



Key Corridor Profiles

Longwood Medical Area Bus Circulation Study

Updated February 2026

Introduction

The Longwood Bus Circulation Study will deliver a plan for bus circulation and bus stop locations for the Longwood Medical Area (LMA) as part of operationalizing the service goals and resource decisions included in the MBTA's Bus Network Redesign (BNR). BNR included recommendations for increasing and improving bus service to the LMA, but did not finalize decisions related to circulation, bus stops and capital infrastructure (such as bus lanes, berthing and circulation space, bus stops, signal priority, etc.) needed to make that service reliable and high-quality.

A fundamental part of making decisions about circulation and stops in the LMA is understanding existing conditions and inventorying existing assets and resources. This report includes an inventory of the primary roadways in the LMA and describes key attributes of each corridor, such as the overall roadway width, number of travel lanes, and allocation of space to different travel modes (if any). It also includes a detailed map of the corridor, surrounding land uses together with key statistics about travel volumes and mode splits.

The purpose of these corridor profiles is two-fold.

1. Create a shared understanding of the roadway resources and how they are allocated. The LMA Bus Circulation Study will build on the existing conditions and consider alternatives that re-allocate these resources.
2. Provide technical details required to evaluate different alternatives that may be developed as part of reallocating space. As noted, the corridor profiles represent a summary of technical information that is available in web-based analytic tools; alternatives will be created and evaluated in these platforms.

The LMA corridors included in the document are:

1. Brookline Avenue
2. The Fenway
3. Francis Street
4. Huntington Avenue
5. Longwood Avenue
6. Avenue Louis Pasteur
7. Louis Prang Street
8. Ruggles Street
9. Saint Alphonsus Street
10. Tremont Street

Brookline Avenue

Riverway to Fenway • 0.61 Miles

The section of Brookline Avenue through the LMA currently hosts seven MBTA bus routes and several private shuttle routes. The corridor is lined with four medical campuses, three educational institutions, and a number of auxiliary services.

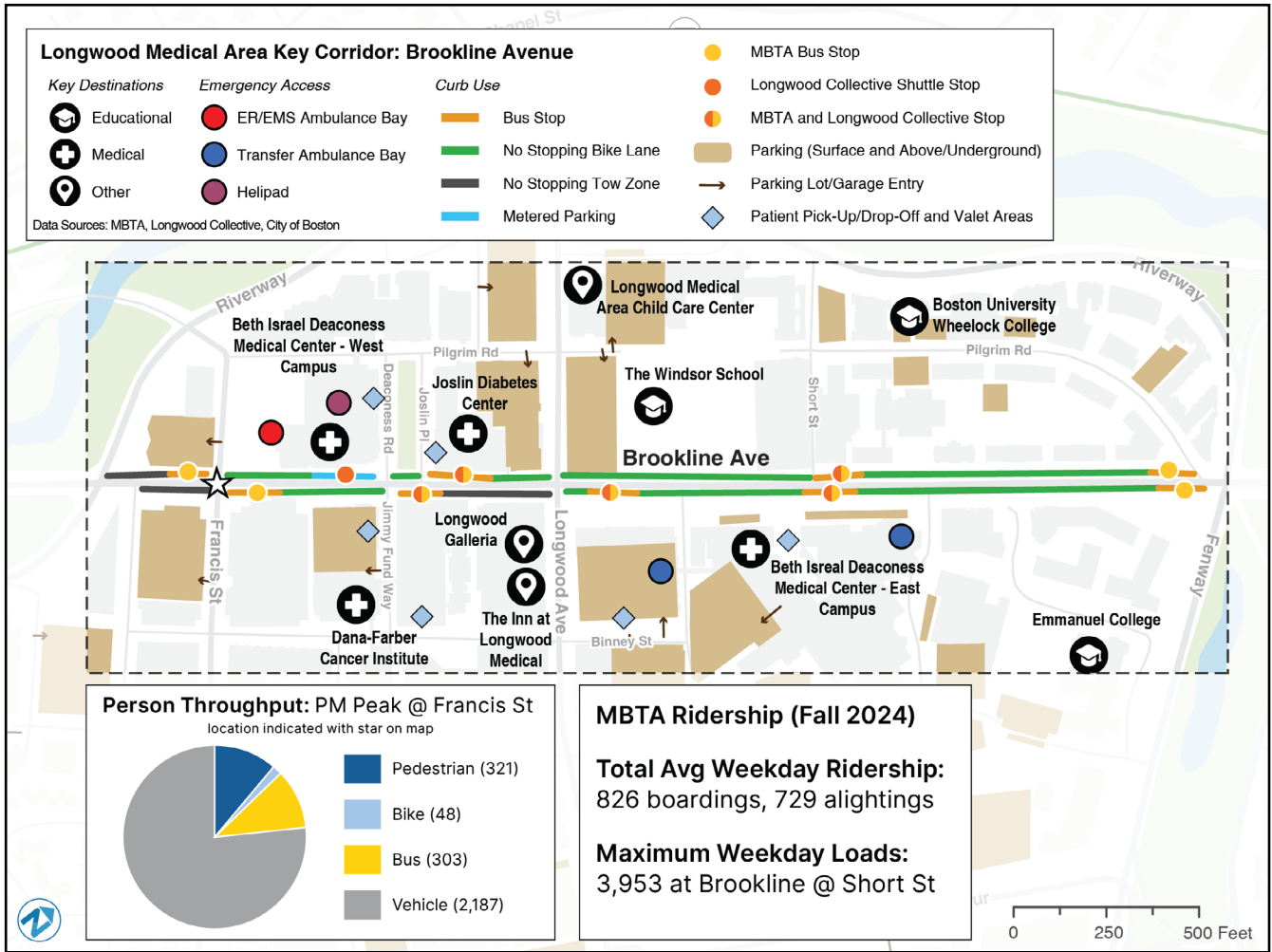
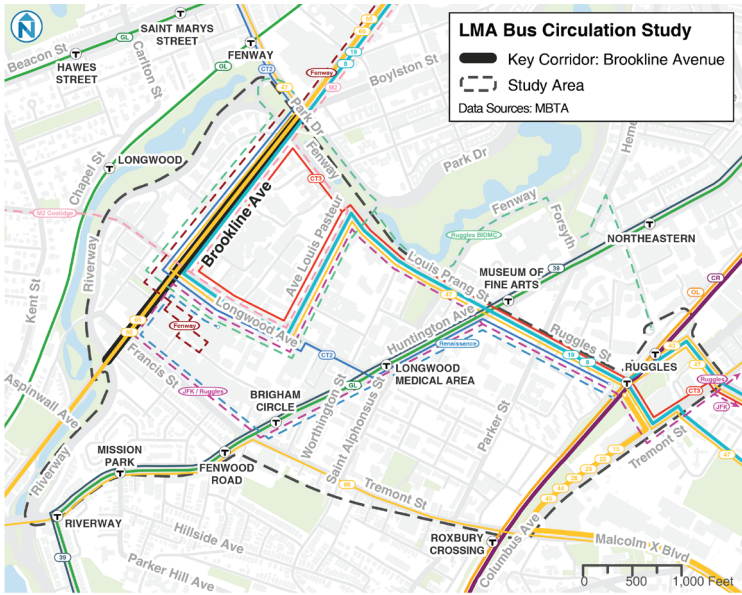
Right-of-Way: 74 ft.

Functional Class: Urban Principal Arterial

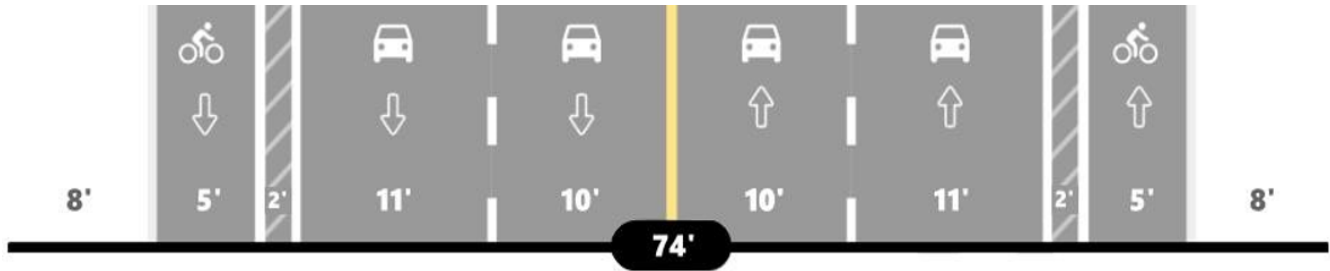
Bus Routes (MBTA): 8, 19, 47, 60, 65, CT2, CT3

Private Shuttle Routes: Longwood Collective - Fenway, JFK, M2, Renaissance, Ruggles

Bicycle Facility: Dedicated and Bus/Bike

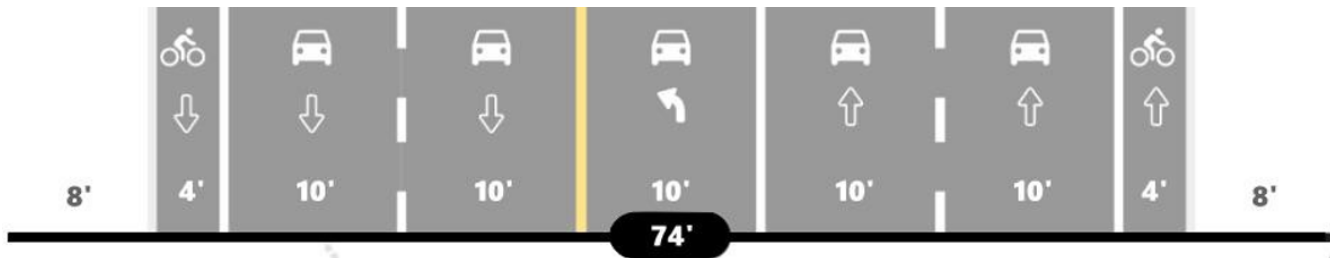


Corridor Cross-Sections



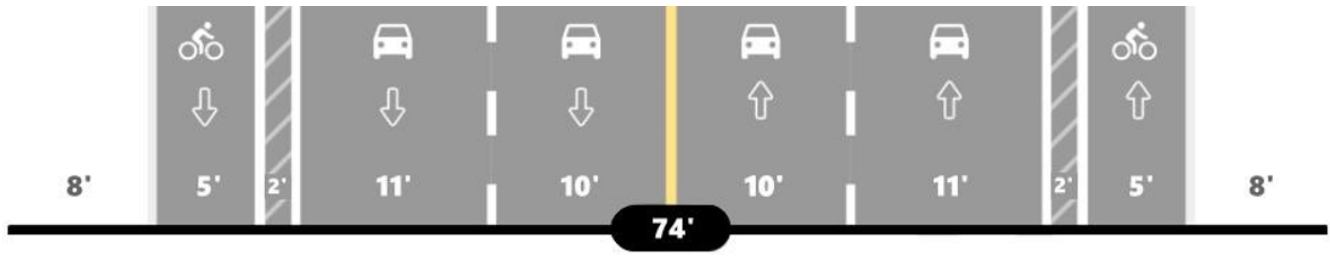
Francis St to Jimmy Fund Way

Brookline Avenue between Francis St and Jimmy Fund Way includes two general purpose travel lanes in each direction and a southbound left turn lane. Curbside delineator-separated bike lanes are present in both directions and are interrupted intermittently by shared bus stops. Parking is generally prohibited at all times along this segment of the corridor with the exception of approximately 80-feet of parking available on the northwest side of the street just south of Jimmy Fund Way.



