perceptions of supply constraints. Recommendations, therefore, began with pricing and other demand management measures to redistribute demand more evenly across the downtown and free up spaces within its core. The revenue-positive potential of these recommendations was also identified as an opportunity to fund multimodal improvements to ease parking demand, a series of which was identified in the final Parking Management Plan.

Upon formal approval of the PMP, the Parking Authority identified the following recommendations for immediate implementation:

- Invest in new meter technology, including pay-by-phone
- Invest in information, wayfinding, and branding
- Standardize and refine regulatory signage
- Create a Downtown Parking Map
- Create consistent, customer-focused enforcement
- Advocate for Complete Street investments in Downtown



The full PMP was approved by the Metuchen Parking Authority and is now the blueprint for parking management for the borough's parking authority. Nelson\Nygaard is currently implementing a recommendation to deploy a mobile phone payment option for on-street parking.

Project Duration: 2013–2014

Nelson\Nygaard Budget: \$44,000

For more information:

Metuchen Parking Authority
25 Pearl Street
Metuchen, NJ 08840

Contact:

Sean Massey
Commissioner
732-632-8540
smassey33@gmail.com

South Grand Boulevard Road Diet

ST. LOUIS, MO



American Society of Landscape
Architects
Honor Award

Nelson\Nygaard, on a team led by Design Workshop, produced a corridor master plan which included a “road diet” for a six block section of South Grand Boulevard. The work was part of the Great Streets Initiative and included economic, traffic, parking, streetscape, landscape, wayfinding, and public engagement components. Construction was completed in 2011.

Nelson\Nygaard prepared the initial conceptual designs and followed through to construction drawing support. Key elements included transitioning the street from four lanes to three, redesigning intersections, mapping bicycle routes, documenting pedestrian behavior, adding crosswalks, adjusting signal timing, and working with the Missouri School for the Blind to incorporate specific needs of their students. The work prioritized retail uses, transit, and safety over through traffic, which was seen as a hindrance to economic activity and quality of life.

Nelson\Nygaard performed the traffic analysis, including video simulations, which predicted the success of the road diet. As a pilot, the city restriped the road with three lanes and demarcated the curb extensions with colorfully painted concrete planters. Before and after analysis of the traffic showed very little change in volume, but noticeable speed and noise reductions.

Nelson\Nygaard led the parking element, conducting a series of field surveys to document utilization patterns. Surveys revealed modest periods of constraint—primarily on-street spaces during evening (dining) hours. Recommendations included sharing parking facilities as part of a Park-Once management approach, setting meter rates based on demand, and extending meter hours to maintain availability during the dinner hour.



Project Duration: 2009 - 2010

Total Budget: \$750,000

Nelson\Nygaard Budget: \$95,000

For more information:

East-West Gateway Council of Governments
One South Memorial Drive, STE 1600
St Louis, MO 63102
www.ewgateway.org/greatstreets/greatstreets.htm

Contact:

Mary Grace Lewandowski, AICP
Transportation Planner
314-421-4220 x294
marygrace@ewgateway.org

RELEVANT EXPERIENCE – BRENDELE GROUP

Fremont County, Idaho Western Greater Yellowstone Sustainability Indicators

REFERENCE CONTACT: Tom Cluff, Planning and Building Administrator, St. Anthony, Idaho, (208) 624-4643 tcluff@co.fremont.us

Year Completed: 2015

Contract Amount: \$74,000

Personnel: David Wortman, Judy Dorsey, Conor Merrigan, Shelby Sommer

Toledo/Lucas County Ohio Going Beyond Green Regional Sustainability Plan

REFERENCE CONTACT: Melissa Greene, Board of Lucas County Commissioners, (419) 213-4530, mgreene@co.lucas.oh.us

Year Completed: 2014

Contract Amount: \$140,000

Personnel: David Wortman, Becky Fedak, Shelby Sommer, Judy Dorsey

Albany, NY Capital Region Sustainability Plan

REFERENCE CONTACT: Douglas Melnick, Chief Sustainability Officer, City of San Antonio (formerly Albany), (210) 207-6103, douglas.melnick@sanantonio.gov

Year Completed: 2012

Contract Amount: \$25,000

Personnel: David Wortman, Becky Fedak, Judy Dorsey

Western Greater Yellowstone Regional Sustainability Plan, Idaho and Wyoming (2013-Ongoing)



Brendle Group is working with the Western Greater Yellowstone Consortium - consisting of four counties and several communities across a two-state region west of Yellowstone National Park – to help develop a Regional Plan for Sustainable Development (RPSD). Specifically, Brendle Group is leading up the development of sustainability indicators to engage the region’s stakeholders in the development of a vision and goals for the RPSD and to identify measures of performance at the system, specific goal, and rapid feedback levels. As part of the process, the firm is drawing from its knowledge of sustainability plans across the country (regional and local levels) and interfacing with the overall project Steering Committee and an Indicators Advisory Team to brainstorm, filter, and select indicators. A wide variety of specific topics will be included in the indicators development process, from environmental stewardship and economic development to social well-being and how well the region’s local governments are collaborating in planning and implementation.

Toledo-Lucas County, Ohio Regional Sustainability Plan (2013-Ongoing)



Brendle Group is working with the Toledo-Lucas County Sustainability Commission (TLCSC) to develop the region’s first sustainability plan. Led up by the TLCSC, the plan is funded and supported by several other public and private stakeholders in the region representing manufacturing, health care, local government, and higher education. The firm has helped develop an overall framework for sustainability and has facilitated numerous work sessions with the TLCSC, various topic-specific sub-groups, other stakeholders, and municipalities in the region to develop draft strategies and key performance measures for the plan. Other issues that will be addressed include specific implementation pathways, a governance structure for the plan, and how to align local and regional planning efforts. The plan is comprehensive in nature, organized into three systems – natural, social, and economic - encompassing all three aspects of the triple bottom line. It also addresses over 40 specific draft strategies to date covering a broad range of issues such as water quality, land use, transportation, economic development, healthy food, equity and diversity, and others.

Albany, New York Capital Region Sustainability Plan (2012-2013)



Brendle Group helped to develop a sustainability plan for the 8-county Capital District Region of New York State. Funded with a grant from the New York State Energy Research and Development Agency (NYSERDA), the plan addresses a wide range of topics across the region, from transportation and land use to economic development, energy, water, waste and climate adaptation. Brendle Group led development of sustainability indicators for the Plan, working with a series of technical committees and the Executive Committee to review, synthesize, and

prioritize indicators. Brendle Group also led up the evaluation of governance issues for the Plan, including identifying responsible parties and implementation steps for each of the plan's 29 specific initiatives as well as conducting a cross-initiative analysis to identify synergies and potential conflicts among initiatives. <http://sustainablecapitalregion.org/full-report>

TEAM COMPOSITION



Project Coordinator and Lead Consultant
Planning, Landscape Architect, SEQRA and Public Participation
Johan Behan, AICP - Principal and Lead Contact
Cynthia Behan, RLA - Principal and Landscape Architect
Michael Allan - Senior Associate / Project manager
Kara Smith, Planner and Designer



Transportation Planning and Traffic Analysis
David Fields, AICP – Principal, Primary Contact
Larry Gould – Principal and Transit Planner
Rachel Weinberger, PhD – Transportation Analysis



Economic Development and
Performance Benefits Metrics Report
Judy Dorsey, PE LEED-AP CEM – President and Principal Engineer
David Wortman, LEED-AP BD+C – Principal and Primary Contact
Rebecca Fedack, PE MBA – Engineer
Shelby Sommer, AICP, LEED-AP – Planner
Conor Merrigan, CEM, LEED-AP – Planner II

PROJECT APPROACH

The Village of Nyack is embarking on an effort to achieve new levels of sustainability and connectivity through a variety of efforts, including updates to the Comprehensive Plan and zoning which would enable new multi-modal transportation and sustainable neighborhood design.

Behan Planning and Design has assembled a planning team specifically to address all aspects of the work required to implement these goals. Our team has managed many similar projects from conceptual planning through implementation, and is very familiar with NYSERDA-sponsored programs. The following outlines our anticipated project scope and approach to the work for the village.

Project Overview. Throughout the project, our team will coordinate with the Village Administrator, the Village Planner, the village Sustainability Coordinator and the selected Steering Committee members on a regular basis. Behan Planning and Design shall act as lead for the work, managing the project and coordinating with staff from Nelson\Nygaard and Brendle Group. Team members shall also participate in regular conference calls, meetings and prepare progress reports to NYSERDA as required for the grant. We have budgeted for six meetings with the Steering Committee, as well as a final presentation to the village.

Project Initiation. At the beginning of the project, selected team members including the Project Manager Michael Allen will meet with village officials and representatives for a Project Kickoff Meeting. This meeting will be used to introduce everyone to the team and review the scope, deliverables and milestones anticipated. During this time, we will also begin collecting all necessary village data, reports and maps, and spend time to tour the village and waterfront to familiarize ourselves with the area as much as possible. The existing village Comprehensive Plan, zoning, sustainability reports and other related material will be studied to understand all of the prior work which has been developed leading up to this point. We have budgeted for our staff to spend a full day meeting with village officials and touring the area.



Public Outreach. Early in the planning process our team will coordinate with the village to develop a detailed Public Outreach Strategy. This strategy will outline the process and methods best suited toward engaging the public to participate in the decision making process, including the creation of the Steering Committee and the format of anticipated public meetings. Behan Planning and Design has a high-degree of experience organizing and facilitating public meetings, interactive workshops, design charrettes and stakeholder interviews.

The outreach strategy will include the number and format of meetings, suggested advertisement methods and will be submitted for review and approval to NYSERDA as soon as possible to begin work. For this proposal, we have budgeted time for our staff to organize and facilitate four public workshops and three design charrettes. In addition, over the course of the project draft deliverables will be provided to the village for hosting on the village Web site for the purposes of continued public review and interaction.

**Clifton Park Town Center
Zoning Workshops**

Residents are invited to attend a series of workshops to learn about the new form-based zoning that is being proposed for Clifton Park's commercial core. Comments and suggestions will be incorporated in the planning process.

This initiative will implement the Clifton Park Town Center Plan, which can be accessed via a link on the town web site: Cliftonpark.org

Where: Clifton Park-Halfmoon Public Library, 475 Moe Road
When: March 6th, 7th & 8th

Wednesday March 6th	Thursday March 7th	Friday March 8th
6:30 pm - 8:30 pm <i>Public Workshop</i>	All Day <i>Workshop / Meetings</i>	4 pm - 6 pm <i>Open House</i>
Introductory presentation about the Town Center planning effort that has been underway. Opportunity to learn about the form-based zoning codes being considered. All residents are invited to attend, ask questions and make suggestions.	The design team will create draft codes and will conduct meetings with specific Town Center landowners during this time. However, residents are welcome to stop by and ask questions.	Come and review the preliminary form-based zoning concepts which are being created by the planning team. All residents are invited to attend, ask questions and make suggestions.

Questions? Contact Planning Staff at 371-6054 or email planning@cliftonpark.org

Example of poster created to announce upcoming public workshops for one of our clients.

Public Involvement and Web-Based Platform. We anticipate that there will likely be a high-level of public interest in this project, or specific portions of it. Toward that end, we offer to incorporate the development and hosting of a dedicated project web site, accessed through the village's home page, via **MindMixer**, a web-based platform specifically designed to solicit and manage public input on community planning projects. We believe that this platform helps to extend the public outreach to a wider and more diverse audience, and helps increase participation.

Nyack Design Charrettes. Each of the three charrettes will be planned for hands-on community involvement. Toward that end, our experienced team of facilitators, supported by the village team will:

- Provide supporting photographs, maps, images and data for use by participants.
- Create a customized agenda responsive to the specific issues to be addressed.
- Deploy engagement techniques such as visual preference surveys, conceptual design development with our design team members, facilitated round-table conversations.



Analysis and Evaluation. Team members will review the relevant adopted plans, studies and zoning of the village with regards to future plans and goals for sustainability, transportation, transit-oriented development and waterfront redevelopment. The observations and findings from this review will be documented in an Evaluation Report to identify recommended changes which should be considered as part of the project.

