



FEDERAL TRANSIT ADMINISTRATION

TAM Virtual Roundtable

July 28, 2020



U.S. Department of Transportation
Federal Transit Administration



TRANSIT
ASSET
MANAGEMENT

Robert Tuccillo, Associate Administrator for Budget and Policy

WELCOME AND INTRODUCTION



FEDERAL TRANSIT ADMINISTRATION

Moderated by: John Giorgis, Director, Office of Strategic Planning and Analysis

TRANSIT AGENCY EXECUTIVE PANEL



FEDERAL TRANSIT ADMINISTRATION



Jessica Mefford-Miller
St. Louis Metro



Doug Holcomb
Greater Bridgeport Transit



Jennie Rowland
Big Woods Transit



Carolyn Gonot
Utah Transit Authority



Jeffrey Tumlin
San Francisco Municipal Transit Agency

JESSICA MEFFORD-MILLER

St. Louis Metro



An aerial photograph of a city skyline, likely New York City, with numerous skyscrapers and buildings. The image is overlaid with a semi-transparent blue filter. The text "2020 Transit Asset Management Roundtable" is centered in white, with a green horizontal line underlining the word "Roundtable".

2020 Transit Asset Management Roundtable

Metro Transit



MetroBus

84 Fixed Routes

Fleet of more than 400 vehicles



MetroLink

38 MetroLink Stations

46 miles of rail in Missouri and Illinois



Metro Call-A-Ride

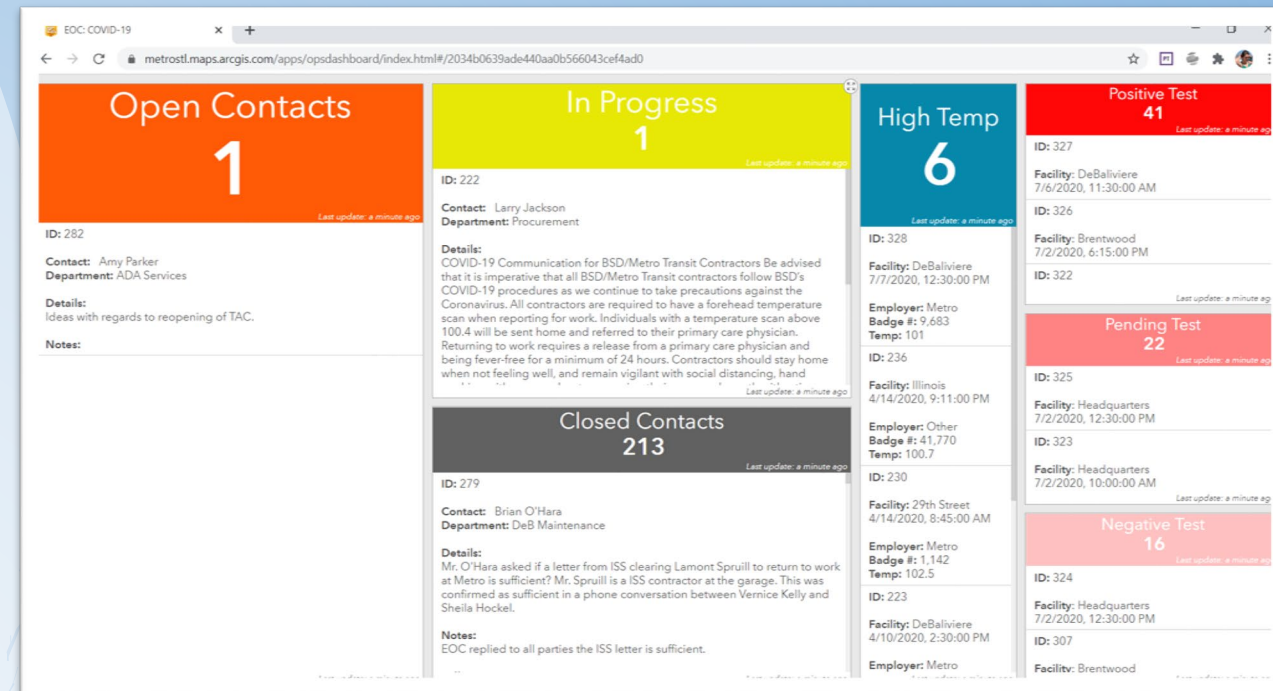
Provide ADA-accessible, paratransit service

Fleet of 120+ wheelchair lift-equipped vans

Coronavirus Response

Emergency Operations Activation

- National Incident Management Structure (NIMS)
- Efficient decision-making structure
- Incident Command Structure (ICS)
 - Human Resources
 - Administration
 - Operations
 - Tourism
 - Assets
- Incident Action Planning
 - Regularly-scheduled briefings & daily capability reporting
 - Collaboration with regional, state, national partners



Coronavirus Response

Hazard Mitigation Strategies

- Face Coverings Required
- Polycarbonate Operator Shields
- Enhanced, Frequent Cleaning and Disinfection of Vehicles and Transit Centers
- Reduced Bus Capacity
- Temperature Screenings
- Defined Areas to Promote Social Distancing for Operators/Passengers
- Regular, consistent communication promoting essential trips and CDC guidelines
- Hand-Washing Stations
- Suspended Paper Fare Media
- Introduced Mobile Fare Option
- Closed Indoor Transit Areas



Metro Transit – TAM Policy Statement

Metro is committed to implementing a strategic process for acquiring, operating, maintaining, upgrading, and replacing its transit assets to directly support the organization's mission of providing safe and reliable public transportation services to the St. Louis Metropolitan Region.

