

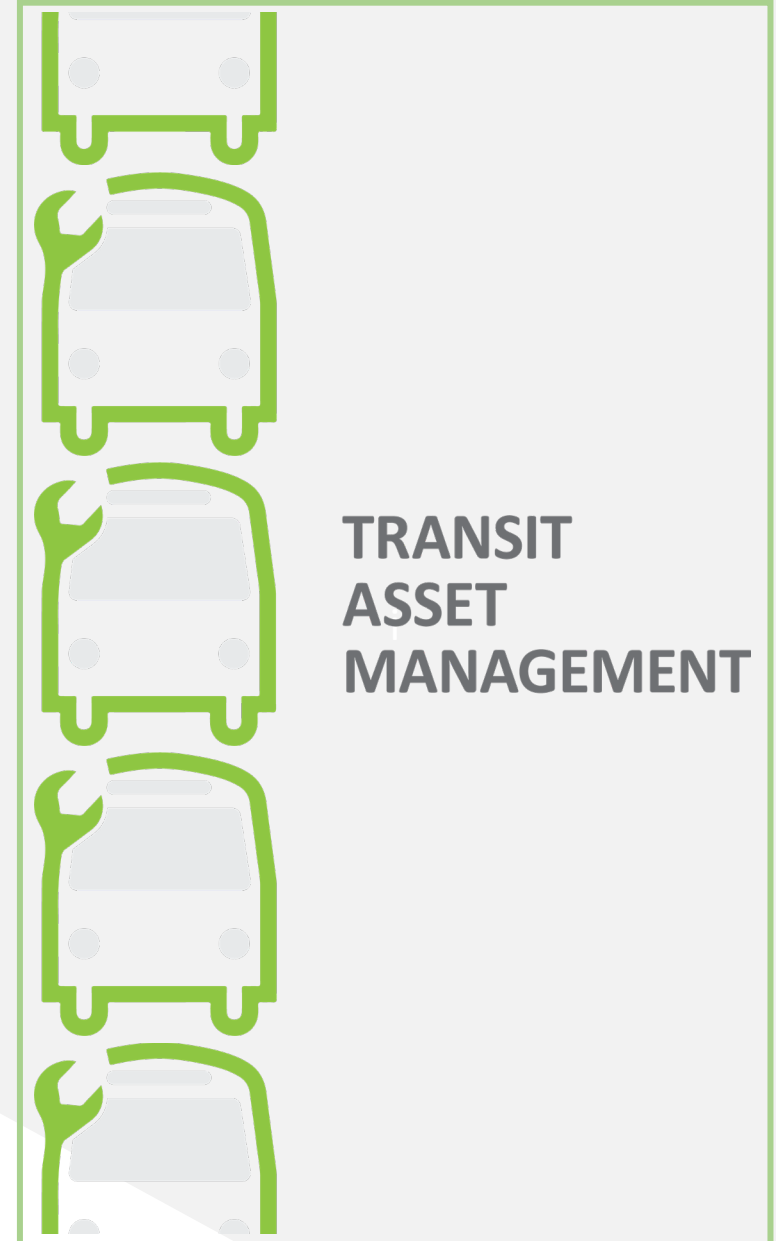
Integrating TAM Data into National Transit Database (NTD) Reporting