The existing zoning code will be evaluated by team members specifically in relation to the manual for Sustainable Neighborhoods LEED-ND to identify alterations which need to be made to support sustainable policies.

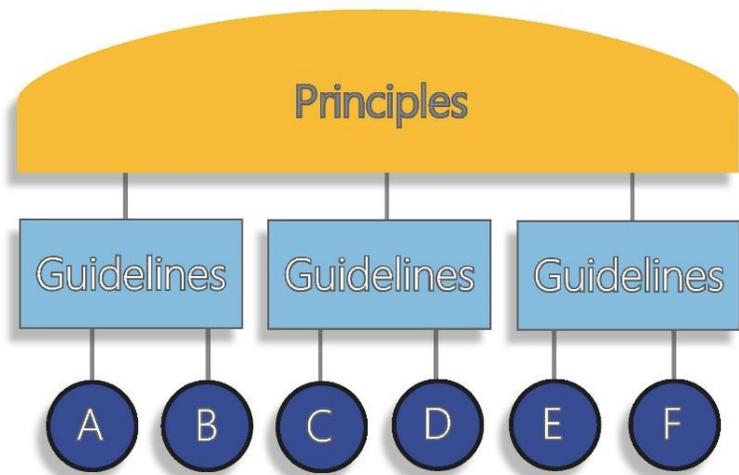
As part of this work, our team will develop specific sustainable development goals, measurement indicators and a preliminary Project Benefits Metrics Report for review and finalization. These indicators and metrics will be used to measure performance improvements, and will eventually be integrated into the new Village Comprehensive Plan for use well into the future.

It is anticipated that new chapters will be amended into the Updated Comprehensive Plan, covering specific topics including Sustainable Development; Transportation; and the Waterfront.

Section 3: Future and Long Term Transformation Benefits				
Type	Metric	by 5 years	by 15 Years	by 30 Years
RPM	Construction Jobs Created (FTE)	100	1600	1900
RPM	Permanent Jobs Created (FTE)	50	200	400
RPM	NYSERDA CGC Investment (\$)	200,000	---	---
RPM	Investment by Others (matching and leveraged)	50,000	30,000,000	80,050,000
RPM	Conventional Energy Savings (MMBTU/year)	N/A	N/A	N/A
RPM	Natural Gas (therms/year)	N/A	N/A	N/A
RPM	Grid Electricity (KWh/year)	N/A	N/A	N/A
RPM	Gasoline Savings (gallons / year)	1,036.3 gallons / year	32,125.3 gallons / year	42,488.3 gallons / year
RPM	Diesel Savings (gallons / year)	N/A	N/A	N/A
RPM	Fuel Oil Saving (gallons / year)	N/A	N/A	N/A
RPM	Conventional Energy Cost Savings (\$ / year)	N/A	N/A	N/A
RPM	GHG Savings (MTCDE / Year)	11.16 MTCDE / Year	345.91 MTCDE / Year	457.50 MTCDE / Year
SCM	Number of New Housing Units Near Public Transportation	5	155	205
SCM	Number of new LEED or Certified Buildings	3	5	8
SCM	Vehicle-Miles-Traveled (VMT) reduced	22,725 miles / year	704,475 miles / year	931,725 miles / year

Performance Metrics and Integrate Existing and New Sustainability Policies. The Brendle Group can provide guidance on additional sustainability policies and measures which the village may want to incorporate into the new code.

Draft & Final Comprehensive Plan Update. Based on the analysis, findings and public input, a Draft Comprehensive Plan Update will be developed. This update will incorporate all of the findings and recommendations of the project to-date, as well as refresh important data on demographics, housing, social-economic trends and infrastructure. This update will be provided in a “redline/greenline” format which clearly illustrates what is proposed to be added and removed from the original plan for ease of understanding. A separate outline of recommended zoning or other local law changes will also be provided for preliminary consideration. After review with village officials and the Steering Committee, the Draft Update will be provided for public review and comment.



Principal-based Plan for Nyack: The Nyack Plan will be designed and organized around an established series of sustainability principles. These help to guide the specific rules of the code, provide flexibility, and help the reviewing boards focus on what is most important.

Draft Zoning Code Updates. Once the Comprehensive Plan Update has been finalized, the recommended zoning changes reviewed in the previous tasks will be formalized into draft edits and language. Similar to the Comprehensive Plan edits, any alterations to existing code would be provided to the village in a “redline/greenline” format to clearly illustrate what is proposed to be added and removed from the local law. After review and adjustment of the language, the final proposed zoning alterations would then be provided in Local Law format in preparation for adoption.

Capability to Coordinate Project Deliverables. Managing a diverse group of professional consultants is a specialty of Behan Planning and Design. For the past two decades we have been the prime consultant on many similar projects—often managing team members from larger national/international multi-disciplinary firms. We have a project management structure that we have development and fine-tuned over these past 20 years that clarifies the roles of both our internal management team, the other members of our team and the client organization. Our team has deep expertise in range of topics that will be required for the project deliverables.

PROJECT SCHEDULE

VILLAGE OF NYACK - COMPREHENSIVE PLAN UPDATE PROPOSED SCHEDULE

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
Task 1 1 - Contract Management	*		*		*		*		*	*	*	
Task 2 2 - Public Outreach Strategy												
Task 3 3 - Evaluate Current Plans, Zoning Regulations												
Task 4 4 - Public Workshops			◇	◇		◇						
Task 5 5 - Design Charrettes				◇	◇	◇						
Task 6 6 - Zoning Code Evaluation												
Task 7 7 - Comprehensive Plan Update												
Task 8 8 - Zoning Code Updates												
Task 9 9 - Planning and Environmental Review												
Task 10 10 - Presentation to Village Board											◇	
Task 11 11 - Final Adoption of Updates												

Behan Planning Team
 Public / Municipal Review Period
 Public Workshop / Public Presentation
 Municipal / Committee Meetings

PROJECT BUDGET

VILLAGE OF NYACK - COMPREHENSIVE PLAN UPDATE													
Proposed Budget	Behan Planning and Design				Nelson\Nygaard			Brendle Group			Hours	Task Total	
	Cynthia Behan, President, Senior Landscape Architect	John Behan, Principal Planning	Michael Allen, Senior Associate / Project Manager	Kara Smith, Landscape Designer / Planner	David Fields, Principal	Larry Gould, Principal	Rachel Weinberger, Principal	Judy Dorsey, President	David Wortman, Program Manager	Shelby Sommer, Planner			
Project Tasks	Billing Rate	\$150	\$150	\$120	\$90	\$210	\$170	\$225	\$190	\$130	\$140		
1 - Contract Management	6	12	75		12					12		117	\$15,780
2 - Public Outreach Strategy		12	35	4		8			2			61	\$8,100
3 - Evaluate Current Plans, Zoning Regulations	4	24	60	8	12	10	4		2	10	8	142	\$20,040
4 - Public Workshops		35	75	40	30					30		210	\$28,050
5 - Design Charrettes	30	4	65	30			15				30	174	\$23,175
6 - Zoning Code Evaluation		15	55		2	15	5	2	15	20		129	\$18,075
7 - Comprehensive Plan Update	6	35	125	45	24	18	10	2	30	15		310	\$41,930
8 - Zoning Code Updates		24	85						10	30		149	\$19,300
9 - Planning and Environmental Review		15	65	18		8			8			114	\$14,070
10 - Presentation to Village Board			25	10	4							39	\$4,740
11 - Final Adoption of Updates		5	22	10								37	\$4,290
												0	\$0
												0	\$0
Total hours	46	181	687	165	84	59	34	8	115	103		1482	
Per person cost	\$6,900	\$27,150	\$82,440	\$14,850	\$17,640	\$10,030	\$7,650	\$1,520	\$14,950	\$14,420			

Notes:	Subtotal	\$197,550
	<i>Printing, Postage Expenses</i>	\$1,900
	<i>Travel Expenses</i>	\$3,800
	<i>MindMizer Services</i>	\$2,000
	TOTAL	\$205,250

APPENDIX

Team Resumes

JOHN J. BEHAN, AICP

Principal - Planning



John J. Behan has been a planner for over 25 years and has earned a reputation for the ability to guide a community in its vision to a workable solution. Mr. Behan's work, which he considers creative collaborations with his clients and their constituencies, has been recognized with several national planning and conservation awards. His professional practice emphasizes turning knowledge into action and includes public involvement as integral to successful land and community planning initiatives. His experience includes environmental reviews under NEPA, SEQR, and MEPA, comprehensive planning at a municipal, multi-community, and regional scale, waterfront revitalization, greenway and open space, and resource conservation planning, grant writing, and economic development planning projects.

EDUCATION

University of Massachusetts, Amherst, MA,
Master of Regional Planning, February,
1983, Emphasis in recreation and natural
resource management and economic
development planning

State University of New York, Plattsburgh,
NY, Bachelor of Arts, Environmental
Science, cum laude, 1979

Syracuse University, Syracuse, NY, Liberal
Arts studies, 1976

PROFESSIONAL EXPERIENCE

Principal, Behan Planning and Design,
Saratoga Springs, New York, 1994-
Present

Adjunct Professor, State University of New
York, Albany, New York, 1993-Present

Senior Planner, Principal, The Saratoga
Associates, Saratoga Springs, New York,
1987-1994

Community Development Planner, Senior
Planner, and Deputy Planning
Coordinator, City of Fitchburg, Fitchburg,
Massachusetts, 1983-1987

Research Assistant and Editor, Water
Resources Research Institute, University of
Massachusetts, Amherst, Massachusetts,
1980-1983

PROFESSIONAL AFFILIATIONS

American Institute of Certified Planners
American Planning Association
New York Planning Federation
Land Trust Alliance of New York

PROJECT EXPERIENCE

COMPREHENSIVE PLANNING, ZONING & DESIGN GUIDELINES

TOWN OF AMHERST, NY - Traditional Neighborhood Zoning project

TOWN OF BEEKMAN, NY – Comprehensive Plan and Generic EIS

TOWN OF BENNINGTON, NY – Zoning Review

TOWN OF BIG FLATS, NY – Architectural Design Guidelines & Zoning
Updates

CITY OF BURLINGTON, VT - Comprehensive Zoning Ordinance Revision

TOWN OF CANANDAIGUA, NY - Special Zoning District Creation and
Generic EIS

TOWN AND VILLAGE OF CAZENOVIA, NY - Cazenovia Area Planning Project

TOWN OF CHESTER, NH – Zoning Update

TOWN OF CLARKSTOWN, NY - New City Form-Based Zoning Code

TOWN OF CLARKSTOWN, NY – West Nyack Zoning Update

TOWN OF CLIFTON PARK, NY – Form-Based Zoning Code

TOWN OF CLIFTON PARK, NY - Land Conservation Plan and Generic EIS
(subconsultant)

TOWN OF DRYDEN, NY – Zoning Revision and Design Guidelines

TOWN OF EAST GREENBUSH, NY – Comprehensive Land Use Plan
(subconsultant)

TOWN OF GUILDERLAND, NY – Comprehensive Plan & Implementation
Services

TOWN OF HALFMOON, NY - Town Center Master Plan

TOWN OF HALFMOON, NY – Comprehensive Plan Presentation on "Livable
Communities" (subconsultant)

TOWN OF LERAY, NY - Comprehensive Plan and Design Guidelines
(subconsultant)

TOWN OF LONDONDERRY, NH - Master Plan Update and Zoning, Town
Center Vision Plan

TOWN OF MILTON, NY - Comprehensive Plan and Generic EIS

TOWN OF PITTSFORD, NY – Town Comprehensive Plan Update

TOWN OF PITTSFORD, NY - South of the Thruway Comprehensive Plan
Update and Zoning

TOWN OF PITTSFORD, NY - Update to the Comprehensive Plan and Zoning
Code

TOWN OF PITTSFORD, NY – Residential Neighborhood Zoning and Design
Guidelines

VILLAGE OF RHINEBECK, NY - Revised Zoning Code

JOHN J. BEHAN, AICP

Continued

NATIONAL AWARDS

National Award for Planning. The American Planning Association, Chicago, IL and Washington, DC For The Pittsford Greenprint Initiative, by John J. Behan, AICP for the Town of Pittsford, NY.

