

WILLIAM F. LYONS JR., PE, PP, ESQ

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EDUCATION

JANUARY 2007	Suffolk University Law School <i>Juris Doctor, Environmental Law and Land Use Law</i> <i>Suffolk University Environmental Jurisprudence Award</i>
JULY 2019	University of Cambridge (UK) <i>Master of Studies, Sustainability Leadership</i> Dissertation: “ <i>The Nexus Between Urban Design and Human Security</i> ”
AUGUST 2013	North Dakota State University <i>Master of Transportation and Urban Systems</i> Program Research Paper: “ <i>Sustainable Transport in the Developing World: A Case Study of Bogota’s Mobility Strategy and TransMilenio</i> ”
AUGUST 2013	US Army War College <i>Master of Strategic Studies</i> Program Research Paper: “ <i>A New Strategic Framework – Development as an Instrument of Power</i> ”
AUGUST 2012	Upper Great Plains Transportation Institute <i>Transportation Leadership Graduate Certificate</i>
MAY 1990	Norwich University <i>Bachelor of Science in Electrical Engineering</i>
AUGUST 2008	Cochise College <i>Associate of Applied Science, Intelligence Operations</i>

EXPERIENCE

2009 - PRESENT	Fort Hill Companies LLC <i>Founding Partner, President, & Chief Executive Officer</i> Planning, Permitting, and Design for the Built Environment. Architecture, Engineering, Environmental and Land Use Permitting. Master Planning and Land Use Planning.
2014 - PRESENT	SixTen Technologies LLC <i>Founder/Owner</i> Transportation Technology Design & Development
2016 - 2018	Burns & Levinson LLP <i>Of Counsel Attorney</i> Real Estate Law, Environmental Law, Construction Law, Public Private Partnerships (P3).

WILLIAM F. LYONS JR., PE, PP, ESQ

- 2007 - 2016 **Law Office of Wm F Lyons Jr.**
Attorney at Law
Real Estate Law, Environmental Law, Land Use Law.
- 2004 - 2009 **Traffic Solutions LLC**
President
Transportation Policy, Planning, and Engineering
- 2007 - 2009 **Land Strategies Group LLC**
Director and General Counsel
Real Estate and Land Development Advisory Services
- 1999 - 2004 **City of Somerville, Massachusetts**
Director of Traffic & Parking
Municipal Public Works, Municipal Transportation Engineering
- 1994 - 1999 **Highway & Traffic Signal Design, Inc.**
Department Head & Senior Project Manager
Transportation Planning, Traffic Engineering, Roadway Design
- 1992 - 1994 **Massachusetts Highway Department (now MassDOT)**
Civil Engineer I
Traffic Engineering, Civil Engineering, ITS Programs
- 1989 - PRESENT **United States Army Reserve**
Colonel. Currently the Deputy G4 of the US Army Corps of Engineers. Command at brigade, battalion, & company levels. Combat veteran. Bronze Star Medal. Emergency Preparedness Liaison Officer for FEMA. Graduate of US Army War College, Command & General Staff College and Joint Forces Staff College.

ACADEMIC APPOINTMENTS & EXPERIENCE

- 2019 - PRESENT **Norwich University**
Senior Fellow
Program: Center for Global Resilience & Security
Engages in collaborative research activities in the fields of Environmental Security, Energy Resilience, and Resilient Infrastructure. Presents independent and collaborative work at Norwich University hosted or supported events. Mentors and/or serves as an external adviser to undergraduate students engaged in research related to the CGRS initiatives.
- 2019 - PRESENT **University of Massachusetts – Amherst**
PhD Candidate and Dwight D. Eisenhower Fellow
Program: Transportation Engineering
Conducts graduate level research in transportation related topics. Currently focused on social and economic impacts due to new urban mobility. Develop new courses on policy and planning.

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- 2016 - PRESENT **Wentworth Institute of Technology**
Adjunct Faculty/Lecturer
Program: Master of Science in Construction Management
Course: Negotiation & Conflict Resolution
Blended on-line and classroom delivery. Responsible for syllabus and content development; Administration of an LMS
- 2018 - PRESENT **Southern New Hampshire University**
Adjunct Faculty/Instructor
Program: Master of Science in Management (Construction Mgt)
Course: Construction Law & Contracts
On-Line Delivery using an LMS

Program: Master of Science in Organizational Leadership
Course: Entrepreneurship and Small Business Management
On-Line Delivery using an LMS
- 2008 - 2010 **US Army Command & General Staff College**
Adjunct Faculty
Program: Command & General Staff Officers Course
Grading and advising in the graduate, non-degree producing distance learning program.

