

FTA Safety Management Inspection Update MBTA Safety, Health & Environment Committee Meeting September 14, 2023 Natasha Vance, Acting Deputy Chief of Quality, Compliance & Oversight

# **MBTA Finding Closure Progress**

**Previous:** 

Four Special Directive 22-06 OCC Findings 1-3 - closed

22-04 CAPS 3 & 9 - closed

22-06 CAP 4 - closed

22-04 Finding 1 (CAP 1) - closure requested

Current: MBTA has completed all 60-day IAL Safety Work Plan action items MBTA has requested closure of 22-04 Finding 5 (CAP 5)



### **ROW Access Improvement**

|         |  |                                | Week Commencing   | Sun 08/13/2023 |     |     |     |     |     |     | Sun 08/20/2023 |     |     |     |     |     |     | Sun 08/27/2023 |     |     |     |     |     |     | Sun 09/03/2023 |     |     |     |     |      |     |
|---------|--|--------------------------------|---|----------------|-----|-----|-----|-----|-----|-----|----------------|-----|-----|-----|-----|-----|-----|----------------|-----|-----|-----|-----|-----|-----|----------------|-----|-----|-----|-----|------|-----|
|         |  |                                | TRIAL WEEK #  | 1              |     |     |     |     |     |     | 2              |     |     |     |     |     | 3   |                |     |     |     |     |     | 4   |                |     |     |     |     |      |     |
|         |  |                                | SHIFT   |                |     |     |     |     |     |     |                |     |     |     |     |     |     |                |     |     |     |     |     |     |                |     |     |     |     | Thu/ |     |
| SECTION | LOCATION                                       | HI-RAIL ACCESS POINT           | TRACK SECTIONING  | Sun            | Mon | Tue | wed | Inu | Fri | Sat | Sun            | Mon | Tue | wed | Inu | Fri | Sat | Sun            | Mon | Tue | wea | Inu | Fri | Sat | Sun            | Mon | Tue | Wed | Inu | Ffi  | Sat |
| OL - 01 | FOREST HILLS to<br>ROXBURY CROSSING (incl)     | Forest Hills Yard Truck<br>Pad | ON 28+10 to 164+00<br>OS 26+80 to 164+00<br>Forest Hills Storage (All Tracks) |                |     |     |     |     |     |     |                |     |     |     |     |     |     |                | м   | м   | м   | м   | м   |     | s              | s   | s   | s   | s   |      |     |
|         |  |                                | i orest millo storage (All Hacks)   |                |     |     |     |     |     |     |                |     |     |     |     |     |     |                | т   | т   | т   | т   | Т   |     |                | Р   | Р   | Р   | Р   | Р    |     |
| OL - 02 | ROXBURY CROSSING (excl) to<br>HAYMARKET (incl) | Gainsboro Truck Pad            | ON 164+00 to 333+00<br>OS 164+00 to 333+00                                    |                |     | S   | S   | S   | S   | S   |                |     |     |     |     |     |     |                |     |     |     |     |     |     |                | м   | м   | м   | М   | м    |     |
| 01-02   |  |                                |   |                | Р   | Р   | Р   | Р   | Р   | Р   |                |     |     |     |     |     |     |                |     |     |     |     |     |     |                | т   | т   | т   | т   | т    |     |
| OL - 03 | HAYMARKET (excl) to<br>WELLINGTON (incl)       | Community College              | ON 333+00 to 497+00<br>OS 333+00 to 497+00                                    |                | м   | м   | м   | м   | М   |     | S              | S   | S   | S   | S   | S   |     |                |     |     |     |     |     |     |                |     |     |     |     |      |     |
| 01-03   |  |                                | Test Track: Full Length   |                | т   | т   | т   | т   | т   |     |                | Р   | Р   | Ρ   | Ρ   | Р   | Р   |                |     |     |     |     |     |     |                |     |     |     |     |      |     |
| OL - 04 | WELLINGTON (excl) to<br>OAK GROVE DEAD-END     | Jerry's Gate                   | ON 497+00 to Bump Post<br>OS 497+00 to Bump Post                              |                |     |     |     |     |     |     |                | м   | м   | м   | Μ   | м   |     | S              | S   | S   | S   | S   |     |     |                |     |     |     |     |      |     |
| 01-04   |  |                                |   |                |     |     |     |     |     |     |                | т   | т   | т   | т   | т   |     |                | Р   | Ρ   | Ρ   | Ρ   | Ρ   |     |                |     |     |     |     |      |     |

