

D Branch Stations Accessibility Near-Term Upgrades

Newton Commission on Disabilities
Monday, September 9, 2024



D Branch Station Upgrades

The MBTA will make all stations on the D Branch accessible in the near-term and provide future upgrades to five stations 2

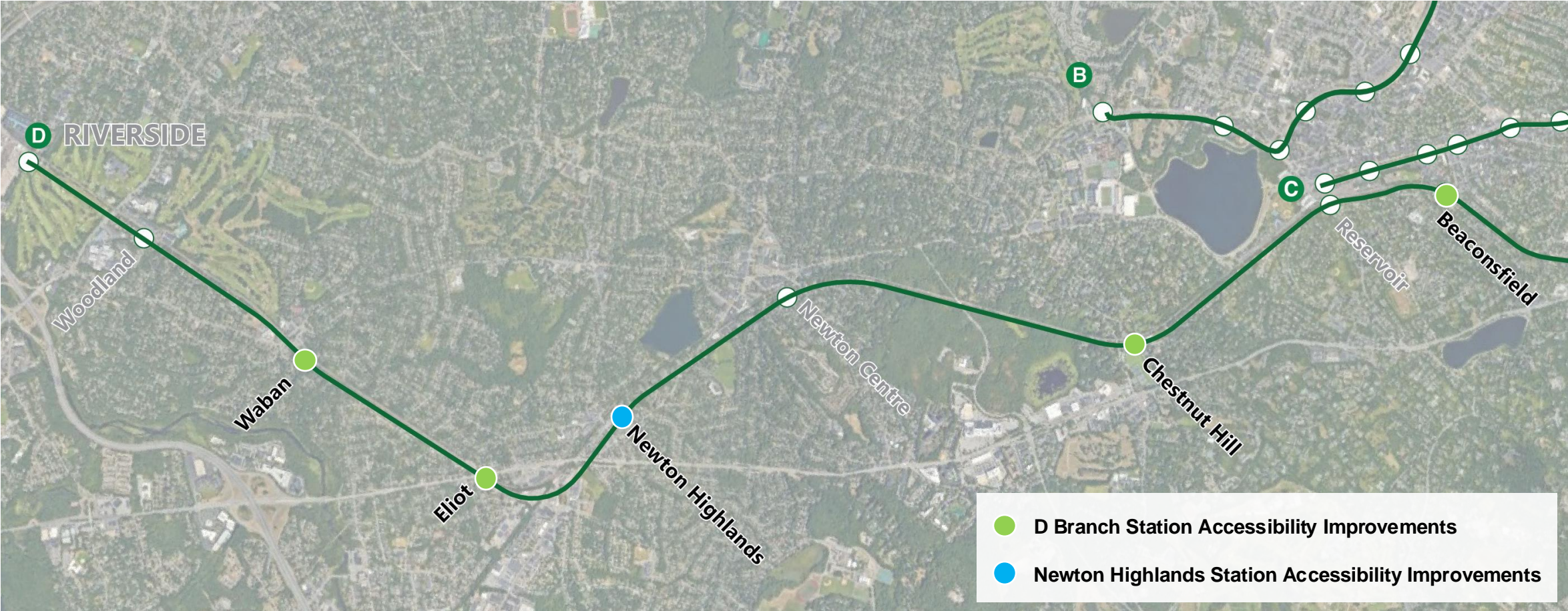


- Phased construction approach will be used to minimize disruption and make all stations on the D Branch accessible
- Phase 1 - Near-Term (Fall 2024)
 - 8” high, ~140’ long platforms
 - Accommodate legacy fleet train (2 cars) or single Type 10
 - Upgrade entrance walkways
 - Allow for boarding with bridge plates
 - Similar to near-term upgrades completed on Newton Highlands Westbound platform
 - Coordination with phase 2 design to minimize rework
- Phase 2 - Future (2026-2028)
 - 8” high, 225’ long platforms
 - Accommodate legacy fleet and 2 car Type 10 train
 - New amenities (Canopies, wayfinding, benches, customer assistance areas)
 - Upgraded accessible entrances



