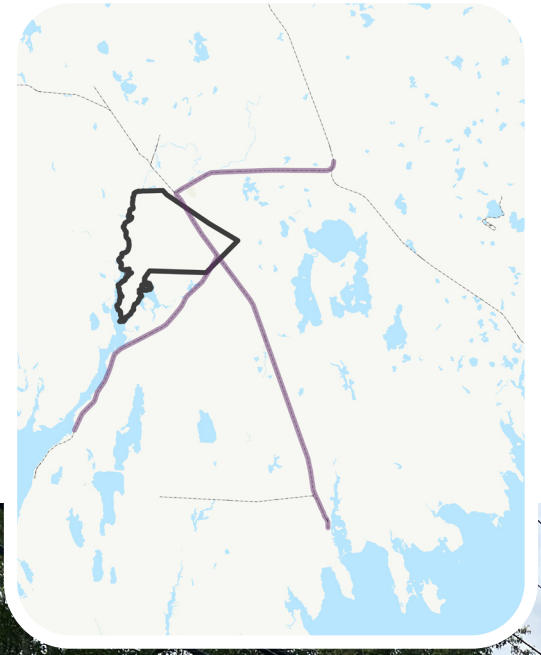

BERKLEY, MA

South Coast Rail Grade Crossings

Quiet Zone Improvements

OCTOBER 2025

PREPARED FOR

MBTA

PREPARED BY

VHB

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Appendices

1

Project Background

The purpose of this project is to review four grade crossings in Berkley, Massachusetts for the potential implementation of a Quiet Zone. On March 24, 2025, the Massachusetts Bay Transportation Authority (MBTA) and Keolis Commuter Services (Keolis) opened the South Coast Rail Extension which expanded service from Middleborough to New Bedford and Fall River. Multiple communities have been impacted by the increased train traffic and subsequent noise from train horns at each grade crossing. The increased activity has led to a request for VHB to provide services to identify recommendations for safety improvements at each crossing in compliance with the Federal Railroad Administration's (FRA) Quiet Zone rules. This includes participating in Diagnostic Team Review (DTR) site visits, developing conceptual site plans, conceptual cost estimates, analysis of the risk value through the FRA's Quiet Zone Calculator, and outlining environmental permitting requirements for implementation of the grade crossing improvements.

1.1 Quiet Zone Definition

Per the FRA's Quiet Zone Rule outlined in Title 49 Subtitle B Chapter II Part 222 Appendix C [1], a Quiet Zone is a segment of rail line, within which is situated one or a number of consecutive public highway-rail crossings at which locomotive horns are not routinely sounded. Trains are required by the FRA to blow their horn 15 to 20 seconds before the locomotive enters a crossing. If a train is traveling faster than 60 miles per hour, then a horn should be sounded when the train

1 Federal Railroad Administration Guide to Establishing a Quiet Zone, Appendix C to Part 222, Title 49 https://www.ecfr.gov/current/title-49/part-222/section-222.39

is no more than a quarter mile from the crossing even if the advanced warning is less than 15 seconds. A Quiet Zone is established to prevent locomotive horns from sounding by implementing enhanced safety features at grade crossing roadway approaches. These measures include additional crossing gates (both entrance and exit), non-traversable medians, signage, and roadway striping. It is important to note that, although trains are not required to use their horns through a Quiet Zone, they are not prohibited. Train operators could sound horns only in emergency situations rather than as a standard operational procedure. Additionally, private crossings do not qualify for Quiet Zones unless they are located between two public highway-rail crossings and a Quiet Zone must start and end with a public crossing.

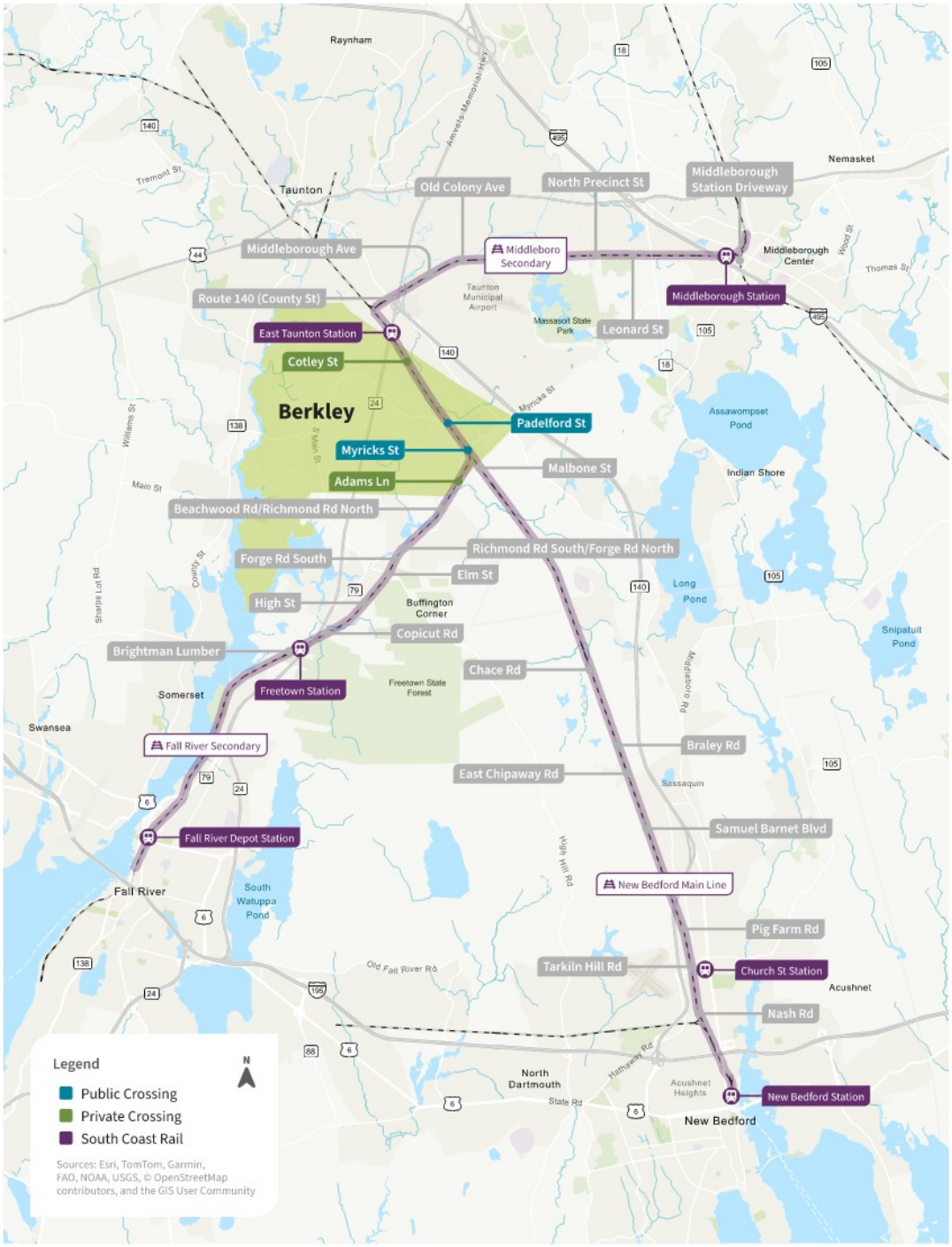
1.2 Quiet Zone Process

Quiet Zones are implemented as agreements between a municipality and the FRA. In order to establish a Quiet Zone on an MBTA Commuter Rail Line, a municipality is required to perform a DTR at each grade crossing with all stakeholders including Town officials, MBTA, Keolis, FRA, Department of Public Utilities (DPU), and others as needed. DTRs allow all stakeholders to discuss design considerations, community and safety concerns, ask questions, and provide input on implementation. Site plans, often referred to as H-plans, are then developed to reflect the recommendations discussed in the field and sent to all parties involved in the DTR for review and concurrence. The recommended supplemental safety measures (SSM's) or alternative safety measures (ASM's) are entered into the FRA Quiet Zone Calculator, which determines the Quiet Zone Risk Index value. This value must be equal to or less than the Nationwide Significant Risk Threshold to be qualified for a Quiet Zone. If ASMs are used, an application must be submitted to the FRA for review and approval. During the quiet zone development process, a Notice of Intent must be sent by the municipality to railroads and state agencies allowing them 60 days to provide input. Once the safety measures are complete, a Notice of Quiet Zone Establishment must also be sent by the municipality to advise all impacted parties of the Quiet Zone.

1.3 Berkley Quiet Zone Crossings

The locus map in Figure 1 below shows that Berkley has four grade crossings: three on the New Bedford Mainline and one on the Fall River Secondary. Of these, only Padelford Street and Myricks Street are eligible for Quiet Zone consideration. Cotley Street and Adams Lane are private crossings and do not qualify because the FRA Quiet Zone rule requires that a Quiet Zone must start and end with a public crossing.

Figure 1: Berkley Quiet Zone Crossings Locus Map



2

Existing Conditions

Berkley is located in Bristol County in southeastern Massachusetts. It is bordered by Taunton to the north, Lakeville to the east, Freetown to the south, and Dighton to the west. Currently, Keolis operates commuter service while Mass Coastal Railroad operates freight service over the New Bedford Main Line and Fall River Secondary tracks. There are approximately 7.34 miles of active track within the MBTA's territory in Berkley.

2.1 Cotley Street (FRA Crossing No. 537306R)

Cotley Street is a two-track grade crossing on the New Bedford Main Line at milepost NM 38.358. Cotley Street is a private two-lane road that is approximately 20 feet wide where the north approach to the crossing features a slight curve. The grade crossing experiences a daily train volume of 60 trains, with a maximum authorized speed of 79 mph, and at this location, trains do not activate their horns when passing through. Additional grade crossing information can be found on the U.S. DOT Crossing Inventory Form in Appendix A. Both entrances to the crossing are secured by locked gates, preventing access to the MBTA's ROW. At the crossing, there are no pavement markings and no posted 'No Train Horn' signs, though crossing gates equipped with warning flashers are installed.

2.2 Padelford Street (FRA Crossing No. 537307X)

Padelford Street is a two-track grade crossing on the New Bedford Main Line at milepost NM 39.859. Padelford Street is a public two-lane road that is approximately 25 feet wide at the western approach and 28 feet 6 inches wide at the eastern approach. The grade crossing experiences a daily train volume of 60 trains, with a maximum authorized speed of 79 mph. Additional grade crossing information can be found on the U.S. DOT Crossing Inventory Form in Appendix A. Macomber Street intersects Padelford Street at a 90° angle less than 40 feet from the crossing. The western approach has a cantilever with a crossing gate and warning flashers, while the eastern approach has a crossing gate with warning flashers. Both sides have railroad grade crossing striping, and railroad grade crossing signage. There are several white reflective plastic delineator posts on the sides and between the tracks on both sides of the crossing. There are utility poles above the gates on the west side of the crossing as well as a culvert that runs parallel to the tracks with headwalls on either side of the roadway on the west side of the crossing.

2.3 Myricks Street (FRA Crossing No. 537308E)

Myricks Street is a four-track grade crossing on the New Bedford Main Line at milepost NM 40.536. Myricks Street is a public two-lane road that is approximately 28 feet wide at the western approach and 28 feet 6 inches wide at the eastern approach. The grade crossing experiences a daily train volume of 60 trains, with a maximum authorized speed of 79 mph. Additional grade crossing information can be found on the U.S. DOT Crossing Inventory Form in Appendix A. This grade crossing is located immediately south of Myricks Junction where the New

Bedford Main Line and Fall River Secondary diverge. There is heavy truck traffic at Myricks Street from surrounding industrial areas. The southwestern approach has a cantilever with a crossing gate and warning flashers, while the northeastern approach has a crossing gate with warning flashers. Both sides have roadway striping, and signs. There are also four white reflective plastic delineator posts between the tracks on both sides of the crossing. Grove Street runs parallel to the tracks and ends at a stop sign about 100 feet' from the crossing. Myricks Street is located within one-half mile of the Malbone Street grade crossing.

