

Integrated Transit Systems

Sustainable Transportation Series



Fitchburg Commuter Rail Line
Small Starts Alternatives Analysis
and
Wachusett Station and Layover Facility
Fitchburg, MA

Transit plays an increasingly important role in local and regional transportation networks as governments recognize the economic benefits of investment in transit infrastructure and the public responds to higher gas prices, growing traffic congestion, and the desire for a reduced or car-free lifestyle. McMahon Associates recognizes that transit planning and operations requires a comprehensive perspective that draws on our multi-modal expertise.

Our work on transit projects reflects the unique character of each community and ensures that the transit system is closely integrated with other elements including the roadway network, pedestrian and bicycle facilities, and adjacent land use. McMahon has cultivated expertise in the planning, financing, design and construction of transit systems and infrastructure in urban, suburban, and rural communities.

We offer the following transit related services: site selection, feasibility studies, alternatives analysis, route planning, multi-modal integration, public participation, agency coordination, financial planning, joint development planning, station design, scheduling, traffic circulation/access, cost estimating, permitting, bidding assistance, and construction observation.

Related Services

Plans • Studies • Designs

Multi-modal Transportation Centers

Transit-Oriented Development

Bus & Rail Transit Operations

Transit Signal Priority

Bus Stop Designs & Guidelines

Transit Fare Structure Analysis

Transit Finance & Business Management

Owner's Project Management

Community Involvement

- **Cypress Creek Park and Ride Lot Demand Study**
Florida Department of Transportation, FL
- **Franklin Regional Transit Center**
Franklin Regional Transit Authority, MA
- **Holyoke Intermodal Transportation Center**
Pioneer Valley Transportation Authority, MA
- **Lauderhill Mall Transit Facility Review**
Lauderhill Mall, FL
- **Plymouth Multi-modal Transportation Center Site Selection**
Greater Attleboro Taunton Regional Transit Authority (GATRA)/ Town of Plymouth, MA
- **Scelsi Intermodal Transportation Center**
Berkshire Regional Transit Authority, MA

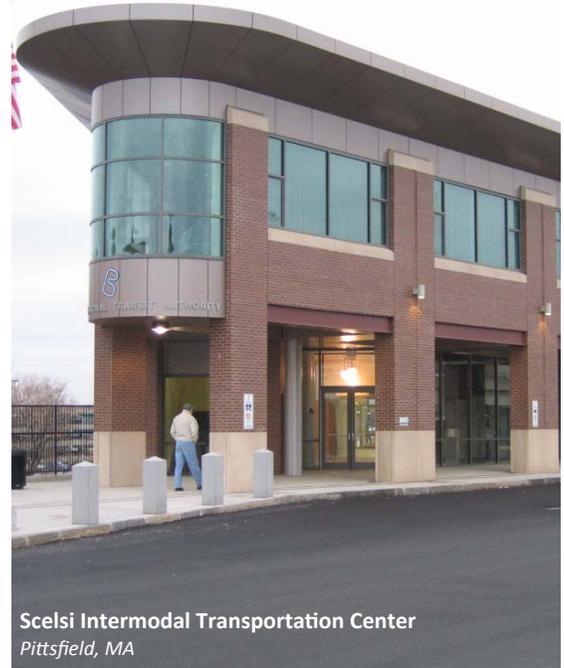
Multi-modal transportation centers provide a centralized location for the interchange of passengers between transit and other modes and also serve as catalysts for redevelopment. McMahon specializes in coordinating with local, regional, and state agencies and private development partners in all phases of developing multi-modal center projects including site selection, station area planning, and design. Additionally, McMahon has experience serving as the Owner's Project Manager (OPM) and working as a transit agency's official representative for all project-related issues during design and construction.