D Branch Accessibility Upgrades

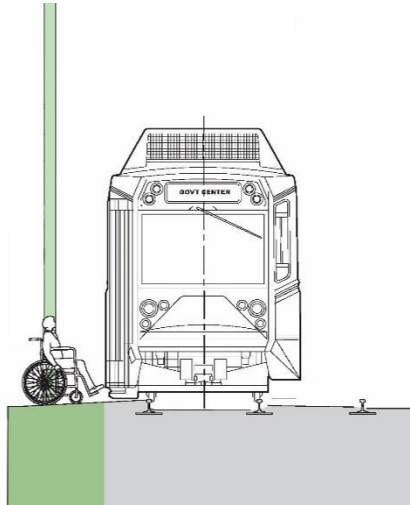
Improvements are planned at Waban, Eliot, Newton Highlands, Chestnut Hill, and Beaconsfield Stations



Platform Upgrades

Accessibility improvements will be constructed using a phased approach

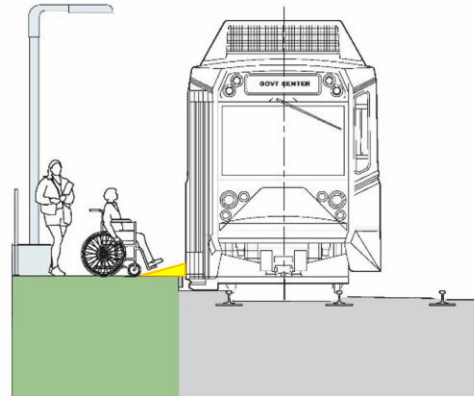
Existing Conditions



- Platform even with top of rail
- Too low to deploy bridge plate
- Narrow, uneven platforms

Near-Term Platform Improvements

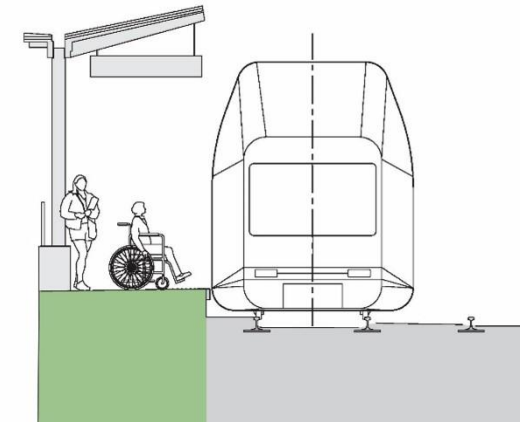
- **8 inches above top of rail**
- **140 feet long (minimum) – Phase 1**
- **225 feet long – Phase 2**



- **Allows accessible boarding with bridge plate deployment**
- **Benches and amenity upgrades**

Future Platform Improvements

- Level with train floor (14 inches)
- 225 feet long

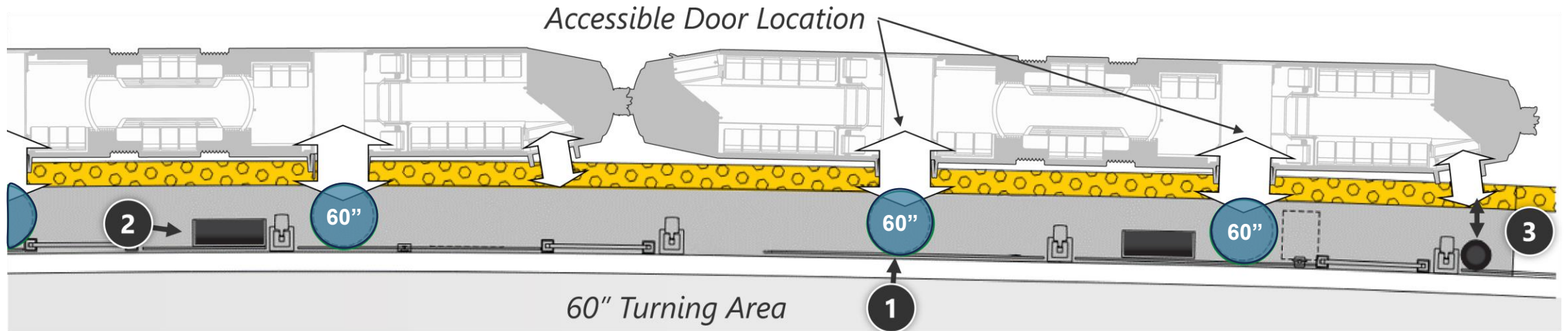


- Provides roll-on, roll-off boarding
- Raised after legacy cars retired
- Accommodates double Type 10 vehicles
- Canopies added



