



PUBLIC TRANSPORTATION

TxDOT Transit Asset Management Plan

TAM Plan Milestones

- Project kick off and email **March 3**
- Group plan participation webinar **March 14**
- TAM Plan outline and current asset inventory data sent to providers **May 11**
- Providers review asset inventory data and return updates to PTN **June 8**
- Draft TAM Plan **June 29**
- Status review at semi-annual operators meeting **July 11**
- Circulate draft plan to group participants **July 20**
- Comments due to PTN **Aug 3**
- Final edits to TAM Plan **Aug 17**
- Final TAM plan review **Aug 20**
- Plan finalized, inform FTA & distribute to participants **Sept 20**

Required Plan Components

1. Inventory of Capital Assets

- Vehicles, facilities, equipment

2. Condition Assessment

- What is the age and condition? How are the assets functioning?

3. Establish Useful Life Benchmarks (ULBs)

- Rolling Stock & Equipment: Age and Condition
- Facilities: Transit Economic Requirements Model (TERM)

4. Investment Prioritization

- The detail of which assets will be prioritized for future replacement

Targets

- Rolling Stock: $\leq 15\%$ or less of fleet assets operating beyond their useful life benchmark (ULB) for age.
- Facilities: $\leq 15\%$ of facilities operating in a condition lower than 3.0 on the Transit Economic Requirements Model (TERM) scale.
- Equipment: $\leq 15\%$ or less of equipment assets operating beyond their useful life benchmark (ULB) for age.

TxDOT Transit Asset Management (TAM) Plan

TxDOT Useful Life Benchmarks (ULB) by Vehicle Type

Vehicle Type	Altoona Age	TxDOT ULB
Heavy Duty Large Bus (35' to 40' and articulated buses)	12 years or 500,000 miles	14 years 600,000 miles
Heavy-Duty Small Bus (30' to 35')	10 years or 350,000 miles	12 years 420,000 miles
Medium-Duty and Purpose-Built Bus (25' to 35')	7 years or 200,000 miles	9 years 260,000 miles
Light-Duty Small Bus and Cutaways (20' to 25')	5 years or 150,000 miles	7 years 210,000 miles
Light-Duty Van, Modified Van, Automobiles (16' to 20')	4 years or 100,000 miles	6 years 150,000 miles

TxDOT Plan Participants – 37 entities

- Rural Public Transportation Systems - 25 of 27 (stand alone)
 - Ft. Bend County and Public Transit Services opted to do their own
- 11 Section 5310 Providers (open-door service)
- 1 Small Urban Transit District

Required Asset Inventory Categories

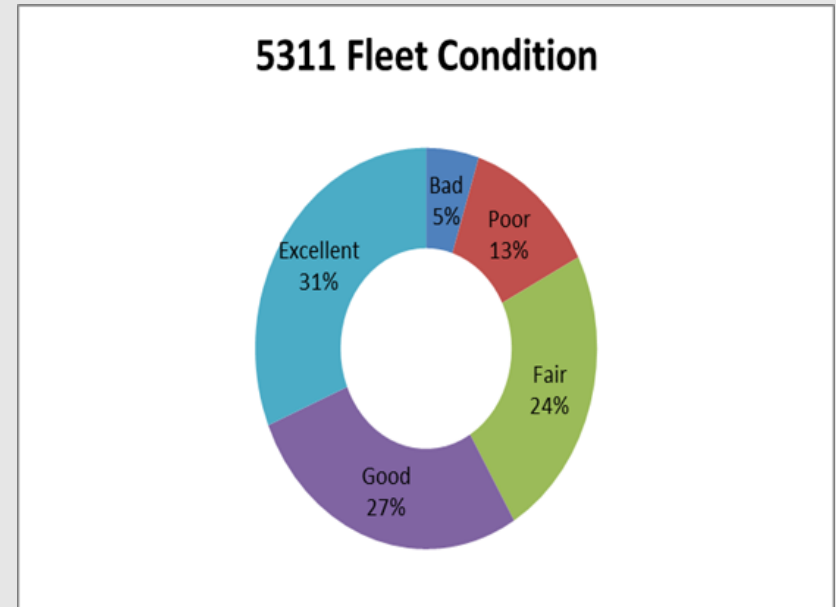
- Rolling Stock – Revenue vehicles
- Facilities – Administrative, operations, maintenance, passenger facilities
- Equipment – Non-revenue support, service and maintenance vehicles

