MTS System Overview

- Over 37 million passenger trips in 2019
- 115,591 average weekday ridership
- 4 Rail Lines
- 53.5 Miles of Track
- Over 500 Weekday Trips
- 56 Train Stations
- 62 Substations
- 139 Grade Crossings
- 55 Bridges
- 128 Light Rail Vehicles
MTS Bus Network

- Approximately 160,000 Passenger Trips
- 11 Jurisdictions
- 10 Cities
- 1 County
- 90+ Bus Routes 50 million passenger annually
- Increasing network of high-frequency bus services

**Rapid Bus Routes:**
- Limited service: Times/week and/or trips/day
- High-frequency, limited stop services
- Utilize dedicated transit lanes or HOV lanes for service

**Rural Bus Routes:**
- Service to Campo, Jacumba, Julian, Ramona and Borrego Springs
Mid-Coast Trolley Project

- 11-mile extension of Blue Line
- Old Town Transit Center to University Town Center
- Nine new stations (five with parking)
- 36 new vehicles
- $2.17 billion FTA funded including financing
- Revenue Service November 2021
Regulatory Oversight

- California Public Utilities Commission
- Federal Railroad Administration
- Federal Transportation Administration
MTS Emergency Management Program
Continuity of Operations Plan

• Ensures the continuity of core business processes
• Assesses, manages and mitigates Disaster Recovery risks.
National Response Framework (NRF)

**Emergency Support Function (ESF)**

- The primary operational-level mechanism to provide assistance
- Organized around functional capabilities (e.g., emergency management, transportation, search and rescue, etc.

**ESF General Duties**

- Commit agency assets
- Maintain situational awareness and report on ESF operations
- Serve a technical experts

MTS has an existing MOU with the SD County OES
Independent Study Course

MTS - Rail Supervisors, Controllers, Code Compliance and Transit Enforcement Officers have completed FEMA IS-100.b Introduction to Incident Command
EMERGENCY RESPONDER FAMILIARIZATION

SDTI performs safety training with personnel from emergency response agencies within jurisdictions through which the trolley operates. First responders are provided with basic information of the SDTI system, equipment, and operations during the training provided by the System Safety Manager and the Transportation Training Department. Function specific training and exercises are also provided, including:

- Active shooter/tubular assault/sniper (SWAT)
- Heavy lift/extraction (fire departments, urban search and rescue)
- San Diego State University familiarization (fire departments in proximity to the university)
- Field canine enforcement (US Customs and Border Patrol)
Regional Heavy Rescue Training

Regional Heavy Rescue is conducted annually and include instructions on the following topics:

- Right of Way Safety
- Communicating with OCC
- Rail Road Response Protocol
- Vehicle & Equipment Familiarization
- LRV Lifting points
Heavy Rescue Training
Emergency Responder Training
San Diego State University

Site familiarization with San Diego Fire Department
SWAT Training
Participating Agencies

SWAT Tubular Assault/ Sniper Exercises:

• San Diego Police SWAT
• San Diego Sheriff SWAT
• National City SWAT
• El Cajon Police SWAT
• La Mesa SWAT
• National City SWAT
• FBI/Navy EOD
Equipment Familiarization
Equipment Familiarization
MTS-Rail Earthquake Procedures

SOP 106.04

• When an earthquake is felt the controller must be notified immediately

• The Controller will contact and record the location of each train

• The controller shall instruct each train to proceed at restricted speed until reaching the location of the preceding train

• Trains shall report damages to the controller
Special Instructions

49 CFR 237.105 – Outlines

Inspection requirements and special instructions for Bridge Inspections

• Scheduling of inspections
• Conducting actual inspections
• Review of inspection records and inspection reports.
Earthquake Procedures

➢ MOW and Track personnel are dispatched to inspect bridges and overpasses, structures, tunnels, and any damage that is reported.

➢ The Superintendent of Transportation is notified of any action taken.