2.4 Adam's Lane (FRA Crossing No. 537352S)

Adams Lane is a single track grade crossing on the Fall River Secondary at milepost FS 00.838. Adams Lane is a private one-lane road that is approximately 10 feet wide and provides access to a private residence. The grade crossing experiences a daily train volume of 28 trains, with a maximum authorized speed of 45 mph, and at this location, trains do not activate their horns when passing through. Additional grade crossing information can be found on the U.S. DOT Crossing Inventory Form in the appendices.

3

Recommended Improvements

The Town of Berkley, MA qualifies for a Quiet Zone spanning 2.13 miles, including Padelford Street and Myricks Street grade crossings, with an overlap into Lakeville, MA. Due to its close proximity, Malbone Street should be included in this Quiet Zone and coordinated as such with the town of Lakeville. This section presents recommended improvements based on site assessments, stakeholder feedback, and Quiet Zone regulatory requirements.

3.1 Cotley Street (FRA Crossing No. 537306R)

Recommended improvements for Cotley Street Crossing include one "No Train Horn" (W10-9P) sign on the southern approach to the grade crossing. New railroad grade crossing pavement markings will be installed in accordance with the 11th Edition of the Manual on Uniform Traffic Control Devices (MUTCD). Cotley Street is designated as a private crossing and since it would be the start of the quiet zone in Berkley, it does not qualify.

Appendix B includes the H-plan showing the recommended grade crossing improvements for Cotley Street.

3.2 Padelford Street (FRA Crossing No. 537307X)

Recommended improvements for Padelford Street include addition of two additional crossing gates on the exit side of the grade crossing (exit gates) to create a 4-quad gate system. This will consist of installing crossing gates with flashers on the exit side of each traffic lane, relocating the existing crossing gate in the northeast quadrant, adding vehicle loop detectors within the crossing as part of the 4-quad gate system, and additional grade crossing signage. Additionally, two non-traversable medians will need to be installed on either side of the grade crossing between the existing and proposed gates because of the skew in the crossing and the impacts associated with modifying existing entrance gates. A 15 foot long by 2 foot wide median will be installed on the western approach of the grade crossing, while an 18 foot long by 2 foot wide median will be installed on the eastern approach. An advanced set of flashers west of the crossing on Padelford Street will help to warn vehicles coming around the curve to avoid rear-ending cars waiting at the stop line. New railroad grade crossing pavement markings and advanced warning signage will be installed in accordance with the 11th Edition of the Manual on Uniform Traffic Control Devices (MUTCD).

Vehicle loop detectors will need to be installed within the crossing as part of the 4-quad gate system. This provides protection for vehicles in the event that a vehicle becomes trapped between downed crossing gates by triggering the exit gates to open and allowing the car to clear the grade crossing. This system also sends a signal to the approaching train if such an event occurs. Signal and power cables will need to be reinstalled for the new gates while the existing gate on the northeast side will need to be relocated and rotated.

Appendix B includes the H-plan showing the recommended grade crossing improvements for Padelford Street.

3.3 Myricks Street (FRA Crossing No. 537308E)

Recommended improvements for Myricks Street Crossing include addition of two additional crossing gates on the exit side of the grade crossing (exit gates) to create a 4-quad gate system. Access to the existing access road needs to be maintained in the southwest quadrant of the crossing for propane trucks. Vehicle loop detectors will need to be installed within the crossing as part of the 4-quad gate system. New railroad grade crossing pavement markings and advanced warning signage will be installed in accordance with the 11th Edition of the Manual on Uniform Traffic Control Devices (MUTCD).

Appendix B includes the H-plan showing the recommended grade crossing improvements for Myricks Street.

3.4 Adam's Lane (FRA Crossing No. 537352S)

Recommended improvements for Adam's Lane Crossing include "No Train Horn" (W10-9P) signs on both sides of the crossing. A Grade Crossing Advanced Warning (W10-1) sign should also be added on the west side of the crossing. Adam's Lane is designated as a private crossing and since it would be the end of the quiet zone in Berkley, it does not qualify.

Appendix B includes the H-plan showing the recommended grade crossing improvements for Adam's Lane.

4

Quiet Zone Calculator

The FRA Quiet Zone Calculator is used to assess risk levels at grade crossings before and after proposed Quiet Zone improvements are implemented. To calculate the risk index, the municipality's grade crossings are selected from the FRA crossing inventory and added to the new zone. The desired Supplemental Safety Measure (SSM) is then selected; each option associated with a specific number identifier (SSM#). In order to qualify for a quiet zone, the Quiet Zone Risk Index value must be lower than the Risk Index with Horns value.

In Berkley, SSM6 was chosen for both crossings, representing an upgrade to Four-Quadrant Gates from Two-Quadrant Gates, including Vehicle Presence Detection. After running the calculator, a risk index is generated. Table 1 below identifies the selected SSMs for each public grade crossing and shows that the Risk Index is significantly reduced, thereby meeting the qualification criteria for establishing a Quiet Zone.

Table 1: Berkley/Lakeville Quiet Zone

FRA Crossing Inventory ID No.	Street Name	Warning Device	SSM #	Risk
537307X	Padelford Street (Berkley)	Gates	6	18,144.59
537308E	Myricks Street (Berkley)	Gates	6	28,581.02
537309L	Malbone Street (Lakeville)	Gates	13	8,285.40
		Risk Index with Horns		48,877.27
		Quiet Zone Risk Index		18,337.01

5

Environmental Review and Permitting

This section describes environmental permitting considerations for proposed quiet zone safety upgrades at four grade crossings in Berkley, Massachusetts. The analysis identifies regulatory requirements that are applicable across all grade crossing locations, as well as site-specific permitting needs where applicable. Each grade crossing location in Berkley was reviewed for potential environmental permitting and compliance requirements under applicable federal and state regulations through a desktop review of publicly available information. This review included, but was not limited to, a review of the following laws and regulations:

- Massachusetts Wetlands Protection Act
- Massachusetts Endangered Species Act
- Chapter 91, the Massachusetts Public Waterfront Act
- Article 97 of the Massachusetts Constitution
- Clean Water Act (Section 401 and Section 404)

5.1 Overall Environmental Considerations

Massachusetts Contingency Plan: Ground disturbance is anticipated as part of quiet zone improvements at most Berkley crossing locations. There is potential to encounter impacted soil during excavation activities due to the potential presence of historic railroad and roadway-related contaminants. If petroleum or hazardous materials are encountered that require management or off-site disposal, the work will be conducted in accordance with the Massachusetts Department of Environmental Protection Massachusetts Contingency Plan regulations (310 CMR 40.0000). The Project may require oversight by a Licensed Site Professional during construction where soil disturbance occurs.

National Environmental Policy Act: If the Town decides to seek federal funds for the work, they would be required to go through the National Environmental Policy Act (NEPA) process. NEPA requires that the proponent prepare and submit to the lead federal agency environmental documentation describing the proposed action, its potential environmental impacts, and any potential minimization and/or mitigation measures. As part of the NEPA process, the proponent would also be required to fulfill the requirements of Section 106 of the National Historic Preservation Act, Section 7 of the Endangered Species Act, and any other federal special interest

laws identified through the process. If federal funding is sought, the proponent should consult with the lead federal agency early in the process to determine filing requirements. Note that the action of designating a Quiet Zone by the Federal Rail Administration does not trigger the need for NEPA.

5.2 Location Specific Environmental Considerations

5.2.1 Cotley Street

No additional environmental permitting is anticipated for this location. Proposed work is limited to signage and new pavement markings entirely within existing rail/roadway ROW with limited ground disturbance. No environmental resource impacts are anticipated. If the scope of work were to change at this location, then impacts and required permitting and approvals would require reconsideration.

5.2.2 Padelford Street

Massachusetts Endangered Species Act: The grade crossing abuts areas of National Heritage & Endangered Species Program (NHESP) Priority Habitat of Rare Species and Estimated Habitat of Rare Wildlife.[2, 3] The work in this area would occur within the existing ROW and would not alter habitat. Review and coordination with NHESP is not required. If the scope of work expands within this area, then coordination with NHESP may be required.

Massachusetts Wetlands Protection Act: Bordering vegetated wetlands are mapped in proximity to the grade crossing.[4] While mapping suggests that work may occur within the 100-foot buffer to bordering vegetated wetlands, the work may be considered a "minor activity," as described in 310 CMR 10.02(2)(b)2, and thus may not require an Order of Conditions. Consultation with the Berkley Conservation Commission would be required to confirm permitting needs.

5.2.3 Myricks Street

As no environmentally sensitive areas are in proximity to the grade crossing, no site-specific environmental permits or approvals are anticipated for this location.

5.2.4 Adams Lane

As no environmentally sensitive areas are in proximity to the grade crossing, no site-specific environmental permits or approvals are anticipated for this location.

2 NHESP Priority Habitat of Rare Species. Massachusetts Division of Fisheries & Wildlife, Natural Heritage & Endangered Species Program. https://www.arcgis.com/home/item.html?id=a953ef7fe0744ef2b2a8fb49118c51c7. Accessed October 2025.

3 Estimated Habitat of Rare Wildlife. Massachusetts Division of Fisheries & Wildlife, Natural Heritage & Endangered Species Program. https://www.mass.gov/info-details/massgis-data-nhesp-estimated-habitats-of-rare-wildlife. Accessed October 2025.

4 MassDEP Wetlands GIS Layer. MassGIS. https://www.arcgis.com/home/item.html?id=1f61a432591140f7a3bb48dd97f2345d. Accessed October 2025.

6

Conceptual Cost Estimate

Conceptual cost estimates were developed for each municipality using a high and low range of values for each grade crossing. Each grade crossing was assigned a type based on typical SSM's and grade crossing layouts and the high and low range of cost estimates were developed for each type.

- Type 1 - 4-quadrant gate crossing with no pedestrian gates;
- Type 2 - 4-quadrant gate crossing with sidewalks and pedestrian gates;
- Type 3 - median islands and no gate modifications;
- Type 4 - 4-quadrant gate crossing with short medians between the gate arms;
- Type 5 - private crossing with additional signage only;
- Type 6 - loop detectors only.

Table 2 below outlines the high and low range conceptual cost estimate for each grade crossing as well as a total conceptual cost estimate. Table 2 excludes the cost for the grade crossings in Lakeville, MA that would be included due to proximity.

Table 2: Berkley Quiet Zone Cost Estimate

Crossing Name	Type #	Low Price	High Price
Myricks Street	1	$1,220,000.00	$1,520,000.00
Padelford Street	4	$1,420,000.00	$1,770,000.00
Cotley Street	5	$7,000.00	$12,000.00
Adams Lane	5	$7,000.00	$12,000.00
	Total	**$2,654,000.00**	**$3,314,000.00**

Additionally, the following high-level assumptions were made as shown in the detailed cost estimates.

- Cost estimates provided below include all design and construction costs.
- MBTA soft costs, including project management, administration, and field inspections, are estimated at 22% of the total construction cost.
- Design services fees are included at 10% for the design phase and 4% for the construction phase, with both fees encompassing the construction contingency.

- Construction Notice to Proceed (NTP) is assumed to be January 2028 and an escalation rate of 16.41% has been applied to both the midpoint of construction and the overall program value for each grade crossing.
- An approximate force account was also included for Keolis design reviews, flagging support, engineering, testing, and commissioning.

Appendix D includes a detailed conceptual cost estimate narrative with assumptions and detailed cost estimate backup.

7

Next Steps

At this stage in the process, the Diagnostic Team Reviews (DTR's) have been completed, H-plans have been developed, and the FRA Quiet Zone calculator has ensured that all proposed supplemental safety measures create a safe grade crossing without the use of locomotive horns.

The implementation of Quiet Zones is an agreement between the Town of Berkley and the FRA. The Town will need to follow the applications process with FRA in order to implement the Quiet Zone, which includes transmitting a Notice of Intent letter prior to the start of work and a Notice of Quiet Zone Establishment prior to the completion of work. All impacted parties, railroads and state agencies, will need to be notified and provided with a 60-day period to submit feedback regarding the proposed Quiet Zone. [5]

In addition to the FRA approval, the Town of Berkley will be required to submit plans and an application for the grade crossing improvements to the Depart of Public Utility using the public web portal process. Approval from the DPU is required prior to initiating construction activities.