Waterfront Planning. The Waterfront Center, Washington, DC, for Horizons Action Plan for Erie County Waterfront, by The Saratoga Associates, John Behan, Project Manager.

DuPont Greenway Award. The National Geographic Society, The Conservation Fund, Washington DC, and Arlington, VA, for the Upper Hudson Greenway and the Salmon River Greenway, by The Saratoga Associates, John Behan, Project Manager.

SPEAKING ENGAGEMENTS

New York State Association of Towns. (2009), *Creative Community Land Use Tools: Incentive Zoning and Transfer of Development Rights (TDR)*

North Country Local Government Conference, 20th Anniversary Gathering (Watertown, 2009), Design Guidelines: What they are and How to use them?

Saratoga County Planning Conference (Saratoga, 2009), *Creative Community Land Use Tools: Incentive Zoning and Transfer of Development Rights (TDR)*

New York State Government Finance Officers Association, Special Training Workshop (2008), Successful Grant Proposals: Getting Ahead of the Game

New York State Metropolitan Planning Organization (Niagara Falls, 2008), *Transportation Drives Land Use*

New York State Department of Transportation, *Transportation in the Regional Landscape (2007), Community involvement is a contact sport*

Planning for a Future for Farms: In Rensselaer, Saratoga, & Washington Counties (2006), *Fiscal Impact Model for a Community*

PROJECT EXPERIENCE, continued

COMPREHENSIVE PLANNING, ZONING & DESIGN GUIDELINES, CONT.

TOWN OF ROSENDALE, NY - Planning and Zoning Services

TOWN OF WALKKILL, NY - Comprehensive Zoning Amendments

TOWN OF WALKKILL, NY - Comprehensive Plan Update and Zoning Revision

TOWN OF WALKKILL & CITY OF MIDDLETOWN, NY - Natural Hazard Mitigation Plan

VILLAGE OF WILLIAMSVILLE, NY - Comprehensive Plan

NEIGHBORHOOD REVITALIZATION & MASTER PLANS

CITY OF ALBANY, NY - Arbor Hill Neighborhood Plan

CITY OF ALBANY, NY - Upper New Scotland Avenue – Krumkill Road Neighborhood Plan

ALBANY COUNTY, NY - Hudson River Waterfront Strategy

TOWN OF BEEKMAN, NY - Town Center Park Master Plan

TOWN OF CLARKSTOWN, NY - New City Vision Plan

TOWN OF CLARKSTOWN, NY - West Nyack Vision Plan

TOWN OF CLERMONT, NY - Clermont Hamlet Vision Plan

TOWN OF CLIFTON PARK, NY – Town Center Master Plan (Capital District Transportation Committee)

VILLAGE OF COPENHAGEN, NY - Downtown Community Design Plan

CITY OF FITCHBURG, NY - Lower Main Street Revitalization

TOWN OF GUILDERLAND, NY – Guilderland Hamlet Neighborhood Plan (Capital District Transportation Committee)

TOWN OF GUILDERLAND, NY - Neighborhood Master Plan for the Guilderland Center Hamlet (Capital District Transportation Committee)

TOWN OF HALFMOON, NY - Town Center Master Plan

TOWN OF MALTA, NY - Affordable Housing Study

TOWN OF MILTON, NY - Town Center Master Plan

RENSELAER COUNTY, NY - Bon Acre Hamlet

CITY OF SCHENECTADY, NY - Hamilton Hill Housing and Neighborhood Revitalization Strategy (The Community Builders, Inc)

CITY OF WATERTOWN, NY - East Side Neighborhood Improvement District

TRANSPORTATION & CORRIDOR PLANNING

CITY OF ALBANY, NY - Upper New Scotland Avenue / Krumkill Road Neighborhood Plan

TOWN OF CANANDAIGUA, NY – Southern Corridor Study: Development, Transportation and Conservation Strategy

TOWN OF CLERMONT, NY - Hamlet District and Route 9 Corridor Area Plan

TOWN OF EAST GREENBUSH, NY - Route 4 Corridor Study (Capital District Transportation Committee)(subconsultant)

TOWNS OF GUILDERLAND/PRINCETOWN, NY - Route 20 Land Use and Transportation Study (Capital District Transportation Committee)

CITY OF SARATOGA SPRINGS, NY – Weibel Avenue-Gilbert Road Study (Capital District Transportation Committee)

CITY OF SARATOGA SPRINGS, NY - Lake Avenue Country Gateway: Vision and Recommendations (Capital District Transportation Committee)

ULSTER COUNTY, NY – New Paltz Intermodal Feasibility Study

CYNTHIA A. BEHAN, RLA

President – Landscape Architect

NYS License 0011

NYS Certified Woman-Owned Business Enterprise (WBE) and
Disadvantaged Business Enterprise (DBE)



Ms. Behan is a landscape architect licensed to practice by the New York State Education Department as well as a certified WBE/DBE providing landscape architectural planning and design services. Over the years, Ms. Behan's experience has included the full spectrum of practice from master planning to designing commercial projects, parks, trails, waterfront and other recreational planning and design commissions. More recently she has completed streetscape and park design work through the construction document phase. She brings her background in biology and ecology and understanding of plant materials into her practice at the site, neighborhood, and community scale.

EDUCATION

University of Massachusetts, Amherst, MA,
Master of Landscape Architecture, May
1983

University of Massachusetts, Dartmouth,
MA, Bachelor of Science: Biology, June
1977

PROFESSIONAL EXPERIENCE

Landscape Architect and Open Space
Planner, Independent Practice, Saratoga
Springs, NY, 1989-Present

Project Director, Saratoga Springs Open
Space Project (Saratoga PLAN), 1991-
1998

Landscape Architect and Project
Manager, Gerow Associates, Saratoga
Springs, NY, 1988-1989

Land Planner, Landscape Architect and
Project Manager, Greenmeadow Golf
Club and Development Company,
Hudson, NH, 1987-1988

Landscape Architect and Project
Manager, Urban Design Associates,
Bedford, NH, 1985-1987

Planner in Community Development
Division, City of Nashua, NH, 1984-1985

PROFESSIONAL AFFILIATIONS

ASLA America Society of Landscape
Architecture

PROJECT EXPERIENCE

COMPREHENSIVE PLANNING, ZONING & DESIGN GUIDELINES

TOWN OF CLARKSTOWN, NY - West Nyack Zoning Update

TOWN OF CLIFTON PARK, NY - Open Space Plan

TOWN OF CLIFTON PARK, NY - Land Conservation Plan and Generic
Environmental Impact Statement

TOWN OF MALTA, NY - Affordable Housing Study

TOWN OF PITTSFORD, NY - Resource Inventory and Evaluation System

TOWN OF PITTSFORD, NY - Greenprint for Pittsford's Future

TOWN OF PITTSFORD, NY - Monroe Avenue Commercial Design Guidelines
and Corridor Management

TOWN OF PITTSFORD, NY - Monroe Avenue Transition Zone Design
Guidelines

TOWN OF PITTSFORD, NY - South of the Thruway Comprehensive Plan
Update and Zoning

TOWN OF WALLKILL, NY - Design Guidelines for Conservation Subdivision
Regulations

NEIGHBORHOOD REVITALIZATION & MASTER PLANS

CITY OF ALBANY, NY - Arbor Hill Neighborhood Plan

CITY OF ALBANY, NY - Upper New Scotland Avenue / Krumkill Road
Neighborhood Plan

TOWN OF BEEKMAN, NY - Town Center Park Master Plan

TOWN OF CLARKSTOWN, NY - New City Vision Plan

TOWN OF CLARKSTOWN, NY - West Nyack Vision Plan

TOWN OF CLARKSTOWN, NY - West Nyack Revitalization Design

TOWN OF CLARKSTOWN, NY - Central Nyack Drainage Project

TOWN OF CLARKSTOWN, NY - Central Nyack Streetscape Design

TOWN OF CLERMONT, NY - Hamlet District and Route 9 Corridor Area Plan

TOWN OF CLIFTON PARK, NY - Town Center Master Plan (Capital District
Transportation Committee)

VILLAGE OF COPENHAGEN, NY - Downtown Community Design Plan

TOWN OF DRYDEN, NY - Varna Community Development Plan

TOWN OF GUILDERLAND, NY - Neighborhood Master Plan for the
Guilderland Center Hamlet (Capital District Transportation
Committee)

CYNTHIA A. BEHAN, RLA

Continued

PROJECT EXPERIENCE, continued

NEIGHBORHOOD REVITALIZATION & MASTER PLANS, CONT.

TOWN OF HALFMOON, NY - TOWN CENTER MASTER PLAN
TOWN OF LONDONDERRY, NH - MASTER PLAN UPDATE AND ZONING,
TOWN CENTER VISION PLAN
TOWN OF MILTON, NY - TOWN CENTER MASTER PLAN
TOWN & VILLAGE OF PITTSFORD, NY - ERIE CANAL MASTER PLAN AND
LWRP
TOWN OF PITTSFORD, NY - ERIE CANAL PARK MASTER PLAN
RENSSELAER COUNTY, NY - BON ACRE HAMLET NEO-TRADITIONAL
VILLAGE MASTER PLAN
TOWN AND VILLAGE OF TUPPER LAKE, NY - REVITALIZATION STRATEGY
AND ACTION PLAN
TOWN OF WESTFIELD, NY - STREETScape REVITALIZATION FEASIBILITY
STUDY

TRANSPORTATION & CORRIDOR PLANNING

TOWNS OF GUILDERLAND/PRINCETOWN, NY - Route 20 Land Use and
Transportation Study (Capital District Transportation Committee)
TOWN OF MOREAU, NY - Exit 17 / Route 9 Corridor Land Use and
Transportation Study
CITY OF SARATOGA SPRINGS, NY - Weibel Avenue-Gilbert Road Study,
(Capital District Transportation Committee)

PARKS, TRAILS & RECREATION

ALBANY ROWING CENTER - Community Boathouse Study, Albany, NY
TOWN OF MILTON, NY - Recreation and Open Space Plan
VILLAGE OF POTSDAM, NY - Raquette River Recreation Program
CITY OF SARATOGA SPRINGS, NY - Waterfront Park Programming and
Feasibility Study
CITY OF SARATOGA SPRINGS, NY - Open Space Planning and Land
Acquisition
FRIENDS OF SARATOGA BATTLEFIELD - Wilkinson Trail Improvements,
Stillwater, NY (National Park Service, Saratoga National Historic
Park)

DESIGN

CITY OF ALBANY, NY - Landscape Design Services for Albany Public Libraries
(Dormitory Authority of the State of New York)
TOWN OF CHESTER, NY - Pottersville Streetscape Enhancements
TOWN OF CHESTER, NY - Chestertown Streetscape Enhancements
TOWN OF CLARKSTOWN, NY - Congers Road Streetscape Revitalization
TOWN OF CLARKSTOWN, NY - South Main Streetscape Revitalization
TOWN OF CLARKSTOWN, NY - Central Nyack Drainage Project
TOWN OF CLARKSTOWN, NY - Central Nyack Streetscape Revitalization
TOWN OF CLIFTON PARK, NY - Town Center Gateway Median
PRIVATE CLIENT, MILTON, NY - Conservation Subdivision Design
TOWN OF WESTFIELD, NY - Barcelona Harbor Pier Improvements
PRIVATE CLIENT, WINDHAM, NY - Land Development Feasibility Study

MICHAEL B. ALLEN

Senior Associate – Urban Planner



As a degreed architect, Mr. Allen has worked for noted international firms including Skidmore Owings Merrill, P.C. in London; Einhorn Yaffee Prescott, A/E, P.C. in Albany, N.Y.; as well as preservation architects Badger & Associates in Manchester, VT. With a strong personal interest in community revitalization and land use planning projects, Mr. Allen began his independent planning consulting practice in 2002 with the formation of Bailliere Consulting where he was Principal until joining Behan Planning and Design. His areas of expertise include land use planning, zoning code updates, development reviews and the creation of illustrated design standards and form-based zoning codes. Mr. Allen currently serves on the Village of Round Lake Zoning Board, and previously served on the Planning Board of his hometown in Dorset, VT before moving to New York State.