Franklin Regional Transit Center
Greenfield, MA



Transit Enhancement Study
Providence, RI



Scelsi Intermodal Transportation Center
Pittsfield, MA

Corridors • Build Out • Transit Improvements

- **Attleboro Intermodal Transit Center**
Greater Attleboro Taunton Regional Transit Authority (GATRA), MA
- **Fairmount Indigo Line Planning Initiative**
Boston Redevelopment Authority, MA
- **Hyde Park Master Plan**
Boston Redevelopment Authority, MA
- **Paoli Road Improvement Feasibility Study**
Tredyffrin Township, PA
- **Transit Village Review**
West Palm Beach, FL
- **Suburban Square TOD Expansion**
Kimco Realty and JDA Development, PA

TOD projects require the integration of planning and design of transit facilities and services with other transportation improvements and mixed-use developments. McMahon has worked on TOD projects that enhance transit access, provide strong pedestrian and bicycle connections, utilize innovative parking management strategies, and follow a Complete Streets approach to roadway planning and design. McMahon's TOD related experience includes development build out scenarios, and corridor studies, and design of transit improvements.

- **Bus Stop Design Guidelines**
Massachusetts Bay Transportation Authority (MBTA), MA
- **Brockton Intermodal Transportation Center Signals**
Brockton Area Transit Authority (BAT), MA
- **City of Lauderhill Bus Shelters**
City of Lauderhill, FL
- **Fare Assessment**
Berkshire Regional Transit Authority (BRTA), MA
- **Key Bus Route Improvement Program**
Massachusetts Bay Transportation Authority (MBTA), MA
- **Palm Beach Gardens Transit Study**
City of Palm Beach, FL
- **Transit Enhancement Study & Rapid Bus Branding Study**
Rhode Island Public Transit Authority (RIPTA), RI

Successful bus service relies on efficient route planning and scheduling, equitable fare structures, accessible bus stops and amenities, and a well-connected roadway and sidewalk network. McMahon’s bus planning and operations services include coordinating improvements that integrate buses with other elements of the transportation system, such as ADA sidewalk improvements and traffic signal priority and pre-emption. McMahon also has experience planning and designing bus improvements within limited operational and capital improvement budgets.



Paoli Road Improvement Feasibility Study
Tredyffrin Township, PA



Plymouth Multi-modal Transportation Center Study
Town of Plymouth, MA



City of Lauderhill Bus Shelters
Fort Lauderdale, FL

- **Fitchburg Small Starts Alternative Analysis**
Montachusett Regional Transit Authority (MART), MA
- **Natick Center MBTA Commuter Rail Station Feasibility Study**
Town of Natick, MA
- **Wachusett Station and Layover Facility**
Montachusett Regional Transit Authority (MART), MA

Commuter rail service connects urban and suburban centers and provides an alternative to driving on congested regional roadways. McMahon’s planning and design services for commuter rail systems included the feasibility of new stations/layover facilities and system expansion. Our work also resulted in the successful award of a Federal Transit Administration’s Small Start grant and a Transportation Investment Generating Economic Recovery (TIGER) discretionary grant for two regionally significant rail projects.



Key Bus Route Improvement Program
Boston and Surrounding Communities, MA

Who we are

Since 1976, McMahon Associates, Inc. has specialized in transportation planning and engineering. We have built trusting and lasting relationships by satisfying the needs of both governmental and private sector clients. With dedicated professionals in thirteen regional offices located along the east coast, McMahon has the talent, ability, and expertise to address any transportation assignment from planning to design through implementation. Our full spectrum of transportation services include:

- Traffic Engineering
- Multimodal Transportation Planning
- Highways
- Transit
- ITS & Signals
- Data Collection
- Structures
- Land Surveying
- Highway Safety
- Managed IT Services
- GIS/Software Development

Sustainable Solutions

McMahon Associates, Inc. is committed to providing sustainable transportation solutions that are cost-effective, environmentally sensitive, and supportive of healthy living and vibrant communities. McMahon and our employees are personally and professionally engaged in sustainable practices, including office-wide recycling, biking and riding transit to work, and being actively involved in organizations that promote sustainability. Through our broad range of transportation services, we aim to improve the quality of life for the travelling public by planning and designing sustainable transportation solutions.

About Us

Our Approach

- Coordinate thoughtful planning, sound traffic engineering, and innovative design
- Integrate traffic signals and ITS into the overall transportation systems
- Develop advanced, comprehensive, and cost effective solutions
- Focus on feasibility and implementation
- Engage project partners and community members early and often
- Fulfill federal, state, and local requirements, including design standards and procedures

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