

OUTLINE SCOPE OF WORK
ARSENAL STREET CORRIDOR STUDY

PHASE 1: MBTA SHORT-TERM STUDY

Task 1.1 – Route Evaluation-Improvements related to bus stops and infrastructure

Final Product: A review of the Route 70/70A corridor that analyses stop locations and spacing, accessibility, safety, amenities and impacts to and caused by parking and traffic. Study will also identify opportunities for Traffic signal improvements, Queue Jump Lanes and other BRT-style enhancements.

Task 1.2 – Route Evaluation-Operations and Service Planning

Final Product: A review of the Route 70/70A corridor that analyses route selection, trip time variations, crowding, reasons for delays, traffic congestion, ridership profiles, on-time performance, bus availability, and passenger transfer patterns.

Task 1.3 – Identify alternatives/measures that can improve bus service along this corridor

Final Product: For each improvement alternative identified, determine characteristics such as cost, implementation time, and community and municipal impact. Develop a series of implementation strategies that facilitate both short term and long term improvements. This work will be in conjunction with Phase 2.

Final Product for Phase 1:

- Draft report/chapter containing the following: Description of existing services, goals and objectives, evaluation criteria, measurement methods, alternatives analysis and recommendations.

PHASE 2: LONG-TERM TRANSPORTATION PLANNING STUDY

Task 2.1 - Study Area, Goals and Objectives, Evaluation Criteria, and Public Participation

Final Product for Phase 2, Task 1:

- Draft report/chapter containing the following: study Area, goals and objectives, and evaluation criteria and measurement methods
- Public Involvement Plan and maintained project website

Task 2.2 - Existing Conditions, Future No-Build, and Issues Evaluation

Final Product for Phase 2, Task 2:

- Completed draft chapter/section containing the following for existing and forecasted conditions: (1) Existing traffic volumes, turning movements, levels of service, accident data, transit services for study area, and environmental and land-use data (2) Forecasted traffic levels and conditions, and transit ridership and services. Draft chapter will also include an inventory and definition of issues and of project constraints

Task 2.3 – Transportation Alternatives and Potential Land Use Development

Final Product for Phase 2, Task 3:

- Draft section/chapter containing the following: descriptions of short and long-range alternatives, potential land use development alternatives and packaged Future Year Conditions scenarios
- Maps and graphics showing alternatives
 - This section will review all of the approved developments in the corridor

Task 2.4 – Alternatives Analysis

Final Product for Phase 2, Task 4:

- Draft report section evaluating all alternatives based on Task 1 criteria, including: safety, mobility, environmental effects, land use and economic development, community effects, and cost
 - For Example: Alternatives will include connections to other transit networks may include but are not limited to Boston University, Cambridgeport, Grand Junction, Kendall Square, MIT, West Station in Allston, and Western Avenue
 - Alternatives may also include route alterations, headway reconfigurations, etc.

Task 2.5 – Recommendations

Recommendations may include both short-range and long-range recommendations as a result of the analysis completed in the previous tasks.

Final Product for Phase 2, Task 5:

- Draft report section/chapter on recommendations containing: narratives, tables of short and long-range recommendations, and maps/graphics/elevations (visual displays)

Task 2.6 - Final Report

A Final Report will be prepared consisting of revised versions of the report chapters developed under Tasks 2 through 5, with an introductory chapter discussing the overall project and the goals-related material developed in Task 1. The report will also include an executive summary and appendices.

Final Product for Phase 2, Task 6:

- Final report, both draft and revised final
- PowerPoint document of recommendations