



Strafford Metropolitan Planning Organization Transit Asset Management Performance Targets

June 23, 2017

Background

On July 26th 2016 the Federal Transit Administration published the [final rule](#) on Transit Asset Management (49 CFR Part 625). The rule requires targets for Transit Assets to be developed by January 1st 2017 for the following fiscal year, and Metropolitan Planning Organizations (MPOs) to set regional targets 180 days after that. The targets deal with 4 broad areas of interest/asset categories: equipment, rolling stock, infrastructure, and facilities. The Strafford region contains no relevant infrastructure as defined under 49 CFR part 625 (e.g. fixed guideway for light rail mass transit), therefore Strafford MPO is only required to set targets for equipment, rolling stock, and facilities.

Rolling Stock and Equipment Methodology

The acquisition dates stored in the National Transit Database (NTD) and anticipated service lives are used to determine ages and whether assets are over or under their Useful Life Benchmarks (ULB). Anticipated service lives are documented in the State Management Plan and are primarily determined from the minimums set forth in FTA Circular [5010.1D](#)*:

Federal Transit Vehicle Classes		
Asset Classification	Vehicle or Equipment Type	Useful Life (years)
Class 1	Minivan, van, sedan	4
Class 2	Light-duty small bus, minibus, small body-on-chassis	6
Class 3	Medium-duty transit bus < 30', trolley, sprinter	7
Class 4	Heavy duty transit bus < 35'	10
Class 5	Heavy duty transit bus ≥ 35'	12
Class 6	Over-the-road-coach	12

*The service life of Class 2 vehicles has been increased from 5 years to 6 years.

Facilities Methodology

Targets for facilities are developed by applying the Transit Economic Requirements Model ([TERM](#)) scale to facilities used in the provision of public transportation. The TERM scale is a 5-point scale ranging from poor condition (1.0) to excellent condition (5.0). The performance measure is the number of facilities with an overall condition below a 3.0, which means adequate. The inventory includes 4 possible facility types that are owned by direct recipients and were purchased using federal funds:

- Passenger
- Administrative
- Maintenance
- Storage

The baseline for all classes is 0% because all transit facilities in the region are in good condition. The target for all facility classes is 0% because the conditions of facilities change much more slowly over time than equipment and rolling stock.

Target Development

Calculation of regional targets for rolling stock and equipment was based on comparison of the existing regional inventory to anticipated additions and replacements. Strafford MPO developed targets by reviewing asset portfolios for the two regional transit providers: University of New Hampshire Wildcat Transit and the Cooperative Alliance for Seacoast Transportation. For each asset class, the total number of vehicles was compared to the number of vehicles at or above their ULB. Regional baseline and target calculations will be updated on an annual basis as part of the Strafford MPO Metropolitan Transportation Plan.

Assets provided by COAST and Wildcat are recorded in the National Transit Database ([NTD](#)) and follow the remaining Useful Life Benchmark methodology. Targets for transit facilities were determined by using the Transit Economic Resource Model ([TERM](#)) qualitative scale of condition. Per federal ruling, targets were based on realistic expectations and the best available data.

Regional Target Setting

Rolling Stock Existing Asset Conditions					
Class	WC: assets at-above ULB/total	COAST: assets at-above ULB/total	total regional assets	Total assets at/above ULB	Regional Baseline
1	0 of 2	5 of 7	9	5 of 9	55%
2	1 of 6	3 of 8	14	4 of 14	29%
3	0 of 0	0 of 1	1	0 of 1	0%
4	0 of 0	0 of 2	2	0 of 2	0%
5	0 of 26	7 of 23	49	7 of 49	14%
6	0 of 0	2 of 2	2	2 of 2	100%

2018 Rolling Stock Regional ULB Assumptions & Targets				
Class	WC: target assumption	COAST: target assumption	Assumed proportion of assets at/above ULB by 2018	Regional Target
1	0 of 2	4 of 7	4 of 9	44%
2	3 of 6	2 of 8	5 of 14	36%
3	0 of 0	0 of 1	0 of 1	0%
4	0 of 0	0 of 2	0 of 2	0%
5	5 of 26	7 of 23	12 of 49	25%
6	0 of 0	2 of 2	2 of 2	100%

Equipment Existing Asset Conditions

WC: assets at-above ULB/total	COAST: assets at-above ULB/total	total regional assets	Total assets at/above ULB	Regional Baseline
0 of 5	5 of 5	10	5 of 10	50%