Chelsea Champlin, FTA NTD Program
Mitchell Rose, SEPTA

4/2/2024

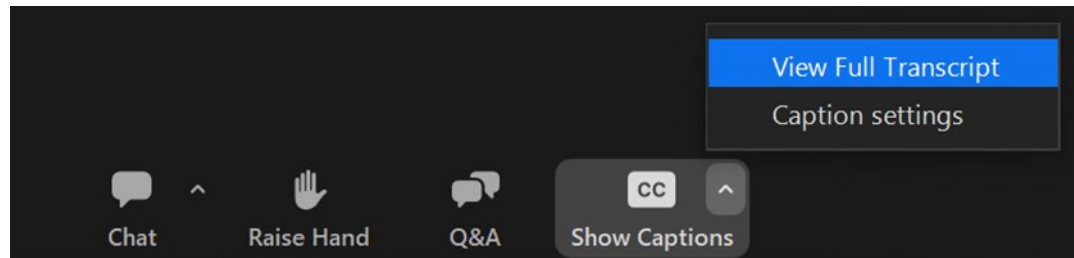


U.S. Department of Transportation
Federal Transit Administration



Event Logistics

- Presentation will be available at www.transit.dot.gov/TAM -> TAM Events
- This Webinar is being recorded and will be posted to the FTA TAM website
- Questions should be submitted using the Q&A feature
- The chat feature will not be monitored for questions
- Some questions may not get published due to time constraints
- Closed captioning is available by clicking “Show Captions”, then selecting “View Full Transcript”



FTA Speaker

Chelsea Champlin

National Transit Database Program Manager
Federal Transit Administration



Transit Asset Management (TAM) Webinar Series

**Best Practices & Program Improvements
for the National Transit Database (NTD)**

Chelsea Champlin, NTD Program Manager
April 2, 2024



U.S. Department of Transportation
Federal Transit Administration





Federal Transit Administration
U.S. Department of Transportation

Office of Budget and Policy



National Transit Database 2023 Policy Manual

FULL REPORTING

What is the National Transit Database?

Congress established the NTD to be the Nation's primary source for information and statistics on all public transportation modes of the United States.

Who reports, and why?

Per 49 U.S.C. 5335(a), all recipients, subrecipients, and beneficiaries of FTA Chapter 53 funding must submit data to the NTD.

How is the data used?

NTD data is used for performance measurement benchmarking, policy analysis and research, reports to Congress, and allocating federal funds.



Collection, Validation, and Publication

Compiling the data

Reports are collected through the Appian system using a series of fillable forms.

Validating what is entered

Checks are built into the system or conducted manually to verify the accuracy of reported data and strive toward data integrity.

Polishing and publishing

Everything is collected, cleaned and produced for online public consumption.





Updated Requirements in RY 2023

ANNUAL MONTHLY SAFETY PROFILE WEEKLY

[Clear Filters](#)

- 2020 Census Changes www.transit.dot.gov/census
- Reporting of Transit Worker Assaults and Bus Collisions
- Geographic Service Area Coverage
- Weekly Reference Reporting
- Emergency Point-of-Contact
- Vehicle Fuel Type

Webinar on RY 2023 Reporting Changes www.youtube.com/watch?v=skVCYKjofYg

Program Improvements



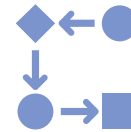
Expanded NTD training available

Rural, tribal, and safety and security courses



Data product improvements

For interoperability, mappability, accessibility



Prioritizing updates to validation rules

Adding checks, adjusting thresholds, or deactivating



Asset form design improvements

A-15, A-30, and link to view Previous Year Data

NTD and TAM are Connected

Data collected through NTD includes transit asset information

- The Asset forms tell us about the age and condition of vehicles and facilities
- All agencies must comply with both NTD and TAM

Consider how asset information from peer agencies could inform your TAM plan

- Performance targets against industry benchmarks
- Understand investment patterns and priorities



Strategies for Effective Reporting



1. Understand the Requirements
2. Develop a Data Collection and Management System
3. Document and Develop Standard Operating Procedures
4. Use Technology and Automation (Where Appropriate and Applicable)
5. Leverage Available Resources

Resources & Reference

NTD Website

- <http://www.transit.dot.gov/ntd>
- Reporting manuals, Uniform System of Accounts (USOA), published data products, glossary of terms, FAQs, and more
- Published recordings of [training webinars](#) for review

NTD Training Courses

- Offered through [National Transit Institute](#)

Points of Contact for Questions

- NTD Program Support (Non-Technical): NTDHelp@dot.gov
- NTD Interface (Technical Support): FTAITHelpDesk@dot.gov
- NTD Program Manager: Chelsea.Champlin@dot.gov



U.S. Department of Transportation
Federal Transit Administration

SEPTA Speaker

Mitchell Rose

Operating Budget Specialist
Southeastern Pennsylvania Transportation Authority
(SEPTA)





Integrating TAM Data into NTD Reporting

April 2, 2024



- **Established in 1964**
 - Formed out of the remains of multiple public transportation companies originally started in 1831.