It is also recommended that the Town of Berkely initiate a Force Account Agreement with the MBTA and Keolis, which will allow them to support the project for the following activities:

- Design Reviews
- Construction flagging support (flaggers and signalmen)
- Final tie-ins for the signal circuits in the existing Signal Instrument House (SIH)
- Modification of the crossing software logic in the existing SIH
- Final testing of the signal circuits and grade crossing equipment
- Inspection and acceptance of all newly constructed grade crossing protection equipment

5 Federal Railroad Administration Guide to Establishing a Quiet Zone, Appendix C to Part 222, Title 49 https://www.ecfr.gov/current/title-49/part-222/section-222.39

Appendix A: FRA Inventory Forms

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY)	B. Reporting Agency	C. Reason for Update (Select only one)	D. DOT Crossing Inventory Number
09 / 17 / 2025	☒ Railroad ☐ Transit ☐ State ☐ Other	☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction	537306R

Part I: Location and Classification Information

1. Primary Operating Railroad	2. State	3. County
Massachusetts Bay Commuter Railroad [MBTA]	MASSACHUSETTS	BRISTOL

4. City / Municipality	5. Street/Road Name & Block Number	6. Highway Type & No.
☒ In ☐ Near BERKLEY	Cotley Street (Street/Road Name) | * (Block Number)	Private

7. Do Other Railroads Operate a Separate Track at Crossing?	8. Do Other Railroads Operate Over Your Track at Crossing?
☐ Yes ☒ No If Yes, Specify RR	☒ Yes ☐ No If Yes, Specify RR MCRL

9. Railroad Division or Region	10. Railroad Subdivision or District	11. Branch or Line Name	12. RR Milepost
☐ None Commuter Rail	☐ None South Side	☐ None New Bedford Main Line	NM | 0038.358 | (prefix) | (nnnn.nnn) | (suffix)

13. Line Segment *	14. Nearest RR Timetable Station *	15. Parent RR (if applicable)	16. Crossing Owner (if applicable)
V 715 map 16	Stevens	☒ N/A	☒ N/A

17. Crossing Type	18. Crossing Purpose	19. Crossing Position	20. Public Access (if Private Crossing)	21. Type of Train		22. Average Passenger Train Count Per Day
☐ Public ☒ Private	☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.	☒ At Grade ☐ RR Under ☐ RR Over	☒ Yes ☐ No	☒ Freight ☐ Intercity Passenger ☒ Commuter	☐ Transit ☐ Shared Use Transit ☐ Tourist/Other	☐ Less Than One Per Day ☒ Number Per Day 60

23. Type of Land Use
☒ Open Space ☐ Farm ☐ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?	25. Quiet Zone (FRA provided)
☐ Yes ☒ No If Yes, Provide Crossing Number	☒ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established

26. HSR Corridor ID	27. Latitude in decimal degrees	28. Longitude in decimal degrees	29. Lat/Long Source
☒ N/A	(WGS84 std: nn.nnnnnnn) 41.856058	(WGS84 std: -nnn.nnnnnnn) -71.051499	☒ Actual ☐ Estimated

30.A. Railroad Use *	31.A. State Use *
30.B. Railroad Use *	31.B. State Use *
30.C. Railroad Use *	31.C. State Use *
30.D. Railroad Use *	31.D. State Use *
32.A. Narrative (Railroad Use) *	32.B. Narrative (State Use) *

33. Emergency Notification Telephone No. (posted)	34. Railroad Contact (Telephone No.)	35. State Contact (Telephone No.)
800-522-8236	617-222-8240	857-368-8839

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains (6 AM to 6 PM)	1.B. Total Night Thru Trains (6 PM to 6 AM)	1.C. Total Switching Trains	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day ☐ How many trains per week?
42	20	0	0	

2. Year of Train Count Data (YYYY)	3. Speed of Train at Crossing
2025	3.A. Maximum Timetable Speed (mph) 79 3.B. Typical Speed Range Over Crossing (mph) From 45 to 79

4. Type and Count of Tracks
Main 2 Siding 0 Yard 0 Transit 0 Industry 0

5. Train Detection (Main Track only)
☒ Constant Warning Time ☐ Motion Detection ☐AFO ☐ PTC ☐ DC ☐ Other ☐ None

6. Is Track Signaled?	7.A. Event Recorder	7.B. Remote Health Monitoring
☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☒ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
09/17/2025		537306R

Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? ☒ Yes ☐ No

2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*	2.B. STOP Signs *(R1-1)* *(count)*	2.C. YIELD Signs *(R1-2)* *(count)*	2.D. Advance Warning Signs *(Check all that apply; include count)* ☐ None
2	0	0	☒ W10-1 2 ☐ W10-3 ☐ W10-11 ☐ W10-2 ☐ W10-4 ☐ W10-12

2.E. Low Ground Clearance Sign *(W10-5)*	2.F. Pavement Markings	2.G. Channelization Devices/Medians	2.H. EXEMPT Sign *(R15-3)*	2.I. ENS Sign *(I-13)* Displayed
☐ Yes *(count_____)* ☒ No	☒ Stop Lines ☐ Dynamic Envelope ☐ RR Xing Symbols ☐ None	☐ All Approaches ☐ Median ☐ One Approach ☒ None	☐ Yes ☒ No	☒ Yes ☐ No

2.J. Other MUTCD Signs ☒ Yes ☐ No	2.K. Private Crossing Signs *(if private)*	2.L. LED Enhanced Signs *(List types)*
Specify Type R15-2P Count 2 Specify Type _____ Count _____ Specify Type _____ Count _____	☐ Yes ☒ No	

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*	3.B. Gate Configuration	3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*	3.D. Mast Mounted Flashing Lights *(count of masts)* 2	3.E. Total Count of Flashing Light Pairs
Roadway 2 Pedestrian 0	☒ 2 Quad ☐ Full *(Barrier)* Resistance ☐ 3 Quad ☐ 4 Quad ☐ Median Gates	Over Traffic Lane 0 ☐ Incandescent Not Over Traffic Lane 0 ☐ LED	☐ Incandescent ☒ LED ☒ Back Lights Included ☐ Side Lights Included	4

3.F. Installation Date of Current Active Warning Devices: *(MM/YYYY)*	3.G. Wayside Horn	3.H. Highway Traffic Signals Controlling Crossing	3.I. Bells *(count)*
_____/_____ ☒ Not Required	☐ Yes Installed on *(MM/YYYY)* _____/_____ ☒ No	☐ Yes ☒ No	2

3.J. Non-Train Active Warning	3.K. Other Flashing Lights or Warning Devices
☐ Flagging/Flagman ☐ Manually Operated Signals ☐ Watchman ☐ Floodlighting ☒ None	Count 0 Specify type _____

4.A. Does nearby Hwy Intersection have Traffic Signals?	4.B. Hwy Traffic Signal Interconnection	4.C. Hwy Traffic Signal Preemption	5. Highway Traffic Pre-Signals	6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes ☒ No	☒ Not Interconnected ☐ For Traffic Signals ☐ For Warning Signs	☐ Simultaneous ☐ Advance	☐ Yes ☒ No Storage Distance * _____ Stop Line Distance * _____	☒ Yes - Photo/Video Recording ☐ Yes – Vehicle Presence Detection ☐ None

Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad	2. Is Roadway/Pathway Paved?	3. Does Track Run Down a Street?	4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)*
☐ One-way Traffic ☒ Two-way Traffic ☐ Divided Traffic Number of Lanes 2	☒ Yes ☐ No	☐ Yes ☒ No	☐ Yes ☒ No

5. Crossing Surface *(on Main Track, multiple types allowed)* Installation Date * *(MM/YYYY)* _____/_____ Width * 40 Length * 28

☐ 1 Timber ☐ 2 Asphalt ☒ 3 Asphalt and Timber ☐ 4 Concrete ☐ 5 Concrete and Rubber ☐ 6 Rubber ☐ 7 Metal
☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* _____

6. Intersecting Roadway within 500 feet?	7. Smallest Crossing Angle	8. Is Commercial Power Available? *
☐ Yes ☒ No If Yes, Approximate Distance *(feet)* _____	☐ 0° – 29° ☐ 30° – 59° ☒ 60° - 90°	☒ Yes ☐ No

Part V: Public Highway Information

1. Highway System	2. Functional Classification of Road at Crossing	3. Is Crossing on State Highway System?	4. Highway Speed Limit
☐ (01) Interstate Highway System ☐ (02) Other Nat Hwy System (NHS) ☐ (03) Federal AID, Not NHS ☒ (08) Non-Federal Aid	☐ (0) Rural ☒ (1) Urban ☐ (1) Interstate ☐ (5) Major Collector ☐ (2) Other Freeways and Expressways ☐ (3) Other Principal Arterial ☐ (6) Minor Collector ☐ (4) Minor Arterial ☒ (7) Local	☐ Yes ☒ No	30 MPH ☐ Posted ☒ Statutory

5. Linear Referencing System *(LRS Route ID)* *

6. LRS Milepost *

7. Annual Average Daily Traffic *(AADT)*	8. Estimated Percent Trucks	9. Regularly Used by School Buses?	10. Emergency Services Route
Year 2019 AADT 1154	_____ %	☐ Yes ☒ No Average Number per Day _____	☐ Yes ☐ No

Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by _____ Organization _____ Phone _____ Date _____

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY)	B. Reporting Agency	C. Reason for Update (Select only one)	D. DOT Crossing Inventory Number
09 / 17 / 2025	☒ Railroad ☐ Transit ☐ State ☐ Other	☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction	537307X

Part I: Location and Classification Information

1. Primary Operating Railroad	2. State	3. County
Massachusetts Bay Commuter Railroad [MBTA]	MASSACHUSETTS	BRISTOL

4. City / Municipality	5. Street/Road Name & Block Number	6. Highway Type & No.
☒ In ☐ Near BERKLEY	Padleford Street (Street/Road Name) | * (Block Number)	LS

7. Do Other Railroads Operate a Separate Track at Crossing?	8. Do Other Railroads Operate Over Your Track at Crossing?
☐ Yes ☒ No If Yes, Specify RR	☒ Yes ☐ No If Yes, Specify RR MCRL

9. Railroad Division or Region	10. Railroad Subdivision or District	11. Branch or Line Name	12. RR Milepost
☐ None Commuter Rail	☐ None South Side	☐ None New Bedford Main Line	NM | 0039.859 | (prefix) | (nnnn.nnn) | (suffix)

13. Line Segment *	14. Nearest RR Timetable Station *	15. Parent RR (if applicable)	16. Crossing Owner (if applicable)
V 715 map 17	Myricks Jct.	☒ N/A	☒ N/A

17. Crossing Type	18. Crossing Purpose	19. Crossing Position	20. Public Access (if Private Crossing)	21. Type of Train	22. Average Passenger Train Count Per Day
☒ Public ☐ Private	☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.	☒ At Grade ☐ RR Under ☐ RR Over	☐ Yes ☐ No	☒ Freight ☐ Intercity Passenger ☒ Commuter ☐ Transit ☐ Shared Use Transit ☐ Tourist/Other	☐ Less Than One Per Day ☒ Number Per Day 60

23. Type of Land Use
☐ Open Space ☐ Farm ☒ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?	25. Quiet Zone (FRA provided)
☐ Yes ☒ No If Yes, Provide Crossing Number	☒ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established

26. HSR Corridor ID	27. Latitude in decimal degrees	28. Longitude in decimal degrees	29. Lat/Long Source
☒ N/A	(WGS84 std: nn.nnnnnnn) 41.8378509	(WGS84 std: -nnn.nnnnnnn) -71.035608	☒ Actual ☐ Estimated

30.A. Railroad Use *	31.A. State Use *
30.B. Railroad Use *	31.B. State Use *
30.C. Railroad Use *	31.C. State Use *
30.D. Railroad Use *	31.D. State Use *
32.A. Narrative (Railroad Use) *	32.B. Narrative (State Use) *

