SMART TRANSIT ASSET MANAGEMENT PLAN October 5, 2022



Why Asset Management Plan?

Required by 49 CFR Part 625

Final Rule adopted in July 2016

All transit providers that receive federal funds

SMART considered a Tier I agency

- Operates rail transit
- All requirements apply
- Cannot be part of a "group" plan

State of Good Repair

 Condition in which a capital asset can operate at a full level of performance – without limit or restriction

What Does it Contain?

Develop and Implement a Transit Asset Management Plan with the following elements:

- Inventory of assets
- Condition assessment of assets
- Description of support tools
- Prioritized list of investments
- State of Good Repair/ Transit Asset Management policy
- Implementation strategy
- Identification of resources
- Evaluation Plan



Scope

In Scope

• All assets over \$5,000 and a useful life of 1 year or more

Exceptions

- All equipment under \$50,000
- Freight assets



Assets – Revenue Vehicles

Diesel Multiple Units (DMUs)

- 14 Placed in service 2015
- 4 Placed in service 2018
- All Tier IV engines
- Average speeds 40mph with top speed of 79mph
- 85' long, 14'7" tall and 10'5" wide
- Each 2-car trains weighs about 149 tons
- Each 2-car train can carry approximately 150 seated passengers



Assets – Facilities

Administrative Facilities:

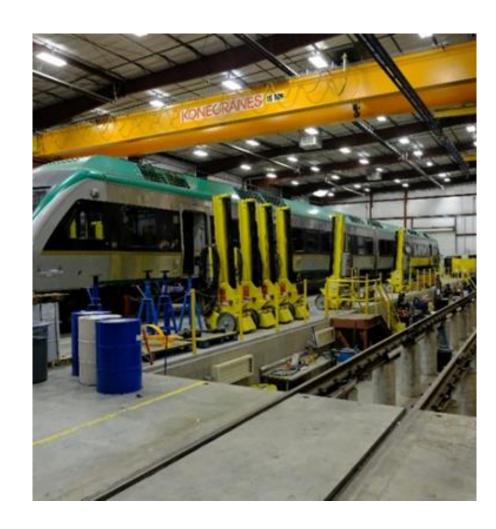
7 buildings

Maintenance Facilities:

5 buildings

Passenger Facilities:

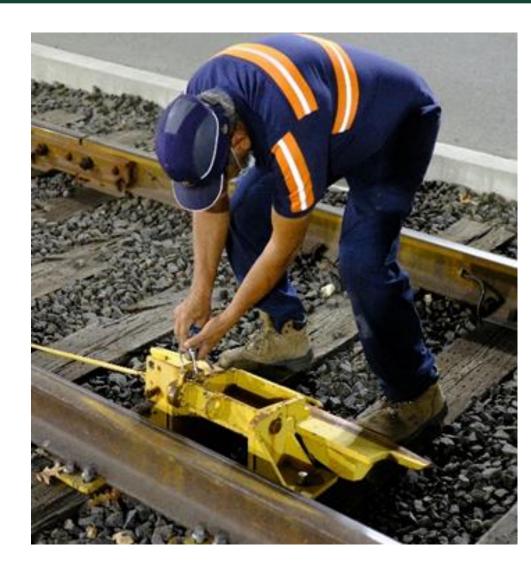
- Pathways 12 miles
- Platforms 12
- Park-n-Rides 6





Assets – Infrastructure

- Bridges 41
- Culverts 119
- Tunnels 2
- Grade Crossings 85
- Control Points 23
- Electric Locks/ Switches -10
- Central Instrument Locations - 103
- Track 82.5 miles