2018 Equipment Regional ULB Assumptions & Targets

WC: target assumption	COAST: target assumption	Assumed proportion of assets at/above ULB by 2018	Regional Target
0 of 5	5 of 5	5 of 10	40%

Final Regional Transit Asset Management Performance Targets

Asset Category*	Performance Measure	Asset Class	Baseline	Target
Rolling Stock	Age - % of revenue vehicles within a particular asset class that have met or exceeded their Useful Life Benchmark (ULB)	Class 1	55%	44%
		Class 2	29%	36%
		Class 3	0%	0%
		Class 4	0%	0%
		Class 5	14%	25%
		Class 6	100%	100%
Equipment	Age - % of non-revenue vehicles that have met or exceeded their Useful Life Benchmark (ULB)	All vehicles	50%	40%
Facilities	Condition - % of facilities with a condition rating below 3.0 on the FTA TERM Scale	Passenger	NA	NA
		Administrative	0%	0%
		Maintenance	0%	0%
		Storage	NA	NA

* The category for Infrastructure deals solely with fixed guideway/rail systems, which are not owned by any 5310 or 5311 subrecipients in NH.

COAST Asset Portfolio (as of May 1, 2017)

Asset Category	Asset Class	Asset Name	Make	Model	ID/Serial No.	Asset Owner	Age (Yrs)	Useful Life Benchmark	Replacement Cost/Value
Equipment	Van	901	Braun	Grand Caravan	901	COAST	8	4	\$ 40,000
Equipment	Van	3	Ford	Transit	3	COAST	6	4	\$ 30,000
Equipment	Truck	403	Dodge	Ram	403	COAST	13	4	\$ 45,000
Equipment	SUV	2	Ford	Escape	2	COAST	9	4	\$ 32,000
Equipment	Sedan	4	Ford	Fusion	4	COAST	5	4	\$ 28,000
Facilities	Parking Lot	42 Sumner Drive	N/A	N/A	Fac3	COAST	28	15	\$ 250,000
Facilities	Operations Offices	42 Sumner Drive	N/A	N/A	Fac2	COAST	27	40	\$ 500,000
Facilities	Maintenance Garage	42 Sumner Drive	N/A	N/A	Fac1	COAST	22	40	\$ 750,000
Rolling Stock	Minivan-1	1003	Eldorado	Amerivan PT	1003	COAST	7	4	\$ 40,000
Rolling Stock	Minivan-1	1207	Braun	Entervan	1207	COAST	5	4	\$ 40,000
Rolling Stock	Minivan-1	1208	Braun	Entervan	1208	COAST	5	4	\$ 40,000
Rolling Stock	Minivan-1	1301	Braun	Entervan	1301	COAST	4	4	\$ 40,000
Rolling Stock	Minivan-1	1302	Braun	Entervan	1302	COAST	4	4	\$ 40,000
Rolling Stock	Minivan-1	1503	Braun	Entervan	1503	COAST	2	4	\$ 40,000
Rolling Stock	Minivan-1	1502	Braun	Entervan	1502	COAST/TASC	2	4	\$ 38,000
Rolling Stock	MD Bus-3	1501	Glaval	Universal	1501	COAST/RRH	2	7	\$ 90,000
Rolling Stock	LD Bus-2	701	StarTrans	Senator	701	COAST	10	5	\$ 80,000
Rolling Stock	LD Bus-2	1001	Eldorado	AeroTech 220	1001	COAST	7	5	\$ 80,000
Rolling Stock	LD Bus-2	1002	Eldorado	AeroTech 220	1002	COAST	7	5	\$ 80,000
