

January 12, 2021

## **Richard M. Balgowan, PE, PP, CPM, CPWM, PWLF**

### **PROFESSIONAL EXPERIENCE**

2018 to **RM Balgowan Forensic & Engineering Services, LLC**

Present *President*

Provide technical services to attorneys, insurance companies, public authorities, road and street owners, trucking and railroad companies, and contractors for: highway engineering, municipal engineering, civil engineering, construction engineering, design, traffic safety, work zone safety, roadway maintenance/operations, premises and parking lots, etc.

2012 to **Robson Forensic, Inc.**

2018 *Associate*

Provide technical services to attorneys, insurance companies, public authorities, road and street owners, trucking and railroad companies, and contractors for: highway engineering, municipal engineering, civil engineering, construction engineering, design, traffic safety, work zone safety, roadway maintenance/operations, premises and parking lots, etc.

2011 to **Gannett Fleming, Inc.**, Mt. Laurel, New Jersey

2012 *Construction Manager*

Provided construction management services for New Jersey Turnpike Authority contracts for maintenance and reconstruction of bridges on the Garden State Parkway. Responsibilities included coordination of lane closings with traffic operations and supervision of staff for inspection of contractor's work. Work includes replacing concrete bridge deck panels; repairing deck spalls; repairing and reconstructing deck joints; repairing headers; removing asphalt surfacing; replacing bridge barrier parapets; placing new membrane waterproofing; resurfacing approach roadways and bridge decks; and performing substructure repairs, pavement markings, beam guide rail improvements and attachments, and related maintenance and protection of traffic. The project included extensive night work.

1990 to **R.M. Balgowan Engineering Associates, Inc.**, Hamilton, New Jersey

2011 *Founder/CEO*

Provided engineering services to public and privately owned dam owners. Work included dam inspections, analysis and preparation of engineering reports as required by the federal Environmental Protection Agency and State Department of Environmental Protection. Inspections were made to determine the structural stability of the dam, safety of the dam, operation and condition of the low level outlet, spillway, emergency spillway and earth embankment (dam) issues such as subsidence and seepage, etc. Also, performed hydrologic and hydraulic analysis of dams/spillways. Prepared plans and specifications for dam rehabilitation and provided oversight for repair work.

- 2004 to 2011 **Township of Hamilton**, Mercer County, New Jersey  
*Director of Public Works*  
Managed construction, operations and maintenance, permitting, facilities operations and maintenance, detention basins, dams, waste water treatment, solid waste management, parks, playgrounds and parking lot design and maintenance within the Township. This included 625 miles of roads (paved and unpaved), 58 bridges and culverts, 62 building structures/facilities and 49 parks including playgrounds, and all snow/ice control and other winter maintenance activities. Managed a staff of 189 personnel. Responsible for budgeting, procurement, and supervision of design, construction, and construction management contracts. Personally supervised 12 staff in the inspection of multiple concurrent projects.
- Projects included mill/resurfacing, concrete bridge deck repairs, traffic signal improvements, drainage improvements, and various concrete construction and repairs involving channelizing devices, curbs, sidewalks, retaining walls, roundabouts, etc. Created policies and procedures, resolutions, ordinances, etc. for dam safety (operations and maintenance plans, emergency action plans, etc.), incident management, implementing sustainable operating practices (energy conservation plan, alternative fuel policy, climate action plan, green fleet policy, recycling through township ecological facility, integrated pest management plan, anti-idling policy and sustainable building construction/rehabilitation plan using LEED rating system).
- 1997 to 2004 **New Jersey Department of Transportation**  
*Regional Maintenance Engineer, Division of Construction and Maintenance*  
Managed the operations and maintenance of the state highway system in New Jersey Department of Transportation's South Region. This included seven counties containing approximately 4,000 lane miles of roads and bridges, as well as 27 facilities including crew maintenance facilities, parking lots and rest areas. Work included the maintenance and reconstruction of state owned roadways (paved/unpaved), bridges, drainage structures, highway markings, shoulders and facilities, and snow/ice control and other winter roadway maintenance activities. Managed the Region's Construction, Engineering and Highway Permits Sections. Managed construction contracts for guiderail installation and repair, bridge painting with lead based paint removal, milling and paving and landscape mowing. Managed federalized maintenance projects approved through ISTEA and Transportation Trust Fund projects. These projects involved highway milling and paving, highway maintenance activities to extend the useful life of highways and highway appurtenances, etc.
- 1996 to 1997 **New Jersey Department of Transportation**  
*Program Manager, Capital Program Management*  
Managed projects in the Capital Program from inception to final completion (cradle to grave). This involved monitoring projects through the scope development, design stages, bid/award and construction stages. Some of the projects included pavement widening and new flyovers (bridges), a tunnel project which included design and construction of a park above the tunnel, projects for construction of longitudinal rumble strips and bridge deck reconstruction. Was directly responsible for managing ten Project Managers and four Project Coordinators.

