

### YEARS OF EXPERIENCE

16

### EDUCATION

BS, Civil Engineering, University of Notre Dame, Notre Dame, IN

BA, Engineering/Physics (minor), Stonehill College, North Easton, MA

### PROFESSIONAL REGISTRATIONS

Professional Engineer: Traffic, MA

Leadership in Energy and Environmental Design (LEED) Accredited Professional

### PROFESSIONAL AFFILIATIONS

- Institute of Transportation Engineers (ITE)
- ITE Technical Committee
- American Public Works Association (APWA)
- American Society of Civil Engineers (ASCE)
- Boston Society of Civil Engineers (BSCE)
- Massachusetts Highway Association
- Essex County Highway Association
- Worcester County Highway Association
- Norfolk Bristol Middlesex Highway Association
- Plymouth County Highway Association
- Barnstable County Highway Association

*"on-call General Services contract... totaling approximately \$6 million"*

### HIGHLIGHTS OF EXPERIENCE

Mr. James Fitzgerald serves as Principal – Municipal Group Leader. He has extensive experience in a wide variety of transportation projects throughout Massachusetts for numerous municipalities, private clients, and MassHighway.

Mr. Fitzgerald's experience includes performing and overseeing all areas of transportation engineering from in-depth traffic studies to multi-faceted analyses to complete highway/ intersection designs to providing professional guidance to clients. His study experience includes functional design reports, traffic studies, safety studies, impact and access studies, and Environmental Impact Reports (EIR). Signal design experience varies from simple isolated intersections to numerous interconnected intersections that are part of closed loop systems.

With project locations ranging from urban town centers to rural freeway interchanges, Mr. Fitzgerald remains sensitive in providing improvements that are appropriate to the character of roadway at hand. He has significant traffic management design experience for intersection, highway and bridge reconstruction projects as well as traffic calming experience. Jim is also responsible for contract and fee preparations, public coordination and presentations, project budget, scheduling and staffing, providing professional advice during construction, performing peer reviews and attending to the needs of the client.

### PROJECT EXPERIENCE

**Locust Street (Route 35) at Wenham Street, Danvers, MA** Project Manager for the design and preparation of bid documents for an intersection reconstruction project adjacent to a historic site. Improvements included safety, drainage, and alignment improvements as well as ADA complaint pedestrian walkways that are context sensitive.

**Route 128 at Brimbal Ave. Interchange, Beverly, MA** Served as Project Manager of the EIR portion of the Route 128 at Brimbal Ave. interchange reconstruction project anticipated to improve safety and reduce congestion, having an estimated construction cost of \$14 million.

**General Services, Watertown, MA** Project Manager of an on-call General Services contract that includes a variety of projects from roadway and intersection design and bid document preparation to peer review services to multi-modal traffic studies to traffic calming totaling over \$6 million in construction costs. Projects include:

- Reconstruction of Waverley Ave.
- Traffic Calming at 2 Schools
- Reconstruction of Common St.
- MBTA Bus Study
- Reconstruction of Orchard St.
- 3 Locations

*"improves safety and operation...  
in a historic setting"*

**Route 110, Merrimac, MA** Project Manager for the reconstruction of one mile of Route 110 including Merrimac Center. The project included extensive coordination with and presentations to the public, Town, and MassHighway in order to reach consensus on a scheme for a major reconfiguration of the Center that improves safety and operation while providing a pedestrian-friendly environment that maximizes parking in a historic setting.

*"town-wide inventory...  
to guide future planning"*

**Traffic Signal Inventory, Peabody and Watertown, MA** Oversaw and coordinated all facets of town-wide inventory projects that resulted in reports to guide future planning of infrastructure improvements.

*"permitting assistance for  
400,000 sf... development"*

**Traffic Calming, Watertown, MA** Project Manager for studies that investigated traffic patterns and driver behavior through residential neighborhoods including Maplewood St. and Waverley Ave. where speed and accidents are of concern and designed alternatives for traffic calming.

*"negotiating additional mitigation  
where appropriate"*

**Trade Center Park, Woburn, MA** Project Manager of traffic impact study and permitting assistance for the 400,000sf Trade Center Park development. Project included extensive study of surrounding roadway network, mitigation design including reconfiguration of major intersections, permitting, public presentations, construction services, and monitoring.