Rolling Stock	LD Bus-2	1601	StarTrans	Senator II	1601	COAST	1	5	\$ 80,000
Rolling Stock	LD Bus-2	1602	StarTrans	Senator II	1602	COAST	1	5	\$ 80,000
Rolling Stock	LD Bus-2	1603	StarTrans	Senator II	1603	COAST	1	5	\$ 80,000
Rolling Stock	LD Bus-2	1604	StarTrans	Senator II	1604	COAST/RNMOW	1	5	\$ 78,000
Rolling Stock	LD Bus-2	1605	StarTrans	Senator II	1605	COAST/RNMOW	1	5	\$ 78,000
Rolling Stock	HD Bus-5	9501	New Flyer	40' Low-Floor	9501	COAST	22	12	\$ 450,000
Rolling Stock	HD Bus-5	9502	New Flyer	40' Low-Floor	9502	COAST	22	12	\$ 450,000
Rolling Stock	HD Bus-5	9503	New Flyer	40' Low-Floor	9503	COAST	22	12	\$ 450,000
Rolling Stock	HD Bus-5	9504	New Flyer	40' Low-Floor	9504	COAST	22	12	\$ 450,000
Rolling Stock	HD Bus-5	9505	New Flyer	40' Low-Floor	9505	COAST	22	12	\$ 450,000
Rolling Stock	HD Bus-5	102	Gillig	29' Low-Floor	102	COAST	16	12	\$ 415,000
Rolling Stock	HD Bus-5	103	Gillig	29' Low-Floor	103	COAST	16	12	\$ 415,000
Rolling Stock	HD Bus-5	801	Gillig	40' Low-Floor	801	COAST	9	12	\$ 450,000
Rolling Stock	HD Bus-5	802	Gillig	40' Low-Floor	802	COAST	9	12	\$ 450,000
Rolling Stock	HD Bus-5	803	Gillig	40' Low-Floor	803	COAST	9	12	\$ 450,000
Rolling Stock	HD Bus-5	804	Gillig	40' Low-Floor	804	COAST	9	12	\$ 450,000
Rolling Stock	HD Bus-5	1101	Gillig	35' Low-Floor	1101	COAST	6	12	\$ 425,000
Rolling Stock	HD Bus-5	1102	Gillig	35' Low-Floor	1102	COAST	6	12	\$ 425,000
Rolling Stock	HD Bus-5	1103	Gillig	35' LF Trolley	1103	COAST	6	12	\$ 485,000
Rolling Stock	HD Bus-5	1104	Gillig	35' LF Trolley	1104	COAST	6	12	\$ 485,000
Rolling Stock	HD Bus-5	1105	Gillig	35' LF Trolley	1105	COAST	6	12	\$ 485,000
Rolling Stock	HD Bus-5	1203	Gillig	35' Low-Floor	1203	COAST	5	12	\$ 425,000
Rolling Stock	HD Bus-5	1204	Gillig	35' Low-Floor	1204	COAST	5	12	\$ 425,000
Rolling Stock	HD Bus-5	1205	Gillig	35' LF Trolley	1205	COAST	5	12	\$ 485,000
Rolling Stock	HD Bus-5	1206	Gillig	35' LF Trolley	1206	COAST	5	12	\$ 485,000
Rolling Stock	HD Bus-5	1606	Gillig	40' Low-Floor	1606	COAST	1	12	\$ 450,000
Rolling Stock	HD Bus-5	1607	Gillig	40' Low-Floor	1607	COAST	1	12	\$ 450,000
Rolling Stock	HD Bus-5	1608	Gillig	40' Low-Floor	1608	COAST	1	12	\$ 450,000
Rolling Stock	HD Bus-4	1201	Gillig	<30' Low-Floor	1201	COAST	5	10	\$ 415,000
Rolling Stock	HD Bus-4	1202	Gillig	<30' Low-Floor	1202	COAST	5	10	\$ 415,000
Rolling Stock	HD Bus-6	2001	MCI	45' OTR Coach	2001	COAST	17	12	\$ 500,000
Rolling Stock	HD Bus-6	2002	MCI	45' OTR Coach	2002	COAST	17	12	\$ 500,000



