Safety - Reportable Rail Events

- 143 reportable events and hazards
- 10 incidents resulting in 12 severe outcomes
- No fatalities

<table>
<thead>
<tr>
<th>REPORTED ITEM</th>
<th>COUNT</th>
<th>Outcomes</th>
<th>Fatal Injury</th>
<th>Property Damage ($25,000 or more)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard</td>
<td>90</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Collision at RGXing</td>
<td>20</td>
<td>4</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Collision w/person in ROW</td>
<td>12</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Fire or use of fire supression</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>RTV collision w/ another RTV / NRV</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Evacuation (life safety or to haz. Location)</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Property damage of $25,000 or more (only)</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Derailment (yard or mainline)</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Serious or multiple injury (only)</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Fatal injury (only)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>143</strong></td>
<td><strong>8</strong></td>
<td><strong>0</strong></td>
<td><strong>4</strong></td>
</tr>
</tbody>
</table>
Safety – Train Collisions

A total of 39 train Collisions

1. Involved objects, 1 resulted in $25K - 2 incidents
2. Involved another TriMet vehicle (4 buses & 1 NRV) – 5 incidents
3. Involved a motor vehicle within a rail grade crossing (19 passenger vehicles & 1 commercial motor vehicle) – 20 incidents
4. Involved a person/bicyclist - 12 (3) were serious injury
Train Collision Locations

- West of 28th Ave, to Hatfield Gov. Center: 2
- Robertson Tunnel to 28th Ave, Hillsboro: 2
- West of Gateway TC to 197th Ave: 2
- Tоличество Bridge to Park Ave: 3
- Interstate Ave through Gateway TC: 4
- Interstate Rose Qtr to Expo Center: 9
- Portland Central Business District: 17
Safety – Rail Incident Review Board

- Examines train accidents & incidents to make determinations if the accident was preventable
- Majority of collisions, the rail operator could not have avoided the collision.
Safety RPSE

Rail Pedestrian Safety Enhancement updates (RPSE)

RPSE projects at 10th/WA, Baseline, and 158th/Merlo (west side):

1. Achieved substantial completion on 6/29/20
2. A punch list is being assembled
3. ODOT final inspection being coordinated
4. Final completion scheduled for 7/6/20

*See Notes for additional background
Safety and Security New Initiatives 2021

• At-grade crossing study and risk ranking modeling and methodology efforts continue into FY 21.

• Crash Advisory Committee

• Safety Management System

• Adoption and implementation of the Public Transit Agency Safety Plan (PTASP) and Safety Management System

• Community listening sessions followed by new Public Safety Initiatives
Security Program

• Transit Police Division
• Unarmed Security Personnel
• Code Compliance Program
• Emergency Management
  • Training Drills and Exercises
• Physical Infrastructure Protection Systems
• Crime Prevention Through Environmental Design
2019 Fare Evasion Survey

10,782 Riders Surveyed

Compliance
- 80.5% comply with paying fare

Historical Compliance of No or Incorrect Fare

<table>
<thead>
<tr>
<th>Year</th>
<th>Valid Fare</th>
<th>No Fare</th>
<th>Incorrect Fare</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>80.5%</td>
<td>18.2%</td>
<td>1.3%</td>
</tr>
<tr>
<td>2014</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
62% of those surveyed without valid fare indicated they either did not tap, forgot to tap, or took a chance.

2% indicated they could not afford fare.
2019 Proof of Payment Activity

Warnings Issued 3376
Fare Citations Issued 15570

Administrative Resolution Outcomes

Honored Citizen Enrollment 113
Community Service 296
Transit Assistant Program Enrollment 421
Reduced Fine 1959
Appeal (Fix it Ticket) 725

3,514 Citations resolved through Administrative Options
Security Incidents 2019-2020

Assaults on Employees, Supervisors, and Contractors

Total Number of Employee Assaults

<table>
<thead>
<tr>
<th>Month</th>
<th>Sep-19</th>
<th>Oct-19</th>
<th>Nov-19</th>
<th>Dec-19</th>
<th>Jan-20</th>
<th>Feb-20</th>
<th>Mar-20</th>
<th>Apr-20</th>
<th>May-20</th>
<th>Jun-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assaults</td>
<td>20</td>
<td>34</td>
<td>23</td>
<td>44</td>
<td>35</td>
<td>47</td>
<td>46</td>
<td>41</td>
<td>35</td>
<td>35</td>
</tr>
</tbody>
</table>
Other Security Initiatives for FY 21

Focus on Behavior Change
- Data reflects a majority of those surveyed with out valid fare took a chance or failed to tap or validate fare.
- Reduce Operator Assaults.
- Increase rider perception of safety of the system.

New Staff
- 8 New Proof of Payment and code of conduct staff.

New Proof of Payment Model
- Increased early morning and late night coverage.
- Blended Security model with Community Outreach workers.

Expanded Annual Training and Recertification for Security and Front Line Staff
- De-Escalation
- Cultural Competency
- Behavioral and Mental Health
Questions?