- **One of the Largest Transit Agencies in the Country**
 - Over \$6B in assets
 - \$1.71B Operating Budget
 - Operate 7 different modes and types of service
 - 197M Unlinked Passenger Trips in Fiscal Year 2023



May – Request information from various departments

July-August – Receive information and perform analyses

- Resolve initial issues with data submitters

September – Input data into NTD

- Respond to NTD generated issues
- Request additional information from departments

October – Original Submission of NTD Report



NTD Process

Data Request

<u>Preparer</u>	<u>Division</u>	<u>Form</u>	<u>Mode</u>	<u>Line</u>	<u>Due Date</u>
R. Stewart / T. Hassell	Operations	S-10	MB-PT	ALL	7/28/2023
		B-30	MB-PT	ALL	7/28/2023
		A-10	MB-PT	Maintenance Facilities	7/28/2023
		A-30	MB-PT	ALL	7/28/2023
		R-20	MB-PT	Major & Other Failures	7/28/2023
A. Parmar /	Finance	S-10	CR, SR, HR, MB, TB	Services Consumed	8/15/2023
C. Rotella / M. Seonia		D-10	CR, SR, HR, MB, TB	Sampling Methods	8/15/2023
K. Benson / J. Coppedge	Operations	A-30	CR, SR, HR, MB, TB	Revenue Vehicle Fleets	7/14/2023
		S-10	CR, SR, HR, MB, TB	VAMS	7/14/2023
D. Heim	Veh Equip	A-35	ALL	ALL	7/14/2023
D. Sandiford / B. Gohel	Finance	S-10*	MB-DO, MB-PT	Services Consumed*	7/15/2023
M. Savage	Finance	F-10 Capital	ALL	ALL	9/5/2023
		F-20	ALL	ALL	9/6/2023
C. Schukin / J. Smith	Operations	A-10	DR-PT	Maintenance Facilities	7/14/2023
		A-30	DR-PT	Revenue Vehicle Fleets	7/28/2023
		S-10	DR-PT	Maximum Service Vehicles	7/28/2023
		R-20	DR-PT	Revenue Vehicle -	7/28/2023
				Mechanical System Failures	
D. Shermeka	Finance	F-10	ALL (except Capital)	ALL	9/6/2023
B. Parsons / S. Ward / S. Blackshear	IT	R-10	CR, SR, HR, MB, TB	Work Hours Report	7/28/2023
D. Zagorski / M. Savage	Finance	B-30	CR (DTC)	Billing sheets for DTC	7/28/2023
K. Riffle / L. Zale	EM&C	A-10	ALL	Stations & Facilities	7/14/2023
		A-15	ALL	TAM Facilities	7/28/2023
		A-20	ALL	Transit Way Mileage	7/28/2023
		A-90	ALL	Performance Measure Targets	8/31/2023
		P-40	ALL	Reportable Segments	7/14/2023



NTD Internet Reporting		Stations and Maintenance Facilities (A-10)			CRDO	
NTD ID:	3019	Agency Name:	SEPTA	Report: RY2023		
FY2023						
Passenger Stations		# of Facilities	Diff	% Chg		
Americans with Disabilities Act of 1990 (ADA) accessible		76	0	0.00%		
Americans with Disabilities Act of 1990 (ADA) non-accessible		80	0	0.00%		
Total Stations		156	0	0.00%		
Elevators		44	0	0.00%		
Escalators		22	0	0.00%		
Maintenance Facilities						
			Leased from Another Public Agency	Leased from a Private Entity		%
General Purpose Maintenance Facilities		Owned	Agency	Entity	Total	Chg
Serving under 200 vehicles		2.0	0.0	0.0	2.0	0.00%
Serving 200 - 300 vehicles		3.0	0.0	0.0	3.0	0.00%
Serving more than 300 vehicles		0.0	0.0	0.0	0.0	0.00%
Number of Heavy Maintenance Facilities		0.9	0.0	0.0	0.9	1.11%
Total Maintenance Facilities		5.9	0.0	0.0	5.9	0.17%