33. Emergency Notification Telephone No. (posted)	34. Railroad Contact (Telephone No.)	35. State Contact (Telephone No.)
800-522-8236	617-222-8240	857-368-8839

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains (6 AM to 6 PM)	1.B. Total Night Thru Trains (6 PM to 6 AM)	1.C. Total Switching Trains	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day ☐ How many trains per week?
42	20	0	0	

2. Year of Train Count Data (YYYY)	3. Speed of Train at Crossing
2025	3.A. Maximum Timetable Speed (mph) 79 3.B. Typical Speed Range Over Crossing (mph) From 25 to 79

4. Type and Count of Tracks
Main 2 Siding 0 Yard 0 Transit 0 Industry 0

5. Train Detection (Main Track only)
☒ Constant Warning Time ☐ Motion Detection ☐AFO ☐ PTC ☐ DC ☐ Other ☐ None

6. Is Track Signaled?	7.A. Event Recorder	7.B. Remote Health Monitoring
☒ Yes ☐ No	☒ Yes ☐ No	☐ Yes ☒ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
09/17/2025		537307X

Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? ☒ Yes ☐ No

2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*	2.B. STOP Signs *(R1-1) (count)*	2.C. YIELD Signs *(R1-2) (count)*	2.D. Advance Warning Signs *(Check all that apply; include count)* ☐ None
3	0	0	☒ W10-1 2 ☐ W10-3 ☐ W10-11 ☐ W10-2 ☒ W10-4 1 ☒ W10-12 2

2.E. Low Ground Clearance Sign *(W10-5)*	2.F. Pavement Markings	2.G. Channelization Devices/Medians	2.H. EXEMPT Sign *(R15-3)*	2.I. ENS Sign *(I-13)* Displayed
☐ Yes *(count_____)* ☒ No	☒ Stop Lines ☒ Dynamic Envelope ☒ RR Xing Symbols ☐ None	☐ All Approaches ☐ Median ☐ One Approach ☒ None	☐ Yes ☒ No	☒ Yes ☐ No

2.J. Other MUTCD Signs ☒ Yes ☐ No

Specify Type R15-2P Count 2
Specify Type R8-10 Count 2
Specify Type R8-8 Count 2

2.K. Private Crossing Signs *(if private)* ☐ Yes ☐ No

2.L. LED Enhanced Signs *(List types)*

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*	3.B. Gate Configuration	3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*	3.D. Mast Mounted Flashing Lights *(count of masts)* 2	3.E. Total Count of Flashing Light Pairs
Roadway 2 Pedestrian 0	☒ 2 Quad ☐ 3 Quad ☐ 4 Quad ☐ Full *(Barrier)* Resistance ☐ Median Gates	Over Traffic Lane 1 ☐ Incandescent Not Over Traffic Lane 0 ☒ LED	☐ Incandescent ☒ LED ☒ Back Lights Included ☒ Side Lights Included	7

3.F. Installation Date of Current Active Warning Devices: *(MM/YYYY)*	3.G. Wayside Horn	3.H. Highway Traffic Signals Controlling Crossing	3.I. Bells *(count)*
_____/_____ ☒ Not Required	☐ Yes Installed on *(MM/YYYY)* _____/_____ ☒ No	☐ Yes ☒ No	2

3.J. Non-Train Active Warning
☐ Flagging/Flagman ☐Manually Operated Signals ☐ Watchman ☐ Floodlighting ☒ None

3.K. Other Flashing Lights or Warning Devices
Count 1 Specify type R3-1 no right turn arrow

4.A. Does nearby Hwy Intersection have Traffic Signals?	4.B. Hwy Traffic Signal Interconnection	4.C. Hwy Traffic Signal Preemption	5. Highway Traffic Pre-Signals	6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes ☒ No	☒ Not Interconnected ☐ For Traffic Signals ☐ For Warning Signs	☐ Simultaneous ☐ Advance	☐ Yes ☒ No Storage Distance * _____ Stop Line Distance * _____	☒ Yes - Photo/Video Recording ☐ Yes – Vehicle Presence Detection ☐ None

Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad	2. Is Roadway/Pathway Paved?	3. Does Track Run Down a Street?	4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)*
☐ One-way Traffic ☒ Two-way Traffic Number of Lanes 2 ☐ Divided Traffic	☒ Yes ☐ No	☐ Yes ☒ No	☐ Yes ☒ No

5. Crossing Surface *(on Main Track, multiple types allowed)* Installation Date * *(MM/YYYY)* _____/_____ Width * 40 Length * 45
☐ 1 Timber ☒ 2 Asphalt ☐ 3 Asphalt and Timber ☐ 4 Concrete ☒ 5 Concrete and Rubber ☐ 6 Rubber ☐ 7 Metal
☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* _____

6. Intersecting Roadway within 500 feet?	7. Smallest Crossing Angle	8. Is Commercial Power Available? *
☒ Yes ☐ No If Yes, Approximate Distance *(feet)* 50	☐ 0° – 29° ☐ 30° – 59° ☒ 60° - 90°	☒ Yes ☐ No

Part V: Public Highway Information

1. Highway System	2. Functional Classification of Road at Crossing	3. Is Crossing on State Highway System?	4. Highway Speed Limit
☐ (01) Interstate Highway System ☐ (02) Other Nat Hwy System (NHS) ☐ (03) Federal AID, Not NHS ☒ (08) Non-Federal Aid	☒ (0) Rural ☐ (1) Urban ☐ (1) Interstate ☒ (5) Major Collector ☐ (2) Other Freeways and Expressways ☐ (3) Other Principal Arterial ☐ (6) Minor Collector ☐ (4) Minor Arterial ☐ (7) Local	☐ Yes ☒ No	_____ MPH ☐ Posted ☐ Statutory

5. Linear Referencing System *(LRS Route ID)* *

6. LRS Milepost *

7. Annual Average Daily Traffic *(AADT)*	8. Estimated Percent Trucks	9. Regularly Used by School Buses?	10. Emergency Services Route
Year 2003 AADT 002280	08 %	☐ Yes ☒ No Average Number per Day _____	☐ Yes ☐ No

Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by _____ Organization _____ Phone _____ Date _____

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date *(MM/DD/YYYY)*: 09 / 17 / 2025

B. Reporting Agency: ☒ Railroad ☐ Transit ☐ State ☐ Other

C. Reason for Update *(Select only one)*: ☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction

D. DOT Crossing Inventory Number: 537308E

Part I: Location and Classification Information

1. Primary Operating Railroad: Massachusetts Bay Commuter Railroad [MBTA]

2. State: MASSACHUSETTS

3. County: BRISTOL

4. City / Municipality: ☒ In ☐ Near BERKLEY

5. Street/Road Name & Block Number: Myricks Street | _____ *(Street/Road Name)* | ** (Block Number)*

6. Highway Type & No.: SH-79

7. Do Other Railroads Operate a Separate Track at Crossing? ☐ Yes ☒ No
If Yes, Specify RR: _____, _____, _____, _____

8. Do Other Railroads Operate Over Your Track at Crossing? ☒ Yes ☐ No
If Yes, Specify RR: MCRL, _____, _____, _____

9. Railroad Division or Region: ☐ None Commuter Rail

10. Railroad Subdivision or District: ☐ None South Side

11. Branch or Line Name: ☐ None New Bedford Main Line

12. RR Milepost: NM | 0040.536 | _____ *(prefix)* | *(nnnn.nnn)* | *(suffix)*

13. Line Segment *: V 715 map 18

14. Nearest RR Timetable Station *: Myricks Jct.

15. Parent RR *(if applicable)*: ☒ N/A

16. Crossing Owner *(if applicable)*: ☒ N/A

17. Crossing Type: ☒ Public ☐ Private

18. Crossing Purpose: ☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.

19. Crossing Position: ☒ At Grade ☐ RR Under ☐ RR Over

20. Public Access *(if Private Crossing)*: ☐ Yes ☐ No

21. Type of Train: ☒ Freight ☐ Intercity Passenger ☒ Commuter ☐ Transit ☐ Shared Use Transit ☐ Tourist/Other

22. Average Passenger Train Count Per Day: ☐ Less Than One Per Day ☒ Number Per Day 60

23. Type of Land Use: ☐ Open Space ☐ Farm ☒ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?: ☐ Yes ☒ No If Yes, Provide Crossing Number _____

25. Quiet Zone *(FRA provided)*: ☒ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established _____

26. HSR Corridor ID: _____ ☒ N/A

27. Latitude in decimal degrees *(WGS84 std: nn.nnnnnnn)*: 41.8299567

28. Longitude in decimal degrees *(WGS84 std: -nnn.nnnnnnn)*: -71.0278734

29. Lat/Long Source: ☒ Actual ☐ Estimated

30.A. Railroad Use *:

31.A. State Use *:

30.B. Railroad Use *:

31.B. State Use *:

30.C. Railroad Use *:

31.C. State Use *:

30.D. Railroad Use *:

31.D. State Use *:

32.A. Narrative *(Railroad Use)* *****:

32.B. Narrative *(State Use)* *****:

33. Emergency Notification Telephone No. *(posted)*: 800-522-8236

34. Railroad Contact *(Telephone No.)*: 617-222-8240

35. State Contact *(Telephone No.)*: 857-368-8839

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains *(6 AM to 6 PM)*	1.B. Total Night Thru Trains *(6 PM to 6 AM)*	1.C. Total Switching Trains	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day ☐ How many trains per week?
42	20	0	0	

2. Year of Train Count Data *(YYYY)*: 2025

3. Speed of Train at Crossing
3.A. Maximum Timetable Speed *(mph)*: 79
3.B. Typical Speed Range Over Crossing *(mph)* From 25 to 79

4. Type and Count of Tracks
Main 4 Siding 0 Yard 0 Transit 0 Industry 0

5. Train Detection *(Main Track only)*
☒ Constant Warning Time ☐ Motion Detection ☐ AFO ☐ PTC ☐ DC ☐ Other ☐ None

6. Is Track Signaled? ☒ Yes ☐ No

7.A. Event Recorder ☒ Yes ☐ No

7.B. Remote Health Monitoring ☐ Yes ☒ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
09/17/2025		537308E

Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? ☒ Yes ☐ No

2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*	2.B. STOP Signs *(R1-1) (count)*	2.C. YIELD Signs *(R1-2) (count)*	2.D. Advance Warning Signs *(Check all that apply; include count)* ☐ None
2	0	0	☒ W10-1 4 ☐ W10-3 ☐ W10-11 ☐ W10-2 ☐ W10-4 ☐ W10-12

2.E. Low Ground Clearance Sign *(W10-5)*	2.F. Pavement Markings	2.G. Channelization Devices/Medians	2.H. EXEMPT Sign *(R15-3)*	2.I. ENS Sign *(I-13)* Displayed
☐ Yes *(count_____)* ☒ No	☒ Stop Lines ☒ Dynamic Envelope ☒ RR Xing Symbols ☐ None	☐ All Approaches ☐ Median ☐ One Approach ☒ None	☐ Yes ☒ No	☒ Yes ☐ No

2.J. Other MUTCD Signs ☒ Yes ☐ No

Specify Type R15-2P Count 2
Specify Type R8-10 Count 2
Specify Type R8-8 Count 2

2.K. Private Crossing Signs *(if private)* ☐ Yes ☐ No

2.L. LED Enhanced Signs *(List types)*

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*	3.B. Gate Configuration	3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*	3.D. Mast Mounted Flashing Lights *(count of masts)* 1	3.E. Total Count of Flashing Light Pairs
Roadway 2 Pedestrian 0	☒ 2 Quad ☐ 3 Quad ☐ 4 Quad ☐ Full *(Barrier)* Resistance ☐ Median Gates	Over Traffic Lane 1 ☐ Incandescent Not Over Traffic Lane 0 ☒ LED	☐ Incandescent ☒ LED ☒ Back Lights Included ☐ Side Lights Included	6

3.F. Installation Date of Current Active Warning Devices: *(MM/YYYY)*	3.G. Wayside Horn	3.H. Highway Traffic Signals Controlling Crossing	3.I. Bells *(count)*
_____/_____ ☒ Not Required	☐ Yes Installed on *(MM/YYYY)* _____/_____ ☒ No	☐ Yes ☒ No	2