Asset Verification & Inventory Refinement

- Confirmation of existing assets
- Public Transportation Management System (PTMS)
- New assets (local or MPO \$ sources)
- Condition
- Mileage
- Year
- Rehab projects

Rolling Stock Stats

- Approximately 1170 vehicles
- Most common model year 2010
- 60% of vehicles in good or excellent condition
- Regular light-duty and small light-duty cutaway most common



TxDOT Transit Asset Management (TAM) Plan

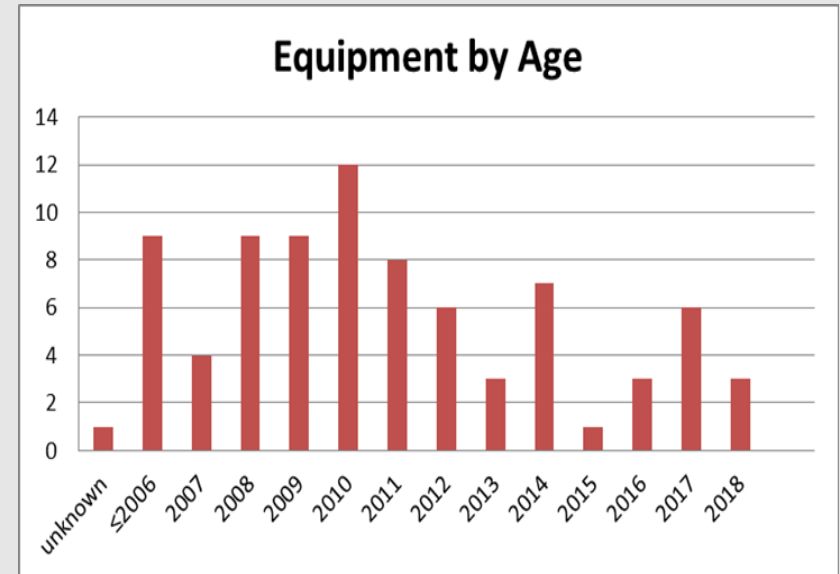
TxDOT Vehicle Inventory Type

TxDOT Type	Description	NTD Class	NTD Norms		ALI ~	Duty Cycle		Duty Cycle Reference:
			Length	Capacity		Years	Miles	
1	raised –roof van w) lift	VN	19'	8	11.XX.15	4	100,000	49 CFR 665
2	small LD cutaway (138" wb)	CU	21'	10	11.XX.04	4	100,000	49 CFR 665
3	regular LD cutaway (158" wb)	CU	23'	16	11.XX.04	5	150,000	49 CFR 665
3	large LD cutaway (176" wb)	CU	25'	20	11.XX.04	5	150,000	49 CFR 665
4*^	sport utility vehicle	SV	16'	4	11.XX.16	4	100,000	SMR workbook
5*^	pickup truck	AU	16'	2	11.42.11	4	100,000	SMR workbook
6 *	shop truck	AU	16'	1	11.42.11	4	100,000	SMR workbook
7	low-floor mini-van w) ramp	MV	16'	4	11.XX.15	4	100,000	49 CFR 665
8*^	sedan or small station wagon	AU	16'	4	11.XX.16	4	100,000	SMR workbook
9*	full-size passenger van	VN	19'	8	11.XX.15	4	100,000	SMR workbook
10*	mini-van	MV	16'	4	11.XX.15	4	100,000	SMR workbook
11	MD cutaway	CU	32'	26	11.XX.YY	7	200,000	49 CFR 665
11	MD bus	BU	30'	22	11.XX.YY	7	200,000	49 CFR 665
12	school bus	SB	length & capacity vary		11.XX.05	varies by type		NASDPTS~ ~
14	trolley	OR	length & capacity vary		11.XX.09	varies MD-HD		49 CFR 665
15	HD cutaway	CU	length & capacity vary		11.XX.YY	10	350,000	49 CFR 665
15	HD bus	BU	length & capacity vary		11.XX.YY	10	350,000	49 CFR 665
16	HD cutaway	CU	length & capacity vary		11.XX.YY	12	500,000	49 CFR 665
16	HD bus	BU	length & capacity vary		11.XX.YY	12	500,000	49 CFR 665
17	over-the-road coach	BR	length & capacity vary		11.XX.YY	12	500,000	49 CFR 665