Wildcat Transit Asset Portfolio

June 2017

Asset Category	Asset Class	Asset Name	Make	Make	Serial Number	Asset Owner	Current Age (Years)	Useful Life (Years)
Rolling Stock	HD Bus - 5	WT-16	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL76C084133	FTA/UNH	11	12
Rolling Stock	HD Bus - 5	WT-17	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL96C084134	FTA/UNH	11	12
Rolling Stock	HD Bus - 5	WT-18	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL06C084135	FTA/UNH	11	12
Rolling Stock	HD Bus - 5	WT-19	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL26C084136	FTA/UNH	11	12
Rolling Stock	HD Bus - 5	WT-20	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL46C084137	FTA/UNH	11	12
Rolling Stock	HD Bus - 5	WT-21	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL66C084138	FTA/UNH	11	12
Rolling Stock	HD Bus - 5	WT-22	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL86C084139	FTA/UNH	11	12
Rolling Stock	HD Bus - 5	WT-23	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL46C084140	FTA/UNH	11	12
Rolling Stock	HD Bus - 5	WT-24	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL09C084009	FTA/UNH	9	12
Rolling Stock	HD Bus - 5	WT-25	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL79C084010	FTA/UNH	9	12
Rolling Stock	HD Bus - 5	WT-26	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL99C084011	FTA/UNH	9	12
Rolling Stock	HD Bus - 5	WT-27	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL09C084012	FTA/UNH	9	12
Rolling Stock	LD Bus - 2	WT-28	EIDorado	AeroLite 23' CNG	1FD4E45S48DB51444	FTA/UNH	8	7
Rolling Stock	LD Bus - 2	WT-29	EIDorado	AeroTech 25' CNG	1FD4E45S48DB51444	FTA/UNH	6	7
Rolling Stock	LD Bus - 2	WT-30	EIDorado	AeroTech 25' CNG	1FD4E45S48DB51444	FTA/UNH	6	7
Rolling Stock	HD Bus - 5	WT-31	EIDorado	EZ-Rider II 32' CNG	1N9MNALG5BC084044	FTA/UNH	7	12
Rolling Stock	HD Bus - 5	WT-32	EIDorado	EZ-Rider II 32' CNG	1N9MNALG7BC084045	FTA/UNH	7	12
Rolling Stock	HD Bus - 5	WT-33	EIDorado	EZ-Rider II 32' CNG	1N9MNALG7BC084046	FTA/UNH	7	12
Rolling Stock	HD Bus - 5	WT-34	EIDorado	EZ-Rider II 32' CNG	1N9MNALG7BC084047	FTA/UNH	7	12
Rolling Stock	HD Bus - 5	WT-35	EIDorado	EZ-Rider II 32' CNG	1N9MNALG4DC084071	FTA/UNH	5	12
Rolling Stock	HD Bus - 5	WT-36	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL4CC084232	FTA/UNH	5	12
Rolling Stock	HD Bus - 5	WT-37	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL6CC084233	FTA/UNH	5	12
Rolling Stock	HD Bus - 5	WT-38	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL6DC084072	FTA/UNH	5	12
Rolling Stock	HD Bus - 5	WT-39	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL8DC084073	FTA/UNH	5	12
Rolling Stock	HD Bus - 5	WT-40	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACLXDC084074	FTA/UNH	5	12
Rolling Stock	HD Bus - 5	WT-41	EIDorado	EZ-Rider II 35' BioDiesel	1N9MMACL4EC084282	UNH	3	12
Rolling Stock	HD Bus - 5	WT-42	EIDorado	EZ-Rider II 35' CNG	1N9MMALG0EC084279	UNH	3	12
Rolling Stock	HD Bus - 5	WT-43	EIDorado	EZ-Rider II 35' CNG	1N9MMALG7EC084280	UNH	3	12
Rolling Stock	HD Bus - 5	WT-44	EIDorado	EZ-Rider II 35' CNG	1N9MMALG9EC084281	UNH	3	12
Rolling Stock	LD Bus - 2	WT-45	EIDorado	AeroTech 25' CNG	1FD4E45S48DB51444	FTA/UNH	1	7
Rolling Stock	LD Bus - 2	WT-46	EIDorado	AeroTech 25' CNG	1FD4E45S48DB51444	FTA/UNH	1	7
Rolling Stock	LD Bus - 2	WT-47	EIDorado	AeroTech 25' CNG	1FD4E45S48DB51444	FTA/UNH	1	7
Rolling Stock	Minivan - 1	WT-48	EIDorado	AmeriVan 17' UL	2C7WDGBG0FR703536	FTA/UNH	1	5
Rolling Stock	Minivan - 1	WT-49	EIDorado	AmeriVan 17' UL	2C7WDGBG2FR703537	FTA/UNH	1	5
Equipment	AVL Sign	NB-1	Raven	XT CDMA 4-Line Sign	201303156	FTA/UNH	4	10
Equipment	AVL Sign	NB-2	Raven	XT CDMA 4-Line Sign	201303158	FTA/UNH	4	10
Equipment	AVL Sign	NB-3	Raven	XT CDMA 4-Line Sign	201303157	FTA/UNH	4	10
Equipment	AVL Sign	NB-4	Raven	XT CDMA 2-Line Sign	201303155	FTA/UNH	4	10
Equipment	AVL Sign	NB-5	Raven	XT CDMA 4-Line Sign	201408183	FTA/UNH	2	10