- 1994 to 1996 **New Jersey Department of Transportation**  
*Regional Maintenance Engineer, Division of Construction and Maintenance*  
Managed the operation and maintenance of the state highway system in Region IV. This included state owned roadways (paved/unpaved), bridges and appurtenant structures, facilities and parking lots, etc.; responsible for administering and completing federalized maintenance projects and Transportation Trust Fund projects. These projects included highway resurfacing, drainage reconstruction, crack sealing of bituminous concrete pavements, concrete joint repair and bridge painting; prepared and reviewed design work for highway, bridge and drainage facilities; managed the maintenance of all NJDOT equipment in Region IV including relevant other agency equipment; managed Regional Permit Operations; managed snow/ice control and other winter roadway maintenance activities; managed Regional Maintenance Engineering Operations by increasing the utilization of standard engineering practices into its daily operations; developed and implemented a Maintenance Partnering Program with the various Counties and Municipalities in the Region.
- 1990 to 1994 **New Jersey Department of Transportation**  
*Project Engineer, Transportation*  
Responsible charge for the supervision of the engineering, permits and equipment sections within Region III; performed phase reviews of plans for construction projects scheduled for the Region; prepared design schemes for roadway, bridge and drainage facility improvements and repair; attended and authorized rejection or acceptance of work on corrective action, substantial completion, and final acceptance inspections for construction projects in the Region; initiated and implemented CADD and state of the art surveying methods in the engineering section; responsible charge of the Region's Emergency Control Center; investigated complaints and designed repair schemes; designed roadway, bridge, dam and drainage repair schemes, prepared work orders and plans for maintenance repairs and improvements to highways and structures.
- 1984 to 1990 **New Jersey Department of Transportation**  
*Principal Engineer, Transportation*  
Responsible charge for the supervision of the Bridge Engineering Unit, Bridge Maintenance Engineering Section, within the Bureau of Maintenance Engineering; supervised the development and administration of contracts and specifications for the repair of structures (e.g. bridges, dams, sign structures); prepared detail design schemes for maintenance repair work of bridges and dams; resident engineer on bridge maintenance contracts (Bridge Painting and Lead Based Paint Removal, Concrete Repair, Structural Steel Repair, Timber Repair. etc.); had the lead role in re-writing the NJDOT's standard specification for bridge painting and lead based paint removal, created the NJDOT's Dam Safety Section; supervised the engineering analysis of, inspection, permit acquisition and repair and development of Emergency Action Plans for all NJDOT dams; initiated and implemented CADD in the Bridge Engineering Unit and developed the five (5) year CADD/GIS plan for all of Construction and Maintenance; supervised the inspection and repair of all state owned bridges under twenty feet in length; worked on various special projects involving the application and research of Road Weather Information Systems and winter operations related

technologies; supervised the operation of and developed the Bridge Maintenance Management System; supervised the operation of the NJDOT's Central Emergency Control Center that coordinates snow and ice control operations and other emergent events throughout the state.