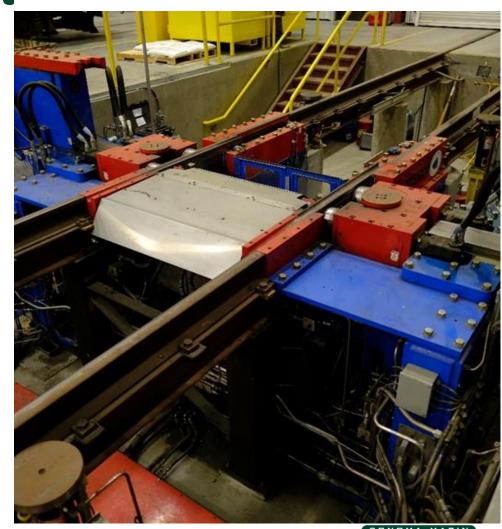




Assets – Equipment

(\$50,000 and over)

- Non-Revenue Vehicles –
 13
- Information Technology
 Systems 3
- Security & Surveillance –2
- Fare Generation (Ticket
 Vending Machines) 15
- Vehicle Maintenance 6
- Maintenance of Way 4



Condition Assessment – Revenue Vehicles

Required Performance Metric

% of revenue vehicles that have met or exceeded their useful life benchmark

SMART DMUs useful life is 39 years

- 14 DMUs have an average age of 7
- 4 DMUs have an average age of 4

No DMUs have met or exceeded their useful life benchmark (0%)=



Condition Assessment – Facilities

Required Performance Metric

- % of facilities rated under 3.0 on the TERM Scale
- TERM Scale:
 - 5.0 New or like new 95% to 100% confidence in reliability
 - 4.5 90% to 95% confidence in reliability
 - 4.0 80% to 90% confidence in reliability
 - 3.5 70% to 80% confidence in reliability
 - 3.0 60% to 70% confidence in reliability
 - 2.5 50% to 60% confidence in reliability
 - 2.0 40% to 50% confidence in reliability
 - 1.5 30% to 40% confidence in reliability
 - 1.0 less than 30% confidence in reliability
 - 0.0 Not safe to use



Condition Assessment – Facilities

Administration Facilities

- Not assessed
- Leased out and not used for transit purposes
- Will be assessed in the future

Maintenance Facilities

No facilities are rated under 3.0

Passenger Facilities

- Pathways No facilities are rated under 3.0
- Stations No facilities are rated under 3.0
- Park-n-Rides No facilities are rated under 3.0



Condition Assessment – Infrastructure

Required Performance Metric

% of track segments under performance restriction

None of SMART's track segments are under performance restriction



Condition Assessment – Equipment

Required Performance Metric

 % of non-revenue service vehicles that meet or exceed the useful life benchmark

Equipment	Number	Number that Meets or	% of Equipment that			
_4		Exceeds ULB	meet or Exceed ULB			
Non-Revenue Vehicles	13	0				
Information Technology	3	1				
Security & Surveillance	2	0				
Revenue Generation	15	0				
Vehicle Maintenance	6	0				
Maintenance of Way	4	0				
Total Equipment	43	1	2%			



Planned Investment

Based on current Capital and Operations Plan

	FY 23		FY 24		FY 25		FY 26		FY 27	
Track, MOW, & Facilities	\$	415,500	\$	510,000	\$	560,000	\$	560,000	\$	3,050,000
Non-Revenue Vehicles	\$	445,000	\$	378,000	\$	310,000	\$	454,000	\$	185,000
Equipment & Machinery	\$	251,427	\$	12,800	\$	-	\$	96,950	\$	36,250
DMUs	\$	670,000	\$	1,430,000	\$	880,000	\$	1,550,000	\$	900,000
Bridges	\$	759,036	\$	1,994,192	\$	1,549,188	\$	4,114,749	\$	2,409,000
Safety & Security	\$	454,500	\$	632,000	\$	606,000	\$	151,500	\$	-
Train Control	\$	-	\$	-	\$	2,292,000	\$	2,292,000	\$	-
Total	\$	2,995,463	\$	4,956,992	\$	6,197,188	\$	9,219,199	\$	6,580,250



Questions?