Boarding Improvements

Accessible platforms allow the use of bridge plates to allow boarding for those using mobility devices



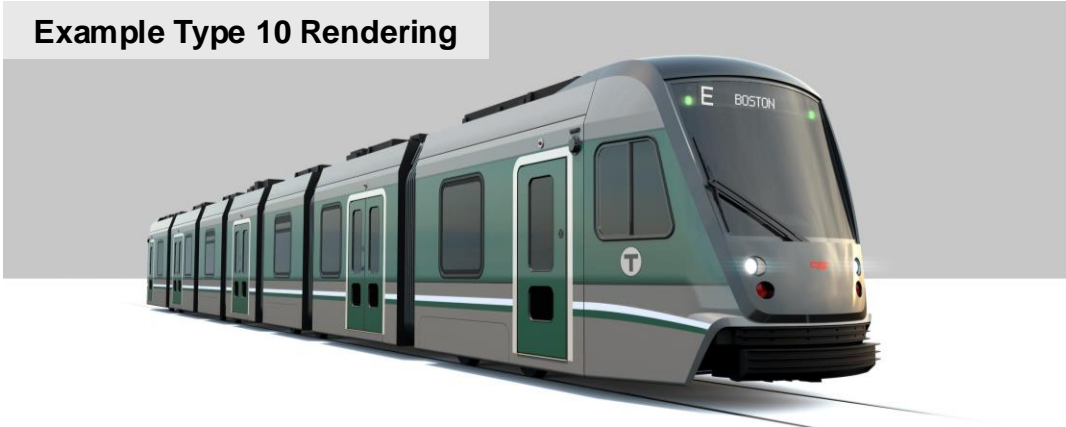
- 1 Apply 60-inch turning area for mobility devices at accessible door locations
- 2 Locate platform amenities to ensure clear turning space for customers
- 3 Provide clearance for mobility devices around any platform obstructions



Type 10 Vehicles

In addition to station improvements, the future Type 10 vehicles will further improve the accessibility of the Green Line

Example Type 10 Rendering



Vehicle Improvements

- ✓ 100% low floor in passenger area
- ✓ 32-inch clear aisle width throughout vehicle
- ✓ Bridge plates at all double-leaf doors
- ✓ 4 priority areas for passengers using mobility devices
- ✓ Audiovisual passenger information system

Accessible Bridge Plate



Infrastructure Improvements

- ✓ Dedicated stations with barriers from road traffic
- ✓ Raised platforms for accessible bridge plate boarding
- ✓ Accessible crossings
- ✓ Improved amenities and wayfinding
- ✓ Allows for future level boarding



Customer Improvements

Station upgrades will benefit all customers and provide a consistent rider experience

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Operate a fully accessible D Branch

- For all types of trains
- Maintain access to services

Enhance safety at stations

- Accessible emergency exits and points of safety
- Call box for emergency and for information
- Adequate lighting on platform, access path and parking

Improve access to stations

- For all riders
- Shorter path to ticketing, shelter and accessible parking

Provide a more predictable experience

- Uniform design
- Standardized materials and amenities
- Consistency in wayfinding