1980 to **New Jersey Department of Transportation**

1984 *Senior Engineer, Transportation*

Responsible for the supervision of Operations Unit within the Maintenance Management Section, Bureau of Maintenance; prepared detailed engineering reports; performed cost benefit analysis; developed specifications and evaluated procedures for the repairing of roads, structures and all other appurtenant elements of a highway system; assisted in the preparation of the annual budget; developed performance standards for construction and maintenance work; consulted with data processing in issuing change orders, certifying final acceptance of new systems and on the interaction of the maintenance system with other systems such as Fleet Management, Materials, Construction and Data Processing; worked in the Central Emergency Control Center utilizing sophisticated weather monitoring equipment to track winter weather events; worked on various snow and ice control related special projects (e.g., constant density spreaders, pre-wetted salt, ice detection systems, Road Weather Information Systems).

1977 to **New Jersey Department of Transportation**

1980 *Assistant Engineer, Transportation*

Did geometric design of roadways employing nationally recognized design standards and those of the New Jersey Department of Transportation. Design work included horizontal and vertical curves, etc. Prepared detailed engineering reports concerning maintenance performance standards for roads (paved/unpaved), bridges and highway appurtenances; evaluated new equipment and materials for use in construction and maintenance work; performed field audits; developed systems for planning and scheduling of work functions within maintenance; performed roadway design (horizontal and vertical geometry for roadway design projects).

1975 to **Township of Hamilton, Hamilton, New Jersey**

1977 *Surveying Crew Member*

Worked in a surveying crew laying out township roadway reconstruction projects; performed property surveys of township owned properties; surveyed and laid out controls for new athletic field construction, etc.

## **PROFESSIONAL CREDENTIALS**

Professional Engineer: NCEES, New Jersey, Delaware, Maryland, North Carolina, South Carolina, Pennsylvania, New Mexico, Texas, Colorado, New York, Connecticut, Washington.

Professional Planner: New Jersey

Certified Public Works Manager: New Jersey

Certified Public Manager: New Jersey

Certified Public Works Leadership Fellow

Certified Snow and Ice Control Supervisor, APWA.  
Asphalt Paving Construction Technologist: New Jersey Society of Asphalt Technologists, Inc.  
OSHA 10 Certified  
APWA- Public Works Leadership Fellow

## **EDUCATION**

B.S. Civil Engineering, New Jersey Institute of Technology

### Additional Training and Certifications

- 2020 American Public Works Association Winter Operations Summit. May 27-29, 2020.
  - Putting It All Together: Where are we at with liquids today. 05/29/2020
  - More Than a Paycheck: Leading People in a Modern Public Works Agency. 05/29/2020
  - Snow and Ice Control - Equipment and Techniques 05/29/2020. 1CLL Ask the Expert Panel. 05/29/2020
  - Operation Procedures to Enhance the Snow Fleet Before the Storms Hit. 05/28/2020
  - Ohio DOT Perspectives on Winter Maintenance Preparation & Available Resources. 05/28/2020
  - COVID-19: Leading People Through Difficult Times Jam Session. 05/28/2020
  - Taking It To the Streets. 05/28/2020
  - 15 Year Evolution of a Snow Maintenance Program. 05/27/2020
  - When is Enough... Enough?. 05/27/2020
  - Operational Forecasting for Winter Maintenance Programs Using Machine Learning Pavement Forecasts for Specific Winter Maintenance Strategies. 05/27/2020
- Texas Board of Professional Engineers and Land Surveyors Professional Engineering Practice Board Update and Ethics. June 3, 2020.
- Engineering Ethics for New Mexico Professional Engineers. May 18, 2020.
- Traffic Calming. Rutgers University, New Jersey Local Technical Assistance Program, Center for Advanced Infrastructure and Transportation. May 5, 6, 7, 2020.
- A Guide to Respiratory Protection. PDH Class. Continuing Education for Professional Engineers. PDHclass.com. April 18, 2020.
- Excavations. PDH Direct. March 31, 2020.
- Urban Hydrology. PDH Direct. March 31, 2020.
- 2010 ADA Standards for Accessible Design. PDH Direct. March 30, 2020.
- Distress Identification Manual for the Long-Term Pavement Performance. PDH Direct. March 30, 2020.
- Unsurfaced Road Maintenance Management. PDH Direct. March 30, 2020.
- Pavement Maintenance Management. PDH Direct. March 30, 2020.
- Soil Stabilization for Pavements. PDH Direct. March 30, 2020.

