

## Services

- Data collection
- Capacity & safety analyses
- Traffic projections, distribution, & assignments
- Traffic analysis of future options
- Interagency coordination
- Evaluation of environmental conditions
- Multimodal analysis & assessment
- Roadway safety audits
- VISSIM modeling
- Conceptual design
- Public outreach



## PROJECT OVERVIEW

McMahon is the lead consultant for a multi-disciplinary team advancing MassDOT's McGrath Boulevard project. The McGrath Boulevard project is a continuation of the "Grounding McGrath" study, completed by McMahon in 2013, which examined the removal of the McCarthy Viaduct in the City of Somerville.

This project focuses on the advancement of the preferred boulevard alternative identified in the "Grounding McGrath" study. The concept design has been developed to include specific intersection and lane configurations, bicycle and pedestrian infrastructure, and streetscape elements. The goal of the project continues to be the improvement of transportation infrastructure, while promoting community connectivity, accessibility across all transportation modes, economic development, and community engagement. The design includes bicycle facilities and intersection treatments to improve bicycle connectivity throughout the corridor and neighborhood.

The evaluation of the boulevard alternative included a multi-faceted review of projected pedestrian, bicycle, transit, and vehicular infrastructure and operations. Updated traffic projections were identified through coordination with MassDOT and the Central Transportation Planning Staff (CTPS) to understand all transportation modes and analyze the impacts of the proposed boulevard alternative.

The project has been closely coordinated with the working group and the community, along with various stakeholders including the Cities of Somerville, Cambridge, and Boston. McMahon has led the conceptual design development and related analysis efforts and played an integral role in the public outreach effort. The project will result in the completion of a conceptual design plan and environmental filing, providing a basis for future design efforts for the removal of the McCarthy Viaduct.



### 2014 Bicycle Analysis: Levels of Traffic Stress

- LTS 1 Suitable for a relaxing bike ride with little cyclist attention required. Children may need to be supervised at intersections.
- LTS 2 Suitable to most adults, but more demanding than what a child may be expected to handle.
- LTS 3 More traffic stress than LTS 2, acceptable for most cyclists currently riding in the US.
- LTS 4 A level of stress beyond LTS 3.



Source: Low-Stress Bicycling and Network Connectivity Maaza C. Mekuria, Ph.D., P.E., PTDE, Peter G. Furth, Ph.D. and Hilary Wilson, Ph.D.

Targeted Briefing- 9/10/15 - Portuguese Clu McGrath Hg



### 2014 Existing Bicycle Peak Hour Volumes