EDUCATION

Syracuse University, Syracuse, New York,
Bachelor of Architecture, Syracuse
University School of Architecture, 1993

PROFESSIONAL EXPERIENCE

Senior Planner, Behan Planning and
Design, Saratoga Springs, New York,
2007-Present

Principal, Bailliere Consulting, Saratoga
Springs, New York, 2002-2007

Project Architect/Project Manager,
Einhorn Yaffee Prescott, A/E, Albany, New
York, 2000-2002

Project Architect, Foit-Albert Associates,
Albany, New York, 1999-2000

Architect, O'Connor & March Architects,
Albany, NY, 1997-1999

Designer, Brandt-Poost Architects, East
Greenbush, NY, 1995-1997

Draftsman, Badger & Associates,
Manchester, Vermont, 1993-1994

Draftsman, Skidmore Owings Merrill, P.C.,
London, England, 1991

PROFESSIONAL AFFILIATIONS

American Planning Association

New York Planning Federation

American Institute of Architects

PROJECT EXPERIENCE

COMPREHENSIVE PLANNING, ZONING & DESIGN GUIDELINES

TOWN OF AMHERST, NY - Traditional Neighborhood Zoning Project

TOWN OF BENNINGTON, VT - Commercial Corridor Design Guidelines

TOWN OF CLARKSTOWN, NY - Form-Based Zoning Code

TOWN OF CLARKSTOWN, NY - New City Hamlet Design Guidelines

TOWN OF CLARKSTOWN, NY - West Nyack Hamlet Zoning

TOWN OF CLIFTON PARK, NY - Form-Based Zoning Code

TOWN OF EAST GREENBUSH, NY - East Greenbush Amenities Plan

TOWN OF EAST GREENBUSH, NY - Comprehensive Zoning Update

TOWN OF EAST GREENBUSH, NY - PDD & Conservation Subdivision
Development Reviews

TOWN OF EAST GREENBUSH, NY - Comprehensive Land Use Plan

CITY OF KINGSTON, NY - Midtown Design Standards

CITY OF KINGSTON, NY - Rondout Creek Zoning Update & Design
Guidelines

TOWN OF MANCHESTER, VT - Build Out Analysis

TOWN OF MONTGOMERY, NY - Zoning and Land Use Update

VILLAGE OF NEW PALTZ, NY - Zoning Update

VILLAGE OF NORTH BENNINGTON, VT - Design Guidelines

TOWN OF PITTSFORD, NY - Residential Neighborhood Zoning and Design
Guidelines

TOWN OF ROSENDALE, NY - Zoning Review and Update

TOWN OF WALLKILL, NY - Comprehensive Plan

TOWN OF WALLKILL, NY - Comprehensive Zoning Amendments

TOWN OF WALLKILL, NY - Zoning Update

TOWN OF WALLKILL & CITY OF MIDDLETOWN, NY - Natural Hazard
Mitigation Plan

TOWN OF WALLKILL, NY - Farmland Protection Plan

TOWN OF WALLKILL, NY - Conservation Subdivision Regulations & Design
Guidelines

MICHAEL B. ALLEN

Continued

SPEAKING ENGAGEMENTS

Guest Speaker: NY Association of Town's Conference, 2013 New York City

Guest Speaker: Saratoga County Planning Conference, 2013, Saratoga Springs, NY

Guest Speaker: NY Association of Town's Conference, 2011 New York City

Guest Speaker: NY Planning Federation Conference, 2011 Albany, NY

Guest Speaker: NY Association of Town's Conference, 2011 Syracuse, NY

Guest Speaker: Vermont Historic Preservation Conference, Bennington, VT

Guest Speaker: Saratoga Springs Preservation Foundation, Saratoga Springs, NY

Guest Speaker: Community Workshop on Design Guidelines, Saratoga Springs, NY

COMMUNITY SERVICE

Zoning Board, Village of Round Lake, NY

Volunteer, Rebuild Prattsville, NY

Planning Board, Town of Dorset, VT

PROJECT EXPERIENCE, continued

NEIGHBORHOOD REVITALIZATION & MASTER PLANS

TOWN OF CLARKSTOWN, NY - New City Vision Plan

TOWN OF CLARKSTOWN, NY - West Nyack Vision Plan

TOWN OF CLARKSTOWN, NY - South Main Streetscape Revitalization

TOWN OF CLARKSTOWN, NY - Congers Road Streetscape Revitalization

TOWN OF CLIFTON PARK, NY - Town Center Master Plan

TOWN OF PITTSFORD, NY - Erie Canal Park Master Plan

TRANSPORTATION & CORRIDOR PLANNING

TOWN OF MANCHESTER, VT - Route 30 Corridor Improvements Study

TOWN OF MOREAU, NY - Exit 17 / Route 9 Corridor Land Use and Transportation Study

ULSTER COUNTY, NY - New Paltz Intermodal Feasibility Study

DESIGN

TOWN OF CLARKSTOWN, NY - Congers Road Streetscape Revitalization

TOWN OF CLARKSTOWN, NY - South Main Streetscape Revitalization

TOWN OF CLARKSTOWN, NY - Kevin Landau Park Design

TOWN OF CLARKSTOWN, NY - Central Nyack Drainage Project

TOWN OF CLARKSTOWN, NY - Central Nyack Streetscape Revitalization

TOWN OF CLIFTON PARK, NY - Town Center Gateway Median

DEVELOPMENT REVIEW

TOWN OF BENNINGTON, VT - Development Project Review Services

TOWN OF CLARKSTOWN, NY - Development Project Review Services

TOWN OF EAST GREENBUSH, NY - PDD & Conservation Subdivision Development Reviews

TOWN OF WALLKILL, NY - Development Project Review Services

CITY OF KINGSTON, NY - Development Project Review Services

KARA E. SMITH

Landscape Designer / Planner



Kara Smith has experience in planting/garden design and construction oversight, bicycle and pedestrian facility design, as well as community revitalization projects. She has overseen the planning and facilitation of community meetings, as well as the organization of volunteers to produce a project within the project's timeframe and budget. Her knowledge base also includes marketing and writing, cost estimations, material specifications, and proficiency in numerous computer programs including AutoCAD, InDesign, Illustrator, Photoshop and Sketchup.

EDUCATION

Cornell University, BSLA, Bachelors of Landscape Architecture, May 2010
National University of Ireland, Galway, Geography concentration, Spring 2009

PROFESSIONAL EXPERIENCE

Landscape Designer and Land Planner, Behan Planning and Design, 2011-Present

Cornell Community Partnership Intern, Cayuga Waterfront Trail, Ithaca, NY, 2009-2010

Technical Specialist, BioNova Natural Pools, Hackettstown, NJ, June 2010-November 2011

Sales Associate, Wheatfield Nursery, Centre Hall, PA, March 2011-October 2011

Design Intern, Pennsylvania Downtown Center, Bradford, PA, Summer 2008

PROFESSIONAL AFFILIATIONS

ASLA America Society of Landscape Architecture

PROJECT EXPERIENCE

NEIGHBORHOOD REVITALIZATION & MASTER PLANS

TOWN OF CLAY, NY - Clay Brownfield Opportunities Area Nomination Study

TOWN OF CLARKSTOWN, NY - West Nyack Drainage and Revitalization Strategy

TOWN OF CLIFTON PARK, NY - Form-Based Zoning Code

TOWN OF WESTFIELD, NY - Barcelona Harbor Pier Improvements

PARKS, RECREATION, AND TRAILS

CORNELL COMMUNITY PARTNERSHIP - Cayuga Waterfront Trail

TOWN OF EAST GREENBUSH, NY - Hampton Lake Loop Path Feasibility Study

TOWN OF EAST GREENBUSH, NY - East Greenbush Amenities Plan

CITY OF EDMONTON, CANADA - Borden Park Natural Swimming Pool Feasibility Study

TOWN OF NEW PALTZ, NY - Peace Park Design and Hasbrouck Drainage Improvements

ROCKLAND COUNTY, NY - Dutch Gardens Linkage

VILLAGE OF TUPPER LAKE, NY - Tupper Lake Waterfront Playground

PENNSYLVANIA DOWNTOWN CENTER - Bradford Community Garden

DESIGN

TOWN OF CLARKSTOWN, NY - South Main Streetscape Revitalization

TOWN OF CLARKSTOWN, NY - Central Nyack Streetscape Revitalization

TOWN OF CLIFTON PARK, NY - Clifton Park Gateway Design

TOWN OF CHESTER, NY - Chestertown Streetscape Enhancements

TOWN OF WESTFIELD, NY - Streetscape Revitalization Feasibility Study

David Fields, AICP

Principal



David Fields believes a great community provides transportation choice. With nearly 20 years of transportation planning experience as both a consultant and public sector employee, David's work focuses on transportation planning that supports communities' long-term goals, including multiple modes (heavy rail, light rail, and on-street bus services); parking and park-and-ride facilities; policy (transit-oriented development, Parking Management, and Transportation Demand Management); and environmental review. He is the Immediate Past Chair of the American Planning Association's Transportation Planning Division.

EDUCATION

Master of Urban Planning (concentrations in Transportation and Environmental Planning), New York University, Robert F. Wagner Graduate School of Public Service (1996)
B.A., Geography (concentration in Urban Planning) and Philosophy, State University of New York at Binghamton, Harper College (1994)

EXPERIENCE

Nelson\Nygaard Consulting Associates Inc.

Principal, 2007–Present; Senior Associate, 2005–2007

Multimodal Transportation Planning

- **Public Square Transportation Study (Cleveland, OH) ongoing:** As part of the LAND studio team, leading the analysis of roadway and transit system impacts resulting from the possible closure of the road segments bisecting the larger square.
- **Moving Greater University Circle (Cleveland, OH) ongoing:** Project manager leading a multi-phase effort to identify parking, Transportation Demand Management, transit, pedestrian, bicycle, and vehicle opportunities to help this vibrant education/medical district grow into a complete services community.
- **moveDC Long Range Transportation Plan (Washington, DC) 2014:** Led the transit, pedestrian, bicycle, parking, and TDM elements of Washington DC's 30-year Long Range Transportation Plan.
- **Village Center Transportation Planning Study (Gladstone, MO) 2013:** Project manager for a multimodal transportation plan ensuring that all modes are improved and serve the community, creating an active, interesting place that draws people from Gladstone, Kansas City, and across the region.
- **Vibrant NEO: Regional Planning Services & Project Management, Scenario Planning & Fiscal Impact Analysis for the Northeast Ohio Region (Akron, OH) 2013:** Transportation task manager in providing regional planning services to develop a sustainability plan for the Northeast Ohio region.
- **Central Iowa Region Regional Plan for Sustainable Development (Des Moines, IA) 2012:** Transportation task manager for the transportation element of this plan for the 542-square mile area that includes seventeen communities and parts of four counties in central Iowa. The Tomorrow Plan included an intense public outreach effort that helped identify the region's priorities that included creating a balanced transportation network for all modes and travelers.
- **Southwest Area Study (Raleigh, NC) 2012:** Task manager, as part of the Kimley-Horn project team, led the transit component of this areawide study including transit, parking, and TDM. Working with the Client, the municipalities, and the other project team firms, Nelson\Nygaard helped develop multiple land use scenarios and transportation networks that could accommodate the area's projected growth.
- **Lower Manhattan Car Sharing Pilot Program Evaluation (New York, NY) 2011:** Project manager for Nelson\Nygaard's work as a subconsultant to Arup to evaluate the results of NYCDOT's car sharing pilot project. The analysis determined the pilot project's impacts on vehicle usage and vehicle mileage (VMT), its parking footprint in Lower Manhattan, operational costs, and impact on operations.

