



# Measure M Independent Taxpayer Oversight Committee

Enterprise Transit Asset Management  
*State of Good Repair*



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# Transit Asset Management (TAM)

*“TAM is a business model that uses condition of assets to guide optimal prioritization of funding at transit properties in order to keep our transit networks in a State of Good Repair” --- FTA*

## **Per FTA’s TAM Rulemaking – A Capital Asset is in a State Of Good Repair if it Meets The Following Objective Standards:**

- The capital asset is able to perform its designed function;
- The use of the asset in its current condition does not pose an identified unacceptable safety risk; and
- The life-cycle investment needs of the asset have been met or recovered, including all scheduled maintenance, rehabilitation, and replacements.

## **Metro’s TAM Policy Defines**

**An SGR asset as** one that is currently in use in operation and its rehabilitation or replacement needs shall be included in the asset inventory.

**An SGR capital project involves** rehabilitating or replacing an existing asset. *Excluded from this definition are capital projects for capacity enhancements or expansions to existing projects or new services.*



# TAM Inventory Database Overview

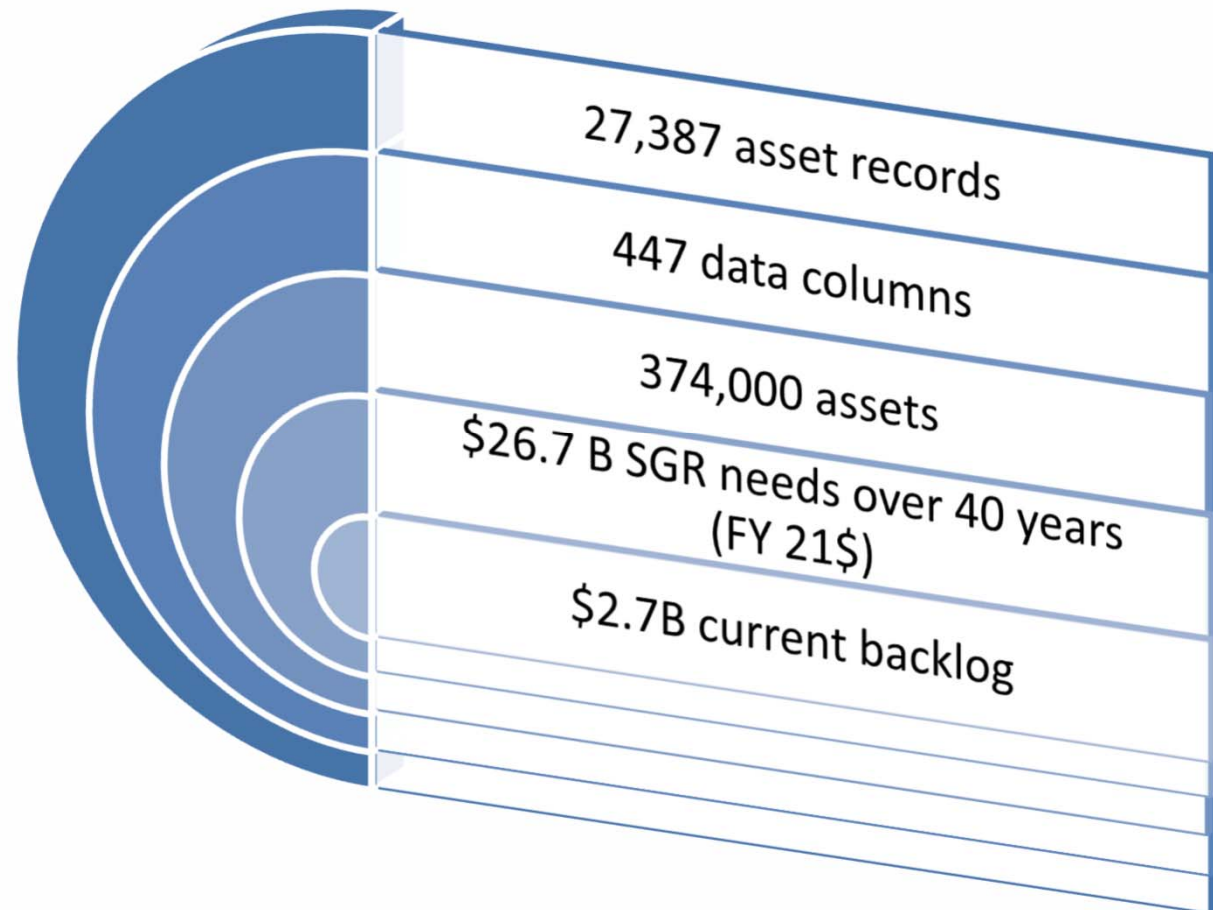
## Database Statistics

As of 11/06/2020

Reported updated FY20 asset data into National Transit Database (NTD) 11/6/2020 on time