- Began in 2010 with FTA State of Good Repair program; new EAM program in 2017
- Maximize asset life cycle
- Inventories completed for more than 60 facilities and more than 96 miles of track infrastructure

TAM: New Applications

FROM ROLLING STOCK TO FACILITIES

TAM: New Applications

SAFETY MANAGEMENT SYSTEMS

- Applying TAM principles to SMS
- Shared focus on safety and support of State of Good Repair
- Enhanced incident management allows for direct reporting of assets with safety concerns or failures

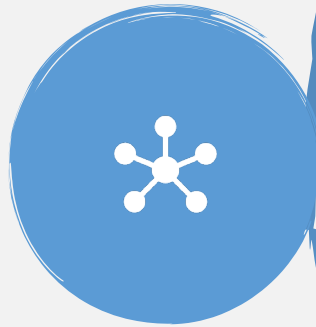
TAM: Challenges



**Internal
Adoption**



Technology

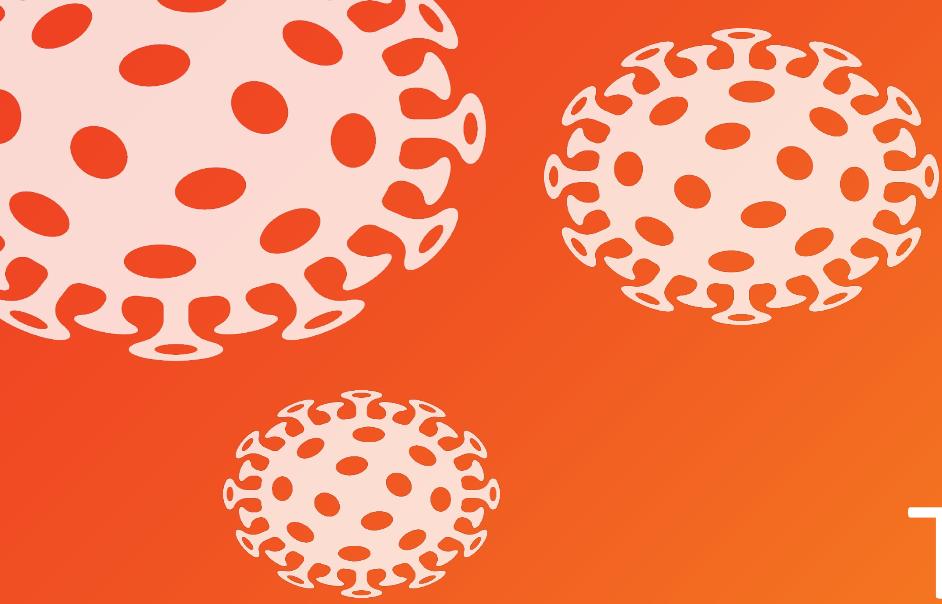


**Integration of
New
Processes**

DOUG HOLCOMB

Greater Bridgeport Transit

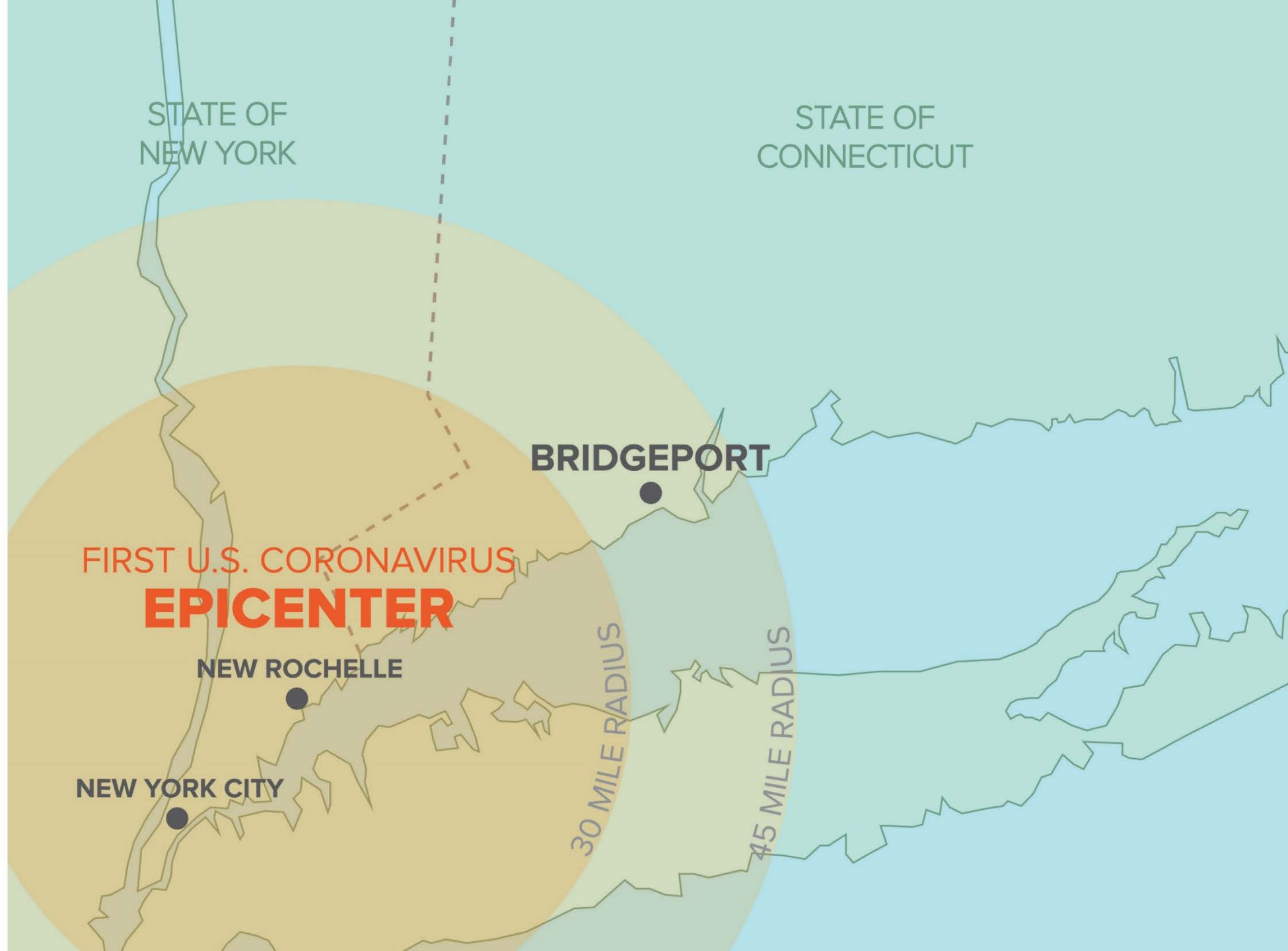




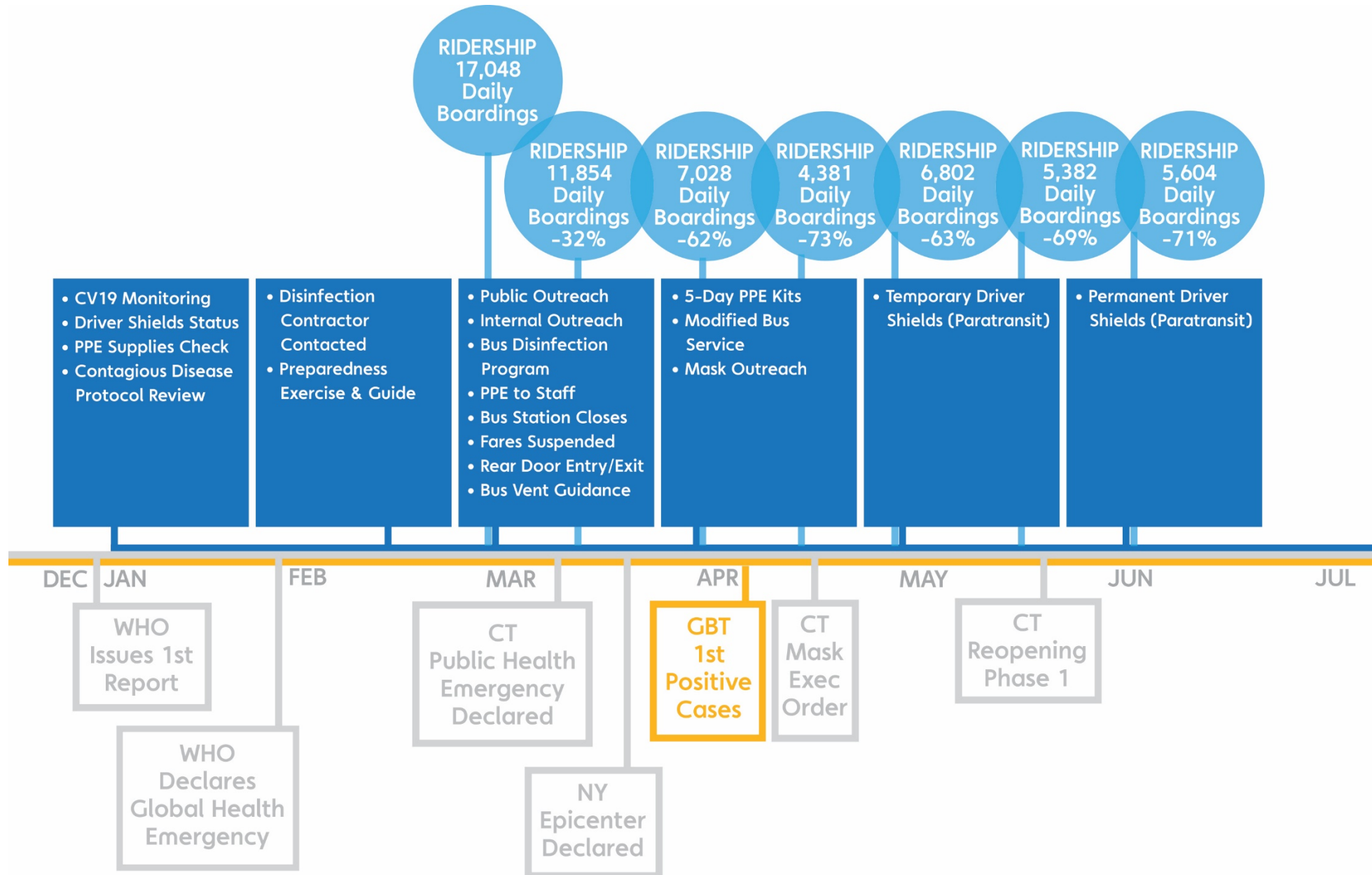
TRANSIT ASSET MANAGEMENT AND THE COVID-19 PANDEMIC

TAM Multimodal Roundtable

July 28, 2020



Timeline



GBT/CTDOT Transit Asset Management Plan



nd Condition