3.J. Non-Train Active Warning
☐ Flagging/Flagman ☐Manually Operated Signals ☐ Watchman ☐ Floodlighting ☒ None

3.K. Other Flashing Lights or Warning Devices Count 0 Specify type _____

4.A. Does nearby Hwy Intersection have Traffic Signals?	4.B. Hwy Traffic Signal Interconnection	4.C. Hwy Traffic Signal Preemption	5. Highway Traffic Pre-Signals	6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes ☒ No	☒ Not Interconnected ☐ For Traffic Signals ☐ For Warning Signs	☐ Simultaneous ☐ Advance	☐ Yes ☒ No Storage Distance * _____ Stop Line Distance * _____	☒ Yes - Photo/Video Recording ☐ Yes – Vehicle Presence Detection ☐ None

Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad	2. Is Roadway/Pathway Paved?	3. Does Track Run Down a Street?	4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)*
☐ One-way Traffic ☒ Two-way Traffic Number of Lanes 2 ☐ Divided Traffic	☒ Yes ☐ No	☐ Yes ☒ No	☐ Yes ☒ No

5. Crossing Surface *(on Main Track, multiple types allowed)* Installation Date * *(MM/YYYY)* _____/_____ Width * 65 Length * 45
☐ 1 Timber ☒ 2 Asphalt ☐ 3 Asphalt and Timber ☐ 4 Concrete ☒ 5 Concrete and Rubber ☐ 6 Rubber ☐ 7 Metal
☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* _____

6. Intersecting Roadway within 500 feet?	7. Smallest Crossing Angle	8. Is Commercial Power Available? *
☒ Yes ☐ No If Yes, Approximate Distance *(feet)* 100	☐ 0° – 29° ☐ 30° – 59° ☒ 60° - 90°	☒ Yes ☐ No

Part V: Public Highway Information

1. Highway System	2. Functional Classification of Road at Crossing	3. Is Crossing on State Highway System?	4. Highway Speed Limit
☐ (01) Interstate Highway System ☐ (02) Other Nat Hwy System (NHS) ☒ (03) Federal AID, Not NHS ☐ (08) Non-Federal Aid	☒ (0) Rural ☐ (1) Urban ☐ (1) Interstate ☐ (5) Major Collector ☐ (2) Other Freeways and Expressways ☐ (3) Other Principal Arterial ☐ (6) Minor Collector ☒ (4) Minor Arterial ☐ (7) Local	☐ Yes ☒ No	_____ MPH ☐ Posted ☐ Statutory

5. Linear Referencing System *(LRS Route ID)* *

6. LRS Milepost *

7. Annual Average Daily Traffic *(AADT)*	8. Estimated Percent Trucks	9. Regularly Used by School Buses?	10. Emergency Services Route
Year 2003 AADT 003840	08 %	☐ Yes ☒ No Average Number per Day _____	☐ Yes ☐ No

Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by _____ Organization _____ Phone _____ Date _____

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date *(MM/DD/YYYY)*: 09 / 17 / 2025

B. Reporting Agency: ☒ Railroad ☐ Transit ☐ State ☐ Other

C. Reason for Update *(Select only one)*: ☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction

D. DOT Crossing Inventory Number: 537352S

Part I: Location and Classification Information

1. Primary Operating Railroad: Massachusetts Bay Commuter Railroad [MBTA]

2. State: MASSACHUSETTS

3. County: BRISTOL

4. City / Municipality: ☒ In ☐ Near BERKLEY

5. Street/Road Name & Block Number: Adams Lane | _____ *(Street/Road Name)* | *(Block Number)*

6. Highway Type & No.: Private

7. Do Other Railroads Operate a Separate Track at Crossing? ☐ Yes ☒ No
If Yes, Specify RR: _____, _____, _____, _____

8. Do Other Railroads Operate Over Your Track at Crossing? ☒ Yes ☐ No
If Yes, Specify RR: MCRL, _____, _____, _____

9. Railroad Division or Region: ☐ None Commuter Rail

10. Railroad Subdivision or District: ☐ None South Side

11. Branch or Line Name: ☐ None Fall River Secondary

12. RR Milepost: FS | 0000.838 | _____ *(prefix)* | *(nnnn.nnn)* | *(suffix)*

13. Line Segment *: V 536 map 31

14. Nearest RR Timetable Station *: Swamp

15. Parent RR *(if applicable)*: ☒ N/A

16. Crossing Owner *(if applicable)*: ☒ N/A

17. Crossing Type: ☐ Public ☒ Private

18. Crossing Purpose: ☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.

19. Crossing Position: ☒ At Grade ☐ RR Under ☐ RR Over

20. Public Access *(if Private Crossing)*: ☐ Yes ☒ No

21. Type of Train: ☒ Freight ☐ Intercity Passenger ☒ Commuter ☐ Transit ☐ Shared Use Transit ☐ Tourist/Other

22. Average Passenger Train Count Per Day: ☐ Less Than One Per Day ☒ Number Per Day 28

23. Type of Land Use: ☐ Open Space ☒ Farm ☐ Residential ☐ Commercial ☐ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?: ☐ Yes ☒ No If Yes, Provide Crossing Number _____

25. Quiet Zone *(FRA provided)*: ☒ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established _____

26. HSR Corridor ID: _____ ☒ N/A

27. Latitude in decimal degrees *(WGS84 std: nn.nnnnnnn)*: 41.8212524

28. Longitude in decimal degrees *(WGS84 std: -nnn.nnnnnnn)*: -71.031082

29. Lat/Long Source: ☒ Actual ☐ Estimated

30.A. Railroad Use *

31.A. State Use *

30.B. Railroad Use *

31.B. State Use *

30.C. Railroad Use *

31.C. State Use *

30.D. Railroad Use *

31.D. State Use *

32.A. Narrative *(Railroad Use)* *

32.B. Narrative *(State Use)* *

33. Emergency Notification Telephone No. *(posted)*: 800-522-8236

34. Railroad Contact *(Telephone No.)*: 617-222-8240

35. State Contact *(Telephone No.)*: 857-368-8839

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains *(6 AM to 6 PM)*	1.B. Total Night Thru Trains *(6 PM to 6 AM)*	1.C. Total Switching Trains	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day ☐ How many trains per week?
19	11	0	0	

2. Year of Train Count Data *(YYYY)*: 2025

3. Speed of Train at Crossing
3.A. Maximum Timetable Speed *(mph)*: 45
3.B. Typical Speed Range Over Crossing *(mph)* From 25 to 45

4. Type and Count of Tracks
Main 1 Siding 0 Yard 0 Transit 0 Industry 0

5. Train Detection *(Main Track only)*
☒ Constant Warning Time ☐ Motion Detection ☐ AFO ☐ PTC ☐ DC ☐ Other ☐ None

6. Is Track Signaled? ☒ Yes ☐ No

7.A. Event Recorder ☒ Yes ☐ No

7.B. Remote Health Monitoring ☐ Yes ☒ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
09/17/2025		537352S

Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? ☒ Yes ☐ No

2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*	2.B. STOP Signs *(R1-1) (count)*	2.C. YIELD Signs *(R1-2) (count)*	2.D. Advance Warning Signs *(Check all that apply; include count)* ☒ None
2	0	0	☐ W10-1 ____ ☐ W10-3 ____ ☐ W10-11 ____ ☐ W10-2 ____ ☐ W10-4 ____ ☐ W10-12 ____

2.E. Low Ground Clearance Sign *(W10-5)*	2.F. Pavement Markings	2.G. Channelization Devices/Medians	2.H. EXEMPT Sign *(R15-3)*	2.I. ENS Sign *(I-13)* Displayed
☐ Yes *(count_____)* ☒ No	☒ Stop Lines ☒ Dynamic Envelope ☒ RR Xing Symbols ☐ None	☐ All Approaches ☐ Median ☐ One Approach ☒ None	☐ Yes ☒ No	☒ Yes ☐ No

2.J. Other MUTCD Signs ☒ Yes ☐ No

Specify Type R8-10 Count 2
Specify Type R8-8 Count 2
Specify Type _____ Count _____

2.K. Private Crossing Signs *(if private)* ☐ Yes ☒ No

2.L. LED Enhanced Signs *(List types)*

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*	3.B. Gate Configuration	3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*	3.D. Mast Mounted Flashing Lights *(count of masts)* 2	3.E. Total Count of Flashing Light Pairs
Roadway 2 Pedestrian 0	☒ 2 Quad ☐ 3 Quad ☐ 4 Quad ☐ Full *(Barrier)* Resistance ☐ Median Gates	Over Traffic Lane 0 ☐ Incandescent Not Over Traffic Lane 0 ☐ LED	☐ Incandescent ☒ LED ☒ Back Lights Included ☐ Side Lights Included	4

3.F. Installation Date of Current Active Warning Devices: *(MM/YYYY)*	3.G. Wayside Horn	3.H. Highway Traffic Signals Controlling Crossing	3.I. Bells *(count)*
_____/_____ ☒ Not Required	☐ Yes Installed on *(MM/YYYY)* _____/_____ ☒ No	☐ Yes ☒ No	2

3.J. Non-Train Active Warning
☐ Flagging/Flagman ☐Manually Operated Signals ☐ Watchman ☐ Floodlighting ☒ None

3.K. Other Flashing Lights or Warning Devices
Count 0 Specify type _____

4.A. Does nearby Hwy Intersection have Traffic Signals?	4.B. Hwy Traffic Signal Interconnection	4.C. Hwy Traffic Signal Preemption	5. Highway Traffic Pre-Signals	6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes ☒ No	☒ Not Interconnected ☐ For Traffic Signals ☐ For Warning Signs	☐ Simultaneous ☐ Advance	☐ Yes ☒ No Storage Distance * _____ Stop Line Distance * _____	☒ Yes - Photo/Video Recording ☐ Yes – Vehicle Presence Detection ☐ None

Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad	2. Is Roadway/Pathway Paved?	3. Does Track Run Down a Street?	4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)*
☐ One-way Traffic ☒ Two-way Traffic ☐ Divided Traffic Number of Lanes 1	☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No

5. Crossing Surface *(on Main Track, multiple types allowed)* Installation Date * *(MM/YYYY)* _____/_____ Width * 20 Length * 20
☐ 1 Timber ☐ 2 Asphalt ☒ 3 Asphalt and Timber ☐ 4 Concrete ☐ 5 Concrete and Rubber ☐ 6 Rubber ☐ 7 Metal
☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* _____

6. Intersecting Roadway within 500 feet?	7. Smallest Crossing Angle	8. Is Commercial Power Available? *
☒ Yes ☐ No If Yes, Approximate Distance *(feet)* 450	☐ 0° – 29° ☐ 30° – 59° ☒ 60° - 90°	☒ Yes ☐ No

Part V: Public Highway Information

1. Highway System	2. Functional Classification of Road at Crossing	3. Is Crossing on State Highway System?	4. Highway Speed Limit
☐ (01) Interstate Highway System ☐ (02) Other Nat Hwy System (NHS) ☐ (03) Federal AID, Not NHS ☐ (08) Non-Federal Aid	☐ (0) Rural ☐ (1) Urban ☐ (1) Interstate ☐ (5) Major Collector ☐ (2) Other Freeways and Expressways ☐ (3) Other Principal Arterial ☐ (6) Minor Collector ☐ (4) Minor Arterial ☐ (7) Local	☐ Yes ☐ No	_____ MPH ☐ Posted ☐ Statutory