Jimmy Fund Way to BIDMC East Campus Entrance

Brookline Avenue between Jimmy Fund Way and the BIDMC East Campus Entrance includes two general purpose travel lanes in each direction with alternating left turn lanes. Curbside conventional bike lanes are present in both directions and are interrupted intermittently by shared bus stops. Parking is prohibited at all times along this segment of the corridor.



BIDMC East Campus Entrance to Fenway

Brookline Avenue between Jimmy Fund Way and the BIDMC East Campus Entrance includes two general purpose travel lanes in each direction with turn lanes present at major intersections. Curbside delineator-separated bike lanes are present in both directions and are interrupted intermittently by shared bus stops. Parking is prohibited at all times along this segment of the corridor.

The Fenway

Riverway to Louis Prang • 0.40 Miles

The Fenway makes up the northern edge of the LMA. It connects several academic campuses. Four MBTA bus routes and several shuttles traverse the Fenway.

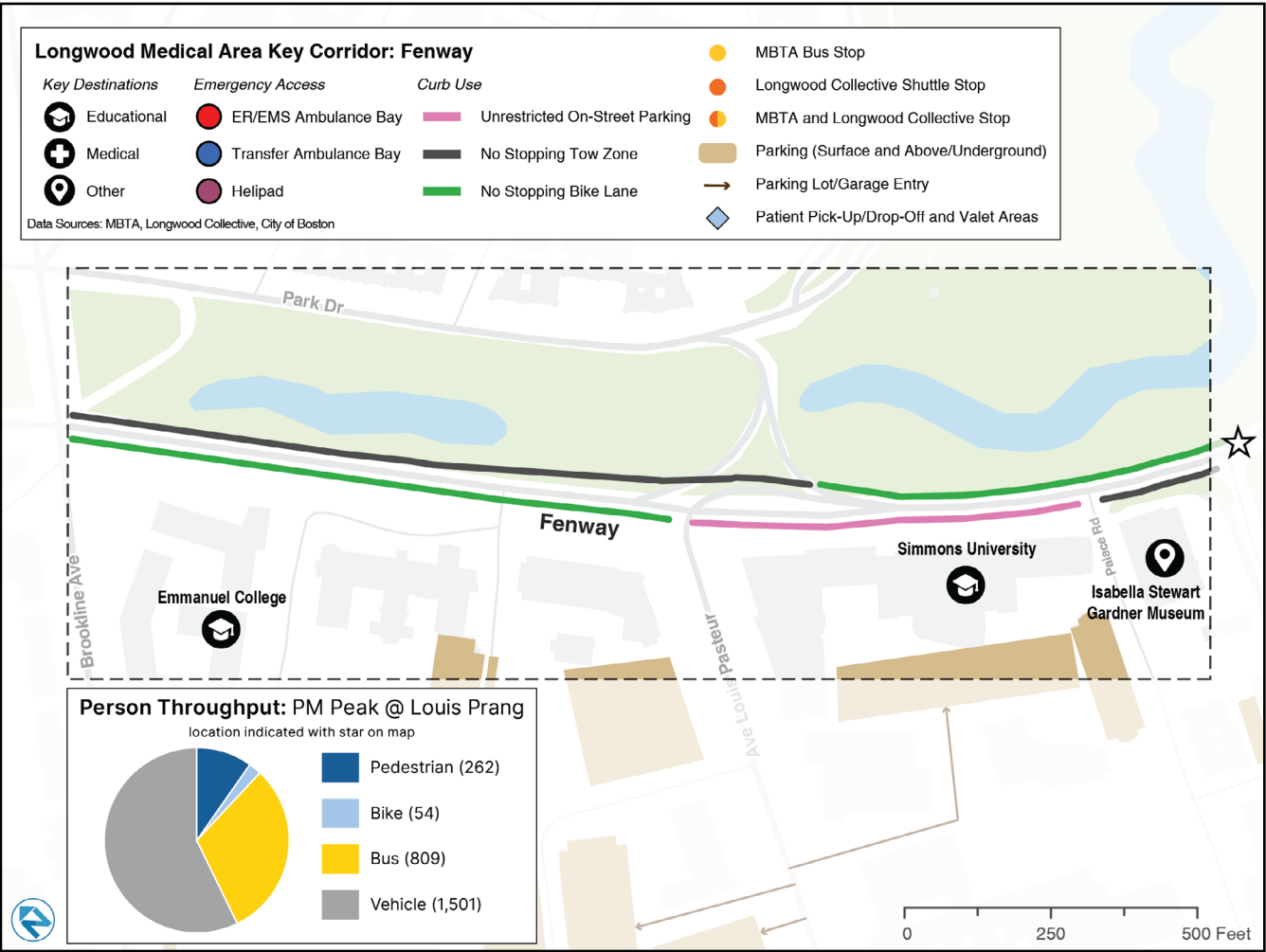
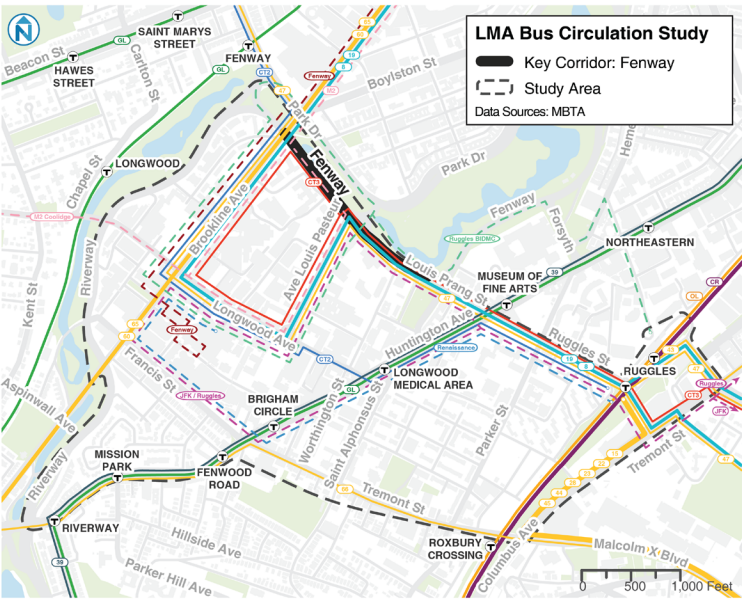
Right-of-Way: 74-84 ft.

Functional Class: Urban Principal Arterial

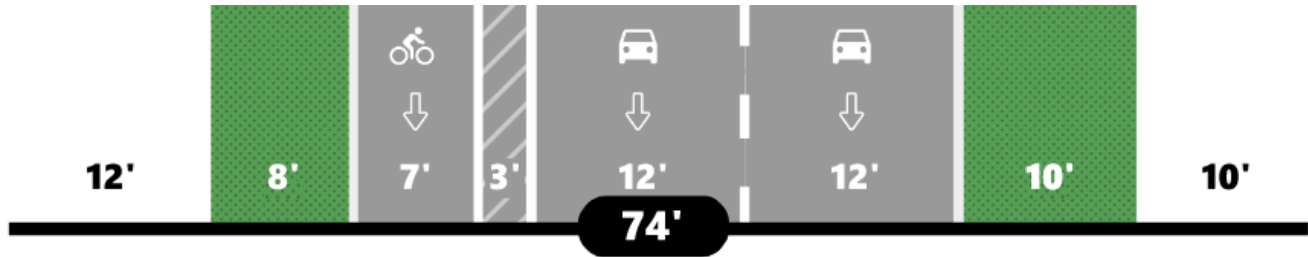
Bus Routes (MBTA): 8, 10, 47, CT3

Private Shuttle Routes: Longwood Collective - JFK, Ruggles, M2; HSPH Shuttle

Bicycle Facility: Sidepath adjacent to roadway, some dedicated on-street

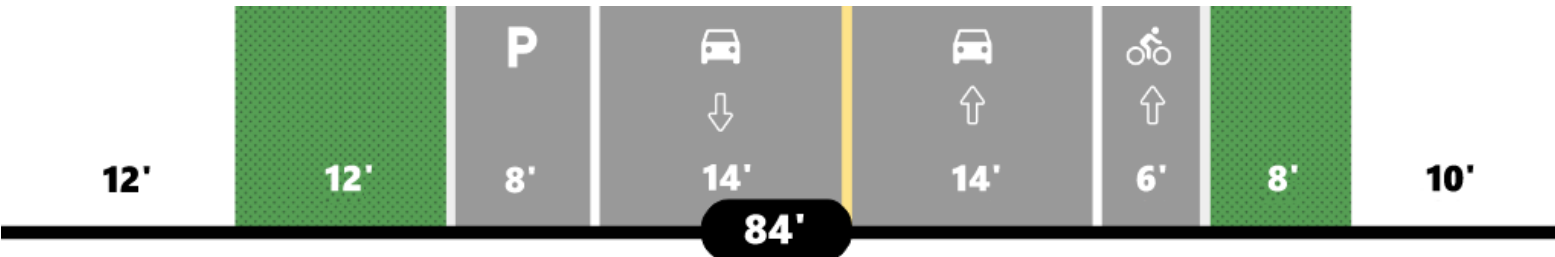


Corridor Cross-Sections



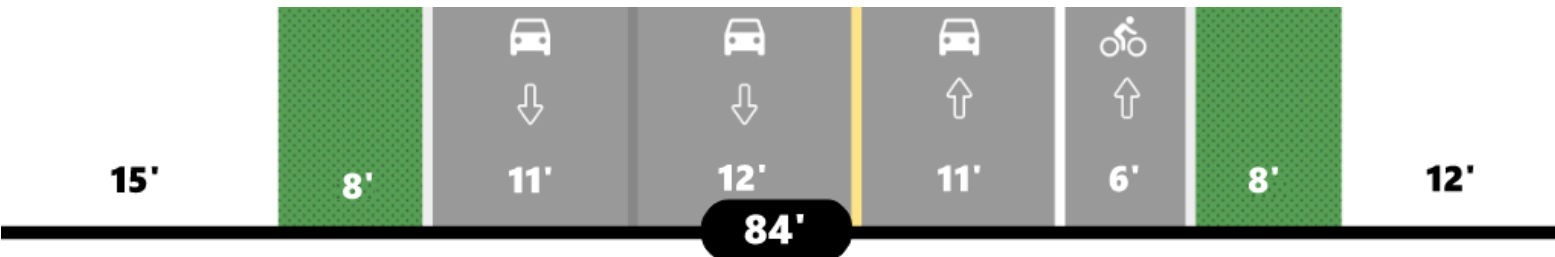
Brookline Avenue to Avenue Louis Pasteur

Fenway between Brookline Avenue and Avenue Louis Pasteur is a one-way street with two southeast-bound general-purpose travel lanes and a right-side buffered bike lane. A multi-use path (the Emerald Necklace) runs parallel to Fenway to the northeast. Curbside parking is restricted for the entire length of the corridor at all times on both sides of the street.



Avenue Louis Pasteur to Palace Road

Fenway transitions from a one-way street to a two-way street at Avenue Louis Pasteur. Fenway between Avenue Louis Pasteur and Palace Road is a two-way street with one general-purpose travel lane in each direction. A parking lane is provided on the west (southeast-bound) side of the street and a striped bike lane is provided on the east (northwest-bound) side of the street. A multi-use path (the Emerald Necklace) runs parallel to Fenway to the northeast.