Inventory	Vehicles below ULB	Vehicles exceeded ULB	
185 vehicles	76%	24%	
277 vehicles	54%	46%	
6 vehicles	100%	0%	

summarize bus inventory and condition,

g Condition

Inventory	Vehicles below ULB	Vehicles exceeded ULB	
16 vehicles	25%	75%	

nd Condition

Inventory	Vehicles below ULB	Vehicles exceeded ULB	
57 vehicles	91%	9%	
30 vehicles	87%	13%	

nd Condition

Inventory	Vehicles below ULB	Vehicles exceeded ULB	
73 vehicles	77%	23%	
6 vehicles	100%	0%	

Building Inspection Report

Connecticut Department of Transportation

Asset ID: 5729

Asset Description: Greater Bridgeport - 5729

Inspection Date: 05/27/2020

Inspected By: Baker

**Final Draft
for CTDOT Approval**
Approved by: DTIAH 06/09/2020
Compiled by: S.I. 06/24/2020
**CTDOT Status
(Approved / Resubmit)**
Reviewed by: XXXX 06/09/2020
Status: XXXX 06/09/2020



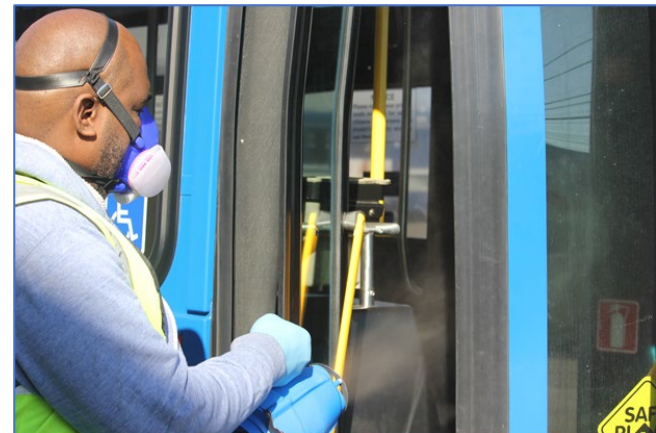
COVID-19 Impact on Capital Program

- Ridership has Dropped, Service Has Not
- Some Projects Progressed, Others Delayed