Stations

	Totals				# of Stations
	ADA	Esc	Ele	M-M	
Commuter Rail	76	22	44	30	156
Streetcar Rail	2	1	4	6	59
Heavy Rail	42	36	89	16	75
Bus Transfer Centers	18	0	0	0	21
Total	138	59	137	52	311

Station Type	Line	Station Name	ADA	Esc	Ele	M-M	Notes
Commuter Rail	Market-Frankford	11th Street				1	
Commuter Rail	Green Line	13th Street	1	1	2	1	
Commuter Rail	Market-Frankford	13th Street	1		2	1	
Commuter Rail	Market-Frankford	15th Street	1	2	6	1	only 5 elevators listed in the asset export
Commuter Rail	Green Line	15th Street EB				1	
Commuter Rail	Green Line	15th Street WB				1	
Commuter Rail	Green Line	19th Street					
Commuter Rail	Green Line	22nd Street					
Commuter Rail	Market-Frankford	2nd Street	1	1	2		
Commuter Rail	Center City	30th St.	1	3	3	1	
Commuter Rail	Green Line	30th Street	1		2	1	



Maintenance Facilities			
Mode: CR DO			
Maintenance Facilities (Form S-10)			
Line	General Purpose Maintenance Facilities	Owned	Location
07	Serving Under 200 Vehicles	2.0	Frazer, Liberty
08	Serving 200-300 Vehicles	3.0	Overbrook, Roberts, Wayne
09	Serving more than 300 Vehicles	0.0	
10	Number of Heavy Maintenance Facilities	0.9	Combination of Various Back Shops Below
11	Total Maintenance Facilities	5.9	
Mode: HR DO			
Maintenance Facilities (Form S-10)			
Line	General Purpose Maintenance Facilities	Owned	Location
07	Serving Under 200 Vehicles	4.0	69th Street Car House, Bridge Street, Fern Rock Car House, Norristown
08	Serving 200-300 Vehicles	0.0	
09	Serving more than 300 Vehicles	0.0	
10	Number of Heavy Maintenance Facilities	1.6	Combination of Various Back Shops Below
11	Total Maintenance Facilities	5.6	



Facility ID	Name	Lat	Long	Condition Assessment	Est.Date of Condition Assessment	Primary Mode	Facility Type	Year Built or Reconstructed as New	Square Feet	Parking Spaces	Transit Agency Capital Responsibility (%)	Notes
4482	49th Street	39.94361	-75.21644	3	3/15/2022	CR - Commuter Rail	At-Grade Fixed Guideway Station	1999	7,680		100	
4483	69th Street Car Shop	39.96415	-75.26039	4	4/13/2021	HR - Heavy Rail	Maintenance Facility (Service and Inspection)	2002	400,000		100	
4484	69th Street Motor Shop	39.96341	-75.25978	3	4/13/2021	HR - Heavy Rail	Maintenance Facility (Service and Inspection)	1989	35,000		100	
4485	Allegheny	40.00337	-75.17317	3	4/23/2021	MB - Bus	Maintenance Facility (Service and Inspection)	1986	208,000		100	
4486	Berridge	40.02112	-75.12924	3	4/19/2021	MB - Bus	Maintenance Facility (Service and Inspection)	1955	475,000		100	
4487	Bridge Street	40.026	-75.07784	3	4/20/2021	HR - Heavy Rail	Maintenance Facility (Service and Inspection)	1950	45,000		100	
4488	Broad & Lehigh	39.9936130	-75.1538920	3	4/23/2021	CR - Commuter Rail	Other, Administrative & Maintenance (describe in Notes)	1986	14,000		100	This facility handles maintenance for track, bridges and buildings.
4489	Bustleton	40.0275310	-75.0756170	3	4/21/2021	MB - Bus	Other, Administrative & Maintenance (describe in Notes)	1950	30,000		100	This facility maintains utility vehicles, elevators and escalators.
4490	Callowhill	39.96696	-75.23671	3	4/21/2021	MB - Bus	Maintenance Facility (Service and Inspection)	1913	213,000		100	
4491	Comly	40.03082	-75.07432	3	4/21/2021	MB - Bus	Maintenance Facility (Service and Inspection)	1921	105,000		100	
4492	Courtland	40.0209700	-75.1305600	2	4/19/2021	MB - Bus	Other, Administrative & Maintenance (describe in Notes)	1952	53,000		100	Service vehicle repair and track support.
4493	Elmwood	39.91468	-75.24296	3	4/20/2021	SR - Street Car Rail	Maintenance Facility (Service and Inspection)	1962	200,000		100	
4494	Fern Rock Car House	40.03976	-75.13785	3	4/22/2021	HR - Heavy Rail	Maintenance Facility (Service and Inspection)	1955	100,000		100	
4495	Fern Rock Shop	40.04045	-75.13788	3	4/22/2021	HR - Heavy Rail	Maintenance Facility (Service and Inspection)	1955	250,000		100	
4496	Frankford	40.02381	-75.07886	3	4/21/2021	MB - Bus	Maintenance Facility (Service and Inspection)	1999	102,000		100	
4497	Frazer	40.03468	-75.56273	3	4/23/2021	CR - Commuter Rail	Maintenance Facility (Service and Inspection)	1986	200,000		100	
4498	Frontier	40.10259	-75.30401	3	4/15/2021	MB - Bus	Maintenance Facility (Service and Inspection)	1950	45,000		100	