Palace Road to Louis Prang Street

Fenway between Palace Road and Huntington Avenue is a two-way street with two general-purpose travel lanes in the southeast-bound direction and one general-purpose travel lane in the northwest-bound direction. A curbside striped bike lane is provided in the northwest-bound direction between Palace Road and Evans Way, but no bike lane is present between Evans Way and Huntington Avenue. Parking is prohibited at all times on both sides of the street between Palace Road and Huntington Avenue.

Francis Street

Riverway to Huntington • 0.36 Miles

Francis Street plays host to multiple hospitals and other medical-related land uses. No MBTA bus routes currently use the corridor, but many different shuttle services travel up and down Francis.

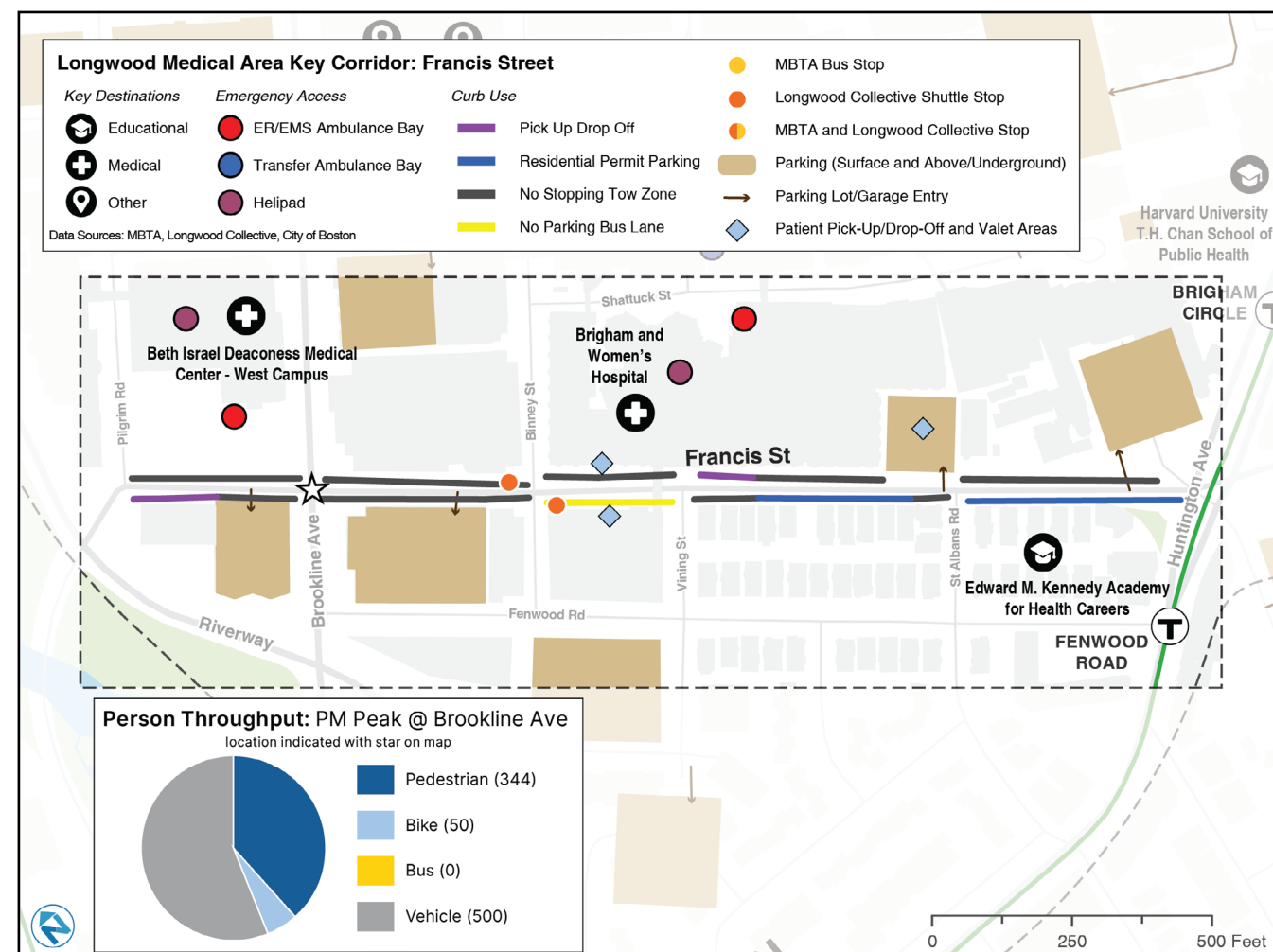
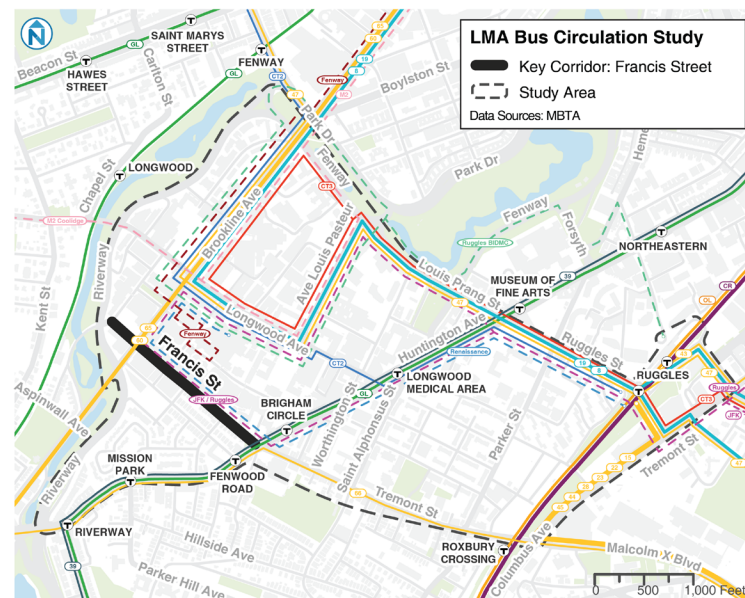
Right-of-Way: 52-60 ft.

Functional Class: Urban Minor Arterial

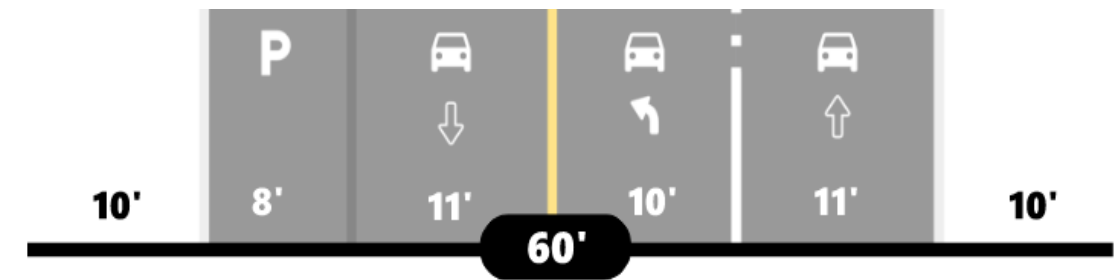
Bus Routes (MBTA): N/A

Private Shuttle Routes: Longwood
Collective - JFK, Ruggles, Renaissance

Bicycle Facility: None

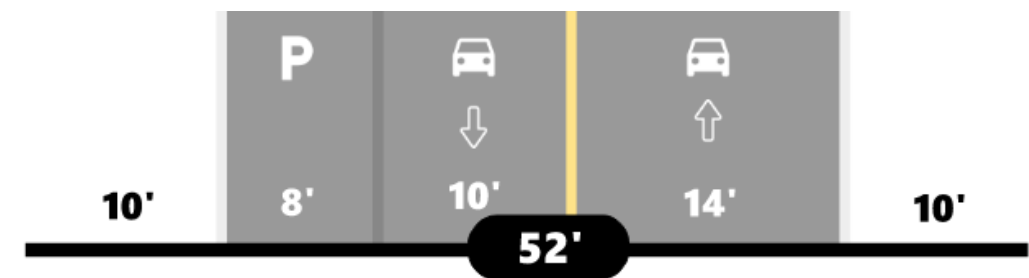


Corridor Cross-Sections



Brookline Avenue to Saint Albans Road

Francis Street between Brookline Avenue and Saint Albans Road includes one general-purpose travel lane in each direction with intermittent left turn lanes at intersections. Parking is restricted in both directions between Brookline and Vining. Between Vining and Saint Albans, curbside parking is generally present in the southeast-bound direction only, with a small amount of parking present in the northwest-bound direction approaching Vining.



Saint Albans Road to Huntington Avenue

The curb-to-curb width of Francis Street narrows to approximately 32-feet between Saint Albans Road and Huntington Avenue, with one general-purpose travel lane provided in each direction and curbside parking present in the southeast-bound direction only. Parking terminates and Francis Street widens to two southeast-bound general-purpose travel lanes at the approach to Huntington Avenue.

Huntington Avenue

Riverway to Louis Prang • 0.95 Miles

Huntington Avenue is lined with Northeastern University, Wentworth Institute of Technology, and several other institutions. The southern end of corridor is primarily residential. The MBTA's Green Line and three bus routes run on Huntington Avenue.

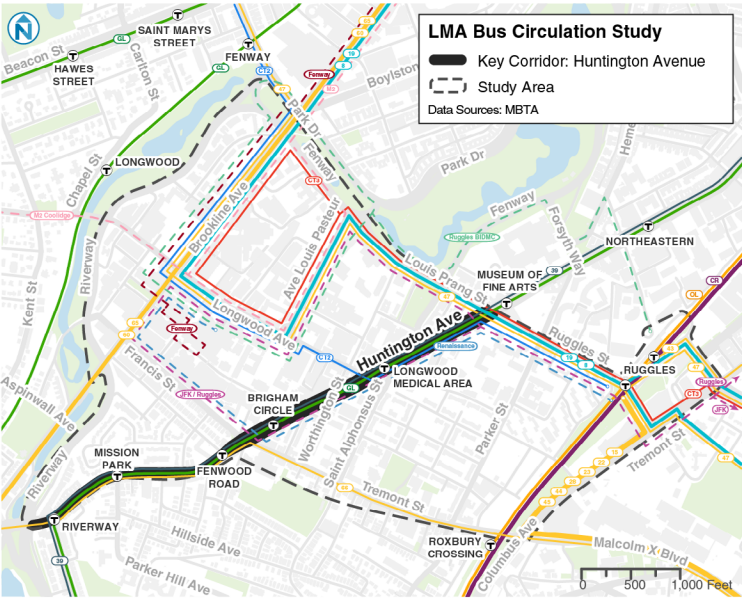
Right-of-Way: 80-110 ft.