- Materials and Methods of Corrosion Control of Reinforced and Prestressed Concrete. February 10, 2020.
- Engineering Ethics for the North Carolina Professional Engineer. PDH Direct. February 9, 2020.
- Standards of Professional Conduct for Civil Engineers. PDH Direct. February 9, 2020.
- Transportation Research Board Annual Meeting, January 12-January 16, 2020
  - 1/13/2020 Alternative Practices in Winter Maintenance
  - 1/13/2020 Pedestrian Interactions with Other Road Users
  - 1/13/2020 Thin Hot-Mixed Asphalt Overlays for Preservation
  - 1/13/2020 Winter Maintenance Committee
  - 1/14/2020 Practical Advancements in Winter Maintenance
  - 1/14/2020 Surface Transportation Weather Committee
  - 1/14/2020 Roundabout Implementation: A Look at Noteworthy Practices
  - 1/14/2020 Pavement Maintenance: Surface Treatments & Patching Materials
  - 1/15/2020 Driving and the Technology of Weather
  - 1/15/2020 Driver Distraction and Fatigue
  - 1/15/2020 Corrosion Committee
- Construction Worker Safety, PDH Direct, January 2, 2019.
- Excavation, PDH Direct, January 2, 2019.
- State of Texas Ethics for Professional Engineers, PDH Direct, January 2019.
- Distress Identification for Long-Term Pavement Performance, PDH Direct, January 2019.
- Pavement Maintenance Management, PDH Direct, January 2019.
- Traffic Control Coordinator Program, APWA/Rutgers University, December 7, 2018.
- Liability in Construction and Maintenance, presented at the New Jersey League of Municipalities. November 15, 2018.
- New Jersey Engineering Ethics, November 4, 2018
- Bridge Inspection, Maintenance and Repair Module 1, PDH Direct, January 2018
- Engineering and Design Evaluation and Repair of Concrete Structures Final Exam, PDH Direct, January 2018
- Pennsylvania Laws, Rules and Ethics Final Exam, PDH Direct, January 2018
- Soil Stabilization for Pavements Final Exam, PDH Direct, January 2018
- Standards of Professional Conduct for Civil Engineers Final Exam, PDH Direct, January 2018
- Unsurfaced Road Maintenance Management Final Exam, PDH Direct, January 2018
- Causes of Distress and Deterioration of Concrete, PDH Direct, April 2017
- Bridge Inspection, Maintenance and Repair, PDH Direct, April 2017
- Construction Site Storm Water Runoff Control, PDH Direct, April 2017
- Bearing Capacity of Soils, PDH Direct, November 2016
- Pavement Distress Identification, PDH Direct, November 2016
- 2010 ADA Standards for Accessible Design, PDH Direct, October 2016
- Unsurfaced Road Maintenance Management, PDH Direct, October 2016
- Standard Practice for Sealing Joints and Cracks in Rigid and Flexible Pavements, PDH Direct, October 2016
- Corrosion Theory, PDH Direct, October 2016

