

## Appendix E, Addendum 2: Performance Based Planning and Programming - Transit Asset Management

The two most recent federal transportation laws, MAP-21 and FAST Act, establish performance measure requirements to ensure states and metropolitan planning organizations (MPOs) are investing transportation funds in projects that collectively will contribute towards the achievement of national goals. The USDOT recently published new rules for states and MPOs to collect data and establish performance targets that will support performance and outcome-based investment decisions.

The new federal performance measurement requirement for transit agencies focuses on one area: transit asset management (TAM). The measures look specifically at the percentage of revenue vehicles that have exceeded their Useful Life Benchmark (ULB), the percentage of non-revenue and service vehicles that have exceeded their ULB, and percentage of facilities with a condition below 3.0 on the Federal Transit Administrator’s Transit Economic Requirements Model (TERM) Scale. All transit agencies receiving grants from the FTA are required to complete a TAM plan. The FTA has established two tiers of agencies based on size parameters.

- A Tier I agency operates rail, OR has 101 vehicles or more all fixed route modes, OR has 101 vehicles or more in one non-fixed route mode.
- A Tier II agency is a sub-recipient of FTA 5311 funds, OR is an American Indian Tribe, OR has 100 or less vehicles across all fixed route modes, OR has 100 vehicles or less in one non-fixed route mode.

The first completed TAM plan must be sent to the National Transit Database (NTD) by October 1, 2018. Other required deadlines are found in the table below.

**Table 1: Transit Agency Deadlines for TAM Rulemaking for June-July Fiscal Year**

Reporting Activity	Reporting Deadline
Complete compliant TAM Plan	October 1, 2018
Report FY18 asset data to NTD Submit FY19 targets to NTD	October 1, 2018
Report FY19 asset data to NTD Submit FY20 targets to NTD Submit narrative report to NTD	October 1, 2019
Report FY20 asset data to NTD Submit FY21 targets to NTD Submit narrative report to NTD	October 1, 2020
Complete updated TAM Plan	October 1, 2022

The Department of Rail and Public Transportation (DRPT) has opted to sponsor a group TAM plan for Tier II providers. Tier I providers are not eligible for group plans.

For Tier I agencies, any Transportation Improvement Program (TIP) or Metropolitan Transportation Plan (MTP) adopted after October 1, 2018 will be in compliance with the TAM Plans developed by the Tier I transit providers within the MPO as well as the regional performance measures adopted by the MPO as a whole. The performance measurements and targets for Tier I plans can be found in each agency’s individual TAM plan and applicable TIPs. The following is the listing of MPOs whose TIPs will contain the regional TAM Plans:

<http://www.richmondregional.org/TPO/>

<https://www.hrtpo.org/>

<https://www.mwcog.org/>

<https://www.fampo.gwregion.org/>

For Tier II providers under the DRPT Group Plan, any TIP document or MTP adopted after October 1, 2018 will be in compliance with the TAM Plans developed by DRPT and adopted by the Tier II transit providers within the MPO as well as the regional performance measures adopted by the MPO as a whole. The performance measurements and the targets are as follows for the DRPT Group Plan:

<b>Asset Category - Performance Measure</b>	<b>Asset Class</b>	<b>2018 Target</b>	<b>2019 Target</b>
<b>Revenue Vehicles</b>			
Age - % of revenue vehicles within a particular asset class that have met or exceeded their Useful Life Benchmark (ULB)	AB - Articulated Bus	20%	15%
	BU - Bus	10%	10%
	CU - Cutaway	10%	10%
	MB - Minibus	25%	20%
	BR - Over-the-Road Bus	20%	15%
	TB - Trolley Bus	10%	10%
	VN - Van	25%	25%
<b>Equipment</b>			
Age - % of vehicles that have met or exceeded their Useful Life Benchmark (ULB)	Non Revenue/Service Automobile	25%	25%
	Trucks and other Rubber Tire Vehicles	25%	25%
<b>Facilities</b>			
Condition - % of facilities with a condition rating below 3.0 on the FTA TERM Scale	Administrative and Maintenance Facility	10%	10%
	Administrative Office	10%	10%
	Maintenance Facility	10%	10%
	Passenger Facilities	10%	10%

The planning process for each MPO in the Commonwealth of Virginia will integrate, either directly or by reference, the goals, objectives, performance measures, and targets described in the applicable Tier I and Tier II group plans.

Since 2014, DRPT has used a tier-based prioritization system to award state capital funding. Once an application is approved as appropriate and necessary, state funding is awarded based on the type of asset being purchased. The tier matching rates are as follows: revenue rolling stock, 68%; infrastructure, 34%; and other, 17%. This process allows DRPT to prioritize funding of revenue rolling stock over other types of assets. Funding is awarded on an annual basis, and state fiscal year 2019 will be the final year that the tier-based prioritization system will be used.

DRPT is in the process of developing a project based prioritization process, as required by new state legislation passed in 2018, for prioritizing the allocation of capital funding. The new process will be utilized for the award of state capital funding beginning in state fiscal year 2020. This new system will be presented to DRPT's governing board, the Commonwealth Transportation Board (CTB), in October 2018. This new process will set aside at least 80% of capital funding available to address State of Good Repair (SGR) needs. The CTB will have the discretion to allocate up to 100% of the available state capital funding to meet SGR needs. Any remaining funds will be used to fund minor enhancements and major expansion projects. DRPT will be scoring SGR applications based on a combination of age and condition of the asset, as well as the impact of the asset on service quality. For vehicles, the age/condition points will be split between age and mileage. DRPT anticipates that replacement rolling stock will continue to be the largest portion of the annual program of projects.