Functional Class: Urban Principal Arterial

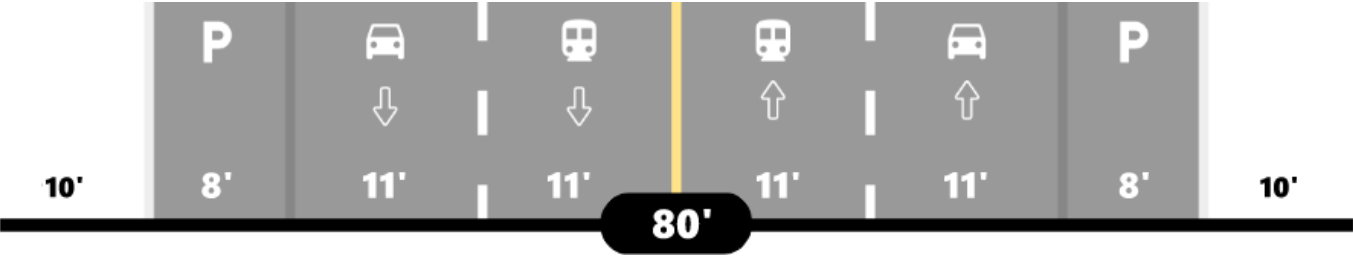
Bus Routes (MBTA): 39, 66, CT2

Private Shuttle Routes: Longwood Collective - JFK, Renaissance, Ruggles; HSPH Shuttle

Bicycle Facility: Some shared facilities

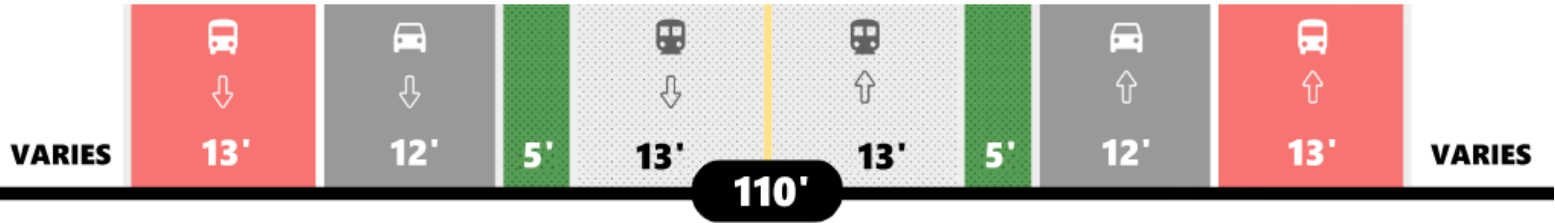


Corridor Cross-Sections



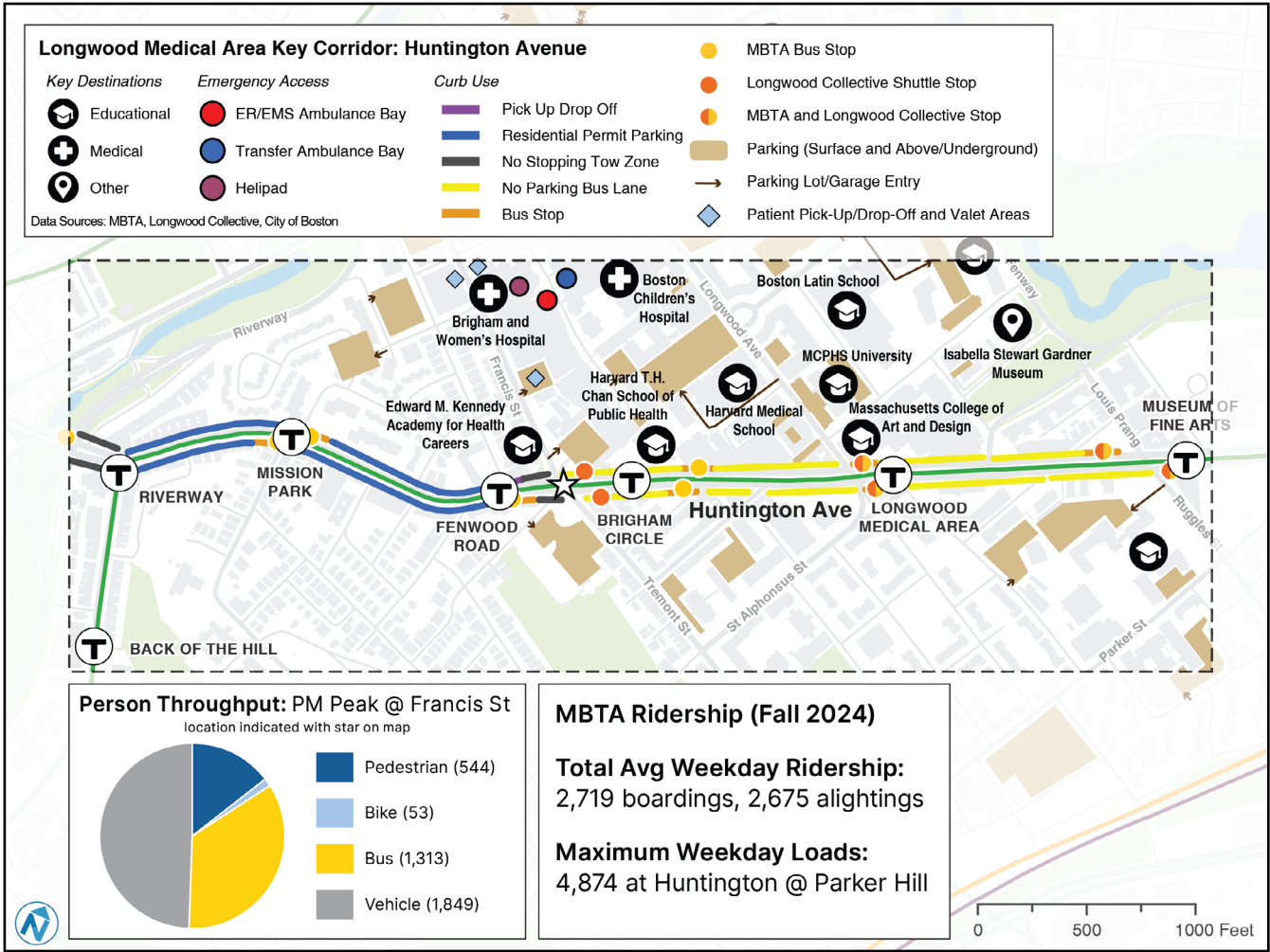
Riverway to Francis Street

Huntington Avenue between Francis Riverway and Francis Street is a two-way street that includes two general-purpose travel lanes in each direction. The E-Branch of the MBTA Green Line shares runs within the center travel lanes in Huntington Avenue in each direction. General-purpose travel lanes are separated from the E-Branch tracks through a combination of concrete medians, landscaped medians, granite curb, and concrete barriers at station platforms. Curbside parking is generally provided in both directions from Riverway to Francis Street.



Francis Street to Louis Prang Street

Huntington Avenue between Francis Street and Louis Prang is a two-way street that includes one dedicated curbside bus lane and one general-purpose travel lane in each direction. The E-Branch of the MBTA Green Line runs within dedicated guideway in the center median of Huntington Avenue. General-purpose travel lanes are separated from the E-Branch tracks through a combination of concrete medians, landscaped medians, granite curb, and concrete barriers at station platforms. Curbside parking is generally restricted in both directions throughout this segment of the corridor, with some curbside parking provided in both directions between Francis Street and Smith Street.



Longwood Avenue

Riverway to St Alphonsus • 0.59 Miles

Five MBTA bus routes and many shuttle services run along Longwood Avenue. Longwood is also home to Boston Children’s Hospital as well as Harvard Medical School.

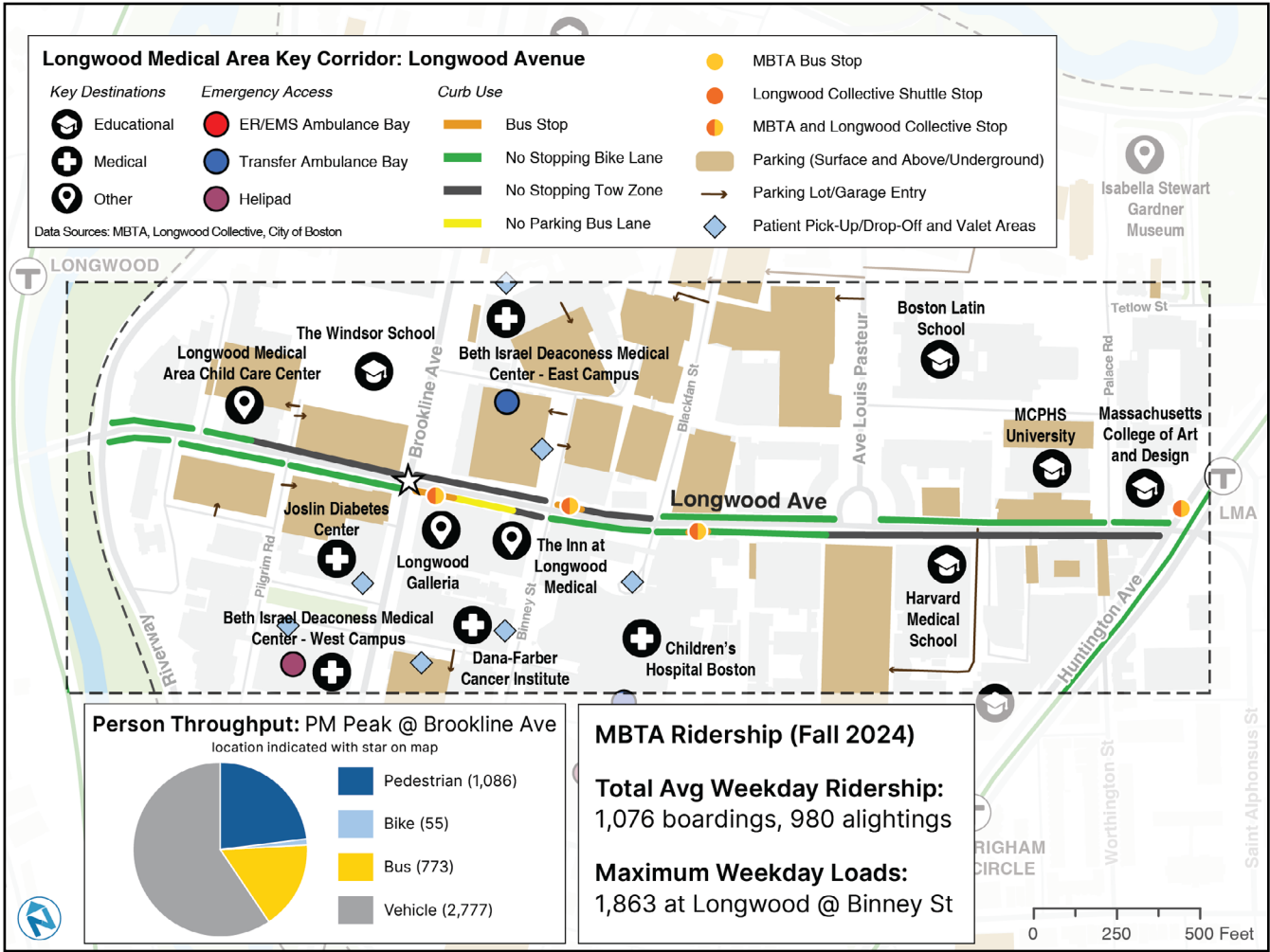
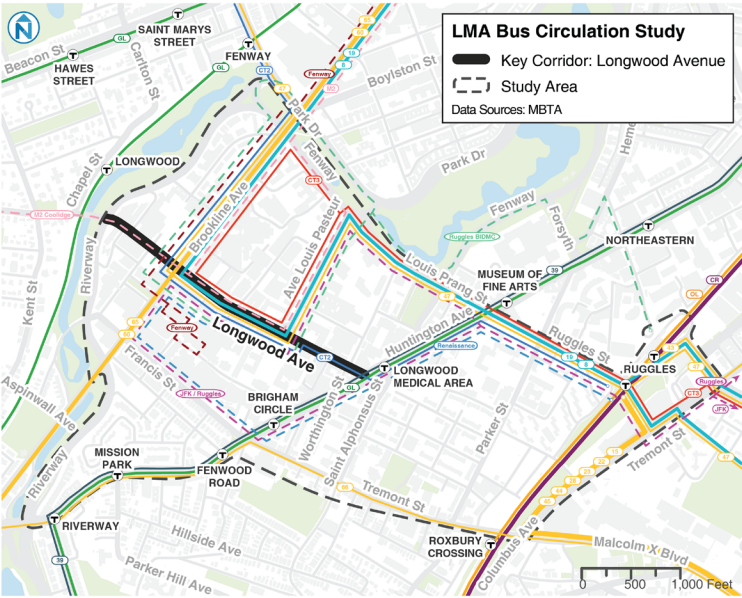
Right-of-Way: 50-74 ft.

