

# Waco Metropolitan Planning Organization

## Technical Committee Meeting

Thursday, January 3, 2019

2:00 p.m.



Waco Metropolitan Planning Organization

# 2019 Safety Targets

- **Consideration and Action** regarding a recommendation to the MPO Policy Board on either MPO support of safety targets established by the Texas Department of Transportation or establishment of independent regional safety targets in accordance to requirements identified as part of the Fixing America's Surface Transportation (FAST) Act



# Safety Target Requirements

- FAST Act Requirements
  - Maintain safe roadway networks
    - Safety improvements should guide funding prioritization
  - Establish 5 Performance Measures
    - Number of fatalities
    - Fatalities per million vehicle miles traveled
    - Number of serious injuries
    - Serious injuries per million vehicle miles traveled
    - Number of non-motorized fatalities and non-motorized serious injuries



# TxDOT Safety Targets - 2018

- 2018 Safety Targets for Texas
  - Decrease expected rise of fatalities & serious injuries
    - Total fatalities will still increase
    - Total serious injuries will still increase
  - Aimed at reducing each factor by 0.4% compared to doing nothing at all
  - Assessment of progress toward meeting targets
    - Some federal dollars must be used to address safety problems if targets are not met



# Safety Targets - 2018

- Waco MPO Supported 2018 State Safety Targets
  - MPO agreed to select a mix of projects that help the state achieve their target
    - Metropolitan Transportation Plan (MTP) & Transportation Improvement Program (TIP)
    - FAST Act does not require specific MPO targets



# Safety Targets - 2019

- 2019 Safety Targets for Texas
  - Each annual set of targets is independent
    - Data changes slightly over time (CRIS & other data sources)
  - MPO will analyze 2018 data
    - Purpose: provide some idea of condition trends
    - Impacts realized 5+ years after project implementation
    - No federal requirement for a separate MPO safety report
    - Some analysis required for future MTP Updates



# Texas 2019 Safety Performance Targets

## 5-year annual average (2015 to 2019)

2019 Safety Targets	Number of Fatalities	Rate of Fatalities	Number of Serious Injuries	Serious Injury Rate	Total Number of Non-Motorized Fatalities and Serious Injuries
2015	3,582	1.39	17,110	6.63	2,036
2016	3,776	1.39	17,602	6.49	2,301
2017	3,726	1.36	17,546	6.39	2,148
2018	3,891	1.46	18,130	6.64	2,309
2019 Target	3,980	1.47	18,367	6.60	2,394
2019 Target as a 5 year Average:	3,791	1.414	17,751	6.550	2,237.6

