Carl Berkowitz Ph.D., PE, AICP

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Transportation and Traffic Engineer:

Dr. Carl Berkowitz, Ph.D., PE, AICP has held various managerial and administrative positions in the transportation industry, government, private and academic sectors. He has extensive multi-modal experience in transportation; and has written and edited numerous reports, studies, and articles.

He is a Professional Engineer, and a member of the American Society of Civil Engineers (Fellow), Association of Pedestrian and Bicycle Professionals, Institute of Transportation Engineers, UK Charter Institute of Logistics and Transport, ASTM International, American Society of Safety Professionals, APICS, American Society of Mechanical Engineers, American Traffic Safety Service Assn., Biomechanical Engineering Society, Institute of Electrical and Electronic Engineers, Human Factors and Ergonomics Society, National Assn. of Railroad Safety Consultants and Investigators, American Institute of Certified Planners and APA, American Public Transportation Association, National Fire Protection Association and the American Railway Engineering and Maintenance of Way Association.

He holds a Bachelor's Degree in Civil Engineering and an MBA in Industrial Management from the City College of New York, and a Master's and a Ph.D. in Transportation Planning and Engineering from Polytechnic University (NYU-Tandon).

He was Distinguished Professor of Transportation and Director, Center for Intermodal Transportation Safety and Security (ITSS) at Florida Atlantic University, and Deputy Director, Florida University Consortium. Dr. Berkowitz was also Professor of Transportation and Aviation, Dowling College, National Aviation and Transportation Center and Adjunct and Visiting Professor at City University of New York.

Dr. Berkowitz also has offices located in Los Angeles/San Diego CA; Cherry Hill, NJ; Delray Beach, FL, and New York.

Practice:

- Pedestrian, passenger and worker safety for all modes of transportation (Including bicycles).
- Americans with Disabilities Act (ADA) compliance, accessibility, slip, misstep, trip, fall, sudden stops and starts, accessibility, slip, misstep, trip, fall, sudden stops and starts, trespass, perception-reaction time, operator error, same level falls, holes, depressions, falls from height and coefficient of friction.
- Safe walking for pedestrians, passengers, bicyclist (terminals, stations, bus stops, sidewalks, crosswalks, intersections, jetways, railroad crossings, parking facilities, escalators, elevators, ramps, people-movers and pathways.
- Geometric design, sight distance, speed-distance, safety and security, enforcement, collision avoidance, train-vehicle/train-pedestrian collisions, pedestrian-vehicle collisions and control devices.
- Vehicle operator mistakes, human factors, fatigue, human input/output and control, environment, distractions, and perception-reaction-time, emergency braking, stopping distance, line of sight and black box.
- Training (rules, regulations, and standard operating procedures), best practices, national standards of care and guidelines.
- Visibility, lighting conspicuity, information, control devices, pavement markings, Manual on Uniform Traffic Control Devices, Geometric Design of Highways and Streets.
- Hazard analysis, system safety, cause-consequence, and safety assessment.
- FELA, OSHA, and Jones Act workplace safety, workzone safety, and security.
- Biomechanics and musculoskeletal injuries, perception-reaction time, human factors.
- Transportation of the elderly, handicapped, and mentally disabled.
- Platform falls, platform crowding, door incidents, sudden movement, falls on buses and trains.
- Trains and bus accidents: stations, stops, shelters, pedestrians, passengers, on vehicle, on street.
- Student safety: school bus, bus stop location, walking, training and boarding bus.
- Parking facilities: design, operation and pedestrian safety.