Functional Class: Urban Minor Arterial

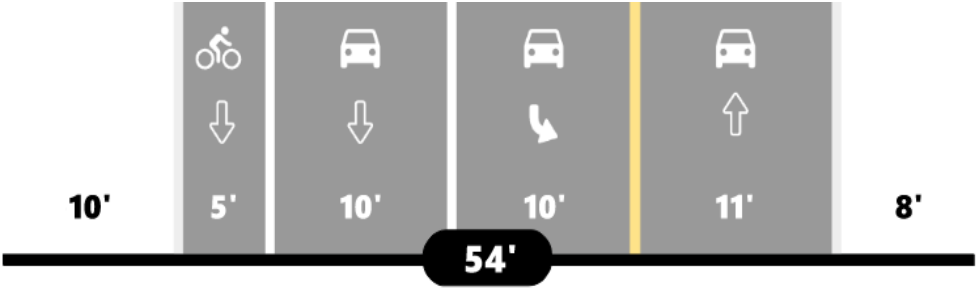
Bus Routes (MBTA): 8, 19, 47, CT2, CT3

Private Shuttle Routes: Longwood Collective - Fenway, JFK, Ruggles, Renaissance; BU-Fenway; BCH Shuttle

Bicycle Facility: No protected facilities, some dedicated and shared lanes

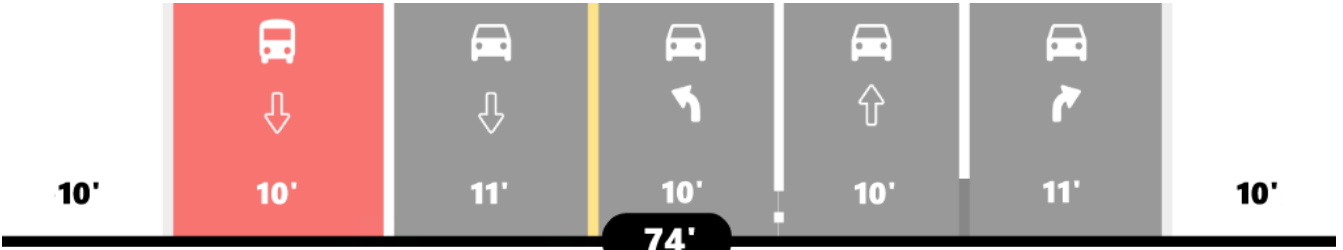


Corridor Cross-Sections



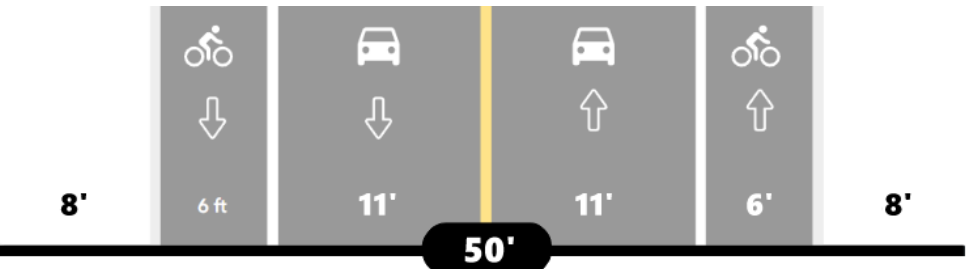
Riverway to Brookline Avenue

Longwood Avenue between Riverway and Brookline Avenue includes one general-purpose travel lane in each direction with intermittent left turn lanes at intersections. A striped curbside bicycle lane is generally present continuously in the southeast-bound direction and intermittently in the northwest-bound direction, with the bike lane giving way to shared lane markings wherever left turn lanes are present.



Brookline Avenue to Binney Street

Longwood Avenue between Brookline Avenue and Binney Street includes one general-purpose through travel lane in each direction with left- and right-turn lanes at each intersection. A red curbside bus lane is striped in the southeast-bound lane adjacent to the Longwood Galleria, and bicycle shared lane markings are striped in the northwest-bound curbside lane. This 330-foot stretch of Longwood Avenue is 74-feet wide (face-of-curb to face-of-curb), approximately 20 feet wider than the rest of the corridor. Curbside parking is restricted at all times along this segment of the corridor.



Binney Street to Huntington Avenue

Longwood Avenue between Binney Street and Huntington Avenue includes one general-purpose travel lane in each direction with left turn lanes present between Binney Street and Blackfan Street and a southeast-bound right turn lane present at the approach to Huntington Avenue. Curbside striped bike lanes are present in both directions and are interrupted intermittently by shared bus stops. Curbside parking is restricted at all times for the length of the corridor.

Avenue Louis Pasteur

Longwood to Fenway • 0.23 Miles

Louis Pasteur is lined with academic institutions, including Boston Latin School and Simmons University. Three MBTA bus routes and several shuttle services use the corridor.

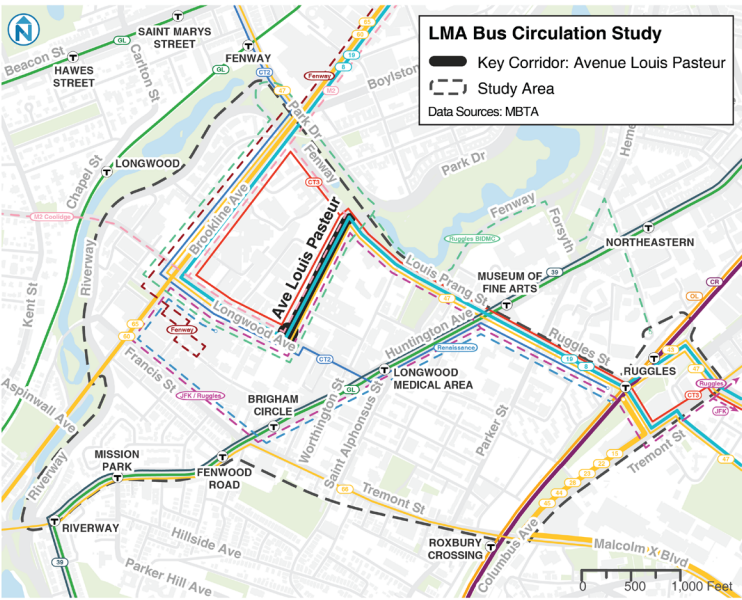
Right-of-Way: 100 ft.

Functional Class: Urban Minor Arterial

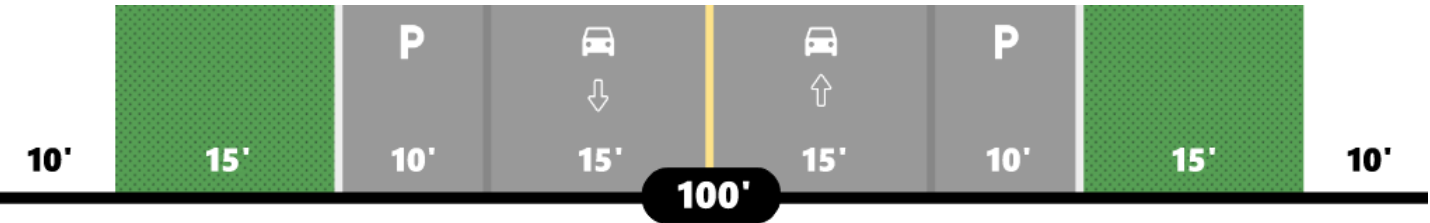
Bus Routes (MBTA): 8, 19, CT3

Private Shuttle Routes: Longwood Collective - JFK, M2, Ruggles, Renaissance

Bicycle Facility: None

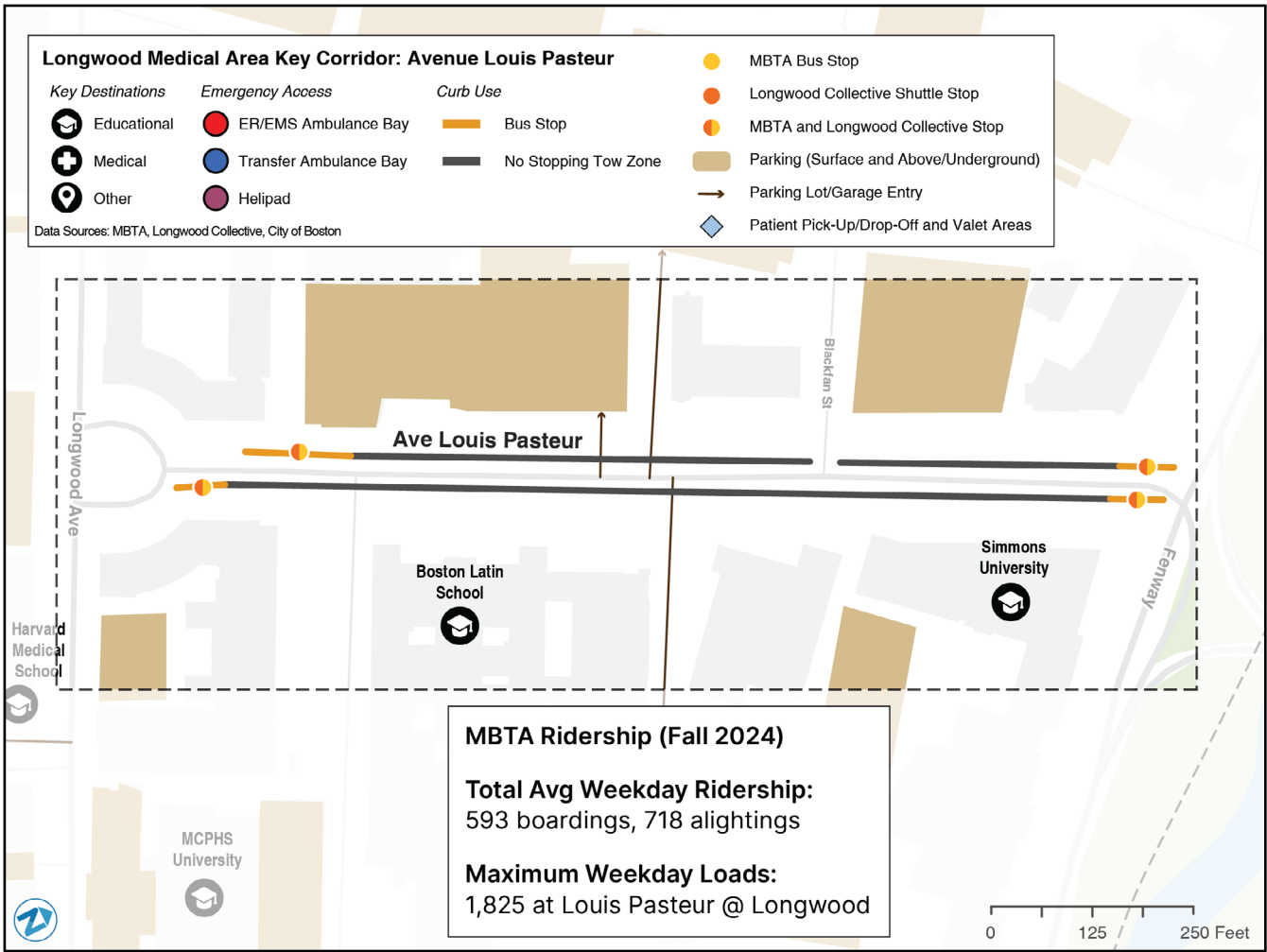


Corridor Cross-Sections



Longwood Avenue to Fenway

Avenue Louis Pasteur between Longwood Avenue and Fenway is striped one general-purpose travel lane in each direction. A striped double-yellow centerline is present for the entire length of the corridor. No parking lane lines are present. Curbside parking is restricted between 7am and 7pm for most of the corridor, with much of the remaining curbside space reserved for transit stops. A portion of the southbound curb space is also reserved for food trucks between 11AM and 3:30PM Monday through Friday.