#### **Example - Cyclical Access Planning**

| Work Zone Start Location *   | Power Isolation Planning system configuration:   |
|--|--|
| Work Zone End Location *   | Where is the work taking place in relation to the Conductor Rail / OCS (including any material, tool, equipment and personnel)?  |
| Is the work conducted on track or within 10 ft from the<br>track centerline? | 1. Directly on Con Rail (W+S)  |
| No Y   | 2. Within 1ft/300mm (W+S)  |
| Is the work conducted on a platform?   | 3. Between 3ft 6in/1000mm & 1ft/300mm (S)  |
| Nov  | 4. More than 3ft 6in/1000mm away (NR)  |
| Is there any potential to foul the ROW?                                      | Field will be added linked to Equipment choice made in the system when plepping work to identify whether the   |
| No Y   | Field will be added linked to Equipment choice made in the system when planning work to identify whether the<br>equipment has been signed off to travel to site under live OCS or not. |
| Summary of Work *  |  |

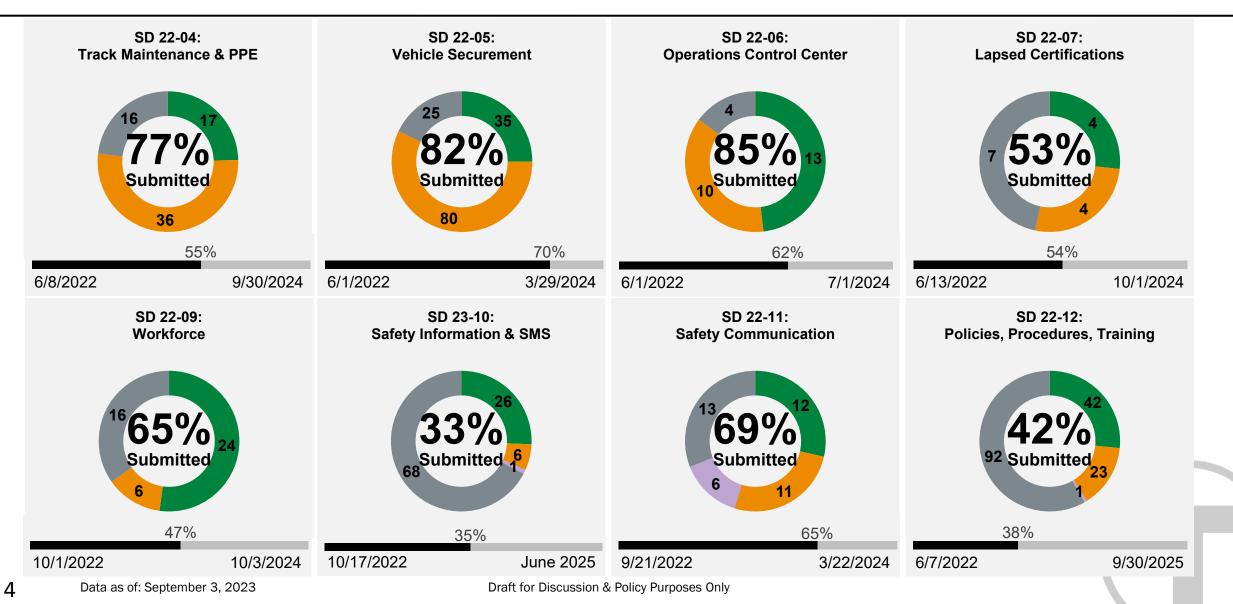
#### **Example - Power Isolation Planning**