Protecting Employees and Riders

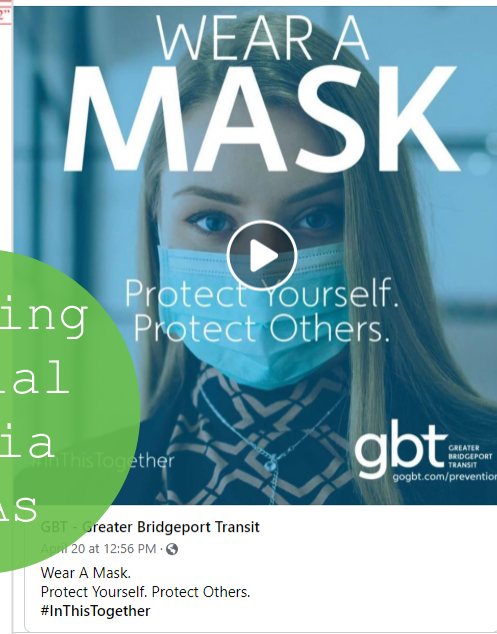
- Increased Cleaning/High Touch Disinfecting
- Personal Protective Equipment (PPE)
- **Suspension of Fare Collection (Continues)**
- **Rear Door Entry**
- Mask/Face Covering “Requirement”
- **Disinfecting (“Fogging”)**
- **Service Modification/Extra Board/Daily Bid (Flexible)**
- Shift Modification (Maintenance)
- External Community Engagement (15 Internal Newsletters Since Start of Pandemic)
- Internal Communications (23 Internal Newsletters Since Start of Pandemic)
- New Signage
- **Daily Communication with Union**
- Development of Driver PPE Kits
- Joint Mask Distribution with the Union
- **Driver “Shield”**
- **Rapid Testing**



Community Engagement



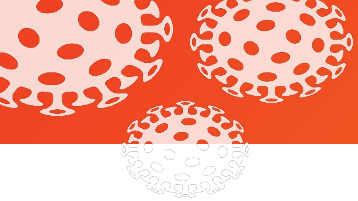
Ongoing Social Media PSAs



10+ Public Newsletters

LIV With Mayor



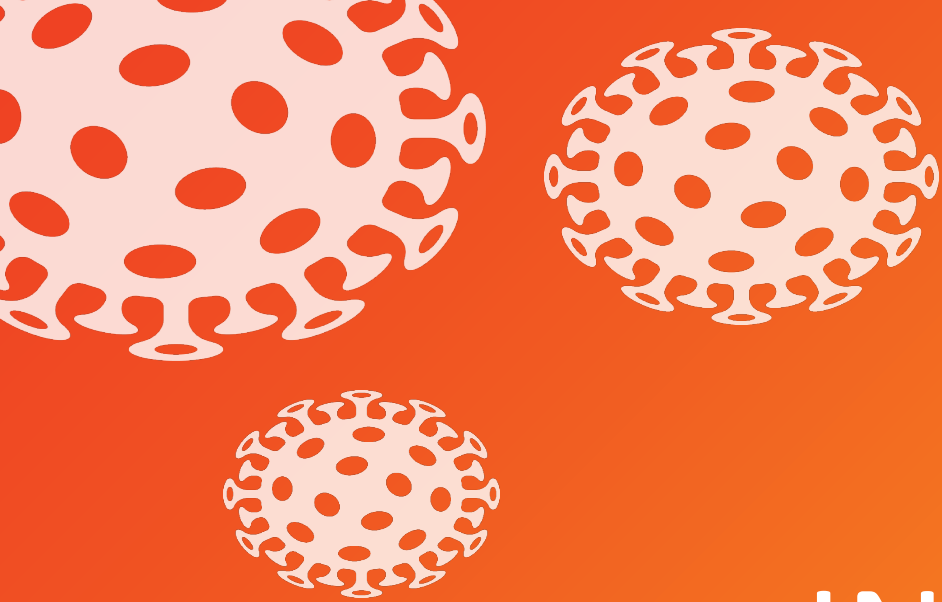


Cleaning and Disinfecting • Next Phase

- Reduce the risk of disease for all GBT employees and customers;
- Provide for the continuity of service during public health emergencies;
- Ensure resilience of the workforce and services against public health threats *of any kind*;
- Create an *Environmental Services Program*, based in science and demonstrated processes, products, equipment and materials, which, when shared with employees and customers, instills confidence that the service is as safe as possible to provide and use;
- Create a cleaning program that proactively addresses public health issues effecting GBT employees and customers rather than a reactive program;
- Protect the health and safety of GBT staff involved in Environmental Services work;

Gap Assessment
By
Environmental Health and
Science (EH&S) Firm

(July/August)



CONTACT INFORMATION

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GM/CEO

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Administrative Offices
One Cross Street, Bridgeport, CT 06610

Bus Station
710 Water Street, Bridgeport, CT 06604



JENNIE ROWLAND

Big Woods Transit (Bois Forte Band of Chippewa)