*\*Rate per 100 million vehicle miles of travel*



# Crash Data Trends - 2010 to 2017

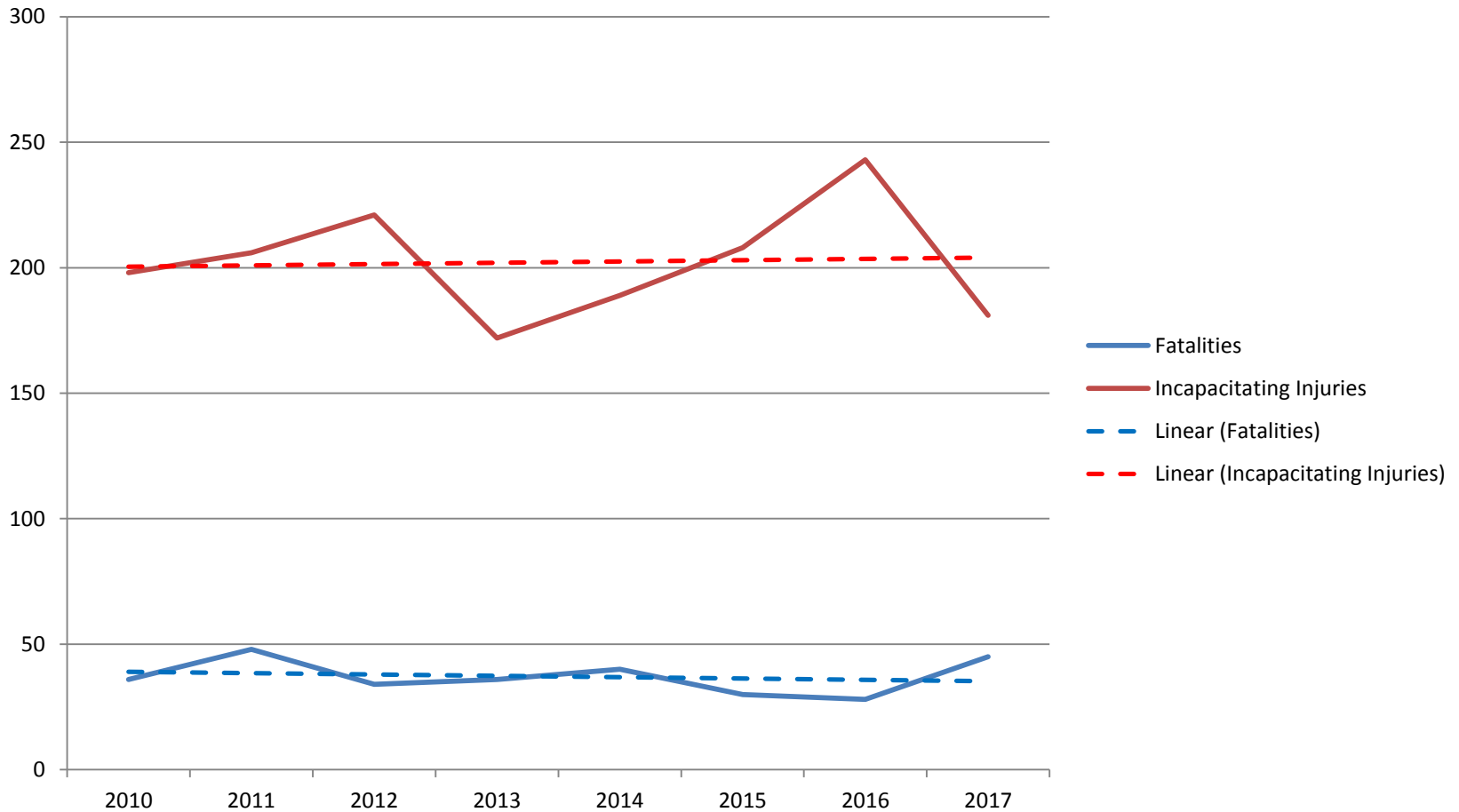
## McLennan County

Year	Fatalities	Serious Injuries	Non-Motorized Fatalities & Serious Injuries
2010	36	198	16
2011	48	206	29
2012	34	221	30
2013	36	172	17
2014	40	189	27
2015	30	208	22
2016	28	243	31
2017	45	181	30
Average	37.13	202.25	25.25
5-year Average: 2012-2016	33.60	206.60	25.40
5-year Average: 2013-2017	35.80	198.60	25.40