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Equipment Stats

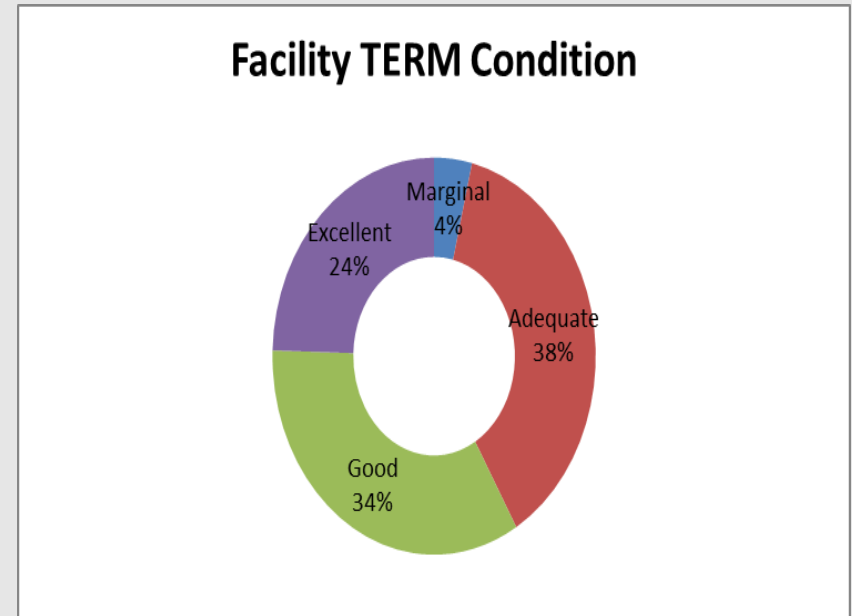
- 81 vehicles and pieces of equipment
- Most common model year 2010
- Pickups and sedans
- 65% of vehicles in good or excellent condition
- < 10% of assets in poor or bad condition



TxDOT Transit Asset Management (TAM) Plan

Facility Stats

- 53 transit facilities
- Wide variation in age and type
- 96% rated in adequate or better condition



Conclusions

- Covers approximately 2/3 of the total rural fleet
- State of Good Repair (SGR)
 - Rolling Stock 88%
 - Facilities 96% (rated adequate or higher on TERM scale)
 - Equipment 80%
- Required funding to maintain a SGR (FY 19 – FY 22): \$39.1 million

What will TxDOT-PTN's TAM plan be used for?

1. To educate on the needs for additional funding;
2. To assist with discretionary funding applications (5339);
3. To inform bi-annual fleet replacement call for projects.

Lessons Learned / Future Improvements

- Facility Condition Assessment
- Inventory Management System
- Input from FTA
- Input from planning partners

Questions?

TAM Plan: <http://ftp.dot.state.tx.us/pub/txdot-info/ptn/tam-plan.pdf>

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