Draft for Discussion & Policy Purposes Only

Submissions Accepted Under FTA Review Resubmittal Required

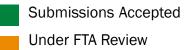
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#### FTA SMI Response Progress Summary



# Questions?

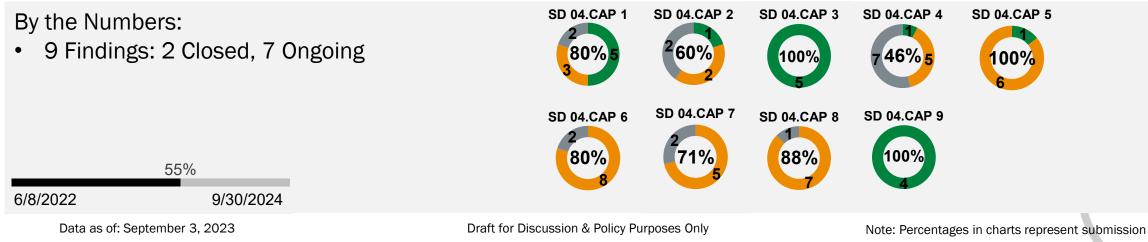
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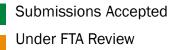




### SD 22-4: Track Maintenance & PPE

- F1: Published updated Rulebook for Operations Employees incorporating PPE requirements CAP Closure request submitted 8/15 and addresses remaining action items
- F2: Reporting against our PPE compliance program on a monthly basis
- ✓ F3: Raised Tufts Curve Speed Restriction after completing Cologne Egg replacement CAP CLOSED
- F4: Implemented trials for ROW access planning
- F5: Submitted budget requests for MOW equipment and resource needs CAP Closure request submitted 8/28
- F6: Developed Capital Funding Request & Plan for Accelerated Implementation of EAM
- F7: Developed and Implemented New Weekly Speed Restriction Report for Executives
- F8: Worked with MOW and CT to update SMRP to account for new speed restrictions, submitted our new format to FTA for our quarterly update
- ✓ F9: Restored Green Line Work Train to Working Order CAP CLOSED

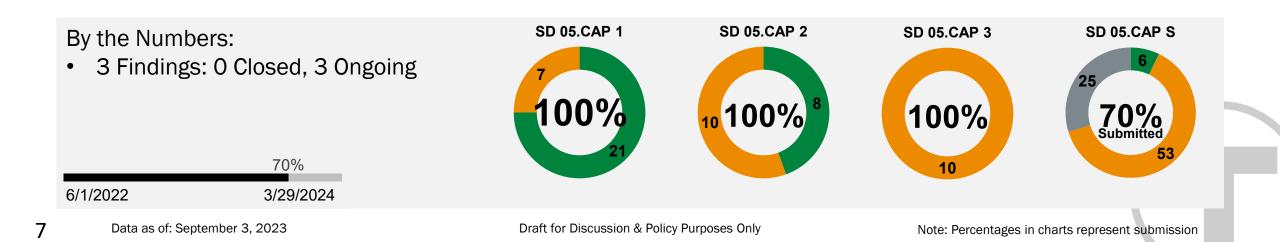


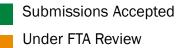




## SD 22-5: Vehicle Securement

- F1: Submitted Supplemental CAP for Pre-Trip Inspections
- F2: Completed Training of All Heavy and Light Rail Personnel
- F3: Implemented Compliance Program for Safe Movement
- Supplemental: Blue Line pilot started September 1