D Branch Station Upgrade Phasing

Phase 1 will be complete in 2025 and Phase 2 will follow

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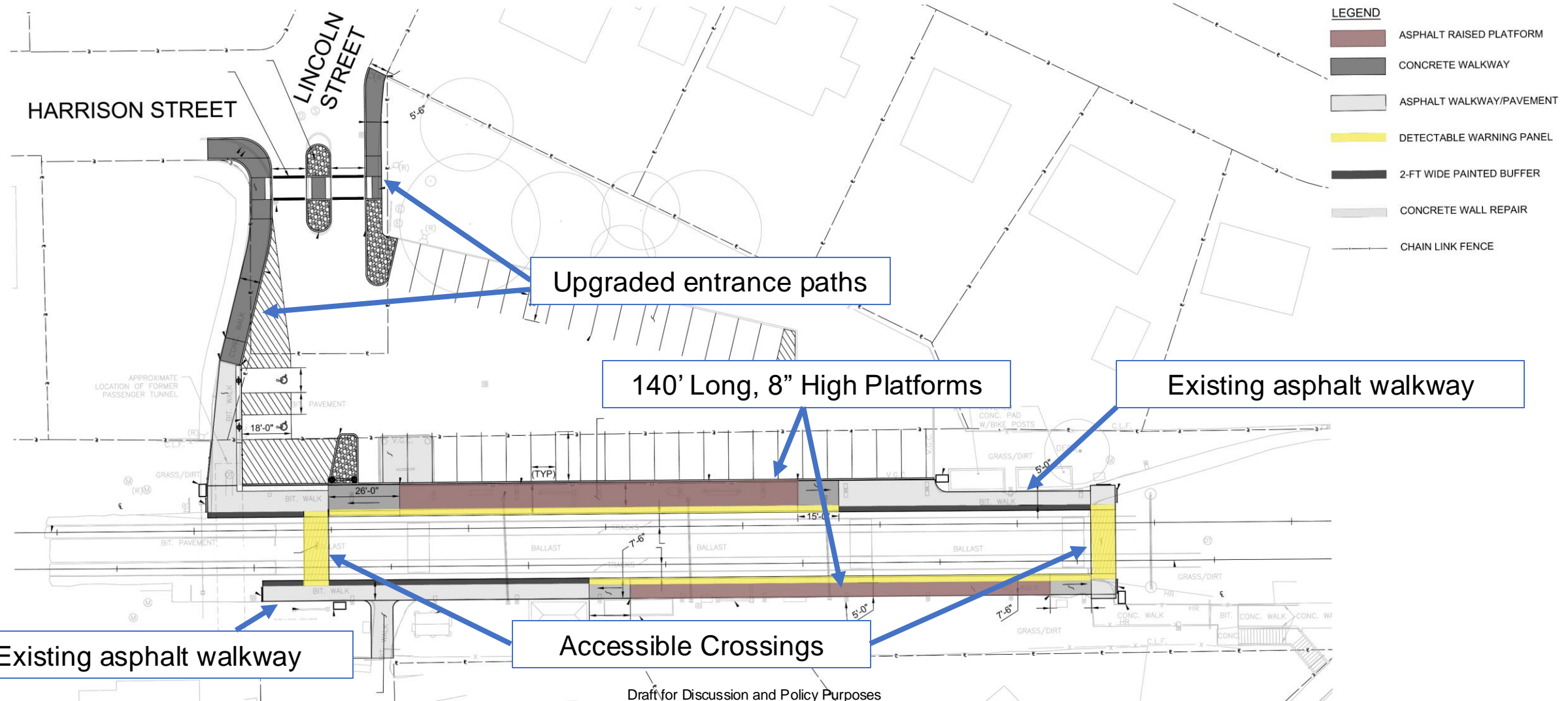


- Phase 1 – Near-Term Upgrades (Fall 2024)
 - 3 Weekend diversions planned
 - Oct 5-6 (Beaconsfield and Chestnut Hill)
 - Oct 19-20 (Eliot and Waban)
 - Nov 9-10 (All stations)
 - Additional day/night work planned following weekend diversions to complete interim upgrades
 - Beaconsfield, Chestnut Hill, Eliot, Waban
- Phase 2 – Full Build (2026-2028)
 - Schedule optimization in progress to provide minimum service disruption and take advantage of track outages to construct all 5 D Branch Stations
 - Chestnut Hill, Eliot, Waban, Newton Highlands, Beaconsfield



Near-Term Station Improvements

Phase 1 includes construction of accessible paths, platforms, and crossings



D Branch Station Upgrades

Next Steps



- Phase 1 construction Fall 2024
- Phase 2 construction planning and coordination
- Future stakeholder engagement for phase 2
- Please reach out to GLT@mbta.com with comments, concerns, or questions



Thank you