Mode	Service	Guideway Elements	N/A	Count	Track Miles	Expected Service Years When New	Percent Agency Capital Responsibility (%)	Agency with Shared Responsibility	Other Description	Notes	Allocation Unit
CR	DO	1. At-Grade/Ballast (including expressway)			590.59	200	60	Other	Amtrak	Capital responsibility shared with Amtrak.	%
CR	DO	2. At-Grade/In-Street/Embedded	NA								
CR	DO	3. Elevated/Retained Fill	NA								
CR	DO	4. Elevated/Concrete			2.01	100	97	Other	Amtrak	Capital responsibility shared with Amtrak.	%
CR	DO	5. Elevated/Steel Viaduct or Bridge			5.52	75	100				%
CR	DO	6. Below-Grade/Retained Cut			0.72	200	100				%
CR	DO	7. Below-Grade/Cut-and-Cover Tunnel			9.26	200	100				%
CR	DO	8. Below-Grade/Bored or Blasted Tunnel	NA								
CR	DO	9. Below-Grade/Submerged Tube	NA								
CR	DO	10. Substation Building		45		30	68	Other	Amtrak	Capital responsibility shared with Amtrak.	Quantity
CR	DO	11. Substation Equipment				30	68	Other	Amtrak	Capital responsibility shared with Amtrak.	%
CR	DO	12. Third Rail/Power Distribution	NA								%
CR	DO	13. Overhead Contact System/Power Distribution				30	100				%
CR	DO	14. Train Control & Signaling				40	100				%
CR	DO	15. Tangent – Revenue Service			470.49	37	60	Other	Amtrak	Capital responsibility shared with Amtrak.	
CR	DO	16. Curve – Revenue Service			4.71	15	100				
CR	DO	17. Non-Revenue Service			132.9	200	100				
CR	DO	18. Revenue Track – No Capital Replacement Responsibility			238.01	50					
CR	DO	19. Double Crossover	NA								