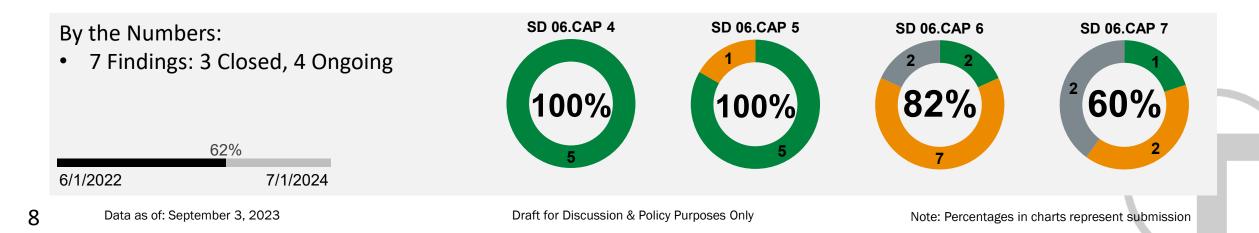


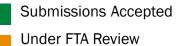




# SD 22-6: Operations Control Center

- $\checkmark$  F1: Ensured that staff working in OCC are certified FINDING CLOSED
- ✓ F2: Established policies to ensure OCC staff have sufficient time off between shifts FINDING CLOSED
- ✓ F3: Established Operating Procedures to Ensure No Staff Performing Dual Roles FINDING CLOSED
- ✓ F4: Ensured 100% Compliance with Work Hour Restrictions CAP CLOSED
- F5: Staffed to 26 Dispatchers Including Supplemental Resources
- F6: Implementing plan to make OCC role more attractive
- F7: Recertified 100% of OCC Staff

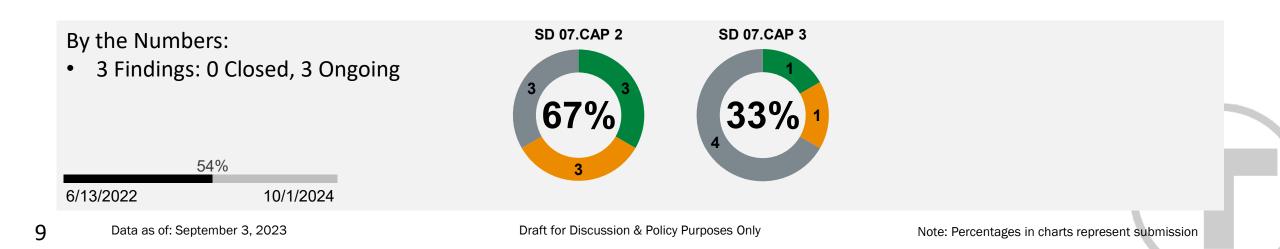






## SD 22-7: Lapsed Certification Process

- F1: Ensured 100% of Operating Personnel Are Current in Certifications
- F2: Ensured 100% of Operating Personnel Are Current in Certifications Submitted Special Order revision
- F3: Ensured 100% of Operating Personnel Are Current in Certifications; Designing and Implementing Certification Management Procedures



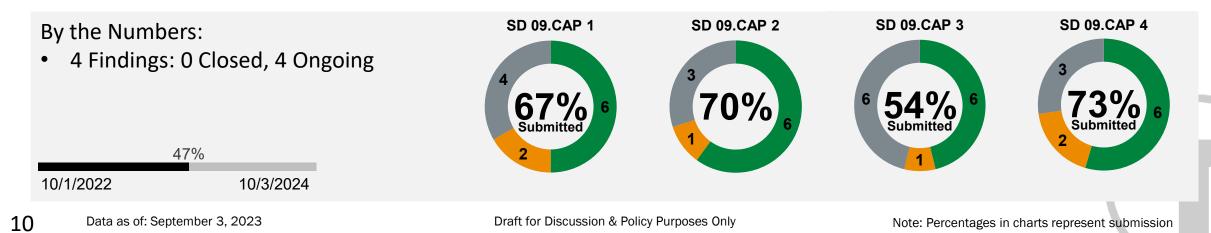
Submissions Accepted Under FTA Review

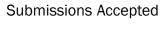


Not Yet Submitted

#### SD 22-9: Workforce

- F1: Reviewed service level concept and safety risk assessment approach with FTA
- F2: Determined hiring and retention challenge areas to explore to enable the ultimate hiring plan
- F3: Began reviewing current Safety Certification policy
- F4: Implemented Contractor Outreach and Engagement Program