- **Town Transportation Study (Essex, CT) 2011:** Transit task manager as part of a transportation and land-use study for the Town, particularly several critical corridors and intersections. The study concluded with a Town-wide transportation strategy with provisions for accommodating projected future growth and localized development/redevelopment.
- **US EPA Smart Growth Technical Assistance (Nationwide) 2010:** Transit, parking and TDM task manager as part of an integrated, multi-disciplinary team which provided technical assistance related to Climate Change Adaptation practices and strategies to the U.S. EPA's Sustainable Communities office. As the team's transportation lead, identified climate change adaptation strategies and actions for creating and maintaining more resilient local and regional transportation networks.
- **St. Louis Great Streets - Manchester Road (St. Louis, MO) 2010:** Transit, parking and TDM task manager for the transportation element of this plan, including transit improvements coordinated with a phased land-use plan so capacity could meet demand and pedestrian and bicycle elements that concentrated on safety.
- **Downtown New Orleans Mobility Study (New Orleans, LA) 2009:** Project manager of efforts to recommend policy and capital improvements to reconnect the four Downtown neighborhoods of New Orleans.
- **Easton Avenue/Main Street Corridor Plan (Somerville, NJ) 2009:** Lead on transit, transit friendly design, and smart growth zoning for this 5-mile corridor connecting multiple New Jersey communities.
- **Jackson Heights Neighborhood Study (Queens, NY) 2009:** Task manager, as a subconsultant to URS, for the pedestrian, bicycle, transit, and parking elements of the Jackson Heights Neighborhood Study, as well as supported the project's intensive community outreach efforts.
- **Yale University Traffic-Transportation Study (New Haven, CT) 2008:** Project manager for Yale University's Transportation Study to reorganize the campus' shuttle system and recommended pedestrian, bicycle, and TDM improvements.
- **Landmark/Van Down Neighborhood Plan (Alexandria, VA) 2008:** Project manager in development of transit, pedestrian, bicycle, parking, and TDM policies for the City of Alexandria's Landmark/Van Dorn Neighborhood Plan.
- **US Route 1-College Park Corridor Analysis (Riverdale, MD) 2007:** Project manager to analyze transit, pedestrian, bicycle, and parking issues in this highly varied corridor.
- **Abu Dhabi Transportation Planning (United Arab Emirates) 2006-2010:** Transportation planner for the Abu Dhabi and Al Ain 2030 Urban Structure Framework Master Plans and the Abu Dhabi Mainland-Airport Master Plan.
- **Old Town Manassas Sector Plan (Manassas, VA) 2006:** Transit, parking and TDM task manager for a three-day public workshop to determine the major transportation priorities needed in this historic downtown. Facilitated technical and non-technical discussions on access and circulation for pedestrians, bicycles, autos, and transit, plus parking policy to maximize utilization and provide an economic benefit to the community.
- **NYC Department of Transportation's Walk to School Pilot Program (New York, NY) 2005:** Task manager for a NYC Department of Transportation-sponsored program that aimed to improve children's health, tackle traffic congestion and pollution, and improve safety surrounding schools.
- **Trenton Transportation Master Plan Phase II (Trenton, NJ) 2005:** Project manager to develop the two-phase Transportation Master Plan. The first phase involved an analysis of the existing transportation network and public outreach. Phase II was concerned with the alignment of the city's existing land use and economic development goals with the Transportation Master Plan and the creation of transportation performance indicators that reflected this alignment.
- **Arlington County Transportation Master Plan (Arlington County, VA) 2005:** Led the parking, TDM, and transit tasks for the plan update to prioritize and focus transit services.

- **Bloomington/Normal Route 51 Main St Redevelopment Plan (Chicago, IL) 2005:** Transit, parking, and TDM task manager in evaluating the existing transportation conditions of the Main Street/Route 51 Corridor between Bloomington and Normal, IL, and recommending a plan to redefine the Corridor as a balanced multi-modal system-vehicular.

Transit

- **Transportation Plan Update (Cary, NC) ongoing:** Transit task manager to help the City of Cary, NC expand their C-Tran transit system with additional (and restructured) routes and hours of operation, to reinforce the community's economic and land use vision.
- **Central Connecticut Rail Study (CT) ongoing:** Transit planning task manager for a market analysis and feasibility study for implementation of fixed-guideway rail or bus transit service in the Central Connecticut Corridor.
- **LaGuardia Airport Transit Access Study (New York, NY) 2012:** Lead transit planner and task leader for developer of alignments to improve transit access to LaGuardia Airport in coordination with NYC Department of Transportation, New York City Transit, and Port Authority of New York and New Jersey.
- **Webster Avenue Select Bus Service Conceptual Design (New York, NY) 2012:** Parking task manager as part of the team designing the Webster Avenue Select Bus Service to improve transit reliability along one of the key corridors in The Bronx. Designed different cross sections to accommodate various amounts of on-street parking, as well as pedestrian access improvements.
- **Inter-County Public Transportation Authority Assessment (Raleigh, NC) 2012:** Financial modeling task manager as part of a team led by Moffat & Nichol to prepare the Community Transportation Service Plan for the Inter-County Public Transportation Authority (ICPTA), a demand-response service covering a five-county area of over 1,000 square miles.
- **Red Hook Streetcar Demand Projection (Brooklyn, NY) 2011:** Task manager for effort to project transit demand for a proposed Streetcar Line in Red Hook, Brooklyn, NY.
- **NC-50 Corridor Planning Project (Raleigh, NC) 2011:** Transit, parking, and TDM task manager as part of a Kimley-Horn Associates-led team to complete a comprehensive study for NC 50. Tasked to identify transportation improvements along the corridor suitable for implementation at the local and state level.
- **General Plan Amendment Transit & Transportation Services (Columbia, MD) 2010:** Transit task manager in drafting a new General Plan, including studies of a transit circulator, a transit center, a bicycle and pedestrian bridge, and a TDM plan.
- **Passenger Rail Feasibility Study (Walden, NY) 2009:** Project manager to evaluate the feasibility and ridership demand of converting a freight rail line to passenger service for the Village of Walden.
- **New York Metropolitan Transportation Council's Coordinated Public Transit-Human Services Transportation Plan (New York, NY) 2008:** Public Involvement task manager of team tasked to identify and prioritize coordination strategies to improve the efficiencies of the region's varied and complex services and, ultimately, to expand the funding that was supporting these community transportation services.
- **Al Rayyan Road (Doha, Qatar) 2008:** Transit task manager as part of a team tasked to develop design standards and benchmarks for Rayyan Road, a major street in Doha, the capital of Qatar.
- **Surprise Short Range Transit Plan (Surprise, AZ) 2006:** Project manager for Nelson\Nygaard's efforts in creating a Short Range Transit Plan for the City of Surprise, AZ.
- **Nogales Transit Plan: (Nogales, AZ) 2005:** Project manager for the planning of the first publicly sponsored on-street bus system for the City of Nogales, Arizona.

Parking and Transportation Demand Management

- **Destination Medical Center (Rochester, MN) 2014:** Parking task leader to identify parking demand and a complete district-wide Transportation Demand Management plan for the anticipated increase of 45,000 additional jobs, plus significant increases in visitors and residents.
- **Parking Management Study (Seaside, FL) 2013:** Principal in charge for Nelson\Nygaard's work to help address the parking issue through a comprehensive parking assessment.
- **4600 Wisconsin Ave NW/Babe's Billiards Parking Peer Review (Washington, DC) 2013:** Project manager to conduct a peer review of the proposed parking provisions for the 4600 Wisconsin Avenue NW PUD application, including review of the proposed development plan parking provisions and Transportation Demand Management (TDM) Plan.
- **Howard University TDM Plan (Washington, DC) 2012:** Project manager to develop the Transportation Demand Management (TDM) Plan and provide a detailed assessment of opportunities to mitigate adverse transportation impacts, primarily by enhancing multimodal Central Campus access and mobility for the extended Howard University community.
- **Belo Horizonte Parking Study (Belo Horizonte, Brazil) 2012:** Principal in charge for Nelson\Nygaard's work to analyze the financial feasibility for a private parking operator to obtain the rights to build and manage the new off-street parking.
- **Chinatown Parking and Access Study (New York, NY) 2012:** Parking task manager for the Chinatown Parking and Access Study, conducted within the heart of Chinatown and parts of the Lower East Side using a neighborhood-transportation study approach.
- **Adams Morgan Historic Hotel Technical Review (Washington, DC) 2012:** Project manager to conduct a technical peer review of the Adams Morgan Historic Hotel Traffic Impact Study. The objective was to review the TIS and determine whether the analyses and conclusions conform to appropriate professional practices.
- **Incorporation of Transportation Demand Management into Development Process (Washington, DC) 2010:** TDM task manager as a subconsultant to Michael Baker, assisted DDOT in an analysis of incorporating TDM in the Washington DC development review process. Developed specific recommendations
- **Amtrak Development Study (Baltimore, MD) 2009:** Project manager of shared use parking demand analysis for best and highest redevelopment of Amtrak's Lanvale Site at Baltimore Penn Station.
- **District of Columbia Parking Study (Washington, DC) 2008:** Principal in charge of project to develop recommendations for shifting off-street parking standards for Washington, D.C. from minimum requirements to maximums.
- **Arlington County Commercial Building Parking Assessment (Arlington County, VA) 2007:** Project manager of a parking study to determine the appropriate amount of parking needed in transit-oriented commercial developments, particularly within the Roslyn-Ballston and Route 1 Corridors, based on actual utilization within the areas and throughout the region.
- **Downtown Parking Study (Ann Arbor, MI) 2006-2007:** Project manager for a study that developed Access and Parking Management Policies for Ann Arbor (MI) and was adopted by the City, Downtown Development Authority, and Transit Authority.
- **Yale-New Haven University Hospital Parking and Access (New Haven, CT) 2005:** Project manager for planning and providing expert testimony to support the community in working with the Yale New Haven Hospital to reduce the impact from a proposed five-level garage.
- **Residential Permit Parking Study (Brooklyn, NY) 2004:** Analysis of parking utilization and program implementation options for the Downtown Brooklyn Residential Permit Parking Study.

Transit Oriented Development

- **Waterloo Central Transit Corridor Development Strategy (Waterloo, ON) 2012:** Project manager in developing the Corridor Development Strategy Report which identified stable neighbourhoods and reurbanization areas that offer future opportunities for development, as well as established station area typologies and a broad vision for the general development direction of the area.
- **TOD Area Reports (Washington, DC) 2011:** Led a team of transportation, land use, and economic development planners in completing a study of 35 transit-oriented development (TOD) sites as a preliminary step toward establishing new TOD zoning standards for the District of Columbia.
- **Johns Hopkins Campus Planning (Baltimore, MD) 2009:** Project manager for the transit, pedestrian, bicycle, and parking elements to serve a new TOD/mixed use district for Johns Hopkins University.
- **State Street Transit Oriented Development Study (Schenectady, NY) 2008:** Transportation task manager for the City of Schenectady's State Street TOD Project which produced TOD plans for two new BRT stations.
- **TOD Guideline (Cleveland, OH) 2007:** Principal author of TOD guidelines for the Greater Cleveland Regional Transit Authority.
- **Arlington County Station Area Plans (Arlington, VA) 2007-2011:** Station area plans for **Crystal City** and **East Falls Church WMATA Metro stations**, including station access and parking management.
- **Mockingbird Station TOD Plan (Dallas, TX) 2006:** Lead planner for Phase II of the Mockingbird Plaza TOD Project in Dallas, TX, focusing on bus circulation and parking supply analysis.
- Technical peer review for transportation, land use, and design of proposed BRT-supported TOD projects in **Gaochun and Kuchan, China.**

PREVIOUS EXPERIENCE

Parsons Brinckerhoff Quade & Douglas, Inc.

Senior Planner, 2001–2005

- Lead planner for preliminary engineering/environmental impact statement (PE/EIS) phase of transit and development projects.
- Specialist in pedestrian and vehicle conflict planning, including author of the Central Phoenix/East Valley Light Rail Transit LRT/Traffic and Pedestrian Interface Report and the Transportation Impact Chapter of the CP/EV LRT Environmental Impact Statement.
- Author of Section 5309 New Starts Criteria Report to Federal Transit Administration for application for federal transit funds.
- Analyze potential environmental impacts on existing and future conditions for traffic, transit, pedestrian, parking, socio-economics, environmental justice, land use, neighborhoods, and emergency services.
- Coordination of federally-mandated public outreach processes, including scoping and stakeholder meetings, document publication, and media announcements.
- Environmental analyses of transit projects including the extension of the #7 Subway Line (New York), implementation of the Central Phoenix/East Valley Light Rail Transit System (Phoenix), and reimplementation of the Desire Streetcar Line (New Orleans).