Septa Track Summary - Railroad Division							
SEPTA Locations	Number Of Tracks	Distance In Feet	Distance In Miles	Distance Counted	track Distance In Feet	Measured Distance Originates At	Measured Distance Terminates At
Arsenal to Phil	2	3,915	0.741	R1	7,830	E/B Arsenal Home Signal	W/B Phil Home Signal
Airport - Phil to 60th Street North	1	2,215	0.420	R1	2,215	E/B Phil Home Signal	60th Street North
Airport - 60th Street North To End Of Track	2	27,750	5.256	R1	55,500	60th Street North	Terminal E at the Airport
		33,880	6.417		65,545		
Chestnut Hill East - Wayne To Chestnut Hill East	2	32,091	6.078	R7	64,182	Wayne (#1A Switch)	Chestnut Hill East
		32,091	6.078		64,182		
Chestnut Hill W. - W/E N. Philadelphia To Chestnut Hill W.	2	37,003	7.008	R8	74,006	W/E Of N. Philadelphia	Chestnut Hill West
		37,003	7.008		74,006		
Doylestown - Dale To Land	2	1,745	0.330	R5	3,490	Lansdale - Mile Post 0	Land
Doylestown - Land To Doylestown	1	50,784	9.618	R5	50,784	Land	Doylestown
		52,529	9.949		54,274		
Fox Chase - NX to Cheltenham	1	17,352	3.286	R8	17,352	Newtown Jct.	Cheltenham Jct.
Fox Chase - Cheltenham To Fox Chase	1	8,715	1.651	R8	8,715	Cheltenham Jct.	Fox Chase
Fox Chase - Fox Chase To Newtown	1	//////////	//////////		//////////	////////////////////////////////////	////////////////////////////////////
		26,067	4.937		26,067		



NTD Forms

A-30

No.	c Vehicle Type Code	a # of veh. In Total Fleet			j # of Active Vehicles In Fleet	b Dedcd. Fleet Flag		h Manuf. Code	i Model Number	f Year of Manuf.	g Year of Rebuild	n Fuel Type Code	o Vehicle Length	p Seat. Cap.	q Stand. Cap.	d Ownrshp Code	e Funding Source	k # of ADA Acces. Vehicles	m # of Emerg. Conting. Veh.	r ULB	s Total MI. on Active Veh. During the Period	t Tot. Lifetime Miles per Active Vehicles		Suprts Anther Mode
		LY	diff																					
8762	RP	10	10	0	10	Y		BOM	JWC3T	2000	0		85	117	37	OOPA	UA	0	0	39	426,175	453,978	N	
8763	RP	10	10	0	10	Y		BOM	JWC3C	1987	0		85	118	37	OOPA	UA	0	0	39	426,175	770,978	N	
8764	RP	25	25	0	25	Y		BOM	JWC3T	1987	0		85	133	37	OOPA	UA	0	0	39	1,065,438	756,978	N	
8767	RS	60	60	0	60	Y		GEC	SILVERLINERIV	1976	0	EP	85	120	37	OOPA	OF	0	0	39	2,557,062	2,026,801	N	
8768	RS	47	47	0	47	Y		GEC	SILVERLINERIV	1974	0	EP	85	120	37	OOPA	OF	0	0	39	2,003,024	2,104,800	N	
8769	RS	96	96	0	96	Y		GEC	SILVERLINERIV	1975	0	EP	85	120	37	OOPA	OF	0	0	39	4,091,284	2,054,801	N	
8770	RS	28	28	0	28	Y		GEC	SILVERLINERIV	1976	0	EP	85	120	37	OOPA	OF	0	0	39	1,193,291	2,059,801	N	
43740	RS	9	9	0	9	Y		UTS	SILVERLINER V SC	2010	0	EP	85	107	51	OOPA	UA	9	0	39	383,558	435,097	N	
43741	RS	18	18	0	18	Y		UTS	SILVERLINER V MF	2010	0	EP	85	109	51	OOPA	UA	18	0	39	767,116	435,097	N	
48720	RS	18	18	0	18	Y		UTS	SILVERLINER V SC	2011	0	EP	85	107	51	OOPA	UA	18	0	39	767,116	425,129	N	
48721	RS	6	6	0	6	Y		UTS	SILVERLINER V SC	2012	0	EP	85	107	51	OOPA	UA	6	0	39	255,705	425,129	N	
48722	RS	34	34	0	34	Y		UTS	SILVERLINER V MF	2011	0	EP	85	109	51	OOPA	UA	34	0	39	1,449,020	425,129	N	
48723	RS	14	14	0	14	Y		UTS	SILVERLINER V MF	2012	0	EP	85	109	51	OOPA	UA	14	0	39	596,658	425,129	N	
54387	RS	3	3	0	3	Y		UTS	SILVERLINER V SC	2012	0	EP	85	107	51	OOPA	UA	3	0	39	127,853	404,776	N	
54404	RS	14	14	0	14	Y		UTS	SILVERLINER V MF	2012	0	EP	85	109	51	OOPA	UA	14	0	39	596,646	404,776	N	
54405	RS	2	2	0	2	Y	Y	UTS	SILVERLINER V SC	2012	0	EP	85	107	51	LRPA	UA	2	0		85,235	404,778	N	
54407	RS	2	2	0	2	Y	Y	UTS	SILVERLINER V MF	2012	0	EP	85	109	51	LRPA	UA	2	0		85,235	404,778	N	
374831	RL	15	15	0	15	Y		UTS	ACS-54	2019	0	EP	67	0	0	LRPA	UA	0	0	30	639,263	52,792	N	
		411	411	0	411													120	0		17,515,854			