Inventory \$19.2B - Continual gathering of information

Backlog: Assets overdue for replacement or rehabilitation



# Federal Transit Administration (FTA) Reporting Requirements

	FTA Asset Class	Performance Measure based on 49 CFR Part 625	FY20 Actual (6/30/20)	FY21 Target Forecast (6/30/21)
Rolling Stock	40-ft Buses (BU)	625.43(b): Rollingstock. The performance measure for rolling stock is the percentage of revenue vehicles within a particular asset class that have either met or exceeded their useful life benchmark.	16%	15%
	Articulated Buses (AB)		80%	47%
	Light Rail Vehicles (LR)		0%	0%
	Heavy Rail Vehicles (HR)		0%	0%
Equipment	Automobiles	625.43(a): Equipment: (non-revenue) service vehicles. The performance measure for non-revenue, support-service and maintenance vehicles equipment is the percentage of those vehicles that have either met or exceeded their useful life benchmark.	26%	26%
	Trucks and Other Rubber Tire Vehicles		39%	37%
	Steel Wheel Vehicles		25%	20%
Facilities	FTA Asset Class	Performance Measure based on 49 CFR Part 625	FY20 Actual <sup>1/</sup>	FY21 Target
	Passenger Facilities (stations & parking)	625.43(d): Facilities. The performance measure for facilities is the percentage of facilities within an asset class, rated below condition 3 ("Adequate") on the TERM scale.	0%	0%
Administration & Maintenance Facilities	0%		0%	
Infrastructure	FTA Asset Class	Performance Measure based on 49 CFR Part 625	FY20 Actual	FY21 Target <sup>2/</sup>
	Heavy Rail (HR)	625.43(c): Infrastructure: rail fixed-guideway, track, signals, and systems. The performance measure for rail fixed-guideway, track, signals, and systems is the percentage of track segments with performance restrictions.	0.4%	0.3%
	Light Rail (LR)		3.0%	2.4%

<sup>1/</sup>FY20 Facility Performance Measure includes the facilities assessed in FY18 and FY19.

<sup>2/</sup>FY21 Infrastructure Performance Measure forecast is 80% of FY20 actual performance measure.



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# FTA TAM Requirements Accomplished

The following has been accomplished by Metro's Enterprise Transit Asset Management (ETAM) staff:

- The Group Plan was completed and the uniform performance targets were reported to the FTA through the National Transit Database (NTD) by October 31, 2020.
- The TAM performance measures for the preceding fiscal year and new targets were reported to the FTA's NTD by November 6, 2020.
- Southern California Association of Governments (SCAG) has been provided Metro's updated TAM Plan and the NTD performance and target data for their regional TAM reporting.

	Current Estimated Replacement Cost	Current Backlog
Facilities	\$ 7,027,139,595	\$ 536,274,808
Equipment	\$ 133,430,113	\$ 45,404,749
Infrastructure	\$ 8,040,365,128	\$ 1,073,658,431
Rolling Stock	\$ 4,007,159,069	\$ 1,020,577,656
Metro Overall	\$ 19,208,093,905	\$ 2,675,915,644





# Transit Asset Management - Next Steps

## **Support implementation of new Enterprise Asset Management System**

- Work with Operations and ITS to procure and implement software
- Coordinate onboarding process for new assets from new projects

## **ETAM, Operations and OMB to integrate asset inventory into capital project prioritization process**

- Include identification of asset replacements in capital project proposals to OMB
- Update backlog with funded FY21 data

## **Continue Condition Assessments:**

- Facilities
- Structures
- Fire Life Safety Systems

## **Provide input on development of SGR Capital Projects for FY22 Budget**

- Provide current asset replacement needs to Operations for project proposals
- Provide SGR needs to long range planning and OMB for funding levels
- Include identification of asset replacements in capital project proposals to OMB
- Update backlog and SGR need with funded FY21 data

## **October 31, 2021 FTA compliance deadline:**

- Upload data into National Transit Database (NTD) for multiple forms
- Provide clarification as needed by the FTA on Performance measures and targets on FY20 upload of data. Two rounds of clarification to date.



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Thank you!

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