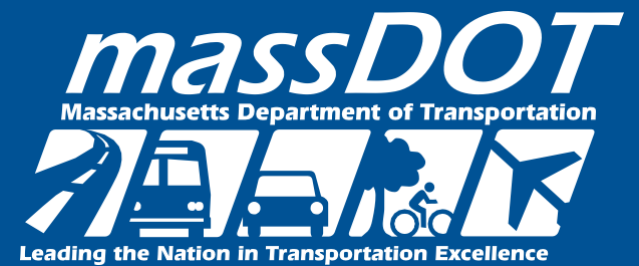


# Rail and Transit Report

## Administrator Meredith Slesinger

*March 20, 2024*



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# Regional Transit Authority (RTA) Updates

## RTA Council Meeting and Program Previews

### RTA Council Meeting

- Hybrid meeting held March 13, 2024 @ MassDOT
- FTA initiatives for transit worker safety
- New RTA service initiatives
- CDL licensing issues
- Challenges with attracting/retaining workforce

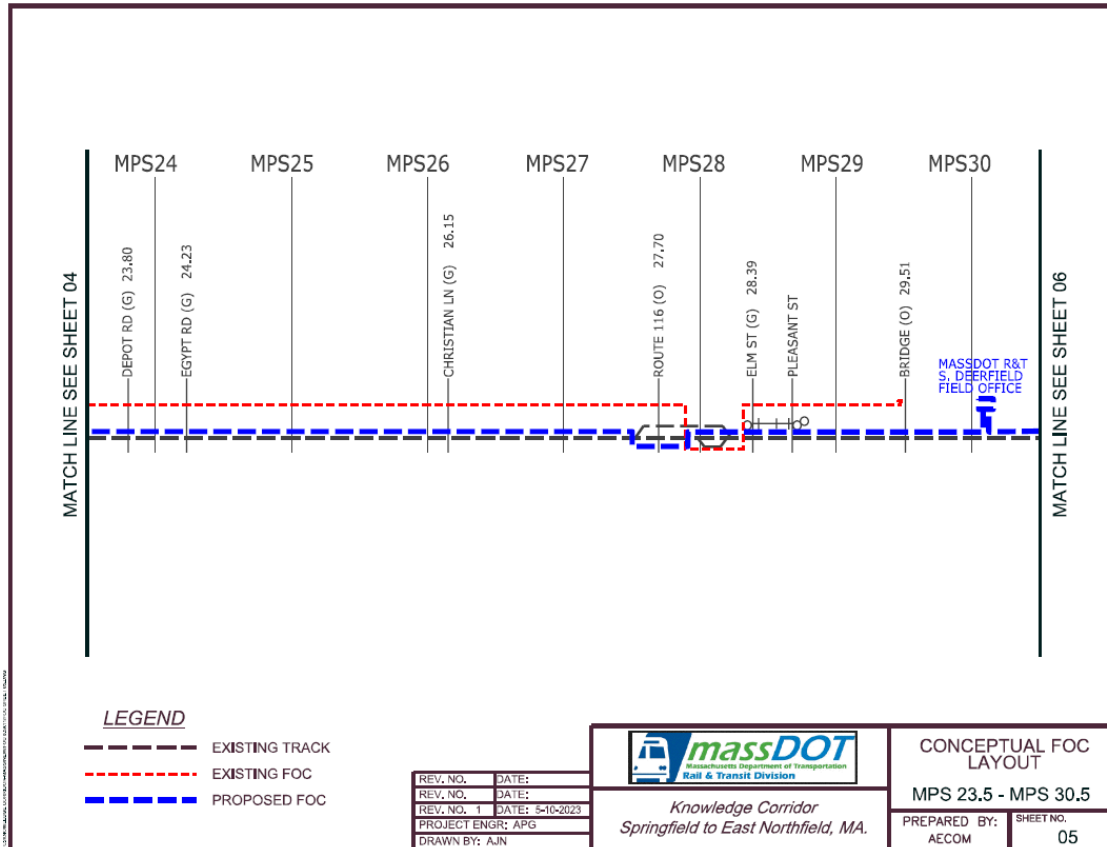
### RTA Program Preview

- MassDOT will meet with each RTA in March/April.
- Review the previous and upcoming fiscal years and any current challenges or issues
- Discuss important processes, requirements, and current issues in regional transit



# Knowledge Corridor Fiber Optic Cable

## Design, Cable Procurement, and Next Steps

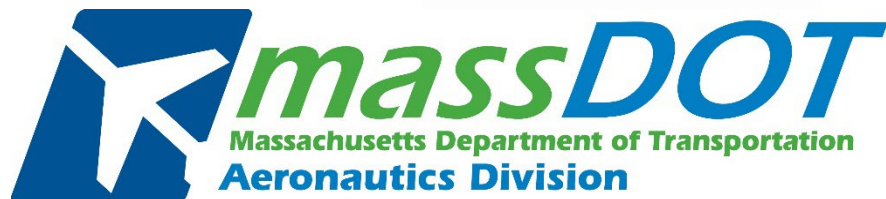
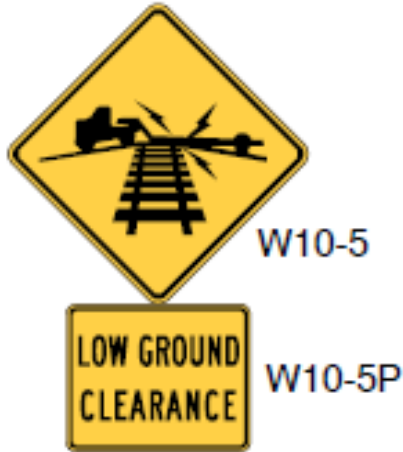


- The Rail Division has recently awarded a material vendor to supply Fiber Optic Cable for the project.
- WSP is scheduled to submit 30% design plans at the end of April.
- Will be designed to facilitate and support future installation of Positive Train Control (PTC) and associated railroad communications.
- PTC will improve safety of railroad operations and is required for increased railroad capacity.

# LiDAR for Grade Crossings

Testing LiDAR for low clearances

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## Objectives:

- Evaluate the feasibility and accuracy of different methods (e.g., drone, airborne LiDAR, mobile LiDAR) for generating the roadway vertical profile at railroad grade crossings; and
- Identify the most cost-effective method and implementation strategies and standards (e.g., flight height, mounting positions). The findings will generate guidelines for MassDOT consultants to survey railroad grade crossings and to ensure the quality of the collected data.

## Goals:

- Identify high-risk grade crossings and set up appropriate warning signs such as the Railroad Low Ground Clearance (X-W10-5) sign to improve safety;
- Publish such information so that third-party developers can integrate it into navigation Apps;
- Identify high-risk grade crossings for reconstruction





# LiDAR for Grade Crossings

Testing LiDAR for low clearances

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- **Drone LiDAR: River Road, Northfield**

Thank You