5. Linear Referencing System *(LRS Route ID)* *

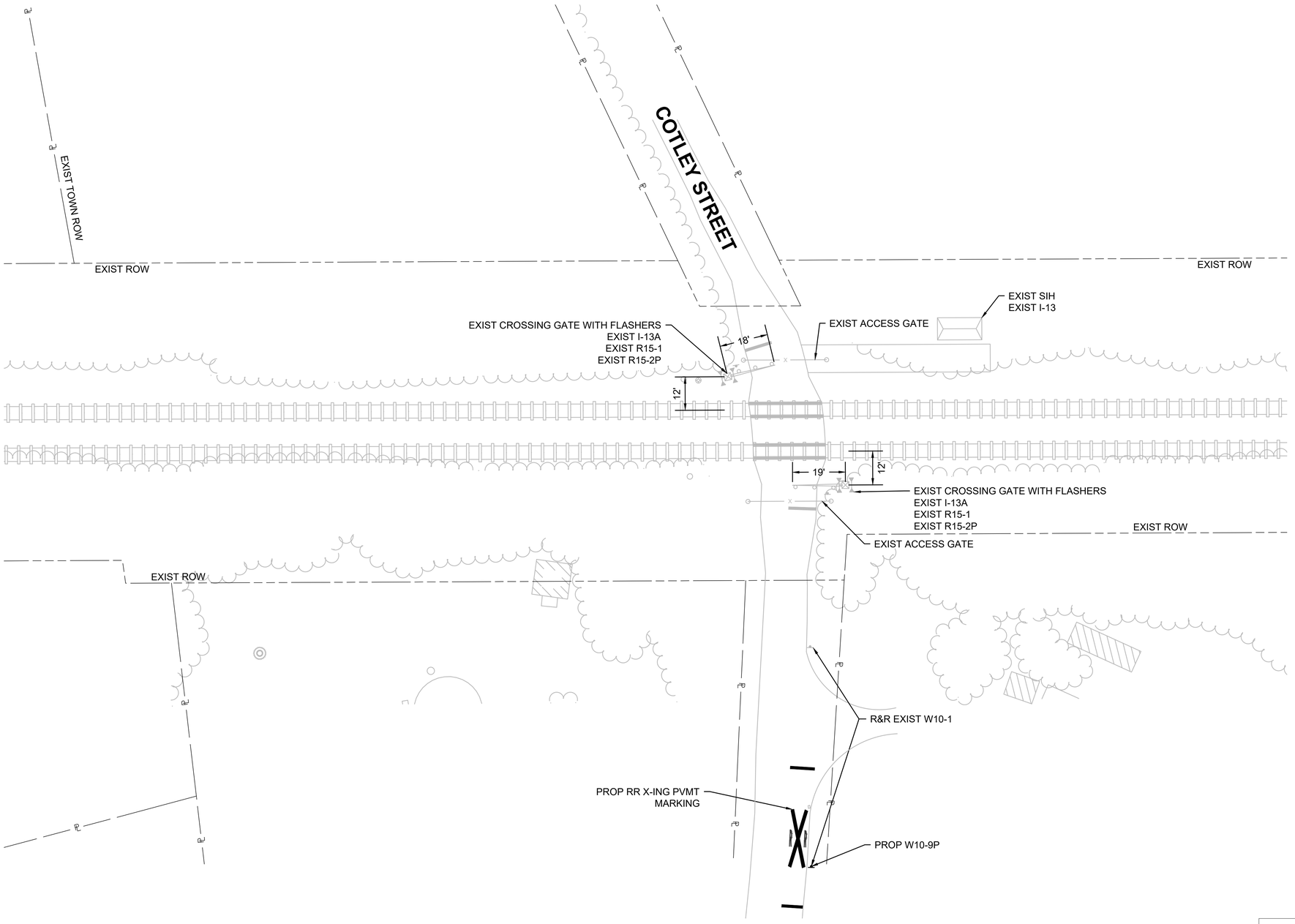
6. LRS Milepost *

7. Annual Average Daily Traffic *(AADT)*	8. Estimated Percent Trucks	9. Regularly Used by School Buses?	10. Emergency Services Route
Year 1986 AADT _____	_____ %	☐ Yes ☒ No Average Number per Day _____	☐ Yes ☐ No

Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by _____ Organization _____ Phone _____ Date _____

Appendix B: H-Plans



COTLEY STREET
DOT # 537 306 R
MILEPOST NM38.358

LEGEND:

- GATE WITH FLASHERS
- SIGN & POST
- 12" LED FLASHER UNIT
- SIGNAL HOUSE
- CANTILEVER

0 20 50 100

SCALE: 1" = 20'

SIGN SUMMARY			
MUTCD SIGN NO.	REQUIRED SIGNS	SIZE	QTY
I-13	REPORT EMERGENCY OR PROBLEM TO 1-800-XXX-XXXX CROSSING XXX XXXX	2.5' x 1.5'	1
I-13A	REPORT EMERGENCY OR PROBLEM TO 1-800-XXX-XXXX CROSSING XXX XXXX	1' x 0.75'	2
W10-1	R R	2.5' x 1.5'	1
W10-9P	NO TRAIN HORN	2.5' x 2'	1
R15-1	RAIL ROAD CROSSING	2.5' x 1.5'	2
R15-2P	2 TRACKS	2.25' x 1.5'	2

NOTES:
1. COTLEY STREET DOES NOT QUALIFY FOR A QUIET ZONE.

DRAFT

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
SOUTH COAST RAIL
GRADE CROSSING SERVICES
CONTRACT NO. RROPS34

NEW BEDFORD MAIN LINE
COTLEY STREET
H-PLAN

ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.

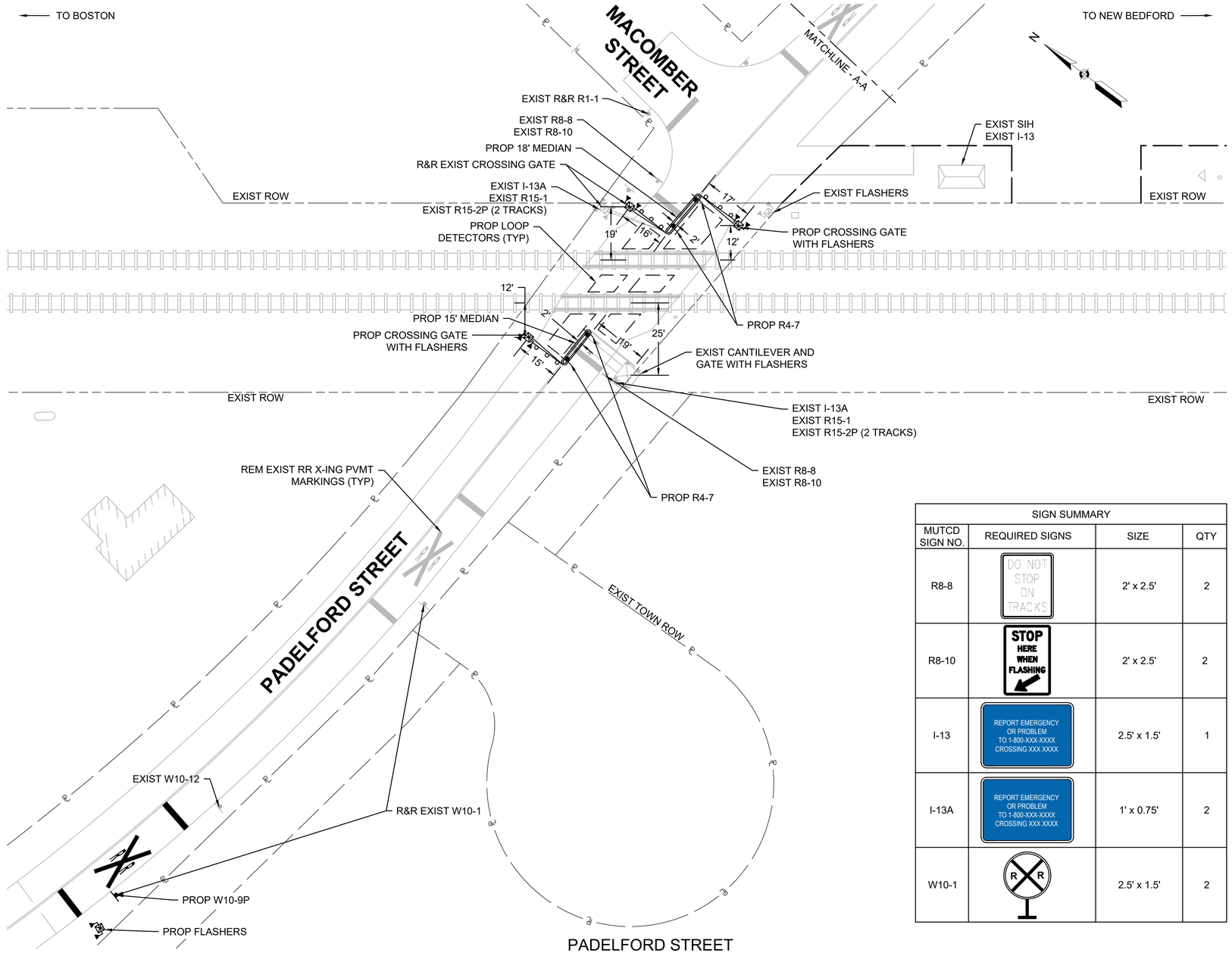
vhb
99 HIGH STREET
BOSTON, MA 02110
(617) 728-7777

PROJECT MANAGER Date

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
APPROVED BY:

PROJECT MANAGER Date

HORIZ: AS NOTED	DES. BY	DR. BY	CHK. BY	PLAN NO.	ISSUE
VERT: AS NOTED	CS	IS	TR		
DATE: 09/22/2025				SHEET 1 OF 4	



PADELFORD STREET
DOT # 537 307 X
MILEPOST NM0039.859

LEGEND:

- GATE WITH FLASHERS
- SIGN & POST
- 12" LED FLASHER UNIT
- SIGNAL HOUSE
- CANTILEVER

0 20 50 100

SCALE: 1" = 20'

SIGN SUMMARY			
MUTCD SIGN NO.	REQUIRED SIGNS	SIZE	QTY
R8-8	DO NOT STOP ON TRACKS	2' x 2.5'	2
R8-10	STOP HERE WHEN FLASHING	2' x 2.5'	2
I-13	REPORT EMERGENCY OR PROBLEM TO 1-800-XXX-XXXX CROSSING XXX XXXX	2.5' x 1.5'	1
I-13A	REPORT EMERGENCY OR PROBLEM TO 1-800-XXX-XXXX CROSSING XXX XXXX	1' x 0.75'	2
W10-1	R R	2.5' x 1.5'	2

SIGN SUMMARY			
MUTCD SIGN NO.	REQUIRED SIGNS	SIZE	QTY
W10-9P	NO TRAIN HORN	2.5' x 2'	2
R15-1	RAIL ROAD CROSSING	2.5' x 1.5'	2
R15-2P	2 TRACKS	2.25' x 1.5'	2
W10-12		2.5' x 2.5'	2
R4-7		2' x 2.5'	4

DRAFT

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY

SOUTH COAST RAIL
GRADE CROSSING SERVICES
CONTRACT NO. RROPS34

NEW BEDFORD MAIN LINE
PADELFORD STREET
H-PLAN

ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.