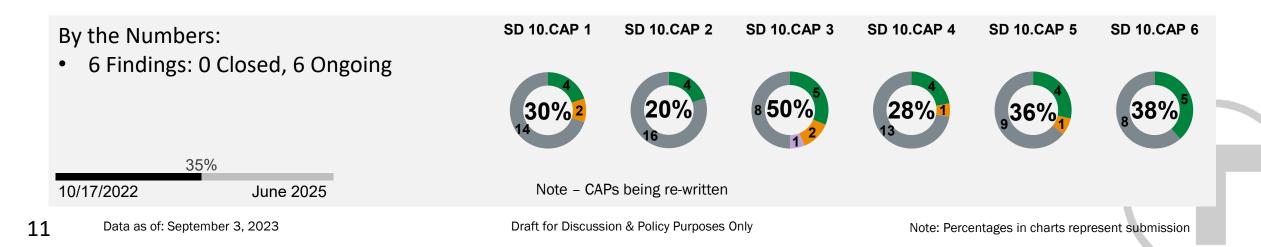
Under FTA Review



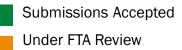
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# SD 22-10: Safety Information & SMS

- F1: CAP Resubmittal planned for 9/11/23
- F2/F3: Combined CAP Resubmittal planned for 9/11/23
- F4: CAP Resubmittal planned for 9/11/23
- F5: CAP Resubmittal planned for 9/11/23
- F6: CAP Resubmittal planned for 9/11/23
- Completed Safety Department Staffing Analysis and submitting weekly hiring updates to FTA, completed Strategic Hiring Plan



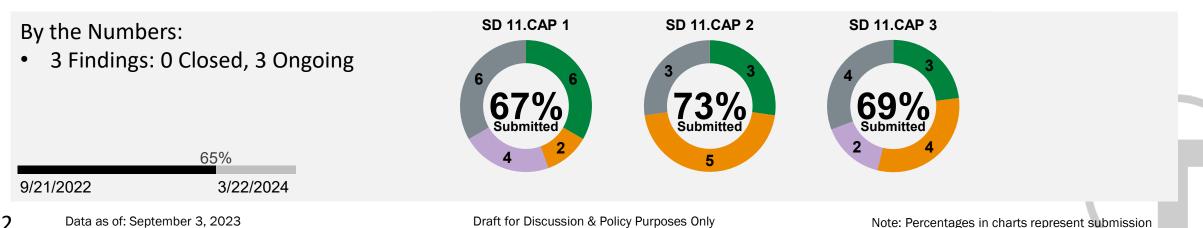






# SD 22-11: Safety Communication

- F1: Developed meeting charters and began socializing them with the different safety meeting cohorts
- F2: Scheduled & Published Local Safety Committee Meeting Series
- F3: Published Employee-Focused Safety Helpline SOP Submitted Plan for ESRP SRM Integration





Resubmittal Required

Not Yet Submitted

### SD 22-12: Policies, Procedures & Training

- F1: Submitted rewritten CAP to FTA
- F2: Submitted rewritten CAP to FTA
- F3: Submitted a request for CAP 3 rewrite 9/7/23
- F4: Assessed Current State Of Training And Developed Recommendations for Training Governance
- F5: Developing Workforce Feedback Workshop on Technology Tool needs
- F6: Selected Technical Support for Expanded Mentorship Program
- F7: Completed Repairs on 17 of 18 Radio Weak Spots