MTA Metro-North Railroad, Facility Planning and Parking Operations

Senior Planner, 1998–2001

- Manage the conceptual planning, design and environmental review for seven new regional train stations with a total capital budget of \$23M. Responsible for analysis of all capital and operating impacts of proposed projects.

- Develop comprehensive program of Park & Ride Shuttle Facilities with station amenities and bus connections to existing stations.
- Coordinate negotiations with state, county and local representatives.

JAC Planning Corp.

Staff Planner and Project Manager, August 1996–September 1998

- Organize community outreach and public participation services for New York State Department of Transportation’s Long Island Transportation Plan 2000 Major Investment Study.
- Author codification of zoning codes for several Long Island municipalities.
- Conduct site- and corridor-based transportation planning.

PUBLICATIONS

- Transit: The Right Answer to the Wrong Question, Planning Magazine, February 2014
- Campus Controls, Planning Magazine, February 2012 (co-authored)
- Blog: buildabetterburb.org: An Existential Lesson in CurbSpace, July 2013
- Blog: Planning.org: New York City and Water: A Changing Relationship, December 2012

PRESENTATIONS (SELECT)

- Make No Small Performance Measures, American Planning Association Annual Conference, Atlanta GA, April 2014
- The Parking Revolution: Attack from All Sides, American Planning Association Annual Conference, Chicago IL, April 2013
- Parking from All Sides, American Planning Association, Chicago, IL, April 2013
- Complete Communities – A Place to Start: Transportation, Rail~Volution, Los Angeles, CA, October 2012
- Transit Oriented Development: Beyond the Basics, Secovi International Urban Forum, Sao Paulo, Brazil, September 2011
- Jackson Heights Neighborhood Transportation Study, TRB Planning Conference, Reno, NV, May 2011
- Getting TOD Right, New York State Department of Transportation, Hauppague, NY, April 2009
- Best Practices in Off-Street Parking Management, New York Metropolitan Transportation Council, New York, NY March 2009
- Innovative Solutions to Your Parking Challenges, New York Main Street Economic Development Conference, Buffalo, NY, May 2008
- The Mixed Use Development Formula: Land Use + Transportation, 1000 Friends of Connecticut Statewide Smart Growth Conference, New Haven, CT, November 14, 2007
- Impact Fees and Smart Growth: All Development is Not Created Equal, 2006 National Impact Fee Roundtable, Arlington, VA, October 2006



David B. Fields, AICP

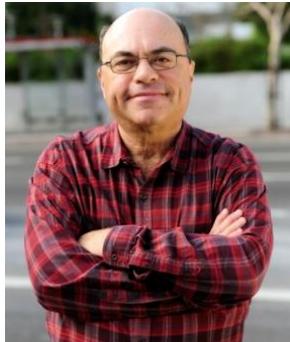
Principal

PROFESSIONAL AFFILIATIONS

- American Planning Association, Divisions Council, Vice Chair (April 2014 to present)
- American Planning Association, National Transportation Planning Division, Immediate Past Chair (January 2015 to present); Chair (April 2011 to December 2014); Secretary (April 2007 to April 2011)
- American Planning Association, New York-Metro Chapter, Vice President of Committees (June 2010 to June 2012); Director, New York City Section (June 2006 to June 2010), Transportation Committee Chair (June 2005 to June 2010)
- American Institute of Certified Planners: Certified Planner, July 1999 to Present
- American Planning Association: Member, May 1994 to Present;
- Technical Advisor, New York University Wagner School of Public Service, Urban Planning Capstone, Transportation in Abu Dhabi Projects, September 2008-May 2009
- American Planning Association: Floyd Lapp Award, October 2009; Robert Weinberg Award, May 1996

Larry Gould

Principal



Larry Gould is a transportation planner with over 30 years of experience in public transit planning and operations. He recently joined Nelson\Nygaard after more than three decades with MTA New York City Transit. Most recently, Larry served as the Senior Director, Operations Analysis in the Operations Planning division of MTA New York City Transit where he was responsible for short term service planning for bus and rail, including planning for capital projects, construction, contingencies, and special events. He is a member of the MTA's Blue Ribbon Sustainability Commission and was active in developing MTA's Smart Growth and transit-oriented development program. Larry was a founding member of the Congress for the New Urbanism (CNU) New York chapter and has been actively involved with CNU since 1999. As a New Urbanist, Larry is dedicated to assuring that New Yorkers learn to appreciate, maintain and improve the region's urbanist assets, while extending these design values to the remainder of the country and reinforcing good development decisions with good transit decisions.

EDUCATION

BA, Mathematics and Politics, New York University, 1975

EXPERIENCE

Nelson\Nygaard Consulting Associates, Inc.

Principal, 2014–Present

- **Public Square Transit Operations, Cleveland (OH) 2014** — Transit routing for an 18-month construction schedule around Public Square, Cleveland's central transfer point between downtown bus routes and rail connections.
- **2014 On-Call, Institute for Transportation & Development Policy (Rio De Janeiro, Brazil) 2014**—As Rio De Janeiro prepares for the 2016 Olympics, the city asked ITDP for a peer review of the sizing and design for several planned Bus Rapid Transit stations. Larry analyzed the potential performance of station elements for two BRT stations, including stairs, ramps, bridges and platforms.
- **Parking Authority Mobility Study, Park New Haven (CT) 2014**—Nelson\Nygaard was hired to provide urban transportation planning services, and conduct a mobility study. Larry analyzed potential consolidation of shuttle routes run by Yale University, Yale New Haven Hospital, and Connecticut Transit.
- **KCATA CSA Phase 2, Kansas City Area Transportation Authority (MO) 2014**—Continuing Nelson\Nygaard's work on Phase 1 of the Comprehensive Service Analysis, Phase 2 of KCATA's CSA includes implementation assistance for the Phase 1 changes, developing mid-term contingency plans for potential expenditure reductions as well as for future improvements, developing an ongoing service evaluation process, developing bus stop facility guidelines and a bus stop improvement program, and revising KCATA's internal monthly service tracking processes to be consistent with the recently adopted Service Guidelines. Larry determined bus stop boarding volumes and transfers for revised downtown bus network.
- **Parking Assessment, All Aboard Florida (Coral Gables, FL) 2014**—Larry determined parking requirements for four proposed All Aboard Florida stations.
- **Transportation Demand Management Study, American University (Washington, DC) 2014**—Nelson\Nygaard was hired to develop a comprehensive TDM Plan. The plan will focus on reducing the amount of off-street parking required to support campus growth, while also reducing the traffic impacts of this growth on the campus and within surrounding communities. The plan will also be instrumental in aiding the University in meeting its ambitious Climate Plan goal of carbon neutrality by 2020. The plan



Larry Gould
Principal

seeks to facilitate modal changes among drivers who are interested in reducing their auto-dependency, while ensuring that parking activity generates funding to increase the appeal and effectiveness of ridesharing, transit, cycling, and walking. Larry designed campus shuttle bus routes.

- **Landscape Master Plan, Temple University (Philadelphia, PA) 2014**—Nelson\Nygaard was engaged to work on all transport aspects of the Landscape Master Plan, including campus shuttle, bicycle and pedestrian facilities, parking and loading, circulation, and access and connectivity. Larry designed shuttle bus routes and revised bus stop locations.

MTA New York City Transit, Operations Planning Division, Operations Analysis Unit

Senior Director, 2000–2014; Director, 1993–1999; Manager, 1985–1993; Analyst, 1980–1985

- **Track Access Process**—Managed the service plan approval process, coordinating over 2,000 annual requests for track closures as required for capital projects, maintenance, and trackwork. Coordinated and planned closures to maintain level of transportation services, provide adequate and intuitive customer service, and efficiently deploy limited resources. Negotiated with operating and construction managers to ensure compliance with established plans and guidelines. Approved customer information materials. Expanded current and forecasted closures in connection with Sandy storm repair, mitigation, and resiliency upgrades.
- **Bus and Rail Service Operating Strategies**—Directed the development and implementation of service strategies to repair delays and uneven headway intervals in real time. Developed real time performance indicators to assess the effectiveness of strategies implemented.
- **Bus Service Traffic Operations**—Responsible for unit that located temporary and permanent bus stops, including bus reroutes for construction, temporary bus stop locations, permanent bus stop location, and bus stop and bus lane policy. The system included over 11,000 bus stops.
- **Member, MTA Blue Ribbon Committee on Sustainability, 2007-2009**—Represented NYC Transit on committee to improve agency incorporation of Transit Oriented Development principles.

Chicago Area Transportation Study (MPO)

Planning Liaison, North Shore Council of Mayors, 1977–1980

- Principal staff on sub-regional policy board representing local elected officials in regional transportation planning and capital programming.

Northwestern Indiana Regional Planning Commission (MPO)

Planning Intern, 1976

- Designed and administered survey of transit needs of elderly and disabled population.

AFFILIATIONS

- Congress For The New Urbanism, New York State Chapter Executive Officer, 1999-present

AWARDS

- 2004 Sloan Public Service Award, Fund for the City of New York

Rachel R. Weinberger

Principal



Rachel Weinberger, Ph.D., is Nelson\Nygaard's Director of Research and Policy Strategy. She has over 25 years of planning experience in the private and public sectors and in academia. Her areas of expertise include land use transportation interactions, travel behavior, planning methodologies, urban economics, econometric analysis, travel demand management and urban parking. She served as the senior policy advisor on transportation in the development of PlaNYC, New York City's much-lauded 2030 sustainability plan and she is an advisor to the Clinton Climate Foundation's Climate Positive Development program. She has authored or co-authored over 50 research articles, reports, book chapters, and papers including the award-winning "Integrating Walkability into Planning Practice."

EDUCATION

Ph.D., City and Regional Planning, University of California, Berkeley
M.S., Civil Engineering (Transportation), University of California, Berkeley
M.U.P., Hunter College of the City University of New York
B.A., Urban Studies, Hunter College of the City University of New York

EXPERIENCE

Nelson\Nygaard Consulting Associates Inc.

Principal, 2013–Present

- **Carteret Ferry Feasibility Study, Carteret, NJ (2015-ongoing).** Originally retained by the Borough of Carteret New Jersey to provide technical assistance as the Borough obtains approvals for a ferry terminal capital project, Rachel is now the Project Manager for a ferry feasibility study to assess the ferry market potential, the terminal potential to catalyze future development, and the expected economic impact of the project.
- **Seattle Central Business District (CBD) Curbspace Study, Seattle, WA (2014–Ongoing).** Project Manager for the Seattle Department of Transportation (SDOT) curb management study. The objective of the project is to establish a policy framework that addresses competing priorities for curb use in a way that is consistent with and helps achieve the goals of the Seattle Comprehensive Plan and SDOT's modal master plans. An effective curb management program consists of tools for assessing, prioritizing, and allocating a scarce resource to satisfy the competing and frequently contradictory demands of transit vehicles, bicycles, private automobiles and delivery vehicles, while maintaining access and mobility for people and goods.

Upon completion, the study will recommend a curb management decision framework, policies for curb use management and regulation, and a method to apply curb space priority by street type, time of day, and other key parameters. The study will include an implementation strategy, identifying and providing high level costs for the projects, and programs necessary to implement new curb management practices.
- **Moving University Circle Mobility Study, Cleveland, OH (2014-Ongoing).** Principal in charge for this multimodal mobility plan that encompasses several medical, educational and cultural anchor institutions in Cleveland. The multi-part project requires an in-depth parking study that seeks opportunities to gain parking efficiencies as well as assuring adequate supply to meet the neighborhood, business, and institutional needs. It also requires a comprehensive transportation and mobility component in an area that is served by BRT, urban rail transit, bicycle facilities and conventional automobile infrastructure. Final recommendations will include infrastructure improvements, and both, supply and demand management strategies.
- **SFpark, San Francisco, CA (2014).** Project and policy advising to the San Francisco Municipal Transportation Agency's award winning, SFpark program. SFpark aimed to improve parking in San Francisco by testing a number of best-practice parking management policies and techniques as well as



Rachel R. Weinberger
Principal

supporting technologies. Nelson\Nygaard provided detailed input and feedback on the *SFpark* data collection plan, suggesting methodologies and measures that could be used to provide a reliable but cost-effective measure of success. In 2013, the International Parking Institute recognized *SFpark* as the most innovative parking program in the U.S., and Harvard named it one of the top 25 innovations in government.

