



ROBERT T. HINTERSTEINER, P.E.
TRANSPORTATION ENGINEER
FORENSIC ENGINEER

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CURRICULUM VITAE

LICENSES: Professional Engineer: New York 1973; New Jersey 1988, & Connecticut 1988.

EDUCATION: Master of Engineering in Civil Engineering-Transportation (*majored in Rail & Transit Design and Operations*), Manhattan College, Bronx, NY, 1977.
Bachelor of Engineering in Civil Engineering, New York University, School of Engineering, Bronx, NY, 1970.

CERTIFICATION: CESB Board Certified Diplomate in Forensic Engineering thru (NAFE)
National Academy of Forensic Engineers (NAFE) President-elect 2000; President 2001.

CONSULTING SERVICES (P/T 1973 - 1988, F/T 1989 - Present):

I. FORENSIC ENGINEERING:

Opinion Reports & Expert Testimony: Automobiles, Pedestrians, Bicycles, Motorcycles, Transit Vehicles, Subways, Railroads & Railroad Crossings (*Design & Construction*), Traffic Control Devices (*Traffic Signals & Signs - Design, Construction, Operations & Maintenance*), Roadway Construction and Detours .

Clients: Plaintiffs and Defendants; law firms, insurance companies, & governmental agencies.

II. TRANSPORTATION ENGINEERING:

Highway and Intersection Design: Projects in various states, including design, analysis, and implementation of traffic control devices, intersection geometrics, railroad crossings, roadway alignment, roadway classification, and street illumination.

Traffic Signal Design and Operations: Projects in various states, for public agencies and private developers, including design, analysis, and implementation of traffic control signals & devices, intersection geometrics and alignment, railroad crossings, capacity analysis, traffic signal timings, progression, cost estimation, and inspection.

Site Plan Design and Studies: Traffic studies and review of developer proposals for pedestrian and vehicle circulation, including operations of off-street parking facilities, gate controls, and handicap parking locations.

Transportation Design and Operations: Ridership projections, pedestrian & vehicle circulation studies, route analysis, location of bus stops, and design of multi-modal transportation terminal facilities.

Clients: Engineers, planners, private developers and public agencies.

PRIOR EMPLOYMENT HISTORY (6/62 - 3/89):

Civil/Traffic Engineer with governmental agencies for 26 years:

1971 - 1989	City of White Plains, NY - Dept. of Traffic.
1965 - 1971	City of New York - Dept. of Traffic.
1962 - 1965	New York State Dept. of Transportation, Region 10.

TEACHING EXPERIENCE:

Adjunct Instructor: Polytechnic University, Graduate Division.

Seminar Instructor: George Washington Univ., Continuing Graduate Education.
Privately conducted bi-annual "Traffic Signal Equipment and Intersection Design Seminar".

NATIONAL COMMITTEE: National Committee on Uniform Traffic Control Devices
Member of voluntary committee that proposes standards and guidelines for the USDOT Manual on Uniform Traffic Control Devices (MUTCD)

BOOK:

The Tappan Zee Bridge Where Do We Go From Here?
A Case Study Presenting a Metropolitan Regional Area Mass Transportation Master Plan
Published by Trafford, Victoria, B. C., Canada, June 2002

PAPERS:

1. ***"F.E. Review of causation of Multiple Accidents at a Railroad Grade Crossing"*** Presented at the National Academy of Forensic Engineers Seminar, *Sawgrass Marriott Hotel, Ponte Vedra, FL 07/01.*
2. ***"F.E. Analysis of Accidents at a Traffic Signal: Who Had the Green Light?"*** Presented at the National Academy of Forensic Engineers Seminar, Honolulu, HI 07/04. Published in NAFE Journal 12/04.
3. ***"A Regional Transportation Proposal"*** Article published in the ITE Metropolitan Section of New York and New Jersey, *TransTalk*, November 2002.

4. ***"F. E. Analysis of Railroad Event Recorders"***, Presented at the National Academy of Forensic Engineers Seminar, Norfolk, VA, 02/00. Published in the NAFE Journal 06/01.
5. ***"Railroad Grade Crossing Accidents"***, Presented to the Institute of Transportation Engineers, Boston, Mass 7/97. Published in the 1997 ITE Compendium of Technical Papers.
6. ***"Railroad-Highway Grade Crossing Accidents - The Problems"***, Presented to the National Academy of Forensic Engineers, Boston, Mass. 7/96. Published in the NAFE Journal 12/96.
7. ***"American With Disabilities Act & Its Effect On Legal Cases"***, Presented to the National Academy of Forensic Engineers, Portland, Oregon, 1/96. Published in the NAFE Journal 6/96.
8. ***"LRT and Major Arterials"***, THE NEW ELECTRIC RAILWAY JOURNAL, Winter 1993.
9. ***"Light Rail and Traffic Signaling"***, THE NEW ELECTRIC RAILWAY JOURNAL, Fall 1993.
10. ***"Vehicle-Pedestrian Accident Evaluation"***, Presented to the National Academy of Forensic Engineers, Hawaii, 1/93.
11. ***"Factors Involved in Bicycle Accidents at Railroad Crossings"***, (co-author). Presented to the National Academy of Forensic Engineers, Chicago, IL, 7/92.
12. ***"What is a Forensic Engineer?"***, WESTCHESTER BAR JOURNAL, Fall 1991.
13. ***"Parking Control Guidelines for the Design of Parking Facility Portals"***, ITE JOURNAL, (Institute of Transportation Engineers), 1/89.
14. ***"I-287/Westchester Expressway: The HOV Options"***, THE WESTCHESTER ENGINEER, 5/88.
15. ***"An Evaluation of Citizen Participation in Neighborhood Traffic Safety"***, presented to the Transportation Research Board., Wash. DC, 1/81.
16. ***"Community Perception of Neighborhood Traffic Safety Problems"***, (co-author), presented to the Institute of Transportation Engineers, 8/80.

MEMBERSHIP AND PROFESSIONAL SOCIETIES:

National Academy of Forensic Engineers (NAFE) - Fellow.

Board of Directors, President Elect 2000; President 2001.

Board Certified Diplomate in Forensic Engineering, thru Council of Engineering Specialty Boards (CESB)

National Society of Professional Engineers (NSPE) - Member.

American Society of Civil Engineers (ASCE) - Fellow.

Institute of Transportation Engineers (ITE) - Fellow.

ITE Review Committee for the Federal Manual of Uniform Traffic Control Devices,

ITE Expert Witness Council.

Metropolitan Association of Railroad Officers - (Professional Association of Railroad and Rail

Transit Operating Management in the NY, NJ & CT - Member.

American Association of Railroad Superintendents - Member.

Toastmasters International - Member.

Westchester Chamber of Commerce - Member

FRATERNAL ORGANIZATION AWARDS:

New York State F & A Masons "Master of the Year 1990".

Masonic Title "Grand Representative of the Grand Lodge of The State of Alagoas, Brazil"

2000 to 2006