- Cathodic Protection Systems for Civil Work Structures, PDH Direct, October 2016
- Ethics for Texas Engineers, Professional Education Services, April 2016
- Ethics NSPE Final Exam, PDH Direct, April 2016
- Ethical Choices: Daily Decisions for Engineers, Rutgers University, October 2015
- Guidelines for Guiderail and Median Barrier Design, Rutgers University, August 2015
- APWA Combined Technical Committee's Conference, March, 2015
- Transportation Research Board, 94th Annual Meeting, January 2015
- W-Beam Guardrail Design
- Pedestrian and Driver Behavioral Influences on Pedestrian Safety
- Weather Effects on Roadways
- Supply Chains and Policies
- Evaluation of Innovative Pedestrian Crossing Treatments
- Advances in Work Zone Safety
- Pavement Distress: AASHTO Protocols and Structural Evaluation
- Advances in Technology, Facilities, and Operations for Winter Maintenance
- Performance Evaluation of Retroreflective Traffic Signs
- Subsurface Flow/Gravel Wetlands, 2014
- Analysis and Assessment of Roundabouts, 2014
- Complying with the MUTCD: Traffic Signing for Horizontal Curves, 2014
- Engineering Treatments and Design Development Strategies for Creating Safe Routes to Schools, 2014
- Transportation Research Board, 93rd Annual Meeting, January 2014
- Work Zone Traffic Control for Safety and Mobility
- Advances in Materials and Equipment for Winter Maintenance
- Infrastructure Corrosion, Part 1
- Safety and Weather in Surface Transportation
- Infrastructure Corrosion, Part 2
- Sustainability: 20 Years in the Past and 20 Years in the Future
- Work Zone Traffic Control for Safety and Mobility
- Vehicle Speeds in Work Zones
- Motorcycle Crashes: Understanding and Controlling Contributing Factors and Injury Severity
- Roundabouts from A to Z
- Crack Sealing and Crack Filling of Asphalt Pavements
- Roundabout Perception and Reality: Speed, Pedestrians, Capacity
- APWA Winter Maintenance Supervisor Workshop, April 2013
- Infrastructure Corrosion, January 2013
- Weather Impacts on Surface Transportation, January 2013
- Moisture Damage Characterization of Asphalt Mixtures, January 2013
- Assessing Potential Impacts of Climate Change on Transportation Infrastructure, January 2013
- Roundabout Research: Gaining Better Knowledge, January 2013
- Roundabouts: Smarter Intersections, January 2013
- Steel Bridge Coating Systems, Part 1, January. 2013
- Steel Bridge Coating Systems, Part 2, January 2013

- Evaluating Effectiveness of Sealing Portland Cement Concrete Joints, January. 2013
- Pavement Maintenance Patching and Repair Practices, January 2013
- Managing Snow and Ice Control Operations, University of Wisconsin, College of Engineering, Dept. of Engineering Professional Development, October 2012
- ADA Basics and Work Zone Considerations, American Public Works Association, New Jersey Chapter, September 2012
- Weather - The Next Step in Understanding, July 2012
- Guidelines on the Use of Auxiliary through Lanes at Signalized Intersections, July 2012
- Certificate in Supervisory Management, Rutgers University
- Asphalt Technology Certificate (Asphalt Paving Construction Technologist)
- OSHA 10HR Safety Training, 2012
- Public Works Delegation to Russia, 2011
- Personal Protective Equipment, 2011
- Fall Protection, 2011
- Work Zone Safety Awareness, 2011
- Sustainability for Public Works Operations, 2011
- USGBC- NJ LEED Green Associate Review, 2011
- Alternatives for Snow and Ice Management, 2011
- Recycling Incentives and Solid Waste Diversion, 2010
- Traffic Sign Reflectivity and New Sign Requirements, 2010
- Progressive Discipline, 2010
- National Incident Management System- ICS-402 for Executives, 2010
- Public Works Delegation to China, 2009
- Preventing Sexual Harassment and Other Hostile Behaviors in the Workplace, 2009
- Communication and Conflict Management, 2009
- Performance Measurement Benchmarking, 2009
- Effect of Budget on Public Works as it Relates to Economy and Today, 2009
- New Jersey Compost Operator Certification, 2009
- Winter Roads Maintenance, 2007
- Confined Space Awareness, 2006
- Safe and Effective Winter Maintenance Products, 2006
- System Security Awareness, 2004
- Preparing for and Responding to Terrorism/Weapons of Mass Destruction, 2003
- Using Recycled Materials in Road Construction and Maintenance, 1999
- Needs Assessment Overview, 1999
- Project Management, 1996
- International Transportation Weather Workshop, 1995
- Highway Program Financing, 1995
- HEC 1- Hydrology, 1992
- Bridge Painting Inspection, 1988
- Meteorology and Weather Radar Training, 1986
- Problem Solving and Decision Making, 1986
- Culvert Inspection, 1986
- Geotextile Engineering, 1985