vhb
99 HIGH STREET
BOSTON, MA 02110
(617) 728-7777

PROJECT MANAGER Date

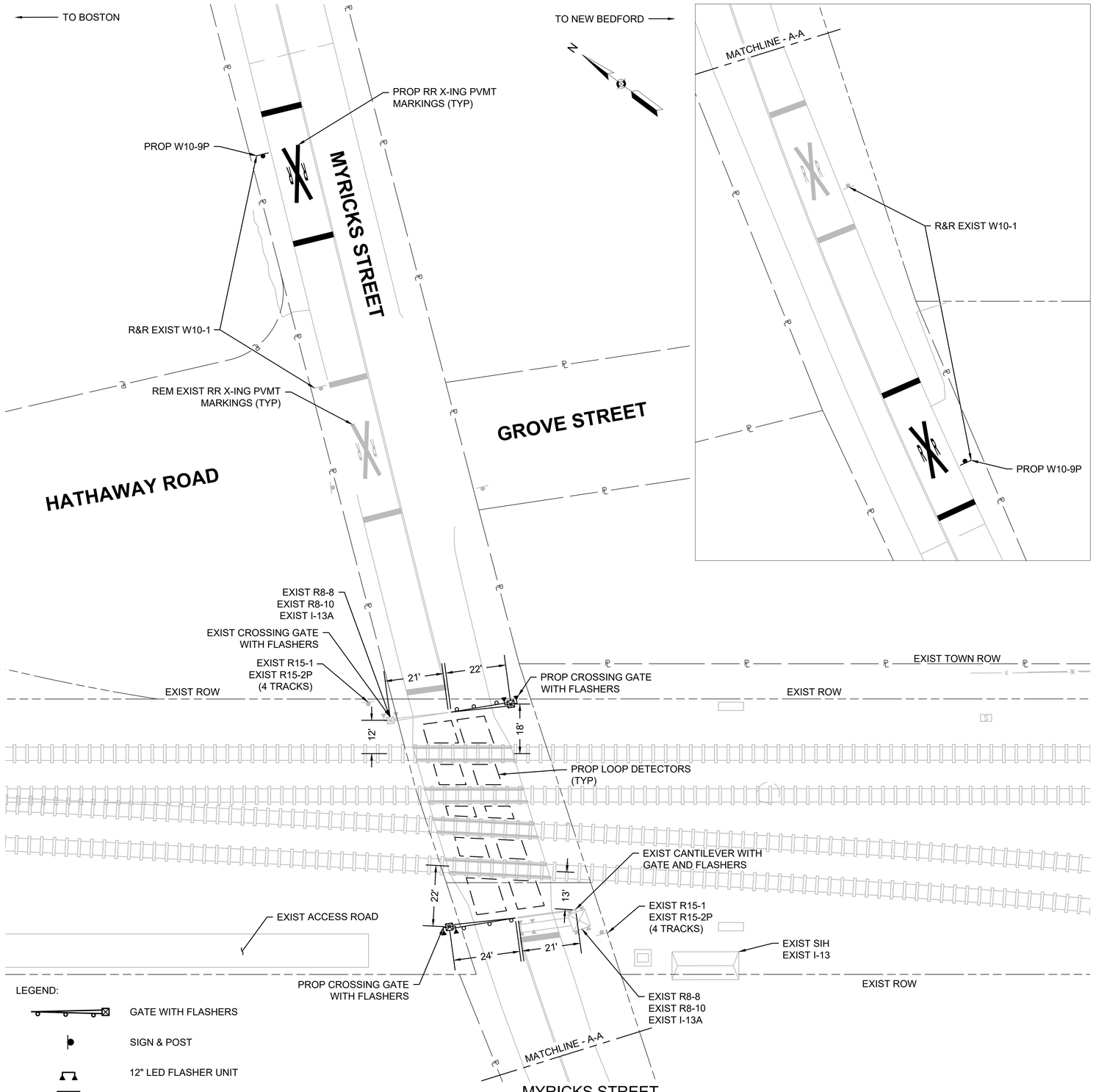
MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
APPROVED BY:
PROJECT MANAGER Date

	DES. BY	DR. BY	CHK. BY
HORIZ: AS NOTED	CS	IS	TR
VERT: AS NOTED			
DATE: 09/22/2025			

PLAN NO.

SHEET 2 OF 4

ISSUE



SIGN SUMMARY			
MUTCD SIGN NO.	REQUIRED SIGNS	SIZE	QTY
R8-8	DO NOT STOP ON TRACKS	2' x 2.5'	2
R8-10	STOP HERE WHEN FLASHING	2' x 2.5'	2
I-13	REPORT EMERGENCY OR PROBLEM TO 1-800-XXX-XXXX CROSSING XXX XXXX	2.5' x 1.5'	1
I-13A	REPORT EMERGENCY OR PROBLEM TO 1-800-XXX-XXXX CROSSING XXX XXXX	1' x 0.75'	2
W10-1	R R	2.5' x 1.5'	2
W10-9P	NO TRAIN HORN	2.5' x 2'	2
R15-1	RAIL CROSSING ROAD	2.5' x 1.5'	2
R15-2P	4 TRACKS	2.25' x 1.5'	2

DRAFT

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
SOUTH COAST RAIL
GRADE CROSSING SERVICES
CONTRACT NO. RROPS34

NEW BEDFORD MAIN LINE
MYRICKS STREET
H-PLAN

ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.

vhb
99 HIGH STREET
BOSTON, MA 02110
(617) 728-7777

PROJECT MANAGER Date

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
APPROVED BY:

PROJECT MANAGER Date

HORIZ: AS NOTED	DES. BY	DR. BY	CHK. BY
VERT: AS NOTED	CS	IS	TR
DATE: 09/22/2025			

PLAN NO.

SHEET 3 OF 4

ISSUE

Plotted on October 28, 2025 12:41 PM
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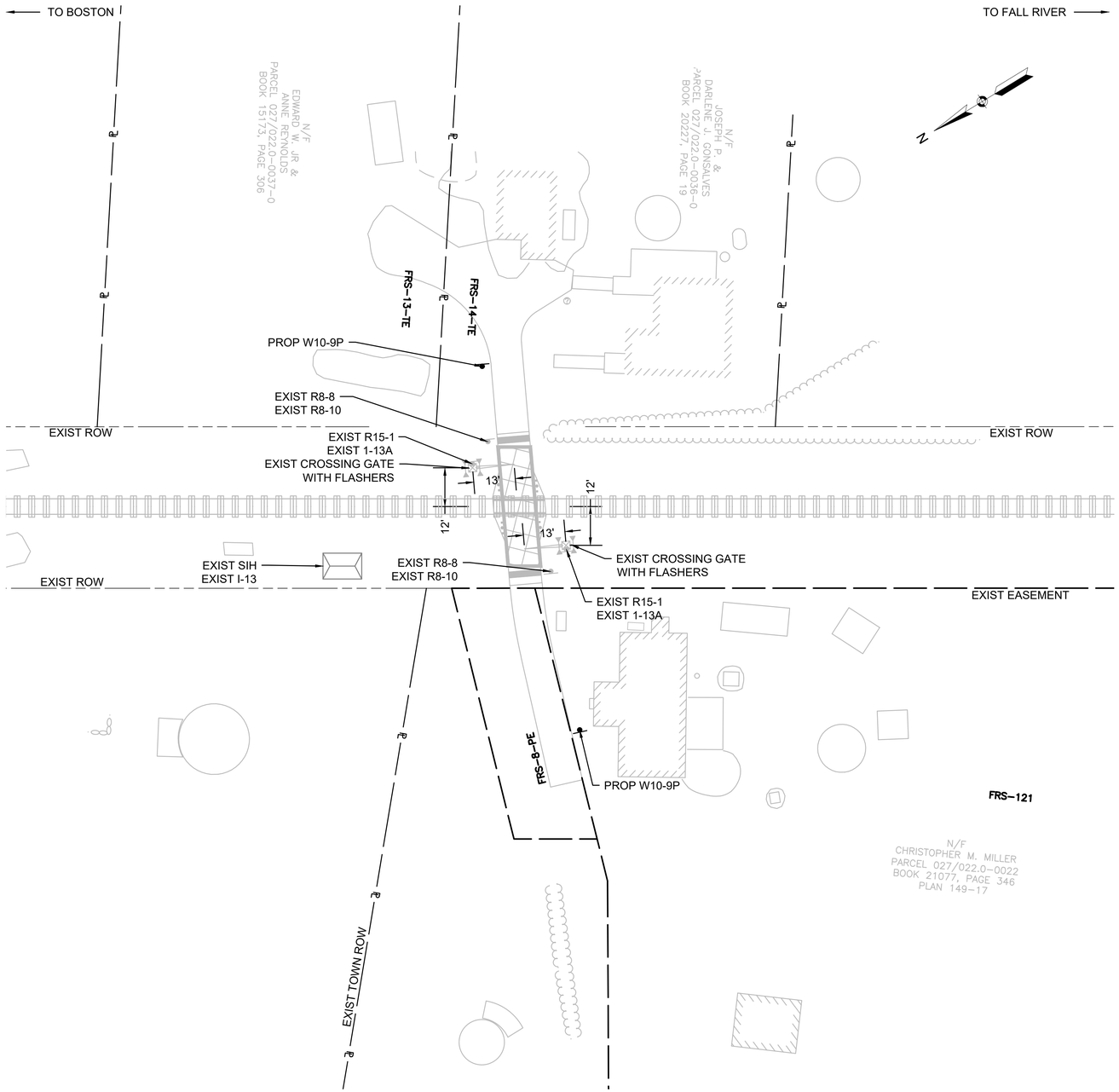

SIGN SUMMARY			
MUTCD SIGN NO.	REQUIRED SIGNS	SIZE	QTY
R8-8	DO NOT STOP ON TRACKS	2' x 2.5'	2
R8-10	STOP HERE WHEN FLASHING	2' x 2.5'	2
I-13	REPORT EMERGENCY OR PROBLEM TO 1-800-XXX-XXXX CROSSING XXX XXXX	2.5' x 1.5'	1
I-13A	REPORT EMERGENCY OR PROBLEM TO 1-800-XXX-XXXX CROSSING XXX XXXX	1' x 0.75'	2
W10-9P	NO TRAIN HORN	2.5' x 2'	2
R15-1	RAIL ROAD CROSSING	2.5' x 1.5'	2

NOTES:
1. ADAM'S LANE DOES NOT QUALIFY FOR A QUIET ZONE.

LEGEND:
- GATE WITH FLASHERS
- SIGN & POST
- 12" LED FLASHER UNIT
- SIGNAL HOUSE
- CANTILEVER

0 20 50 100
SCALE: 1" = 20'

DRAFT

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
SOUTH COAST RAIL
GRADE CROSSING SERVICES
CONTRACT NO. RROPS34

FALL RIVER SECONDARY
ADAMS LANE
H-PLAN

ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.

vhb
99 HIGH STREET
BOSTON, MA 02110
(617) 728-7777

PROJECT MANAGER Date

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
APPROVED BY:
PROJECT MANAGER Date

HORIZ: AS NOTED	DES. BY	DR. BY	CHK. BY
VERT: AS NOTED	JP	CS	TR
DATE: 09/22/2025			

PLAN NO.
SHEET 4 OF 4
ISSUE

Appendix C: Quiet Zone Calculator Backup

Cancel Change Scenario: BERKLEY/LA_73535 **Continue**

Create New Zone

Manage Existing Zones

Log Off

Crossing	Street	Traffic	Warning Device	Pre-SSM	SSM	Risk	
537307X	**Padleford Street**	**2280**	**Gates**	0	6	18,144.59	MODIFY
537308E	**Myricks Street**	**3840**	**Gates**	0	6	28,581.02	MODIFY
537309L	**Malbone Street**	**1300**	**Gates**	0	13	8,285.40	MODIFY

* Only Public At Grade Crossings are listed.

ALERT: Quiet Zone qualifies because SSM has been applied in each crossing.

Click for Supplementary Safety Measures [SSM]

Click for ASM spreadsheet: **ASM** * Note:The use of ASMs requires an application to and approval from the FRA.

Summary	
Proposed Quiet Zone:	BERKLEY/LAKEVILLE (NBML)
Type:	New 24-hour QZ
Scenario:	BERKLEY/LA_73535
Estimated Total Cost:	$271,000.00
Nationwide Significant Risk Threshold:	15488 .00
Risk Index with Horns:	48877.27
Quiet Zone Risk Index:	**18337.01**

Select

Step by Step Instructions:

Step 1: To specify New Warning Device (For Pre-Rule Quiet Zone Only) and/or SSM, click the MODIFY Button

Step 2: Select proposed warning device or SSM. Then click the UPDATE button.To generate a spreadsheet of the values on this page, click on ASM button—This spreadsheet can then be used for ASM calculations.

Step 3: Repeat Step (2) until the SELECT button is shown at the bottom right side of this page. Note that the SELECT button is shown ONLY when the Quiet Zone Risk Index falls below the NSRT or the Risk Index with Horn.

Step 4: To save the scenario and continue, click the SELECT button

Appendix D: Detailed Cost Estimates

Reference No.: **07**

Grade Crossing: **Cotley Street**

FRA Inventory No.: **537306R**

City/Town: **Berkley**

Railroad Line: **New Bedford Main Line**

Original Type: **1**

Final Type: **6**

20250925_H-Plans_Berkley

NOTES: (a) Low trafficked road in rural context.