AWARDS

- 2003 **Boston Society of Civil Engineers**
Bertram Berger Young Engineer of the Year Award
- 2007 **Suffolk University Law School**
Jurisprudence Award in Environmental Law
- 2014 **Boston Society of Civil Engineers**
President's Award

PROFESSIONAL LICENSES AND CERTIFICATIONS

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| PROFESSIONAL ENGINEER | Massachusetts, California, New Hampshire, Rhode Island, New Jersey, Maine, Vermont, Connecticut, Florida |
| PROFESSIONAL PLANNER | New Jersey |
| LICENSED ATTORNEY | Massachusetts |
| REAL ESTATE BROKER | Massachusetts |

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CERTIFICATIONS American Institute of Certified Planners (AICP), Certified Transportation Planner (CTP)
Transportation Professional Certification Board, Professional Traffic Operations Engineer (PTOE)
Transportation Professional Certification Board, Professional Transportation Planner (PTP)
Envision Sustainability Professional (ENV SP)

PROFESSIONAL AFFILIATIONS AND SERVICE

2001-02 **Institute of Transportation Engineers**
2005 International Task Force on Ethics
1998-99 Northeast District Nominating Committee, Chair
2003 Northeast District Student Chapter Coordinator
1999-2003 New England Section, President
1999-2000 New England Section, Board of Directors
1999-2000 New England CHRONICLE, Editor
1997-1999 New England Section, Legislative Liaison
1992-1994 New England Section, Young Professionals Group, Chair

Urban Land Institute
2017-Present National Public Development & Infrastructure Council
2017-Present National Driverless Vehicles Working Group
2013-2016 ULI Boston Infrastructure Council, Chair

Boston Society of Civil Engineers
2016-2016 Government Affairs & Professional Practice Committee, Chair

2014-Present **Society of American Military Engineers**
Joint Engineer Contingency Operations Committee

2000-Present **American Planning Association**

2017-Present **Engineers Without Borders**

CIVIC AND VOLUNTEER ACTIVITIES

2013-PRESENT **Norwich University Alumni Association**
Board of Directors, President (Current)

2017-PRESENT **Camp Arrowhead Amputee Recreation Area, Inc.**
Board of Directors

2013 **US International Trade Administration**
Trade Mission to South India & Sri Lanka, Delegate

2013-2015 **Greater Boston Bus Rapid Transit Study**

2013-2014 **City of Boston Green Ribbon Committee**
Transportation Steering Committee

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2009-2010	Massachusetts Legislature, Joint Committee on Transportation Boston Society of Civil Engineers Legislative Fellow
2006-2010	Massachusetts Dept of Housing & Community Development Designer Selection Committee (Vice Chair, 2010)
	Town of Natick, MA
1993-1996	Planning Board, Elected Member
1993-1997	Town Meeting, Elected Member
1995-1996	Municipal Complex Advisory Committee
1995-1997	William Rizzo Community Foundation Board of Directors

PEER REVIEWED PUBLICATIONS

- “Sustainable Transport in the Developing World: Bogota’s Mobility Strategy and Lessons Learned for Sustainable Urban Mobility,” Proceedings of the International Conference on Sustainable Infrastructure, American Society of Civil Engineers, October 2017
- “A New Strategic Framework: Development as an Instrument of American Power,” Simmons Center for the Study of Interagency Coordination, January 2015.
- “Funding for Transit: Past, Present, and Future,” Journal of Planning & Environmental Law, American Planning Association, May 2013
- “Estimating Gaps for Pedestrian Traffic Signals,” Proceedings of the Annual Meeting of the Institute of Transportation Engineers, August 2006 (co-author)
- “Effectiveness of Strobes on Improving Violation Rates at Pedestrian Signals,” ITE Journal, Institute of Transportation Engineers, November 2005 (co-author)

ADDITIONAL PUBLICATIONS

- “Autonomous Vehicles: A Primer for the Civil Engineering Community,” Boston Society of Civil Engineers Section Newsletter, September 2017
- “Avoiding Tort and Criminal Liability for Older Drivers: A Social Imperative,” New England Chronicle, New England Institute of Transportation Engineers, March 2016
- “The Intersection of Roadway Design and Tort Liability,” Subrogator Magazine, July 2015 (co-author)
- “Facilities, Infrastructure and Theater Security Cooperation Planning,” The Military Engineer, July 2015 (co-author)
- “Utility Poles as a Roadside Hazard: The Intersection of Roadway Design and Tort Liability,” Claims Magazine, Property & Casualty 360, February 2015 (co-author)
- “Utility Poles as a Roadside Hazard: The Intersection of Roadway Design and Tort Liability,” New England Chronicle, New England Institute of Transportation Engineers, February 2015 (co-author)
- “Application of Electrical Circuit Theory to Traffic Calming Planning & Implementation,” New England Chronicle, New England Institute of Transportation Engineers, May 2014