- Techniques for Pavement Rehabilitation, 1983
- Grievance Handling for Supervisory Employees, 1982
- HEC-2
- TR-55, TR-20
- Dambrk (Dam Break Analysis)
- Engineering Ethics: The Professional Engineer's Challenge

## **PROFESSIONAL AFFILIATIONS**

New Jersey Public Works Association  
 National Society of Professional Engineers  
 American Society of Civil Engineers  
 American Public Works Association  
     Executive Board, Secretary, New Jersey Chapter  
     Vice President, Southern Branch, New Jersey Chapter  
     Subcommittee Member, Winter Maintenance – National  
     Committee Member, Sustainability

Transportation Research Board  
     Committee Member, Winter Maintenance  
     Subcommittee Member, Sustainability  
     Subcommittee Member, Snow Chemicals  
     Committee Member, Surface Transportation Weather, AH010  
     Committee Member, Corrosion

Snow and Ice Management Association (SIMA)

Journal of Public Works and Infrastructure Editorial Board Member  
 Journal of Town and City Management Editorial Board Member: United States Green Building Council  
 ICLEI- Local Governments for Sustainability  
 Rutgers University, Coadjutant Instructor

### **Past memberships and affiliations include:**

American Society of Dam Safety Officials (ASDSO)  
 American Society of Dam Safety Officials Technical Committee  
 Expert Task Group for Strategic Highway Research Program H-207 (Storm Monitoring and Communications)  
 NJDOT SHRP Subcommittee on Highway Operations & Maintenance (SHRP Implementation Committee)  
 NJDOT Construction & Maintenance CADD/GIS Implementation Committee  
 NJDOT Metrication Task Force  
 Steel Structures Painting Council (SSPC) Committees on Lead Based Paint Removal, Specifications Maintenance Repainting, Quality Assurance and Contractor certification  
 NJDOT Division of Construction/Maintenance computer committee  
 NJDOT Bridge Painting and Lead Based Paint Removal Task Force

Hamilton Township Environmental Commission Administrative Liaison

## **AWARDS**

American Public Works Association (APWA) Special Recognition Award. November 2018.  
Walter A. Schaffer Merit Award, New Jersey Chapter American Public Works Association, 2013  
Leadership in Sustainability Award, ICLEI - Local Governments for Sustainability, 2010  
Richard E. Rohrbach American Public Works Association Leader of the Year for New Jersey, 2009  
Teamwork Partnership Achievement Award for the Route 70 Friendship Creek Bridge Collapse, 2005  
Customer Service Excellence Award (Casino Garage Collapse Support Team) (2004)  
Teamwork/Partnership Achievement Award, 2003  
Teamwork Partnership Award for the Route 9 Bridge over the Forked River Failure/Replacement, 1991  
Achievement Award for the development of a computerized pavement and atmospheric weather information system  
Achievement Award for the efforts made in implementing SHRP developed technologies relative to Highway Operations and Maintenance into NJDOT practices