- **DDOT Trip Generation, Washington, DC (2014).** Led Nelson\Nygaard's work with the District Department of Transportation (DDOT) to create a data collection protocol in advance of developing a multimodal trip generation model suited to urban contexts. A pilot survey effort ground proofed the method. The data were tested against available modeling tools, including ITE's trip generation; none of the available tools proved to be a good predictor of urban trip generation, thus validating the need for new models. The data collection protocol developed for this project has been adopted for a trip and parking generation study in San Francisco and will be used for a national study of transit-oriented development parking being undertaken through the University of Utah.

PREVIOUS EXPERIENCE

Sustainable Transport Consultant

Independent, 2008-2013

- Project and policy advising to various levels of government, including Federal Highway Administration; Dongguan, China Department of Urban Planning; City of Seattle Department of Transportation; Mexico City Ministry of the Environment.
- **Trip reduction ordinance, Mexico, D.F.** Developed a Trip Reduction Ordinance concept paper for the Mexico City Ministry of the Environment.
- ***Contemporary Approaches to Parking Pricing: a Primer*, FHWA.** A review of theoretical issues and empirical evidence of parking pricing concepts and implementation.
- ***U.S. Parking Policies: An Overview of Management Strategies*, ITDP.** Conducted key informant interviews, analysis of regulatory documents and published research to develop and write the US parking policies report.
- **Clinton Climate Foundation Sustainability Reviews, Australia and USA.** Reviewed and critiqued sustainability plans for development projects and made recommendations to the Clinton Climate Foundation on eligibility for participation in the Climate + program.

University of Pennsylvania

Assistant Professor, 2004-2012

- Research projects covered social and demographic factors in travel behavior; land use transportation interactions; urban transportation; transportation economics, and sustainable travel. A frequent invited speaker, Rachel is the author of more than 40 journal articles, book chapters, and other publications.

Office of Long Term Planning and Sustainability, City of New York

Senior Advisor on Transportation Policy for PlaNYC, 2006-2007

- Developed sustainable transportation policy platform and initiatives for New York City. She informed and advised the Director of Long-Term Planning and Sustainability, New York City Deputy Mayor for Economic Development, and the Mayor's Sustainability Advisory Board on sustainable transportation issues.
- Led and coordinated intra-City, inter-agency working group and outreach to key regional partners including New Jersey Transit, Port Authority of New York and New Jersey, Metropolitan Transportation Authority and the New York City Taxi and Limousine Commission. Developed and executed community outreach programs including outreach to key regional business and civic leaders.



Rachel R. Weinberger
Principal

Nelson\Nygaard Consulting Associates
Principal and Director, New York Office, 2003-2004

Selected representative projects

- **Downtown Transportation Plan, Denver, CO.** Nelson\Nygaard led the transit planning and operations tasks for this multimodal assessment of travel within downtown Denver. The project was in response to an initiative to revitalize Denver Union Station. Recommendations called for the development of bus rapid transit and additional light rail or streetcar lines downtown that would supplement the current 16th Street mall service and would provide fast collection and distribution service for the station.
- **NYC Walk to School Program, New York, NY.** Nelson\Nygaard worked in conjunction with Sam Schwartz PLLC and the Brooklyn Center for the Urban Environment to implement the program at five pilot schools across the City. Nelson\Nygaard headed the parent outreach efforts, which included establishing a parent “working group” at each school. Through the use of walking awareness strategies such as the “Walking School Bus” and “Walk to School Wednesdays,” Nelson\Nygaard was able to increase walking activity and parental support for walking as a safe and beneficial means for getting children to school.
- **Center City Parking Study, Philadelphia, PA.** Project Manager of this evaluation of Philadelphia’s parking policy. Based on existing conditions and stakeholder input, the Nelson\Nygaard team produced a toolbox of strategic options grouped into four “themes” reflecting critically different visions for the district: “A Great Place to Live,” “Commuter Convenience,” “Destination City,” and “Metropolitan Center.”
- **Trenton Transportation Master Plan, NJ.** Integrating qualitative analysis with stakeholder participation, Nelson\Nygaard created a 10-year implementation strategy and blueprint for future investments in the surrounding region’s transportation infrastructure.

URS Corporation
Director of Multidisciplinary Studies, 2000-2003

Selected representative projects

- **Emergency Transportation Plan, New York, NY.** For the Federal Emergency Management Agency, Rachel conducted analyses on the mobility adapting strategies employed throughout the Greater New York Metropolitan Area in response to the September 11 disaster. Her analyses were used as part of the framework for developing short- and long-term plans for rebuilding critical infrastructure.
- **Staten Island Expressway Major Investment Study, NY.** Provided network editing, alternatives analysis, and cost benefit and performance measure analysis using TRANPLAN, a four-step modeling package, and STEAM, a cost/benefit software tool developed for the Federal Highway Administration.
- **San José-Caldera Corridor Study, Costa Rica.** Refined the land use projections in Western-Central Costa Rica, along the San José-Caldera development corridor. Based on the land use projections, Rachel developed trip generation rates that were later used to estimate traffic in a toll-feasibility study.
- **Santander Toll Studies, Mexico City, Mexico.** Supervised a local firm to conduct traffic and revenue studies for the Mexican government as it sought to refinance three toll roads in the vicinity of Mexico City.
- **State Highway 130 Traffic and Revenue Study, Austin, TX.** Project Manager and technical lead for transportation modeling required for development of turnpike revenue estimation. The project encompassed a 45-mile turnpike with estimated construction costs of \$0.9 billion. Bond financing was granted on the basis of these forecasts.

Cambridge Systematics
Associate, 1996-2000

Selected representative projects

- **I-880 Strategic Investment Study, Alameda County, CA.** The Alameda County Congestion Management Agency’s strategic investment study looked at options for a \$500 million dollar investment beyond the existing and committed projects in the I-880 corridor. Part of a multi-firm team, Rachel

conducted an alternatives analysis using a performance-based planning approach. The modeling and analysis were done in EMME/2.

- **Portland International Airport Alternative Modes Study, OR.** Deputy Project Manager of the comprehensive airport access plan including an air passenger survey, an airport mode choice model and an origin probability model for the Port of Portland. The models interfaced with Portland Metro's regional travel demand model. The study provided policy alternatives for a 20-year phased approach to increasing high occupancy and public transportation modes to Portland International Airport.
- **Santa Clara Valley Transportation Authority Litigation Support, CA.** To settle a law suit for severance damages to property owners along the Santa Clara County light rail right-of-way, Rachel estimated hedonic price models to establish the relationship between proximity to rail and commercial property value.
- **Bicycle Blue Book.** Based on used bicycle sale prices, Rachel developed and estimated the first and second generation econometric models for predicting used bicycle prices. Visit bicyclebluebook.com.
- **San Gabriel Valley Trucking Impacts Study, CA.** Using California Employment Development Department labor market data, Census data, and the Bureau of Transportation Statistics Transportation Satellite Accounts data, Rachel conducted an analysis of trucking intensive industries in the San Gabriel Valley.
- **Transit Information Center Orion Evaluation Plan, Minnesota DOT.** The MinnDOT Orion project encompasses projects in the areas of incident, transit, arterial and freeway management, traveler information, and the sharing of traffic management information among agencies. For the Transit Information Center, Rachel designed the survey and data collection, which formed the basis for her evaluation of customer experience with the Transit Information Center's Trip Itinerary Planner. She also conducted an analysis of accuracy for the Traveler Information Center in which information on reported and actual roadway conditions were compared.
- **Greater Phoenix IDAS Evaluation, AZ.** Using the IDAS model system for analysis of intelligent transportation system (ITS) deployments, Rachel conducted a cost benefit analysis of the ITS deployments in the Phoenix area. Such measures included variable message signing, new signal timing and centralized, web-based, traffic information systems.

PROFESSIONAL AFFILIATIONS

- Member of the Transportation Research Board
- Member of WTS International

SELECTED JOURNAL ARTICLES, BOOKS, AND BOOK CHAPTERS

- Weinberger, Rachel. 2014. "Three Faces of Parking: Emerging Trends in the United States" in S. Ison and C. Mulley eds. *Parking: Issues and Policies* Emerald Group, Bingley, UK.
- Weinberger, Rachel and Lisa Jacobson. 2014. "Parking in Guangzhou: Principles for congestion reduction and improving quality of life in a growing city" in S. Ison and C. Mulley eds. *Parking: Issues and Policies* Emerald Group, Bingley, UK.
- A. Millard-Ball, R. Weinberger, and R. Hampshire. 2014 "Is the Curb 80% Full or 20% Empty? Assessing the Impacts of San Francisco's Parking Pricing Experiment" *Transportation Research Part A* Vol.63, 2014, pp. 76-92.
- A. Millard-Ball, R.R. Weinberger and R.C Hampshire. 2013. "Comment on Pierce and Shoup, Evaluating the impacts of performance-based parking", *Journal of the American Planning Association*, 79(4) 330-336.
- Lucas, Karen, Evelyn Blumenberg, and Rachel Weinberger (editors). 2011. *Auto Motives: Understanding Car Use Behaviours*. Emerald Group, Bingley, UK.

- Weinberger, Rachel and Matthias Sweet. 2012. "Integrating Walkability into Planning Practice." *Transportation Research Record*. Ryuichi Kitamura Best Paper Award.
- Goetzke Frank and Rachel Weinberger. 2012. "Separating Contextual from Endogenous Effects in Automobile Ownership Models." *Environment and Planning A* Vol. 44 No. 5 1032-46.
- Weinberger, Rachel. 2012. "Death by a Thousand Curb-Cuts: Evidence on the effect of minimum parking requirements on the choice to drive." *Transport Policy* Vol. 20: 93-102.
- Dilworth, Richardson, Robert Stokes, Rachel Weinberger, and Sabrina Spatari. 2011. "The Place of Planning in Sustainability Metrics for Public Works: Lessons from the Philadelphia Region." *Journal of Public Works Management and Policy* 16: 20-39.
- Weinberger, Rachel and Frank Goetzke. 2010. "Unpacking Preference: How Previous Experience Affects Auto Ownership." *Urban Studies* Vol. 47 No. 10.
- Interview with Jay Walder, Executive Director of the Metropolitan Transportation Authority, *New York Transportation Journal* vol. 14 no. 1 Fall 2010.
<http://wagner.nyu.edu/rudincenter/journal/2010/09/interview-with-jay-walder/>
- Maley, Donald and Rachel Weinberger. 2009. "Rising Gas Price and Transit Ridership: Philadelphia Case Study" *Transportation Research Record* No 2139: 183-188.
- Weinberger, Rachel, Mark Seaman, and Carolyn Johnson. 2009. "Residential Off-Street Parking: Car Ownership, VMT and Carbon Impacts (Case Study New York City)." *Transportation Research Record* No.2118: 24-30.
- Interview with Richard Sarles, Executive Director of New Jersey Transit Corporation. *New York Transportation Journal*, fall 2009. <http://wagner.nyu.edu/rudincenter/journal/2009/10/richard-sarles-speaks-with-nytj/>
- Weinberger, Rachel. 2008. *Building Green Transportation: Case Study PlaNYC in Building Greener Cities*. Eds. Eugenie Birch and Susan Wachter. University of Pennsylvania Press, Philadelphia.
- *Taxi 07: Roads Forward*. 2007. New York City Design Trust for Public Space.
- Weinberger, Rachel. 2007. "Men, Women, Job Sprawl and Journey to Work in the Philadelphia Region." *Journal of Public Works Management and Policy* Vol. 11 No. 3 177-193.
- Weinberger, Rachel. 2006. *Rebuilding Transportation in Rebuilding Urban Places After Disaster: Lessons from Hurricane Katrina*. Eds. Eugenie Birch and Susan Wachter. University of Pennsylvania Press, Philadelphia.
- Weinberger, Rachel. 2001. "Light Rail Proximity: Benefit or Detriment? The Case of Santa Clara County, California." *Transportation Research Record* No. 1747: 104-113.