**Peer Review, Statewide, MA** Performed peer reviews of impact studies for several municipalities throughout MA to ensure accuracy, thoroughness, and adequate mitigation to accommodate development generated traffic. Assisted municipalities in representing them and negotiating additional mitigation where appropriate. Locations include:

- Page Point, Stoughton
- Route 109, Millis
- Water St., Watertown
- Makepeace, Plymouth
- Atrium School, Watertown
- Herring Brook, Scituate

*"safety improvements at  
high accident locations"*

**MassHighway Traffic Signal Upgrade Contracts, Statewide, MA** Project Manager or Project Engineer for the vast majority of two open-ended traffic signal contracts with MassHighway. Projects involved safety improvements at high accident locations throughout the state. The following is a partial list of projects:

- Sudbury (Rte. 20 at Concord St.)
- Boston (Columbia Rd. at I-93)
- Revere (Rte. 1A at Oak Island St.)
- Grafton (Rte. 140 at Route 122)
- West Boylston (Rte. 140)
- Reading (Three Locations)
- Millbury (Four Locations)
- N. Attleboro (Route 1 at Elm St.)
- Billerica (Five Locations)
- Burlington (Rte. 3A at Bedford St.)
- Littleton (Rte. 2A/119 at Shaker Ln.)
- Weymouth (Pleasant St. at Park Ave.)

*"Assisted in securing...  
\$1.6 million"*

- Middleboro (Rte. 28 at Wood St.) -Tewksbury (Rte.38 at Shawsheen St.)

**Reconstruction of Stoughton Center, Stoughton, MA** Project Manager for the reconstruction of the heavily congested Stoughton Center. Provided traffic and pedestrian safety improvements, organized traffic flow, and provided aesthetic enhancements to promote economic growth and to enhance historic charm. The project included traffic and parking studies, extensive coordination with the public, and design of the reconfigured Center including coordinated traffic signal installations. Assisted in securing Public Work Economic Development (PWED) grant for \$1.6 million to pay for the design and construction of the project.

**General Services Contract, Avon, MA** Project Manager of a \$300K contract providing the Town with waterline improvements, drainage study services, and the reconstruction of three roadways totaling 2½ miles. Intersection improvements and realignment were included.

**Reconstruction Bodwell Street, Avon, MA** Project Manager for the reconstruction of approximately 1.6-miles of the industrial Bodwell St. including a new traffic signal installation. Assisted in securing PWED grant for \$1.2 million to pay for design and construction of the project.

*"Designed the reconstruction of...  
rural Route 20"*

**MassHighway Route 20, Roadway and Intersection Reconstruction, Northborough, MA** Designed the reconstruction of a half mile segment of rural Route 20 and two signalized intersections including major realignment.

**Watertown Square Traffic Study, Watertown, MA** Traffic Engineer responsible for proposing improvements and analyzing alternatives in this congested downtown with several coordinated intersections.

*"intersection and signal design...  
in this historically significant location"*

**Dartmouth St. Reconstruction (Huntington Ave. to Boylston St.), Boston, MA** Project Manager for the conversion of a two-way block of Dartmouth St. to a one-way including studies that evaluated impacts to surrounding intersections and signal design coordinated as part of the complex Back Bay signalized system. Also responsible for roadway design, handicap accessibility, bicycle accommodations, specifications, and project coordination in this historically significant location.

**Boylston St. Reconstruction (Charles Gate East to Arlington St.), Boston, MA** Evaluated intersections and designed traffic signal upgrades at seven locations, coordinated as part of the complex Back Bay signalized system. Project included road, sidewalk /handicap accessibility, and lighting/ landscape design and specification

*“redesign of the Route 110 at  
Route I-495 interchange”*

*“seven intersections coordinated as  
part of a closed loop system”*

preparation in this historic location.

**MassHighway Bridge Reconstruction Projects, statewide, MA** Oversaw the design of Traffic Management for numerous bridge reconstruction projects on major routes and interchanges across the Commonwealth.

**Route 110 at Route I-495 Interchange Traffic Improvements, Methuen, MA** A \$2 million construction project that involved redesign of the Route 110 at Route I-495 interchange including ramps and a series of signalized intersections coordinated as part of a closed loop system.

**MassHighway, Roadway Reconstruction, Route 66, Northampton and Huntington, MA** Project Engineer responsible for Final Plans including traffic signal investigations/design, drainage upgrades, profile grading and construction cost estimate for 6 miles of road in Northampton and 3 miles in Huntington.

**Roadway and Intersection Reconstruction, Route 1A, Beverly, MA** Traffic Engineer responsible for traffic studies that recommended improvements for all intersections within an urban two-mile segment of Route 1A with adjacent historic sites. Also responsible for their design.

**MassHighway, Route 113 (Storeybrooke Drive to Market Basket Drive), Newburyport, MA** Project Engineer responsible for traffic signal upgrades along a one-mile segment of the Route 113 corridor consisting of seven intersections coordinated as part of a closed loop system.