Bois Forte Public Transportation

Big Woods Transit

Non-emergency Medical Transportation
Wii-doo-kaa-ge Volunteer Driver Program

Jennie Rowland – Transportation Manager

jrowland@boisforte-nsn.gov

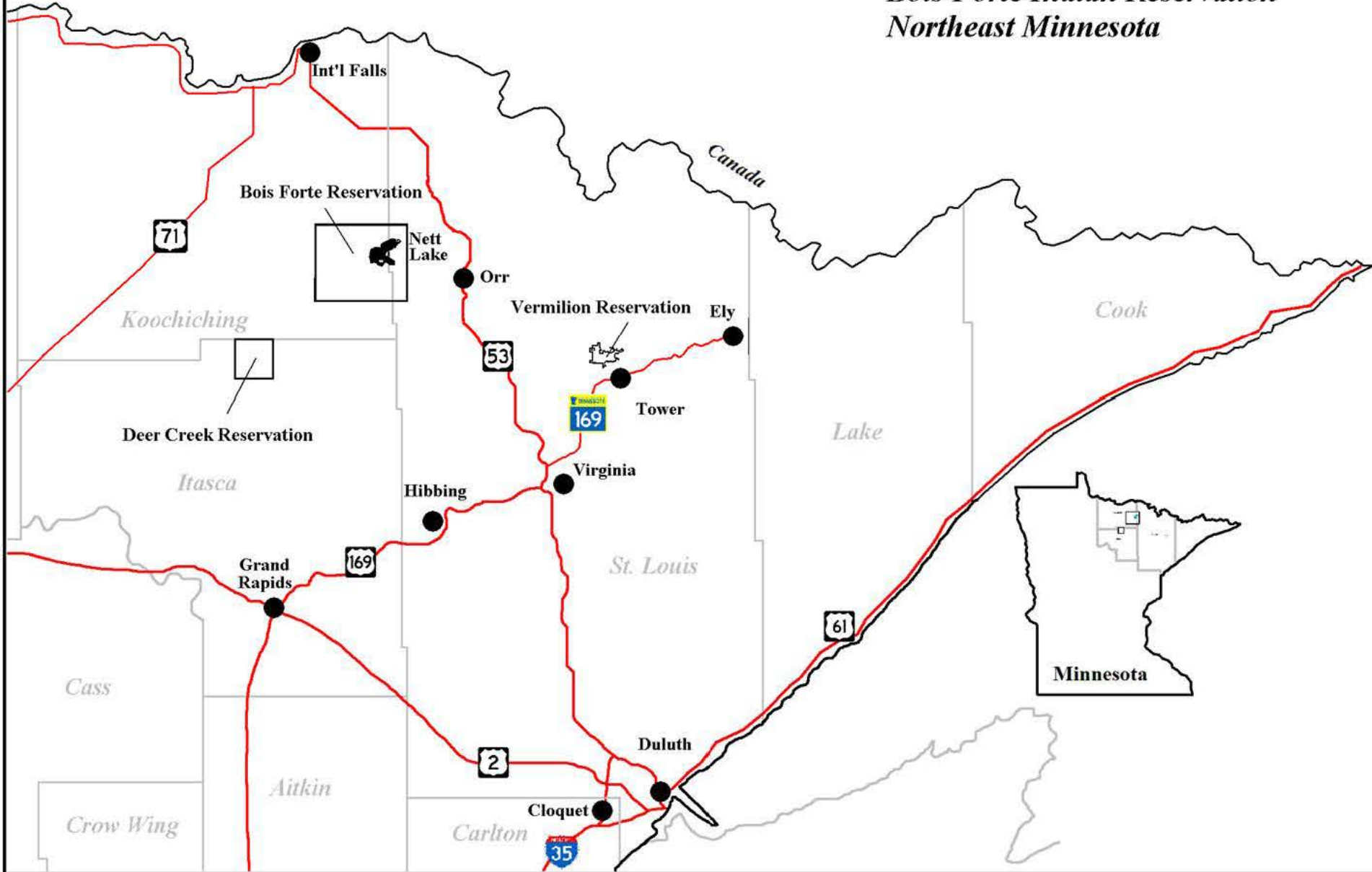
Current fleet minus two



Bois Forte Reservation has three non-contiguous land sectors

- Nett Lake sector is 163 sq. miles or 104,320 acres
- Vermilion sector is 3 sq. miles or 1,920 acres
- Deer Creek sector is 36 sq. miles or 23,040 acres
- Each of these sectors are over 60 miles away from each other
- The transit serves all Native communities on the Reservation and all non-Native communities in between and throughout the region

*Bois Forte Indian Reservation
Northeast Minnesota*



Changed during a pandemic...

- Changes in routes
- Cancellation of routes
- Deviation of routes
- Mitigation of virus spread for staff and vehicles
- New equipment
- Staff education
- Staff training
- Data reporting
- Dispatching



CAROLYN GONOT

Utah Transit Authority



Utah Transit Authority Overview

Carolyn Gonot

Executive Director



UTA Overview

- Multi-modal
 - Commuter Rail
 - Light Rail
 - Streetcar
 - Bus
 - Demand Response
 - Van Pool
 - New micro-transit pilot
- Approx 2,600 Employees
- Agency is 50 years old



UTA's Efforts on COVID-19

- Focus primarily on safety for passengers and employees
- Communication to public and employees
 - Creation of UTA's Recovery Dashboard
 - <https://storymaps.arcgis.com/stories/ae2cbd3bfae6423c908d9da11b30de1f>



Dashboard Focus Points

UTA COVID-19 Recovery

[Recovery Overview](#) [Ridership](#) [Safety](#) [Service](#) [Planning](#) [COVID-19 Surveys](#) [Financial Updates](#) [Data & Resources](#)

Recovery Task Force

UTA has assembled a Recovery Task Force to ensure a resilient recovery from the COVID-19 pandemic. This group has been tasked with developing a customer-centric service restoration plan that recognizes the risk levels and geographic variances in our service region.

This effort examines both short-term demands and long-term outcomes with detailed focus on:

- [Ridership](#)
- [Financial Sustainability](#)
- [Rebuilding Confidence in Public Transit](#)