SELECTED CONFERENCE PRESENTATIONS

- R. Weinberger, E. Franke, E. Schreffler, J. Macias, M. C. Ochoa, "Foundations for an Employer Trip Reduction Program in Mexico City." Transportation Research Board Annual Meeting 2015.
- R. Weinberger, L. Cohen, S. Dock, J. Rogers, J. Henson, "Predicting Travel Impacts of New Development in America's Major Cities: Testing Alternative Trip Generation Models." Transportation Research Board Annual Meeting 2015
- R. Weinberger, J. Karlin-Resnick, "Parking In Mixed-Use U.S. Districts: Oversupplied No Matter How You Slice The Pie." Transportation Research Board Annual Meeting 2015
- J. Karlin-Resnick, R. Weinberger, B. Whitaker, "Putting the Horse Before the Cart: How Planning and Implementation Affect the Success of Transit System Redesign." Transportation Research Board Annual Meeting 2015.

SELECTED REPORTS

- *A Parking Guide for Chinese Cities: Special Focus on Guangzhou*, 2012. The Institute for Transportation and Development Policy.
- *Contemporary Approaches to Parking Pricing: A Primer*, 2012. United States Department of Transportation (contributing author).
- *U.S. Parking Policies: An Overview of Management Strategies*, 2010. The Institute for Transportation and Development Policy.
- *Guaranteed Parking–Guaranteed Driving: How Parking at Home Leads to More Driving to Work*, 2008. Transportation Alternatives.
- *Suburbanizing the City: How New York City Parking Requirements Lead to More Driving*, 2008. Transportation Alternatives.
- *PlaNYC: A Greater Greener New York*, 2007 (contributing author).
- *New York City Mobility Needs Assessment 2007-2030*, 2007. The City of New York.
- *Toll Roads in the USA: Funding arrangements and development processes*, 2002. Transurban Infrastructure Developments Limited, Melbourne, Australia.
- *Emergency/Interim Transportation Disaster Recovery Plan*, 2002. The Federal Emergency Management Agency (contributing author).



RELEVANT PROJECTS

Economic Analysis of Carbon Neutrality
Hermosa Beach, California

Climate Action Plan Update
Fort Collins, Colorado

Community Carbon Footprint, Sustainability Plan, On-Call Climate Planning Services
Salt Lake City, Utah

Climate Commitment
City of Boulder, Colorado

Climate Action Plans and Roadmaps
Creighton University
Berea College
City of Cleveland
Jonhson County/Kansas City

Colorado Clean Energy Cluster
Colorado, Statewide

Comprehensive Energy Management Plan
Omaha, Nebraska

Energy Efficiency and Conservation Strategy/Sustainability Plan
Greensboro, North Carolina

JUDY DORSEY, PE, LEED-AP®, CEM PRESIDENT AND PRINCIPAL ENGINEER



Judy is a valued collaborator offering 22 years of executive leadership in sustainability, innovation, and entrepreneurship. Her specialties include district- and community-scale planning in climate and energy, clean energy, sustainable economic development, organizational development, and net zero energy and water initiatives. She has led the completion of 250+ sustainability projects for over 125 clients across 25 states, including more than a dozen energy plans for

some of the nation’s most progressive communities and major cities. Over the past 18 years, Judy has grown Brendle Group’s 6 practice areas and 4 sectors into an award-winning consulting group. She also co-founded the Colorado Clean Energy Cluster and helped spearhead two of its primary initiatives – the International Cleantech Network, a global network connecting the world’s leading cleantech clusters, and FortZED, an initiative to create one of the world’s largest active net zero energy districts.

PROFESSIONAL QUALIFICATIONS

Master of Engineering
Mechanical Engineering
Colorado State University
Fort Collins, Colorado

Bachelor of Engineering
Mechanical Engineering
Northwestern University
Evanston, Illinois

Professional Engineer
Colorado

SKILLS

LEED Accredited Professional
Certified Energy Manager

AWARDS

2012 MIT C3E Entrepreneurship and Innovative Business Models Award

2010 Northern Colorado Women of Distinction Award

2008 Denver Business Journal Outstanding Woman in Business

RELEVANT PROJECTS

Comprehensive Energy Management Plan

Omaha, Nebraska

Energy Efficiency and Conservation Strategy/Sustainability Plan

Greensboro, North Carolina

Fort Collins City Plan

Comprehensive Plan Update

Fort Collins, Colorado

Renewable and Distributed Systems Integration

Fort Collins, Colorado

Community Carbon Footprint and Roadmap to Emissions Reductions

Park City, Utah

Building Professionals Energy Resource

Governor's Office of Energy

Conservation Management and

Conservation, Colorado

Sustainability Management Plan

City of Fort Collins, Colorado

DAVID E. WORTMAN, LEED-AP BD+C PROGRAM MANAGER



David offers over 20 years of experience as an accomplished sustainability planner, project manager, facilitator, educator, and communicator for U.S. and international communities, companies, and organizations. He has a diverse background in the fields of sustainability management, urban and environmental planning, education for sustainability, and communications. He has collaborated on

sustainability strategy, planning, and education projects with a variety of organizations, including the Earth Charter Institute, International Union for Conservation of Nature, Australian Research Institute on Education for Sustainability, and ICLEI-U.S. Local Governments for Sustainability. David has led and supported complex projects, including sustainability management plans and systems for communities, colleges and universities, and K-12 school districts; corporate and institutional sustainability reports; sustainability indicators; higher education sustainability curriculum; and industry-level sustainability strategies. David also is a widely published writer and book author, covering topics related to the environment, sustainability, and green consumer issues..

PROFESSIONAL QUALIFICATIONS

Master of Sustainable Development
Sustainable Development
Macquarie University
Sydney, Australia

Master of Science
Environmental Planning
University of Washington

Bachelor of Science
Natural Resource Economics
Cornell University

SKILLS

LEED Accredited Professional
Environmental Planning

AFFILIATIONS

Visiting Fellow
International Research Institute in
Sustainability, University of
Gloucestershire, U.K.

International Society of
Sustainability Professionals

RELEVANT PROJECTS

Climate Commitment
City of Boulder, Colorado

Climate Action Plans and Roadmaps
City of Cleveland
City of Fort Collins
Bennington College
Berea College
Johnson County/Kansas City

Greenhouse Gas Inventories
College of Saint Mary
Creighton University

Community Carbon Footprint,
On-Call Climate Planning Services
Salt Lake City, UT

Oklahoma Green Schools Energy
Assessments
Oklahoma Department of Commerce

Statewide On-call Energy
Assessments
Xcel Energy, Colorado

Water Cluster Mapping and Support
City of Fort Collins, Colorado

REBECCA FEDAK, PE, MBA ENGINEER



Becky supports a wide range of projects, including greenhouse gas inventories; energy profiles; climate and sustainability planning; water footprinting; and on-site energy, water, and waste assessments. She also has extensive experience as a water resources engineer and is well versed in water operations modeling and large-scale water resources planning and design. Becky supplements her technical expertise with a comprehensive set of business skills, including project management, triple bottom line analysis, and business plan development. In addition, Becky is a founding team member of Running Water International, a social enterprise in Kenya, Africa that addresses the water resource challenges of the developing world. She currently serves as Technical Director for the organization's multi-cultural team.

PROFESSIONAL QUALIFICATIONS

Master of Science in Business
Administration
Global Social and Sustainable
Enterprise
Colorado State University
Fort Collins, CO

Bachelor of Science
Civil Engineering
University of Wisconsin-Platteville
Platteville, WI

Professional Engineer
Colorado

SKILLS

Professional Engineer
Water Operations Modeling
Water Resources Planning
Project Management
Triple Bottom Line Analysis

AFFILIATIONS

Colorado Water Wise Board of
Directors
Colorado Water Innovation
Cluster, Economic Development
Committee



RELEVANT PROJECTS

Economic Analysis of Carbon
Neutrality
Hermosa Beach, California

On-Call Climate Planning Services
Salt Lake City, UT

Climate Action Plan
Summit County, Utah

Mecklenburg Livable Communities
Plan
Mecklenburg County, North Carolina

Western Greater Yellowstone
Regional Plan for Sustainable
Development
Fremont County, Idaho

Sustainability Evaluation System
Longmont, Colorado

Loveland Comprehensive Plan
Loveland, Colorado

Salt Lake City Climate Response
Strategy
Salt Lake City, Utah

Fort Collins City Plan
Comprehensive Plan Update*
Fort Collins, Colorado

* Under previous employment,
in coordination with Brendle Group

SHELBY SOMMER, AICP, LEED-AP® PLANNER



Shelby brings more than 9 years of experience in community planning and development to the Brendle Group team. As a local government planner early in her career, she led multi-disciplinary teams through the development review process. More recently, she worked as a planning consultant for a range of clients, including municipalities, counties, and regional organizations, where she focused on long range and strategic planning to enhance community vibrancy and sustainability. At Brendle Group, Shelby supports a variety of local and regional sustainability plans and projects. She is a seasoned meeting facilitator and is skilled at crafting strategies to involve and inform the public and other stakeholders in ways that are meaningful and fun. With a degree in environmental design, Shelby also provides clients with a suite of spatial and design skills, including mapping, document layouts, and illustrations, as well as geographic information system-based inventories and analysis.

PROFESSIONAL QUALIFICATIONS

Bachelor of Environmental Design
Community Planning
University of Colorado
Boulder, Colorado

Institute for the Built Environment
Green Building Certificate
Colorado State University
Fort Collins, Colorado

American Institute of Certified Planners
American Planning Association

SKILLS

LEED Accredited Professional
Community and Regional
Planning
Triple Bottom Line Analysis
Metric Development
Stakeholder Engagement
Geographic Information Systems

AFFILIATIONS

City of Fort Collins Art in Public
Places Board Member



RELEVANT PROJECTS

Johnson County Greenhouse Gas Inventory
Johnson County, Kansas

Kansas City Greenhouse Gas Inventory
Kansas City, Missouri

Houston Airport System Sustainability Plan
Houston, Texas,

Bank of Colorado Powersaver Energy Finance Program*
Denver, Colorado

Federal Center TOD Sustainability Analysis*
Lakewood, Colorado

Nederland Sustainability Action Plan*
Nederland, Colorado

LEED-ND Management and Certification*
Various Locations/Projects

Enterprise Green Communities Certification
Various Locations/Projects

Conor Merrigan, CEM, LEED-AP Planner II



Conor has been working with large scale energy/sustainability planning and implementation for the bulk of his 10 year career. A focus on neighborhood scale sustainability metrics is the result of both educational background as a planner as well as professional experience as the leading practitioner using the LEED for Neighborhood Development (LEED ND) rating system in Colorado. In addition to several years spent as the Principal of a boutique consulting firm, Conor served the

State of Colorado as the Manager of the Commercial Efficiency Program for the Governor's Energy Office, and has a background in energy and program management. Conor provides innovative value-added services to clients and is focused on delivering above expectations to drive more impactful change. As part of the planning group at the Brendle Group, Conor provides support to governments and private sector clients that enable them to create and deploy ambitious and practical solutions to pressing sustainability challenges

PROFESSIONAL QUALIFICATIONS

Master of Urban Design / Masters of Urban and Regional Planning
University of Colorado
Denver, CO

LEED Accredited Professional
Design and Construction Specialty

Certified Energy Manager
Association of Energy Engineers

SKILLS

Community and Regional Planning
Sustainability Metrics Analysis
Facilitation
Program Management
Geographic Information Systems

AFFILIATIONS

American Planning Association (CO)
Sustainability co-chair

US Green Building Council (CO)

* Under previous employment