Louis Prang Street

Fenway to Huntington • 0.11 Miles

Four MBTA bus routes and many Longwood Collective shuttles travel on Louis Prang Street. It connects the Fenway to Huntington Avenue and runs through Wentworth Institute of Technology and Northeastern University.

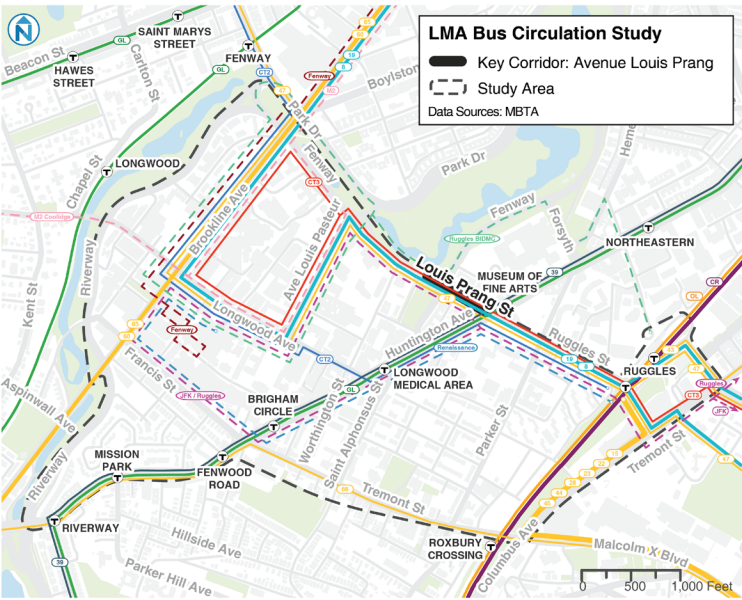
Right-of-Way: 54 ft.

Functional Class: Urban Minor Arterial

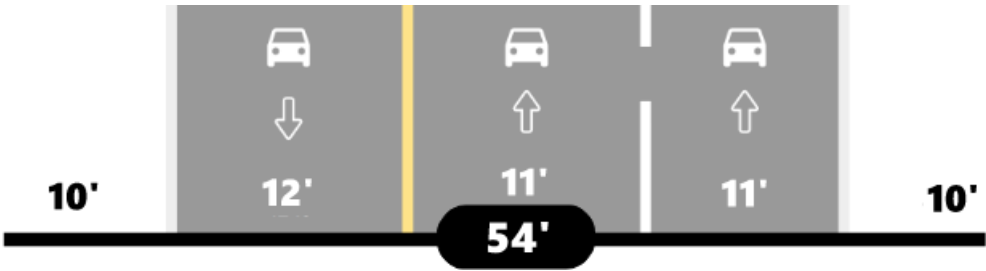
Bus Routes (MBTA): 8, 19, 47, CT3

Private Shuttle Routes: Longwood Collective - JFK, Ruggles

Bicycle Facility: None

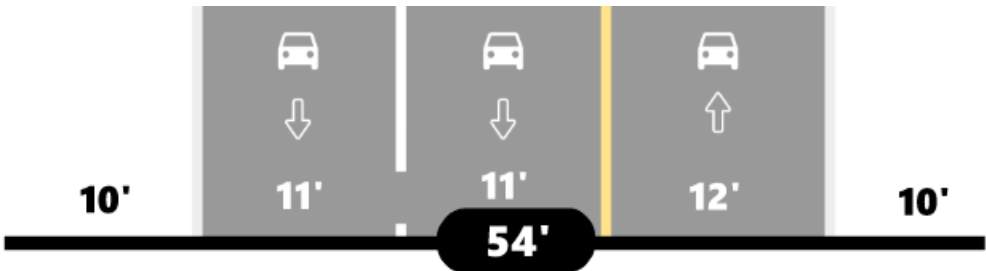


Corridor Cross-Sections



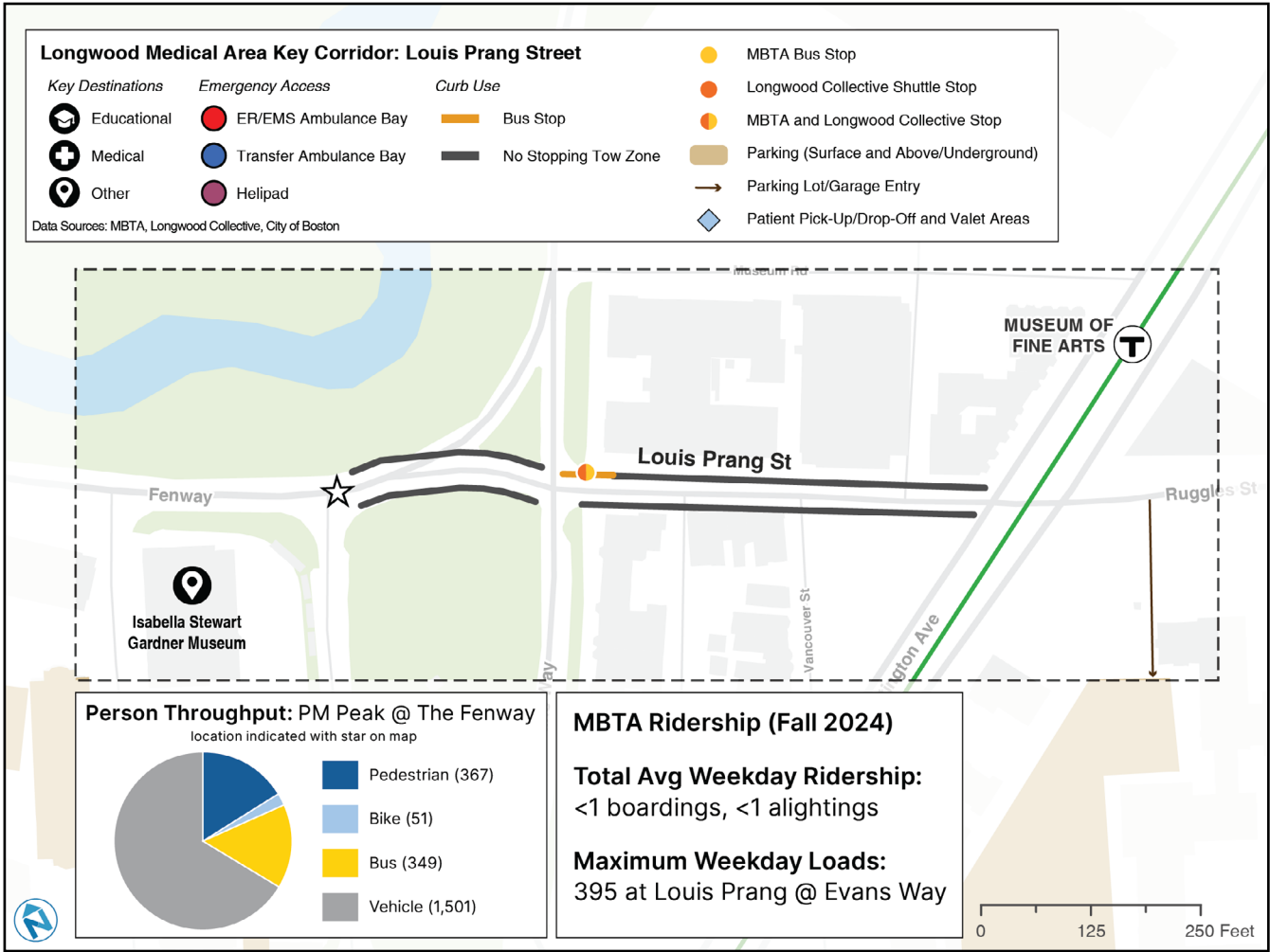
Fenway to Vancouver Street

Louis Prang Street from Fenway to Vancouver Street is a two-way street that includes one general-purpose travel lane in the southeast-bound direction and two general-purpose travel lanes in the northwest-bound direction. Parking is restricted in both directions at all times between Fenway and Vancouver.



Vancouver Street to Huntington Avenue

From Vancouver Street to Huntington Avenue, Louis Prang Street transitions to two general-purpose travel lanes in the southeast-bound direction and one general-purpose travel lane in the northwest-bound direction. Parking is restricted in both directions at all times between Vancouver and Huntington.



Ruggles Street

Huntington to Tremont • 0.38 Miles

Ruggles Street is an academic institutional and residential street that brings LMA commuters to and from the Orange Line at Ruggles Station. Five MBTA bus routes and many Longwood Collective and hospital shuttles travel on the corridor.