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- “A Transportation Option: Local Option Taxes. With New State Funds Unlikely, Cities Need to Act,” Commonwealth Magazine, March 24, 2014 (co-author)
- “US Contractor Engineering Support to Contingency Operations: The Essential Role of US Design Firms,” The Army Engineer, March 1, 2014
- “Funding for Transit: Past, Present, and Future. What it Means for the MBTA,” Boston Society of Civil Engineers, Section Newsletter, April 2013
- “Fare Increases, Ridership, and Economic Development,” New England Chronicle, New England Institute of Transportation Engineers, May 2013
- “Designer Selection Committee Supports Affordable Housing,” Boston Society of Civil Engineers, Section Newsletter, December 2008
- “Designing Traffic Signals for Full Accessibility,” New England Chronicle, New England Institute of Transportation Engineers, August 1995 (co-author)
- “The Application of Advanced Traffic Control Devices: Intelligent Transportation Systems for Suburban Communities,” IMSA Journal, International Municipal Signal Association, January 1996
- “Parking Enforcement and Residential Permit Parking Programs: The Somerville Experience,” Parking Today, June 2004 (co-author)
- “Security for the Built Environment,” The Military Engineer, Society of American Military Engineers, September 2004
- “Transportation Systems Security: A New Imperative,” New England Chronicle, New England Institute of Transportation Engineers, September 2004
- “Massachusetts DEP Clarifies Jurisdiction Under the Wetlands Protection Act,” The Green Gavel, Suffolk University Environmental Law Society, Spring 2005

PRESENTATIONS AND SPEAKING ENGAGEMENTS

- “Environment, Climate, and National Security: Turning the Tide for a More Secure Planet,” Norwich University Center for Global Resilience and Security, March 2019
- “Innovative Infrastructure Financing and Public Private Partnerships,” Boston Society of Civil Engineers, February 2018
- “Autonomous Vehicles and Their Impact on Transportation Finance and P3s,” Transportation Bond Buyers Conference, November 2017
- “Sustainable Transport in the Developing World: Bogota’s Mobility Strategy and Lessons Learned for Sustainable Urban Mobility,” International Conference on Sustainable Infrastructure, American Society of Civil Engineers, October 2017
- “Comprehensive Mobility Planning for Urban Residential Development,” Southern New England American Planning Association Conference, October 2017
- “Innovative Affordable Housing Production Using Public Assets,” Southern New England American Planning Association Conference, October 2017
- “Urban Development, Parking, and Mobility – The Portland Story,” Southern New England American Planning Association Conference, October 2017
- “Sustainable Mobility in the Digital Age,” Cambridge Institute for Sustainability Leadership, University of Cambridge, July 2017
- “Integrated Mobility Planning,” National Multifamily Housing Council, Board of Directors Meeting, May 2017

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- “Sustainable Mobility in The Age of The Internet of Things,” Panelist, Institute of Transportation Engineers, Northeast District, May 2017
- “Public Private Partnerships - The Port of Miami Access Tunnel and P3 Developments.” Moderator of Joe Aiello Presentation, Boston Society of Civil Engineers, April 2017
- “Boots to Business Reboot,” Panelist, Small Business Administration Workshop for Veteran Entrepreneurs, November 2016
- “Utility Poles as a Roadside Hazard: The Intersection of Roadway Design and Tort Liability,” Panelist, National Association of Subrogation Professionals, October 2016
- “Autonomous Vehicles & The Transportation Theory of Everything,” Panelist, Institute of Transportation Engineers, Northeast District, May 2016
- “The Coming Revolution in Highway User Fees: New Technology and Pilot Programs for VMT,” Panelist, Institute of Transportation Engineers, Northeast District, May 2016
- “Developing for a Driverless World,” Urban Land Institute Boston, Moderator, July 2016
- “The Massachusetts Transportation Program - A Legislative Update,” moderator, Boston Society of Civil Engineers, March 2016
- “Public Private Partnerships (P3): Round Table Discussion on the Funding Source to Rebuild America's Infrastructure,” Boston Society of Civil Engineers, 2016
- Keynote Speaker, Engineering Convocation, David Crawford School of Engineering, Norwich University, 2012
- “Legislative Perspectives on Transportation Funding”, Intelligent Transportation Society of America, Massachusetts Chapter, Annual Meeting, 2009
- “Estimating Gaps for Pedestrian Traffic Signals,” International Annual Meeting of the Institute of Transportation Engineers, 2006
- “Y2K Implications for Traffic Signal Operations,” Institute of Transportation Engineers (ITE), District #1 Annual Meeting, 1999
- “Advanced Traffic Management Systems for Municipalities,” American Public Works Association (APWA), New England Chapter Annual Meeting, 1997
- “Intelligent Transportation Systems in the Suburban Environment,” International Municipal Signal Association (IMSA), New England Section Annual Meeting, 1996

PRESS

- “Automotive Automation, Driverless Cars Will Radically Change Real Estate, Disruption is Coming to Commutes, Land Use and Urban Design,” Banker & Tradesman, February 2018
- “Connected and Autonomous Vehicles,” Featured Guest, Civil Engineering Today, Boston News Network, November 2017
- “Massachusetts Aging Infrastructure with Christine Hayes,” WERS 88.9 Emerson College Radio - You Are Here: Abigail Collin's State of The Union, February 17, 2013
- “The Muddy River Restoration and Environmental Remediation Project,” Featured Guest, Civil Engineering Today, Boston News Network, July 2016