➢ In the event that communications or electrical power is lost for an extended period, employees will reassure and keep patrons safe, secure and protect the line and property, and use alternate means of communication to report to the controller.
Earthquake Response Instructions

The U.S.G.S. website (http://earthquake.usgs.gov) is used to obtain current earthquake information.

- Subscription service with automatic notifications
- notify subscribers by email and cell phone
- Provides information based on user defined area and established magnitude thresholds

After the magnitude and epicenter have been determined, the following Train Operation and Inspection Response criteria will apply:
# Earthquake Response Instructions

<table>
<thead>
<tr>
<th>Magnitude</th>
<th>Train Restriction</th>
<th>Signal</th>
<th>Track</th>
<th>Bridge</th>
<th>Radius from epicenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0 to 4.9</td>
<td>No train operation restrictions or inspections</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5.0 to 5.49</td>
<td>Proceed at restricted speed</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>30 miles</td>
</tr>
<tr>
<td>5.5 to 5.99</td>
<td>Proceed at restricted speed</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>30 miles</td>
</tr>
<tr>
<td>6.0 to 6.49</td>
<td>Trains stop for inspections</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>50 miles</td>
</tr>
<tr>
<td>6.5 to 6.99</td>
<td>Trains stop for inspections</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>70 miles</td>
</tr>
<tr>
<td>7.0 to 7.49</td>
<td>Trains stop for inspections</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>100 miles</td>
</tr>
<tr>
<td>7.5 &amp; above</td>
<td>Trains stop for inspections</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Varies*</td>
</tr>
</tbody>
</table>
Earthquake Response Instructions

• Damage will likely be at the bridge bearings which will exhibit lateral shift and/or abutment tilt. Track surface will exhibit settlements at the approaches to the bridge.

• Due to access limitations, it may be advantageous to use a high-rail vehicle to perform post-earthquake bridge inspections.

• In addition to railroad bridges and railroad infrastructure, piers supporting highway bridges over the track and older buildings adjacent to the track should also be inspected.
Earthquake Response Instructions

• Train operations must not resume over any structure that has earthquake related damages until a qualified Railroad Bridge Engineer has been consulted.

• Further procedures have been developed and include:
  • Instructions for Underwater Inspections
  • Instructions for High Water, Flood, Streambed Erosion and Drift accumulation
  • Vehicle & Vessel Impacts Response Instructions and Special Inspection Procedures
  • Fire Damage Response and Special Inspection Procedures
County OES Partnership

The purpose of these exercises is evaluate San Diego County’s response to a complex emergencies that could occur within our region.
## San Diego Regional Participants

<table>
<thead>
<tr>
<th>Public / Government Agencies</th>
<th>Emergency Responders</th>
<th>Hospitals / Schools</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Diego MTS</td>
<td>San Diego Police/Fire</td>
<td>VA Healthcare</td>
</tr>
<tr>
<td>FBI</td>
<td>San Diego Sheriff Office</td>
<td>UCSD Medical Center</td>
</tr>
<tr>
<td>US Coast Guard</td>
<td>National City Police/Fire</td>
<td>Kaiser Permanente</td>
</tr>
<tr>
<td>MCRD San Diego</td>
<td>El Cajon Police/Fire</td>
<td>Sharp Healthcare</td>
</tr>
<tr>
<td>Naval Base Coronado</td>
<td>Oceanside Police/Fire</td>
<td>Scripps Healthcare</td>
</tr>
<tr>
<td>SD County Medical Examiner</td>
<td>Cal Fire</td>
<td>California State University</td>
</tr>
<tr>
<td>Airport Authority</td>
<td>Carlsbad Police/Fire</td>
<td>Cal State San Marcos</td>
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<tr>
<td>San Diego Medical Services</td>
<td>Escondido Police/Fire</td>
<td>National University</td>
</tr>
<tr>
<td>Emergency Medical Services</td>
<td>Heartland Fire Rescue</td>
<td>South Western College</td>
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<tr>
<td>Dept. of Homeland Security</td>
<td>SDSU Police</td>
<td>SDSU</td>
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