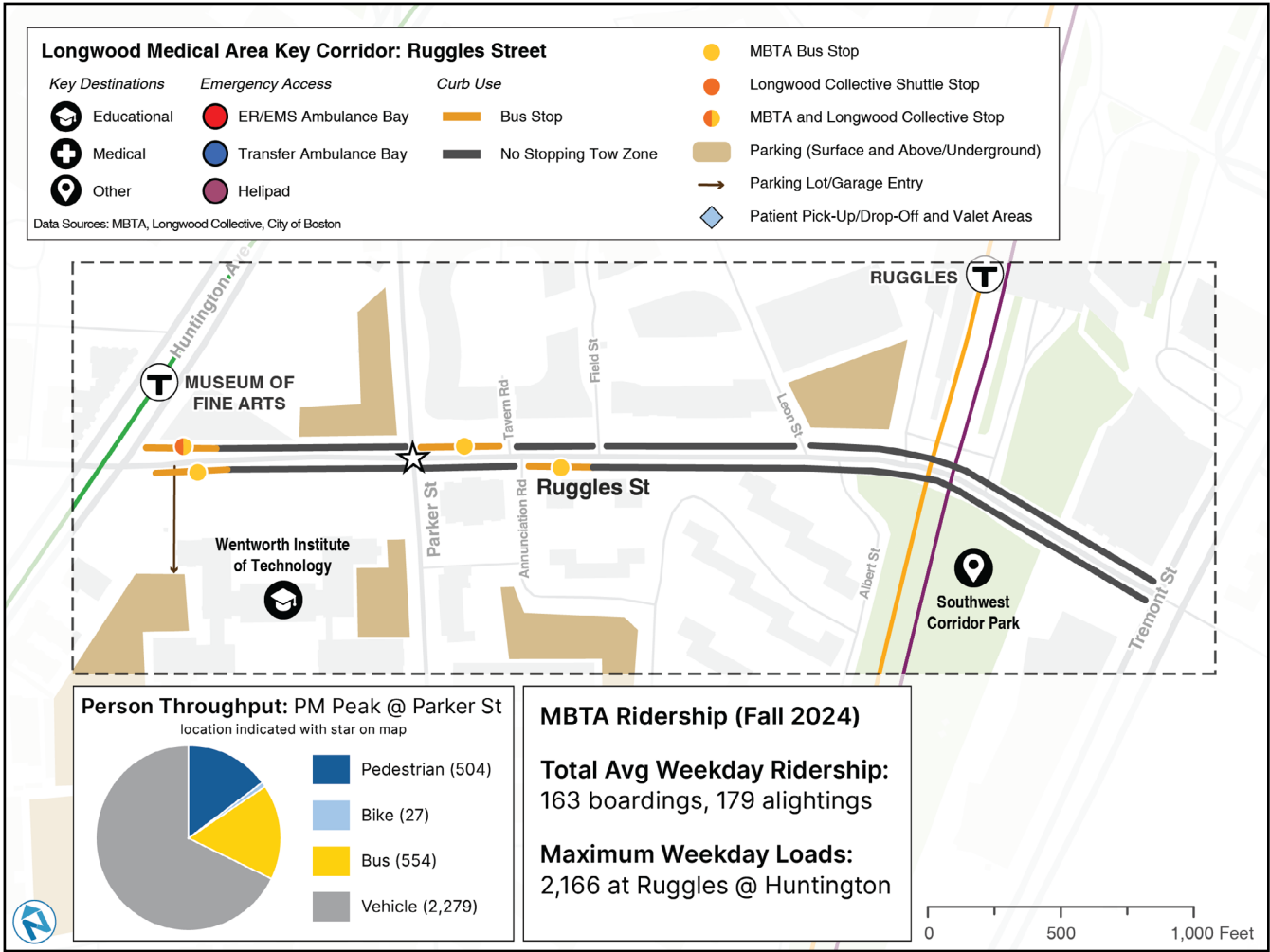
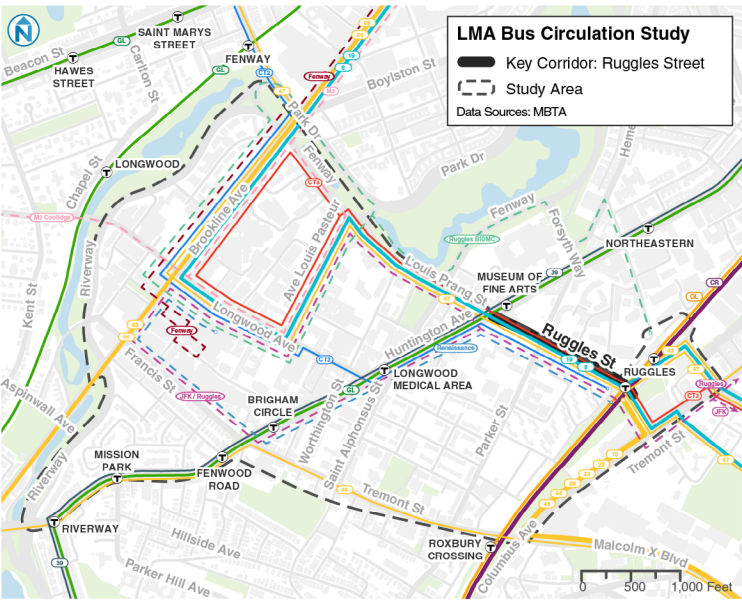
Right-of-Way: 54-74 ft.

Functional Class: Urban Minor Arterial

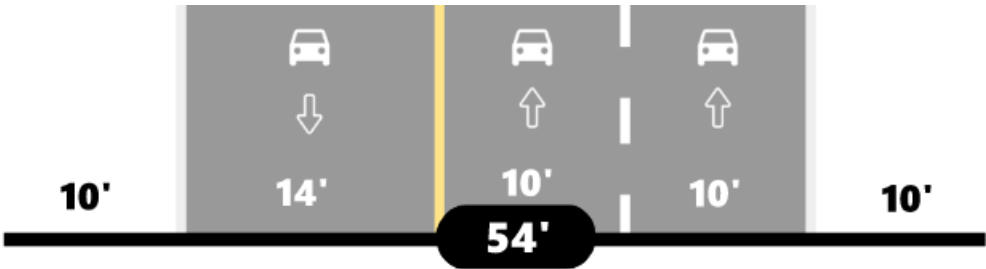
Bus Routes (MBTA): 8, 19, 47, CT2, CT3

Private Shuttle Routes: Longwood Collective - JFK, Renaissance, Ruggles

Bicycle Facility: Some shared facilities

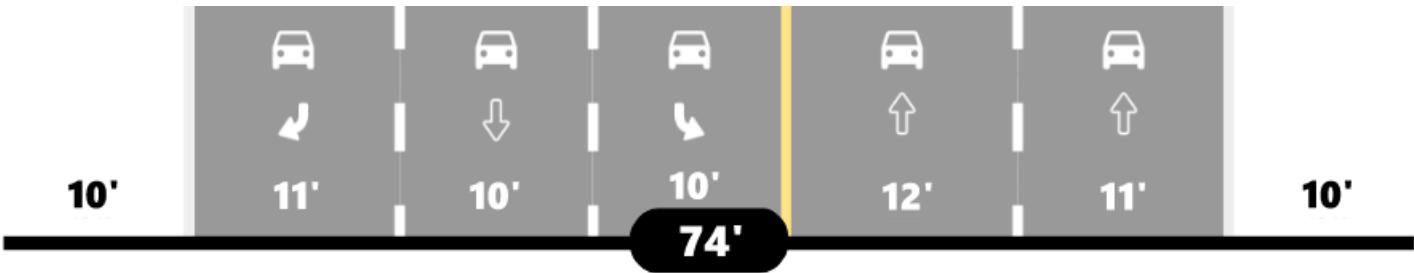


Corridor Cross-Sections



Huntington Avenue to Lower Ruggles Busway

Ruggles Street from Lower Ruggles Busway to Tremont St is a two-way street with one eastbound general-purpose travel lane and two westbound general-purpose travel lanes.



Lower Ruggles Busway to Tremont Street

From the Lower Ruggles Busway to Tremont Street, Ruggles Street expands to include three southeast-bound travel lanes, with one dedicated left turn lane, one through lane, and one dedicated right turn lane. Parking is restricted in both directions for the length of the corridor.

Saint Alphonsus Street

Huntington to Tremont • 0.22 Miles

Saint Alphonsus Street is a primarily residential street that connects Tremont Street and Huntington Avenue. No MBTA bus routes travel on Saint Alphonsus, but one shuttle does use the corridor.

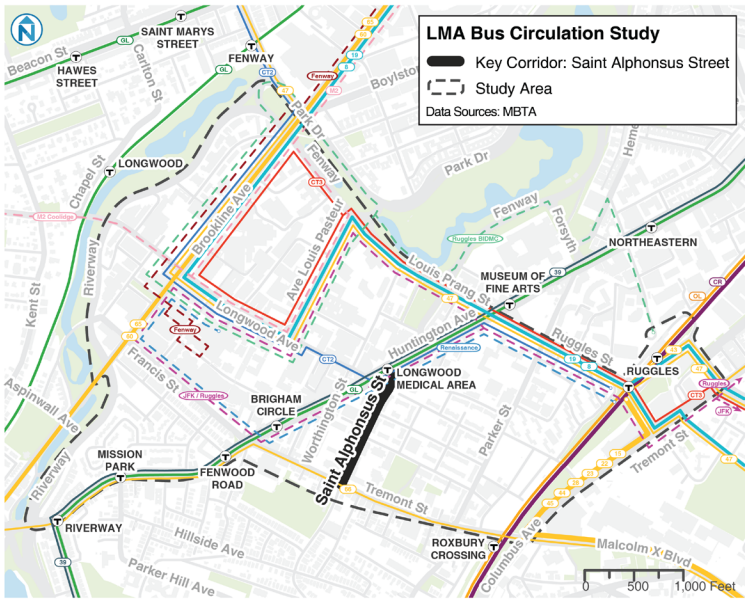
Right-of-Way: 72 ft.