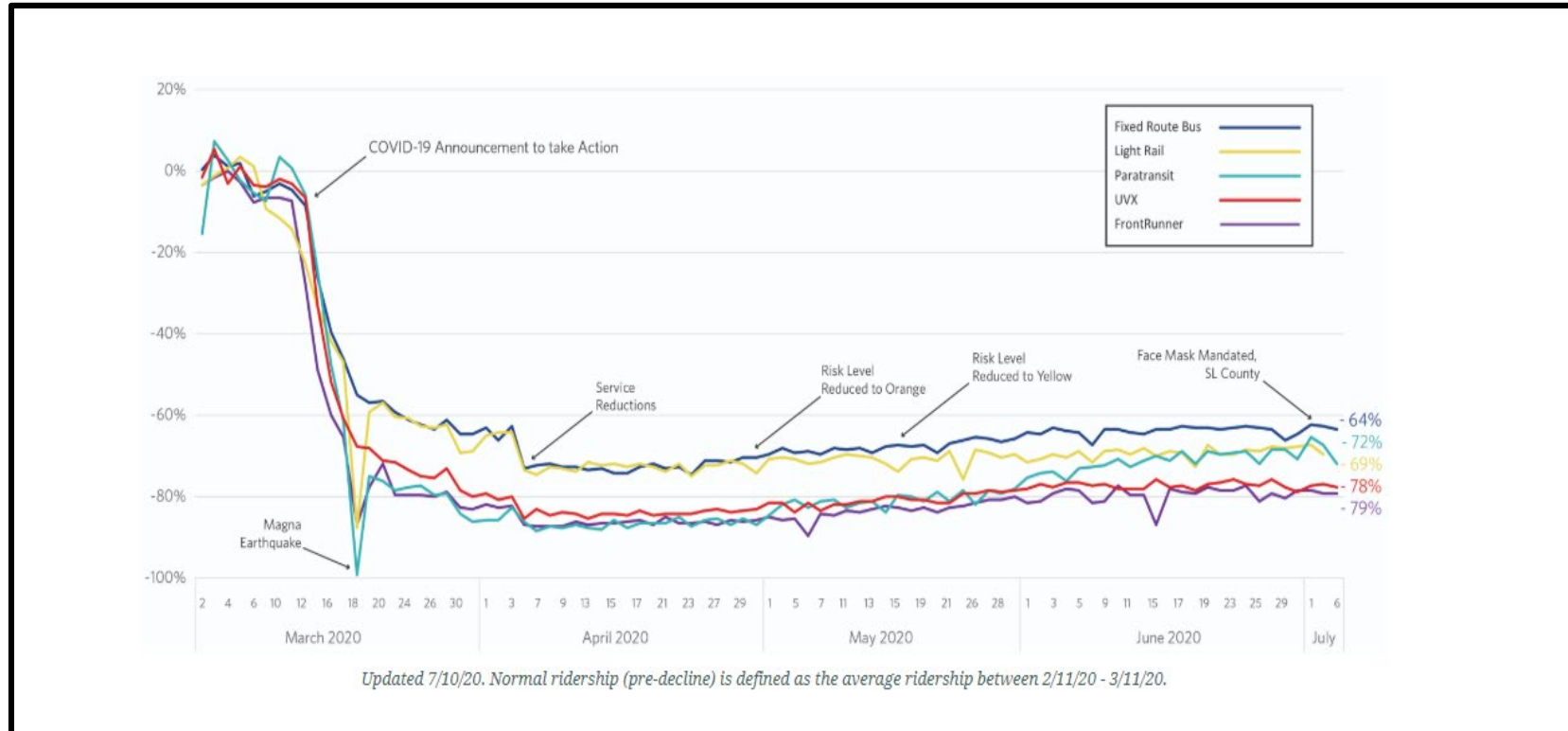
Similar to the guidelines in the Utah Leads Together 4.0 plan, our guidelines will be revised as industry practices formulate and we learn and respond to the changing environment.

[VIEW UTA RECOVERY PLAN SUMMARY](#)

UT A

RIDERSHIP - CUSTOMER CONFIDENCE - FINANCIAL SUSTAINABILITY

Ridership Snapshot Continued



- COVID-19 Announcement to act March 11th
- Added opportunity- 5.7 earthquake on March 18th
- Ridership is starting to tick up

TAM Adjustments Due to COVID-19

- Major Projects
 - Vehicle Procurements
 - Did defer a bus order
 - Others seem to be proceeding as planned
 - Other Projects
 - No real impacts
 - Proceeding as planned
- Minor Projects
 - Using CARES funding for safety improvements for operators on revenue vehicles
 - Ramping up efforts related to facility rehabs
 - Particularly concrete replacement at maintenance campuses
 - Advancing street improvements related to lane separation efforts of mixed-use lanes



TAM Keys to Success During COVID-19

- Defined Five Year Capital Plan
- Project Buckets
 - More generalized project categories or programs which provide beneficial flexibility in funding allocation
- Backlog Project List
 - Provides flexibility to reallocate funding if needed from impacted projects