ID	Agency Fleet ID	Fleet Name	Vehicle Type	Primary Mode	Year Manufactured	Estimated Cost	Useful Life Benchmark (Years)	Useful Life Remaining (Years)	Total Vehicles	Transit Agency Capital Responsibility (%)	Year Dollars of Estimated Cost
8750		10,000 LB ELECTRIC FORKLIFT - Asset ID: #6787	Trucks and other Rubber Tire Vehicles	HR - Heavy Rail	2009	\$ 41,837.00	14	0	1	100	2018
8752		10,000 PSI PRESSURE WASHER SKID FOR SLIPPERY RAIL TRAIN - Asset ID: #6789	Trucks and other Rubber Tire Vehicles	CR - Commuter Rail	2006	\$ 425,650.00	14	-3	2	100	2018
8754		100 TON BALLAST CARS - Asset ID: #6792	Steel Wheel Vehicles	CR - Commuter Rail	1956	\$ 13,935.00	25	-42	1	100	2018
8755		100 TON BALLAST CARS - Asset ID: #6793	Steel Wheel Vehicles	CR - Commuter Rail	1957	\$ 41,805.00	25	-41	3	100	2018
8756		100 TON BALLAST CARS - Asset ID: #6794	Steel Wheel Vehicles	CR - Commuter Rail	1958	\$ 27,870.00	25	-40	2	100	2018



1) Rolling Stock - Percent of revenue vehicles that have met or exceeded their useful life benchmark

Performance Measure	2023 Target (%)	2023 Performance (%)	2023 Difference	2024 Target (%)
AB - Articulated Bus	0.00	0.00	0.00	0.00
AO - Automobile	N/A			N/A
BR - Over-the-road Bus	N/A			N/A
BU - Bus	10.00	27.39	-17.39	10.00
CU - Cutaway	0.00	0.00	0.00	3.00
DB - Double Decker Bus	N/A			N/A
HR - Heavy Rail Passenger Car	0.00	0.00	0.00	0.00
LR - Light Rail Vehicle	0.00	0.00	0.00	0.00
MV - Minivan	N/A			N/A
OR - Other	N/A			N/A
RL - Commuter Rail Locomotive	0.00	0.00	0.00	0.00
RP - Commuter Rail Passenger Coach	0.00	0.00	0.00	0.00
RS - Commuter Rail Self-Propelled Passenger Car	66.00	66.57	-0.57	66.00
SB - School Bus	N/A			N/A
SV - Sports Utility Vehicle	N/A			N/A
TB - Trolleybus	0.00	0.00	0.00	0.00
VN - Van	N/A			N/A
VT - Vintage Trolley	100.00			100.00



April 2, 2024

Q&A

- Questions should be submitted using the Q&A feature
 - The chat feature will not be monitored for questions
 - Some questions may not get published due to time constraints

Peer Program

- Upcoming Discussion Forum:
 - Topic: TAM Performance Targets
 - Date: Wednesday, May 29 from 1:00-2:30pm eastern
- [Sign up](#) here to subscribe to receive correspondence from the TAM Program, including announcements for peer learning offerings.
 - TAM or SGR subscriber group

Thank you!

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U.S. Department of Transportation
Federal Transit Administration