Functional Class: Urban Minor Arterial

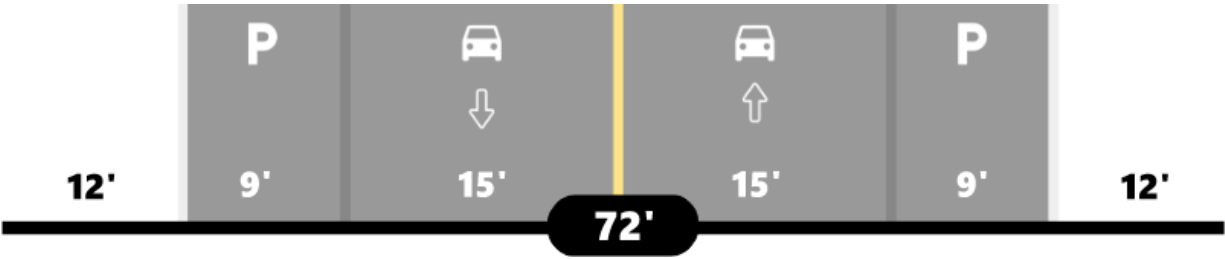
Bus Routes (MBTA): N/A

Private Shuttle Routes: HSPH Shuttle

Bicycle Facility: Separated facilities

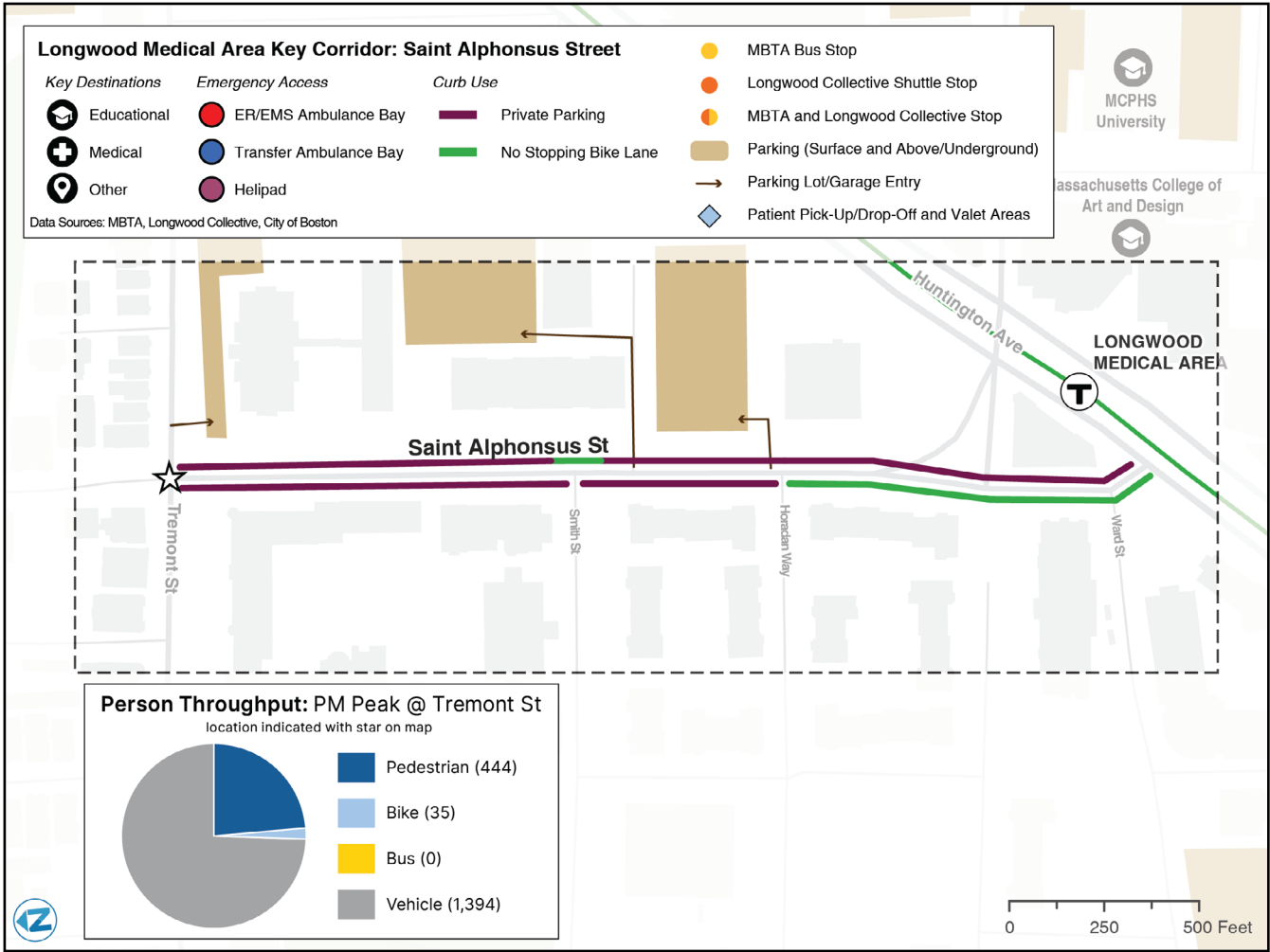


Corridor Cross-Sections



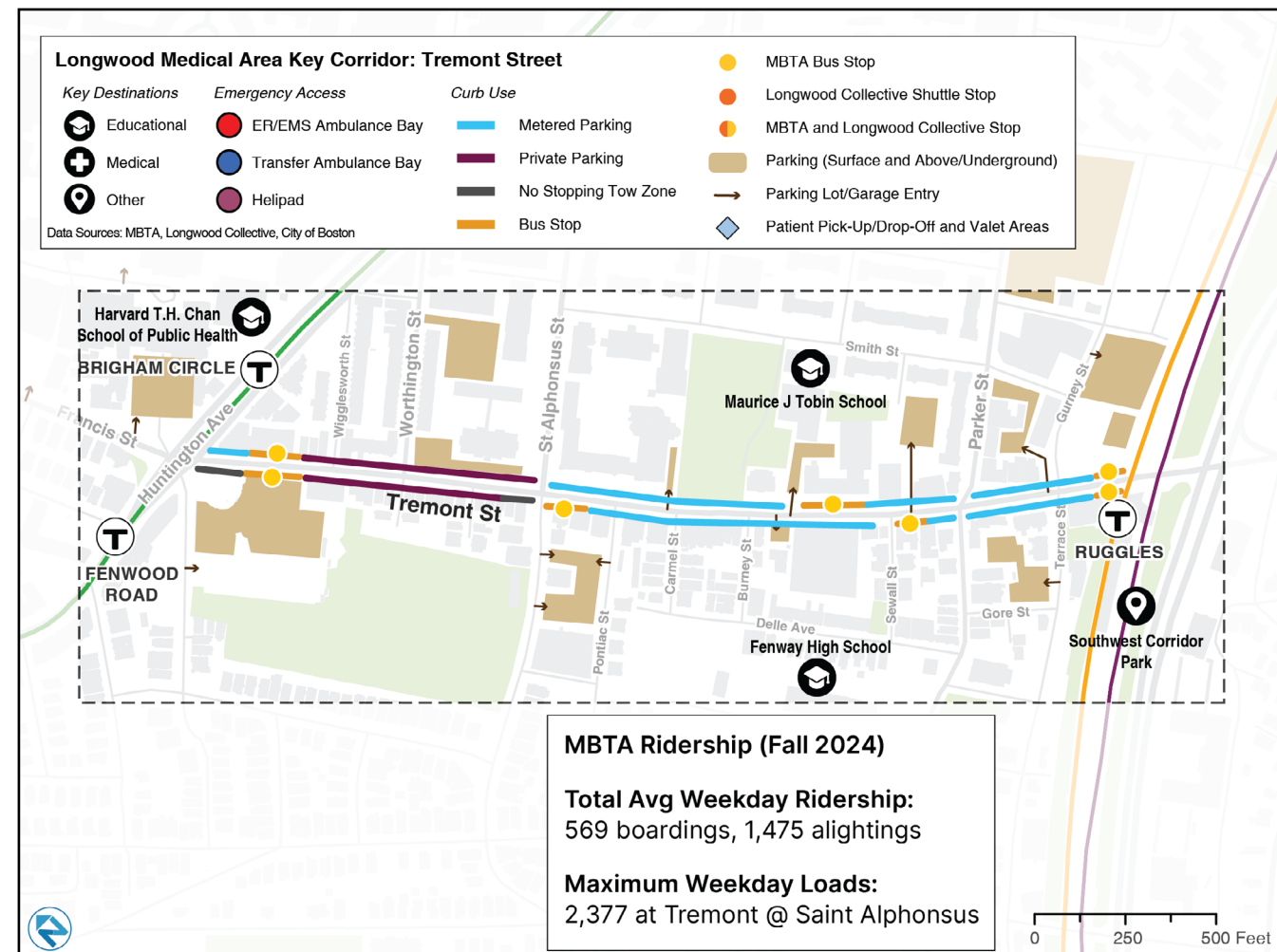
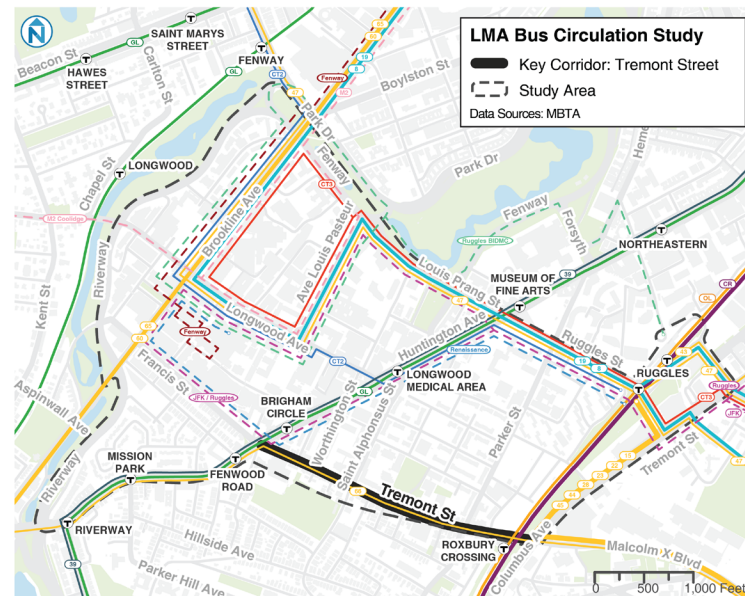
Huntington Avenue to Tremont Street

Saint Alphonsus Street between Huntington Avenue and Tremont Street is a two-way street with space for one general-purpose travel lane in each direction. Painted bike lanes are present for the majority of the corridor in both directions. Curbside parking is generally available in both directions along Saint Alphonsus Street.



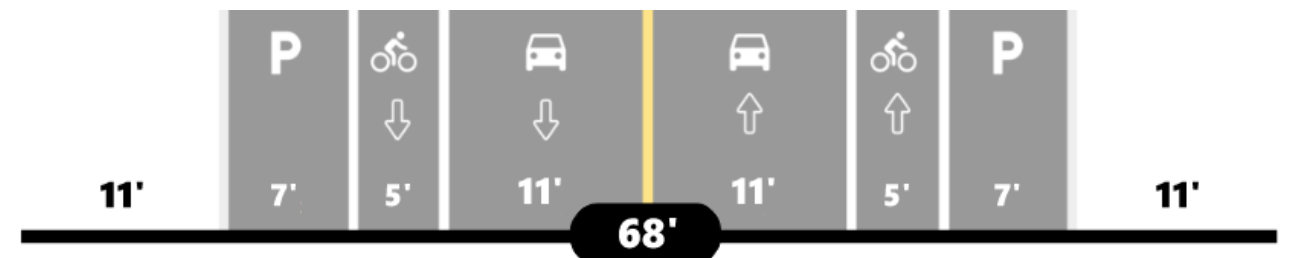
Huntington to Columbus • 0.55 Miles

Bicycle Facility: Some protected and shared facilities

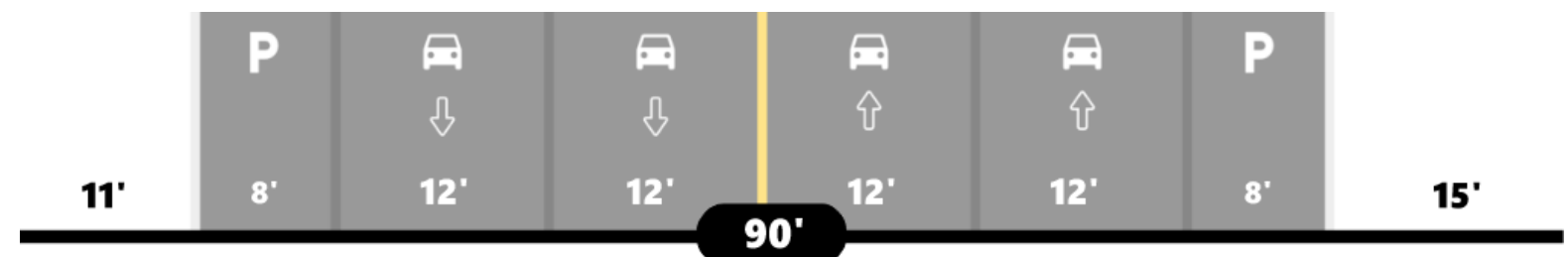


A diagram of a 64-foot wide parking area. The total width is labeled as 64' in a black oval at the bottom center. The area is divided into sections with the following dimensions from left to right: 10', 10', 12', 12', 10', and 10'. The 10' sections are shaded light gray, while the 12' sections are shaded dark gray. The dark gray sections contain white symbols: a 'P' for parking, a car icon with a downward arrow, and a car icon with an upward arrow. A yellow vertical line separates the two 12' sections.

Tremont Street between Huntington Avenue and Torpie Street is a two-way street with one general-purpose travel lane in each direction. With the exception of bus stop locations, unstriped curbside parking is generally provided in both directions along Tremont Street. The curb-to-curb width of Tremont Street narrows approximately 6-feet between Torpie Street and St Alphonsus Street. Tremont Street remains a two-way street with one general-purpose travel lane in each direction with unstriped curbside parking present in both directions through this segment of the corridor.



Tremont Street between St Alphonsus Street to Gurney Street is a two-way street with one general-purpose travel lane in each direction. Curbside parking is generally provided in each direction. Between St Alphonsus Street and Carmel Street, the curb-to-curb width of Tremont Street transitions from 38-feet at St Alphonsus to 48-feet at Carmel. Striped bike lanes between the parking lane and general-purpose travel lane are present in both directions from Carmel Street to Gurney Street.



Tremont Street between Gurney Street and Columbus Avenue is a two-way street with space for two general-purpose travel lanes in each direction. Striped bike lanes on Tremont Street terminate to the west at Gurney Street and are not present between Gurney and Columbus. Curbside parking is generally available in both directions along Tremont Street.