JEFFREY TUMLIN

San Francisco Municipal Transportation Agency



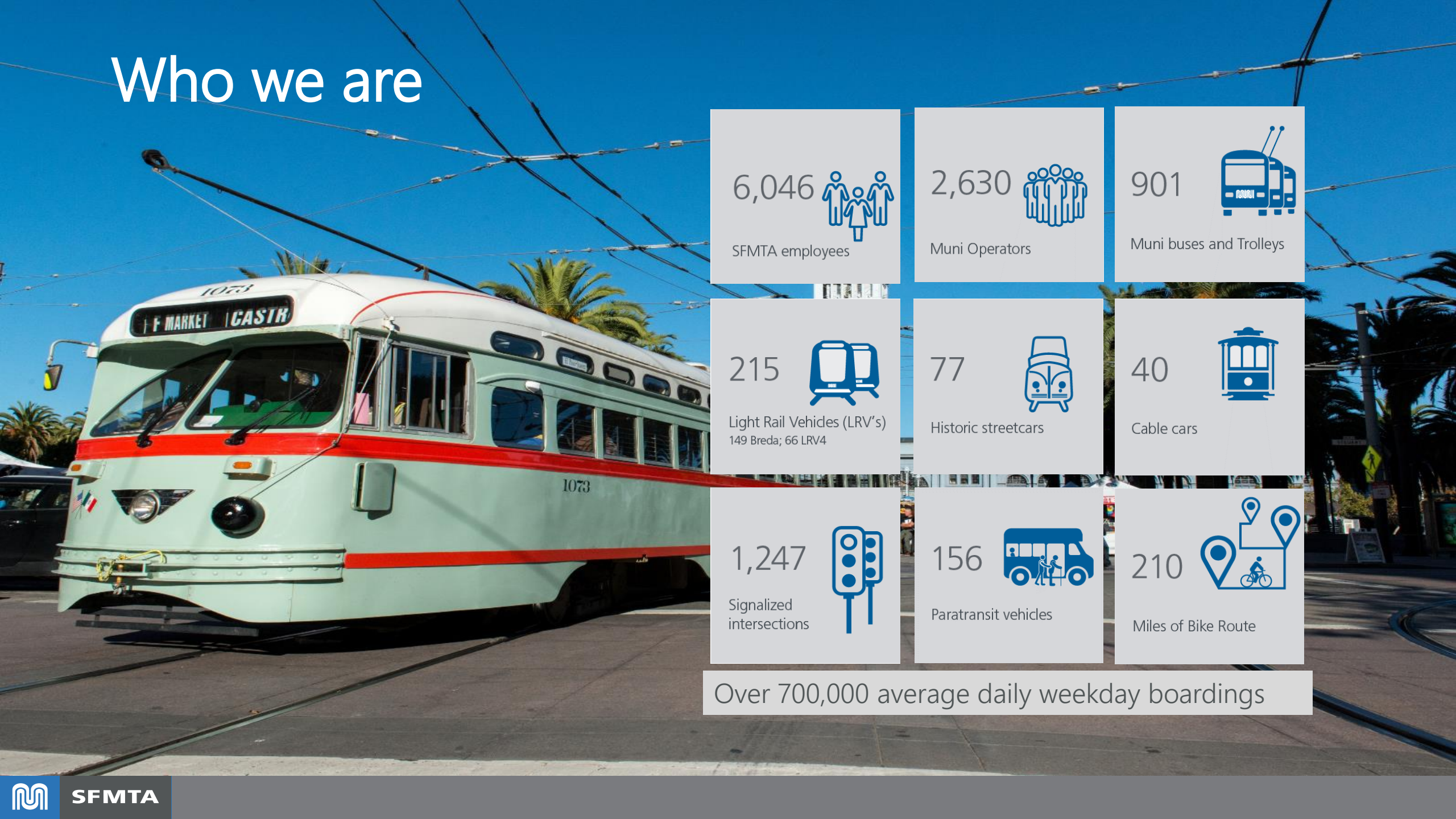


SFMTA

San Francisco Municipal Transportation Agency

FTA Asset Management Roundtable

Who we are



6,046



SFMTA employees

2,630



Muni Operators

901



Muni buses and Trolleys

215



Light Rail Vehicles (LRV's)
149 Breda; 66 LRV4

77



Historic streetcars

40



Cable cars

1,247



Signalized
intersections

156



Paratransit vehicles

210



Miles of Bike Route

Over 700,000 average daily weekday boardings

Asset Snapshot

\$14.98 Billion

Total Asset Replacement Value

\$3.2 Billion

Asset Replacement Backlog

\$2.5 Billion

Target FY 21-22 Budget

\$632 Million

Annual State of Good Repair Need

Impacts of COVID-19

FY21/22 Budget adoption process in an unprecedented environment

Suspended all light rail, cable car, and historic streetcar service

Reduced transit service to a Core Service Plan of 17 routes

Shutdown the MUNI Metro Subway and Stations

Increased vehicle cleaning, physical distancing and other protective measures

Enhanced alternative modes of travel to balance reduction in Transit services

Addressing Deferred Maintenance



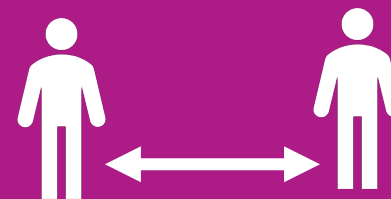
Restoring Rail Service



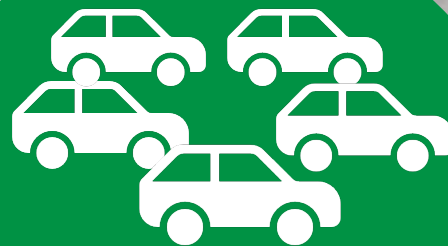
Challenges ahead



Dire Budget
Outlook



Reduced Service
/ Capacity



Traffic Congestion

Board Here
Aborde Aquí/請在此處上車/
Sumakay dito

SFMTA.com/COVID19

Thank You.



Jeffrey Tumlin
Director of Transportation
San Francisco Municipal Transportation Agency

Moderated by: John Giorgis, Director, Office of Strategic Planning and Analysis

TRANSIT AGENCY EXECUTIVE MODERATED DISCUSSION



FEDERAL TRANSIT ADMINISTRATION

Roxanne Ledesma, Interim TAM Program Manager

Mshadoni Smith, Ph.D., Chief, Analysis Division

FTA TAM PROGRAM UPDATES



FEDERAL TRANSIT ADMINISTRATION

FTA



FEDERAL TRANSIT ADMINISTRATION

Transit Asset Management

2020 Virtual TAM Roundtable
July 28, 2020



U.S. Department of Transportation
Federal Transit Administration

Today's Presentation



- Program Highlights
- TAM Today
- Technical Assistance

Program Highlights



Transit Asset Management

Highlights this Year



- TAM NTD Factsheets
- 2019 TAM Roundtables
 - Multimodal
 - Bus Operators
- TAM Program Evaluation
- TAM Webpage update
- Asset Management Guide Supplement

In the Works



- TAM Plan Self Assessment
- Research Systems Asset Category
- Research Synthesis
 - Decision Support Tool
 - Investment Prioritization Report

TAM Today



What's Next?

When you go from this



To this?



Update the Business Case



- Forecast and ensure that funds are being spent wisely
- Acknowledge that actual values will differ from forecasted predictions
- Re-evaluate targets



Be a TAMbassador



A TAM culture institutionalizes Asset Management principles and adheres to them in the agency's everyday practices.

TAM Culture Opportunities



- Rethink priorities and how things have been done
- Catch-up on deferred maintenance
- Lower costs through better lifecycle and asset management

What can TAM do for you?



- Increase Return on Investments (ROI)
- Improve reliability and reduce safety risk
- Better evaluate and manage risks
- Provide quantitative evidence (data) to tell your agency's story

Technical Assistance



Key Technical Assistance Products



- Training Courses
- Webinar Series
- Online Resources
- Future Resources

Training Courses



- [Introduction to Transit Asset Management for Tier I Providers](#) (NTI)
- [Transit Asset Management Implementation for Tier II Providers and Sponsors](#) (NTI)
- [Calculating Performance Measures and Setting Targets](#) (TSI)
- *Enhancing Your TAM Program with Lifecycle Management (NTI) Pilot: July 6-9, 2020*

Webinars



- Engaging Your TAM Stakeholders (FTA/APTA)
- In-House Tools to Support TAM
- Baseline TAM Data in the NTD (Video)
- Improving Your Asset Information and Embracing Continual Improvement (FTA/APTA)
- Workforce Planning and Development
- Multi-State Transit Technical Assistance Program
- Using NTD Data to Support TAM

The TAMPLATE is HERE



Capital Asset Inventory

****BASIC****

Asset Inventory Listing: To complete the inventory list, use the following steps:

1. On the table to the right, list all the capital assets that you own, operate, or manage that support the delivery of public transportation services. This should include leased assets, assets operated under contract, and all assets that would be included in a program of projects. You may include assets used in the provision of public transportation even if acquired without FTA funds. Complete the table and use the drop down menus where provided. An example is shown for guidance.
2. Click the **"Add More"** button only after some yellow cells are filled.
3. Be sure to click **"Finish"** when complete.
4. Click the **"Summarize"** button to populate the summary table.
5. Click **"Continue"** to proceed to the next sheet.