Description	Qty	UM	Unit Rate	Total
Apply Stop Line Marking	17	lf	$ 8.00	$ 136.00
Apply RR X-ing Marking	1	ea	$1,318.20	$ 1,318.20
Signage, 2' x 2.5', Inst on R&R Pole	1	ea	$ 40.00	$ 40.00
Traffic Management (Drums, Cones)	1	dy	$ 35.00	$ 35.00
Traffic Officers (One Officer) Nights	1	dy	$1,000.00	$ 1,000.00
Subtotal				$ 2,529.20
Small Tools & Consumables			5%	$ 126.46
Owner's Field Office, Equipment & Supplies[2]	1	Ls	$ -	$ -
Mobilization & Demobilization	1	LS	$2,000.00	$ 2,000.00
Subtotal				$ 4,655.66
Construction Contingency			50%	$ 2,327.83
Subtotal				$ 6,983.49
MBTA Soft Cost of 22%			22%	$ 1,536.37
Professional Services (10%D, 4%C)			14%	$ 977.69
Subtotal				$ 9,497.55
External Force Account[1] Contingency	1	Ls	$ -	$ -
Subtotal				$ 9,497.55
Escalation			16.41%	$ 1,558.61
Grand Total				**$11,056.16**

[1] Keolis Engineering, Testing, Commissioning & Start Up

[2] Due to the limited scope of work at this location, a field office is not required.

Reference No.:	**08**	20250925_H-Plans_Berkley
Grade Crossing:	**Padelford Street**	NOTES: (a) Double Track w/ precast concrete panels & rail
FRA Inventory No.:	**537307X**	seal. (b) No visible obstructions or hindrances. (c) OH line
City/Town:	**Berkley**	running parallel to roadway. (d) Medium trafficked road in rural
Railroad Line:	**New Bedford Main Line**	context. (e) Furthest prop gate is 165 feet from SIH.
Original Type:	**4**	
Final Type:	**4**	

Description	Qty	UM	Unit Price	Total
Relo Ex X-ing Gate	1	ea	$ 32,148.61	$ 32,148.61
Prop Flashers with Pole	1	ea	$ 9,111.40	$ 9,111.40
Prop X-ing Gate, 17 ft arm	1	ea	$ 50,618.88	$ 50,618.88
Prop X-ing Gate, 15 ft arm	1	ea	$ 50,618.88	$ 50,618.88
Prop Concrete Medians	7	sy	$ 120.00	$ 840.00
Prop Concrete Medians Granite Curb	66	lf	$ 100.00	$ 6,600.00
R&R Flexible Delineator Post	4	ea	$ 200.00	$ 800.00
Sawcut for loop wires	380	lf	$ 8.00	$ 3,040.00
Pull Loop wires through Conduit, 4C#18 wire	1089	lf	$ 27.98	$ 30,470.44
Install Loop Wire in Sawcut	380	lf	$ 35.70	$ 13,566.44
Loop wire conduit, 2" FRE	283	lf	$ 32.54	$ 9,207.89
Loop wire conduit, 4" FRE	97	lf	$ 35.74	$ 3,466.71
Loop Detector HHs	3	ea	$ 3,000.00	$ 9,000.00
Sawcut for gate conduit	146	lf	$ 4.00	$ 584.00
Gate wires, 7C#6-10C combo cable	445	lf	$ 48.77	$ 21,704.03
Gate wire conduit, 4" FRE	333	lf	$ 35.74	$ 11,901.18
Trenching & Backfill for Conduit (EA)	911	lf	$ 24.88	$ 22,662.20
Trench Patch in Roadway	4	tn	$350	$ 1,400.00
Gate crossing HHs	3	ea	$ 3,000.00	$ 9,000.00
Sawcut for Flasher Conduit	100	lf	$ 4.00	$ 400.00
Flasher Wires, 7C#6-10C combo cable	320	lf	$ 48.77	$ 15,607.39
Flasher Wire conduit, 4" FRE	320	lf	$ 35.74	$ 11,436.57
Flasher HHs	2	ea	$ 3,000.00	$ 6,000.00
Sawcut for Median	138	lf	$ 5.50	$ 759.00
Steel Sleeve Casing, 6" dia.	39	lf	$ 116.72	$ 4,552.20
Steel Sleeve Casing, 12" dia.	39	lf	$ 148.44	$ 5,789.28
XP4 Complete Assembly	1	ls	$ 95,000.00	$ 95,000.00
Track Bed Restoration	86	lf	$ 223.98	$ 19,262.54
Floor Hole in SIH, 6" dia	4	ea	$ 61.11	$ 244.43
Mill and Overlay	255	sy	$ 69.60	$ 17,748.00
Bit Conc Shoulder w/ Concrete Subase	66	sf	$ 24.05	$ 1,587.36
Rmv Stop Line Marking	48	lf	$ 4.00	$ 192.00
Rmv RR X-ing Marking	2	ea	$ 260.00	$ 520.00
Apply Dynamic Env Pvmt Markings	255	sy	$ 2.22	$ 566.67
Apply Stop Line Marking	72	lf	$ 8.00	$ 576.00
Apply RR X-ing Marking	2	ea	$ 1,318.20	$ 2,636.40
R&R Pole w/ Sign	2	ea	$ 487.00	$ 974.00
Signage, 2' x 2.5', Inst on R&R Pole	2	ea	$ 40.00	$ 80.00
Traffic Management (Drums, Cones)	21	dy	$ 35.00	$ 735.00
Traffic Management (Advanced Signage)	1	ls	$ 1,600.00	$ 1,600.00
Traffic Officers (One Officer) Nights	12	dy	$ 1,000.00	$ 12,000.00
Traffic Officers (Two Officers) Days	9	dy	$ 1,500.00	$ 13,500.00
Subtotal				$ 498,507.49
Small Tools & Consumables			5%	$ 24,925.37
Owner's Field Office, Equipment & Supplies	1	Ls	$ 12,891.62	$ 12,891.62
Mobilization & Demobilization			5%	$ 24,925.37
Subtotal				$ 561,249.86
Construction Contingency			50%	$ 280,624.93
Subtotal				$ 841,874.79
MBTA Soft Cost of 22%			22%	$ 185,212.45
Professional Services (10%D, 4%C)			14%	$ 117,862.47
Subtotal				$ 1,144,949.71
External Force Account[1] Contingency	1	Ls	$ 375,000.00	$ 375,000.00
Subtotal				$ 1,519,949.71
Escalation			16.41%	$ 249,434.00
Grand Total				**$1,770,000.00**

[1] Keolis Engineering, Testing, Commissioning & Start Up

Reference No.:	**09**
Grade Crossing:	**Myricks Street (Rte 79)**
FRA Inventory No.:	**537308E**
City/Town:	**Berkley**
Railroad Line:	**New Bedford Main Line**
Original Type:	**1**
Final Type:	**1**

20250925_H-Plans_Berkley

NOTES: (a) Four tracks w/ 10 loops, precast concrete panels & rail seal. (b) Utility & bracing pole in conflict of proposed X-ing Gate. (c) OH line running parallel to roadway. (d) Medium trafficked road in rural context. (e) Furthest prop gate is 120 feet from SIH.

Description	Qty	UM	Unit Price	Total
Prop X-ing Gate, 24 ft arm	1	ea	$ 50,618.88	$ 50,618.88
Prop X-ing Gate, 22 ft arm	1	ea	$ 50,618.88	$ 50,618.88
R&R Flexible Delineator Post	8	ea	$ 200.00	$ 1,600.00
Sawcut for loop wires	426	lf	$ 8.00	$ 3,408.00
Pull Loop wires through Conduit, 4C#18 wire	960	lf	$ 27.98	$ 26,860.99
Install Loop Wire in Sawcut	426	lf	$ 35.70	$ 15,208.69
Loop wire conduit, 2" FRE	152	lf	$ 32.54	$ 4,945.58
Loop wire conduit, 4" FRE	134	lf	$ 35.74	$ 4,789.06
Loop Detector HHs	5	ea	$ 3,000.00	$ 15,000.00
Sawcut for gate conduit	70	lf	$ 4.00	$ 280.00
Gate wires, 7C#6-10C combo cable	245	lf	$ 48.77	$ 11,949.41
Gate wire conduit, 4" FRE	245	lf	$ 35.74	$ 8,756.12
Trenching & Backfill for Conduit (EA)	428	lf	$ 24.88	$ 10,647.01
Trench Patch in Roadway	2	tn	$350	$ 700.00
Gate crossing HHs	2	ea	$ 3,000.00	$ 6,000.00
Steel Sleeve Casing, 6" dia.	125	lf	$ 116.72	$ 14,590.39
XP4 Complete Assembly	1	ls	$ 95,000.00	$ 95,000.00
Track Bed Restoration	113	lf	$ 223.98	$ 25,310.09
Floor Hole in SIH, 6" dia	3	ea	$ 61.11	$ 183.32
Mill and Overlay	279	sy	$ 69.60	$ 19,418.40
Rmv Stop Line Marking	48	lf	$ 4.00	$ 192.00
Rmv RR X-ing Marking	2	ea	$ 260.00	$ 520.00
Apply Dynamic Env Pvmt Markings	279	sy	$ 2.22	$ 620.00
Apply Stop Line Marking	48	lf	$ 8.00	$ 384.00
Apply RR X-ing Marking	2	ea	$ 1,318.20	$ 2,636.40
R&R Pole w/ Sign	2	ea	$ 487.00	$ 974.00
Signage, 2' x 2.5', Inst on R&R Pole	2	ea	$ 40.00	$ 80.00
Traffic Management (Drums, Cones)	26	dy	$ 35.00	$ 910.00
Traffic Management (Advanced Signage)	1	ls	$ 1,600.00	$ 1,600.00
Traffic Officers (One Officer) Nights	20	dy	$ 1,000.00	$ 20,000.00
Traffic Officers (Two Officers) Days	6	dy	$ 1,500.00	$ 9,000.00
Subtotal				$ 402,801.22
Small Tools & Consumables			5%	$ 20,140.06
Owner's Field Office, Equipment & Supplies	1	Ls	$ 11,607.06	$ 11,607.06
Mobilization & Demobilization			5%	$ 20,140.06
Subtotal				$ 454,688.40
Construction Contingency			50%	$ 227,344.20
Subtotal				$ 682,032.60
MBTA Soft Cost of 22%			22%	$ 150,047.17
Professional Services (10%D, 4%C)			14%	$ 95,484.56
Subtotal				$ 927,564.33
External Force Account[1] Contingency	1	Ls	$ 375,000.00	$ 375,000.00
Subtotal				$ 1,302,564.33
Escalation			16.41%	$ 213,759.59
Grand Total				**$ 1,516,323.92**

[1] Keolis Engineering, Testing, Commissioning & Start Up

Reference No.: **18**
Grade Crossing: **Adams Lane**
FRA Inventory No.: **537352S**
City/Town: **Berkley**
Railroad Line: **Fall River Secondary**
Original Type: **1**
Final Type: **6**

20250925_H-Plans_Berkley

NOTES: (a) Low trafficked road in rural context. (b) Work not on MBTA ROW.

Description	Qty	UM	Unit Price	Total
Sign Posts	2	ea	$ 130.00	$ 260.00
Signs	10	sf	$ 40.00	$ 400.00
Subtotal				$ 660.00
Small Tools & Consumables			5%	$ 33.00
Owner's Field Office, Equipment & Supplies[2]	1	Ls	$ -	$ -
Mobilization & Demobilization	1	Ls	$2,000.00	$ 2,000.00
Subtotal				$ 2,693.00
Construction Contingency			50%	$ 1,346.50
Subtotal				$ 4,039.50
MBTA Soft Cost of 22%			22%	$ 888.69
Professional Services (10%D, 4%C)			14%	$ 565.53
Subtotal				$ 5,493.72
External Force Account[1] Contingency	1	Ls	$ -	$ -
Subtotal				$ 5,493.72
Escalation			16.41%	$ 901.56
Grand Total				**$ 6,395.28**

[1] Keolis Engineering, Testing, Commissioning & Start Up

[2] Due to the limited scope of work at this location, a field office is not required.