## **PUBLICATIONS**

Multiple papers published in major industry journals, such as the Journal of Public Works and Infrastructure, Transportation Research News, Government Solutions, and APWA Reporter, among others:

Balgowan, Richard M. "Installation of Road Plates," APWA Reporter, August 2017.  
Balgowan, Richard M. "Pavement and Shoulder Edge Drop-Offs," APWA Reporter, August 2014.  
Balgowan, Richard M. "The Proper Installation of Steel Road Plates," APWA Reporter, June 2014.  
Balgowan, Richard M. "The Importance of Establishing Levels of Service for Winter Operations." APWA Reporter, Winter Maintenance Operations Issue, November 2010.  
Balgowan, Richard M. "Pre-Storm Strategy and Post-Storm Assessment Meetings." APWA Reporter, Winter Maintenance Operations Issue, November 2010.  
Balgowan, Richard M. "Getting the Most Out of Winter Weather Forecasting Services." Transportation Research News, Transportation Research Board of the National Academies, Anatomy of Change in Winter Maintenance Issue, No. 265, November-December 2009.  
Balgowan, Richard M. "Winter Operations Management and Geographical Information Systems." Journal of Public Works and Infrastructure, Vol. 2, No. 1, August 2009.

## **PRESENTATIONS and SPEAKING ENGAGEMENTS**

Numerous presentations and public speaking appearances for the Transportation Research Board, Strategic Highway Research Program, Federal Highway Administration, American Public Works Association, Rutgers, State University of New Jersey, University of Wisconsin, among others and State DOTs such as Maryland, Pennsylvania, Colorado, Connecticut and New Jersey, including:

- "Liability in Construction and Maintenance", presented at the New Jersey League of Municipalities. November 15, 2018.
- "Traffic Control Coordinator Program", 15 classes annually. Each class 8 hours long.

American Public Works Association through Rutgers University. November 2018 through December 2020.

- “Winter Operations: Snow and Ice Control for Managers and Supervisors”, a six-hour presentation for the American Public Works Association through Rutgers University. October 25, 2018.
- “Premises Liability”. Maryland Association for Justice. February 19, 2018.
- “Winter Operations – Snow and Ice Control for Managers and Supervisors,” a six-hour presentation for the American Public Works Association. Rutgers University, August 2013, June 2014, October 2016-2019.
- Litigation Summit, Philadelphia, September 10, 2015
- “Snow and Ice Control- ~~Best~~ Bad Practices,” Public Works Association of New Jersey, Atlantic City, NJ, March 18-19, 2015
- “Winter Maintenance Management,” a two-hour presentation as part of a two-day course on Managing Snow and Ice Control Operations for University of Wisconsin, Dept. of Engineering Professional Development, Macungie, PA and Madison, WI, October 2013. Allentown, PA and Madison, WI, October 2012
- “Roundabouts- Local Perspectives and Lessons Learned,” Northeast U.S., Roundabouts Peer Exchange, FHWA Office of Safety, Connecticut DOT, Newington, CT, July 7-8, 2010

## **MEDIA**

Interviewed by Eric Rasmussen of FOX25 News regarding "Woman killed after manhole cover strikes car on Rt. 93." Boston, Massachusetts, February 12, 2016

Numerous interviews with television channels 3, 4, 6, 10, NJ 12, NJ 25 and the Trenton Times, Trentonian and Star Ledger newspapers regarding snow and ice control, traffic calming and other highway/street topics. 1992-2004.

Interviewed by John Cichowski (The Road Warrior) and cited in the article “Trucker blames NJ DOT for concrete that fell from Teaneck Bridge and pierced his skull”.

(<https://www.northjersey.com/story/news/columnists/john-cichowski/2018/04/08/trucker-blames-nj-dot-concrete-fell-teaneck-bridge-and-pierced-his-skull/491268002/>). April 8, 2018.