Asset Category/Class	Total Number	Avg Age	Avg	Avg Value
Revenue Vehicles	0	-	-	-
AB - Articulated Bus	0	-	-	-
AO - Automobile	0	-	-	-
BR - Over-the-road Bus	0	-	-	-
BU - Bus	0	-	-	-
CU - Cutoaway Bus	0	-	-	-
DB - Double Decked Bus	0	-	-	-
FB - Ferryboat	0	-	-	-
MB - Mini-bus	0	-	-	-
MV - Mini-van	0	-	-	-
RT - Rubber-tire Vintage Trolley	0	-	-	-
SB - School Bus	0	-	-	-
SV - Sport Utility Vehicle	0	-	-	-
TP - Trolleybus	0	-	-	-

Summarize

United States Department of Transportation

About DOT | Our Activities | Areas of Focus

Federal Transit Administration

TAMPLATE
Transit Asset Management
Planning Assistance Template

TAMPLATE
Transit Asset Management
Planning Assistance Template

Username / Email Address

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U.S. DEPARTMENT OF TRANSPORTATION

Federal Transit Administration
1200 NEW JERSEY AVENUE, SE
WASHINGTON, DC 20590
202-366-4043

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► Ethics
► Web Policies
► Data.gov

Transit Asset Management
Overview

Getting Started

FAQs

TAM Plans

TAMPLATE

Performance Management

TAM for Tribes

FTA Outreach Materials

TAM Events

TERM-Lite

State of Good Repair Programs >

Resources Search

Transit Asset Management



Looking for TAM Resources?

TAM Resources

Click here to view our interactive TAM Resource Table, or contact us at TAM@dot.gov.



Managing Transit Assets

Public transportation provides millions of Americans with daily access to jobs, schools, health care and other essential services.

Transit Asset Management
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Looking for TAM Resources?

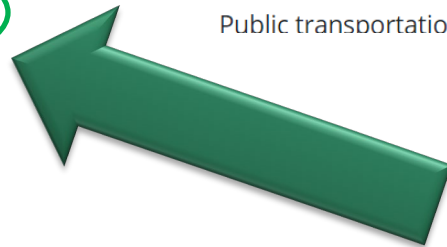
TAM Resources

Click here to view our interactive TAM Resource Table, or contact us at TAM@dot.gov.



Managing Transit Assets

Public transportation provides millions of Americans with daily access to jobs, schools, health care and other essential services.



Transit Asset Management Resource Table



The TAM Resource Table is designed to support successful agency implementation of Transit Asset Management. This table contains resources such as FTA reports, materials from webinars and roundtables, and publications from external stakeholders. Search the inventory of available resources by keyword, author, date range, or document type. View documents by clicking on resource titles.

Agencies are encouraged to submit examples of policies, processes, tools, and other resources to TAM@dot.gov for inclusion in the table. TAM Plans are also accepted, to be featured on the [APTA Transit Asset Management](https://www.apta.com/assetmanagement) site.

Keywords	Author	From	To
<input type="text"/>	<input type="text"/>	<input type="text" value="January"/> <input type="text" value="2000"/>	<input type="text" value="July"/> <input type="text" value="2020"/>
Document Type	Tag		
<input type="text" value="- Any -"/>	<input type="text" value="- Any -"/>	<input type="button" value="Apply"/>	<input type="button" value="Reset"/>

Title	Author	Document Type	Date
Using NTD Data to Support TAM	FTA	Webinar	June 2020
TAMNews - May 2020	FTA	Newsletter	May 2020
Multi-State Transit Technical Assistance Program	FTA	Webinar	March 2020
FTA FY20 Comprehensive Review Guide Section 6: Transit Asset Management	FTA	Report	March 2020
Workforce Planning and Development	FTA	Webinar	February 2020

Future Resources



- Resources for smaller agencies
- TAM Professional Capacity Building (PCB) Program
- TAM Bootcamp style course
- Advanced TAM Review

Research



- Transportation Research Board (TRB), Transit Cooperative Research Program (TCRP)
- American Association of State Highway and Transportation Officials (AASHTO), Special Committee on Research and Innovation
- American Public Transportation Agency (APTA), Research & Technology Committee

Research



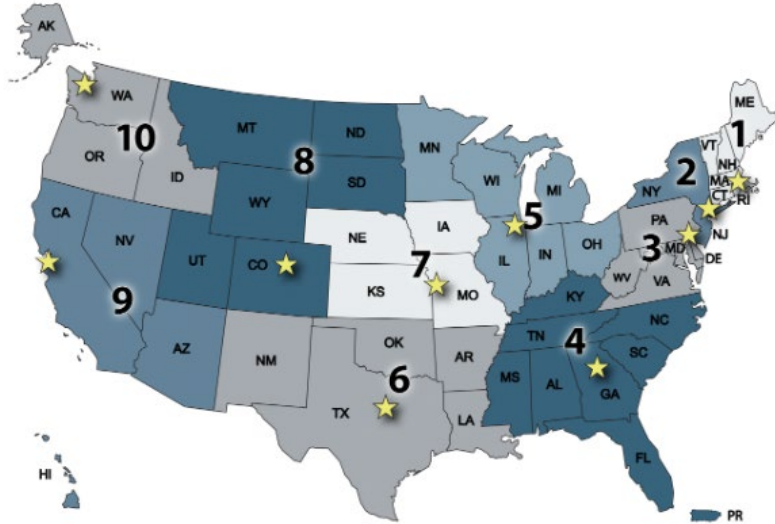
There are many research options, here is one:
SECTION 5312
PUBLIC TRANSPORTATION INNOVATION

One of the Categories:
**Asset Maintenance and
Repair Systems Advancement...**

Stay on the cutting edge of new developments
that improve public transportation capital investments.



TAM Contacts



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	Cecilia Godfrey-Crenshaw
6	Lynn Hayes
	Eddie Chavarria
7	Bill Kalt
	Jeremiah Shuler
8	Ranae Tunison
9	Susan Ko
10	James "Steve" Saxton
	Jeremy Borrego

Questions and Feedback



- Training needs?
- Resource needs?
- Ideas?
- Email us! TAM@dot.gov



TRANSIT
ASSET
MANAGEMENT

Post-Event Evaluation



We value your feedback! Please complete a brief Post-Event Evaluation for today's Roundtable, using the website or QR code below. The link will also be posted in the chat pod.

<https://www.surveymonkey.com/r/TAMRT>

