



Metro

Los Angeles County  
Metropolitan Transportation  
Authority  
One Gateway Plaza  
3rd Floor Board Room  
Los Angeles, CA

## Board Report

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**File #:** 2021-0512, **File Type:** Oral Report / Presentation

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**MEASURE M INDEPENDENT TAXPAYERS OVERSIGHT COMMITTEE  
SEPTEMBER 1, 2021**

**SUBJECT:** Oral Report on State of Good Repair

**ACTION:** ORAL REPORT

**RECOMMENDATION**

RECEIVE Oral Report on State of Good Repair

# 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**

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

**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

## Asset Database Statistics – as of Nov. 2020 NTD update

**28,307 asset records tracking over 520,000 assets**

**\$26.7 B SGR needs over 40 years (FY21\$)**

**\$19.2B Asset Replacement Value (FY20\$)**

**\$2.7B Current Backlog (FY20\$)**

- Reported updated data into National Transit Database (NTD) 11/6/2020 - on time
- Next NTD update due is October 31, 2021
- Inventory \$19.2B – Will be updated after validation of data received for close of FY21
- Backlog: Assets overdue for replacement or rehabilitation



# Federal Transit Administration (FTA) Reporting Requirements FY20

FTA TAM Performance Measures / Targets				Based on FY20 Census Date (6/30/2020)			
Asset Class	On 6/30/2020	Performance Measure based on 49 CFR Part 625	FY21 Target (reported to FTA)	Total Asset Count	Exceeded ULB	Average Age	
<b>Rolling Stock</b>	Articulated Bus (AB)	80.00%	625.43(b): Rolling stock. 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.	46.59%	370	296	11.3
	Bus (BU)	16.26%		15.12%	2,177	354	8.1
	Heavy Rail Vehicles (HR)	0.00%		0.00%	102	0	23.5
	Light Rail Vehicles (LR)	0.00%		0.00%	302	0	7.8
<b>Equipment</b>	Automobiles	25.63%	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.	25.47%	480	123	6.4
	Trucks and Other Rubber Tire Vehicles*	38.71%		37.41%	961	372	9.2
	Steel Wheel Vehicles**	25.00%		20.00%	8	2	8.6
<b>Facilities</b>	Asset Class	On 6/30/2020	Performance Measure based on 49 CFR Part 625	FY21 Target (reported to FTA)	Total Asset Count	Locations Below TERM Condition 3	
	Passenger Facilities (Stations & Parking)	0.00%	625.43(d): Facilities. The performance measure for facilities is the percentage of facilities within an asset class, rated below condition 3 on the TERM scale.	0.00%	247	0	
	Administration & Maintenance Facilities	0.00%		0.00%	145	0	
<b>Infrastructure</b>	Asset Class	On 6/30/2020	Performance Measure based on 49 CFR Part 625	FY21 Target (reported to FTA)	Total Revenue Track	Average Performance Restriction	
	Heavy Rail (HR)	0.35%	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.	0.28%	31.84 miles	0.11 miles	
	Light Rail (LR)	2.96%		2.36%	171.73 miles	5.08 miles	



# FTA TAM Requirements - Accomplished

## **Metro's Enterprise Transit Asset Management (ETAM) staff accomplished:**

- All FTA FY20 National Transit Database (NTD) reporting requirements were fulfilled on time including: the Group Plan with the uniform performance targets; the TAM performance measures and targets were reported; and 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.

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

- ETAM supported Phase I procurement.
- ETAM staff participating as Sponsor and Subject Matter Expert (SME) to procure and implement software Phase II – anticipated award Fall 2021.
- Coordinate and standardize an onboarding process for new assets from new capital projects

## **Continue Condition Assessments:**

- Structures (Inspections) – continue coordination of track allocation to gain access to tunnels and bridges maintaining compliance with the CPUC-CA Public Utilities Commission regs
- Fire Life Safety Systems – continue coordination with Operations to gain access to areas where FLS Systems are present to assess conditions.



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# Transit Asset Management - Next Steps

## **Initiate next 4-year cycle of Facilities Condition Assessments**

- Finalize Scope of Work
- Award by FY22 Q3

## **Provide input on development of SGR Capital Projects for FY23 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 FY22 data

## **October 31, 2021 - FTA TAM Rulemaking compliance deadline:**

- Held Technical Working Group meetings with Operations' asset managers including Micro Transit, to update asset information for 6/30/2021 reporting.
- July - Collected data
- August – Validate information with asset owners
- September – Formulate Performance Measures and Targets information, Written Narrative
- October – Receive Executive Approval
- Upload data into National Transit Database (NTD) for multiple asset reports
- Group TAM Plan update underway, coordinating with 34 sub-recipient transit agencies who participate



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Thank you!

Denise Longley  
Enterprise Transit Asset Management  
*State of Good Repair*



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