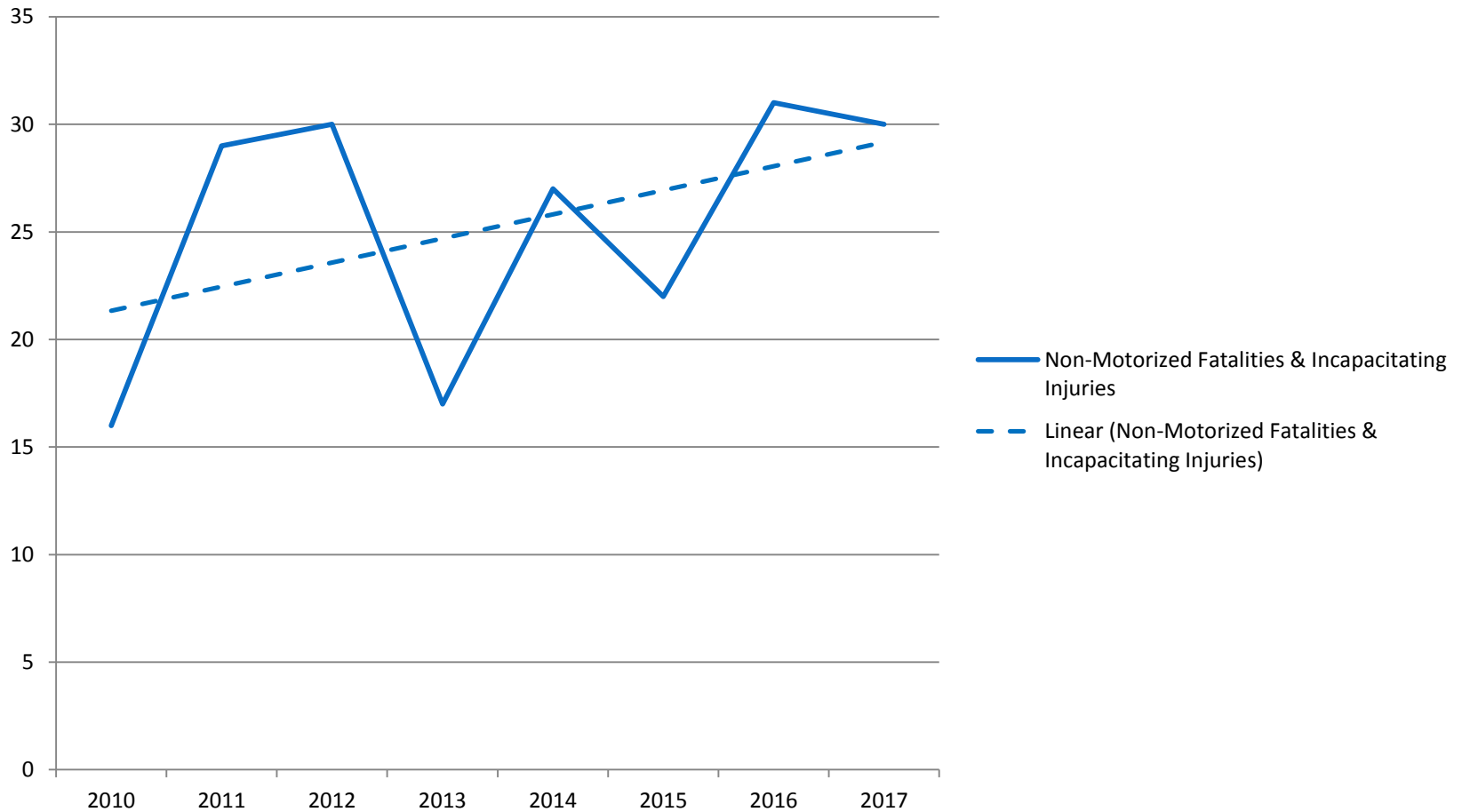




# Highway Fatalities and Serious Injuries McLennan County - 2010 to 2017



# Non-Motorized Fatalities & Serious Injuries McLennan County - 2010 to 2017



# 2019 Safety Targets

- MPO Policy Board Decision:
  1. Support safety targets established by TxDOT
    - OR -
  2. Establish independent regional safety targets



# Safety Performance Targets

- Next Steps
  - Technical Committee & Staff Recommendations
    - Thursday, January 3
  - Initiate public input process by consensus
    - Conduct 15 day public comment period
    - Conduct 2 public informational meetings
  - Policy Board Action
    - February 21, 2019 meeting



# #EndTheStreakTX

- TxDOT Campaign (PSA)
  - At least one person has died on Texas roadways every day since November 7, 2000 (18 years)
  - Leading causes of fatalities
    - distracted driving, speeding , drunk driving
  - Keeping roads safe is a shared responsibility among roadway users and engineers
  - MPO staff analyzing fatal crash location & circumstances
    - Overview at a future meeting



## DEADLY driving behaviors

On the road, one mistake is all it takes to destroy lives. Read on to learn the leading causes of injury and death on Texas roadways and how to avoid them.



**1**  
**Maintain your lane**  
If you're distracted, impaired or fatigued you might drift out of your lane and strike other vehicles or objects. Stay alert at all times while driving.



**2**  
**Rest up**  
Driving tired has the same effect on your driving ability as driving drunk. Get plenty of sleep before getting on the road.



**3**  
**Pay attention**  
When you're not focused on the road, your risk of a crash increases. Don't talk, text, or use apps while driving.



**4**  
**Stay sober**  
Alcohol impairs your reaction time, coordination, and judgement—all of which you need to safely operate a vehicle.



