



## CHRISTOPHER N. CATE

TRAFFIC OPERATIONS DESIGN  
ENGINEER WITH OVER TWENTY  
YEARS OF EXPERIENCE UTILIZING  
SKILLS AND TECHNOLOGY FOR  
SMART MOBILITY

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## CONTACT

50 Doten Avenue  
Saratoga Springs, NY 12866

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E [nucivil2001@gmail.com](mailto:nucivil2001@gmail.com)

## EDUCATION

Northeastern University, 2001  
Boston, MA  
B.S. in Civil Engineering

## LICENSURE

Engineering Intern  
FL Board of Professional Engineers  
License No. 1100010038  
Dated 09-08-2005

## EXPERIENCE

### VHB, INC. ALBANY, NY

FEBRUARY 2015 - PRESENT

Senior Transportation Specialist responsible for traffic operations design and plans production. Collaborate between upper management and emerging professionals for deliverables in the State of Florida and throughout VHB footprint when required.

### GMB ENGINEERS & PLANNERS, INC. ORLANDO, FL

MAY 2003 – FEBRUARY 2015 (VHB ACQUISITION)

Associate Principal responsible for day-to-day business activities of new office in Saratoga Springs, NY. Managed office logistics, employee growth, and business development for new market location.

### BOWYER SINGLETON & ASSOCIATES, INC. ORLANDO, FL

SEPTEMBER 2001 – APRIL 2003

Traffic Engineer responsible for traffic operations design and plans production.

### VHB, INC. BEDFORD, NH

JANUARY 1998 – AUGUST 2001

Project Engineer responsible for Civil/Site Land Development design and plans production.

### NATGUN CORPORATION, WAKEFIELD, MA

SPRING AND WINTER 1996 (3 MONTH INTERNSHIPS)

Northeastern University Cooperative Education Intern.

## CORE COMPETENCIES

### TRAFFIC OPERATIONS DESIGN

Lead and manage numerous traffic operations design projects involving the design of signal systems, signing and pavement markings, maintenance of traffic, intelligent transportation systems, roadway lighting, and minor roadway design elements. Collaborate with regional management, client, and design engineers to provide project deliverables on time and under budget. Organization of design activities, schedule, and budget through direction of staff and client progress meetings, coordination meetings, comment/review meetings, and Public presentations.

### TRANSPORTATION PLANNING

Manage and conduct numerous comprehensive safety and traffic operations studies for various public agencies and private sector clients. Contracts have included traffic signal system retiming studies, traffic-engineering studies, Signal Warrant Studies, intersection analyses to improve traffic operations in terms of safety and efficiency, access management studies, data collection, and continuing services for Districtwide Community Safety Studies. Technical writing to present report findings, training of staff to complete field work and

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data collection activities, and presentation of recommendations to Agencies involved.

### **POLICY AND SYSTEMS PLANNING**

Manage and conduct the preparation of numerous system planning projects for both public and private clients. Extensive expertise in the policies and requirements established by the approving agencies to support these activities. Through the development of system planning activities, has been directly responsible for the establishment of the appropriate methodology, preparation of the technical analysis, and correlating documentation. In addition, to support these studies, has demonstrated the ability to present the findings and conclusions to the public and approving boards/commissioners. Collaboration with approving boards/commissioners to draft ordinances and legislation guiding future design activities.

### **PROGRAMMING AND SOFTWARE SKILLS**

Expert in MicroStation, AutoCAD, AGI32, Visual, ATLAS, JAMAR (PC-Travel, PETRA, TraxPro, WinRAC), Multi-Post Program, Microsoft Office Suite, and Adobe. Skilled in GuidSIGN, AutoTURN, Synchro, Tru-Traffic (TS/PP-Draft), HCS, GeoPak, InRoads, and various other traffic/transportation related software programs. Exposed to various programs such as GIS, 3D modeling, creation of proprietary database and software programs, and general IT support services.

## REFERENCES

**[AVAILABLE UPON REQUEST]**