**5**  
**Be patient**  
Speeding, tailgating, brake checking, and weaving through lanes are aggressive behaviors that can lead to collisions. Don't risk your life or someone else's just to shave a few minutes off your commute or to "punish" other drivers.

# Safety Performance Targets

- Discuss safety performance targets for the Waco Metropolitan Area
- Staff Recommendation
  - Follow 2019 state targets
- Consideration and Action
  - Recommendation to MPO Policy Board



# 2019 Public Transportation Asset Condition Targets

- **Review and Discussion** regarding a recommendation to the MPO Policy Board on adoption of Public Transportation Asset Condition Targets for the Waco Metropolitan Area in accordance to requirements identified as part of the Fixing America's Surface Transportation (FAST) Act



# Public Transportation Asset Condition (TAM) Targets

- FAST Act Requirements
  - Maintain safe transit networks
    - Asset condition improvements should guide funding prioritization
  - Establish 3 Performance Measures
    - Rolling Stock - % of revenue vehicles that exceed the Useful Life Benchmark (ULB)
    - Equipment - % of non-revenue maintenance vehicles that exceed the ULB
    - Facilities - % of facilities rated less than 3.0 on the Transit Economic Requirements Model (TERM) Scale





# Public Transportation Asset Condition (TAM) Targets

- Target Goals
  - Assess condition of regional transit vehicles and facilities relative to a FTA definition of State of Good Repair (SGR)
    - SGR = condition in which a capital asset is able to operate at a full level of performance
  - Aimed at improving public capital assets effectively through their entire life cycle
  - Assessment of progress toward meeting targets
    - Some federal dollars must be used to address asset conditions if targets are not met



# Public Transportation Asset Condition (TAM) Targets

- Waco MPO Supported 2018 TAM Targets of Waco Transit Systems, Inc. (WTS)
  - MPO agreed to select a mix of projects that help WTS achieve their asset condition targets
    - Metropolitan Transportation Plan (MTP) & Transportation Improvement Program (TIP)
    - FAST Act requires MPOs to establish regional performance standards and to meet subsequent reporting requirements



# Draft 2019 TAM Targets

## Waco Transit System, Inc.

Service Area	Asset Class	2018 Target for Exceeding ULB	2019 Target for Exceeding ULB	Difference
Urban	Buses	17%	50%	8 buses now > ULB; = 50% of Bus Fleet > ULB
Urban	Cutaway Vans	89%	100%	2 vans now > ULB = 100% of Cutaway Fleet > ULB
Urban	Other Vans	33%	100%	2 vans now > ULB = 100% of Van Fleet > ULB
Urban	Automobiles	100%	100%	
Urban	Service Vehicles	100%	100%	
Rural	Cutaway Vans	100%	100%	
Rural	Other Vans	100%	100%	
Rural	Automobiles	0%	0%	
Urban	Non-Revenue Utility Vehicles	33%	67%	1 NRUV now > ULB = 67% of NRUVs > ULB
Rural	Non-Revenue Supervisor Vehicle	0%	0%	
Facility	Overall Condition Target	2018 Target	2019 Target	
Transit Administration & Maintenance Building (2006)	4.4 out of 5.0	5% of elements rated less than adequate	12% of elements rated less than adequate	12% of elements in facility now rated below 3 on TERM condition scale
Transit Intermodal Terminal (2000)	4.4 out of 5.0	5% of elements rated less than adequate	12% of elements rated less than adequate	12% of elements in facility now rated below 3 on TERM condition scale

# Public Transportation Asset Condition (TAM) Targets

- MPO Policy Board Decision:
  1. Adopt 2019 TAM targets established by WTS
    - OR -
  2. Establish independent regional TAM targets



# Public Transportation Asset Condition (TAM) Targets

- Next Steps
  - Technical Committee & Staff Recommendations
    - Thursday, January 3
  - Initiate public input process by consensus
    - Conduct 15 day public comment period
    - Conduct 2 public informational meetings
  - Policy Board Action
    - February 21, 2019 meeting



# Public Transportation Asset Condition (TAM) Targets

- Discuss public transportation asset condition targets for the Waco Metropolitan Area
- Staff Recommendation
  - Adopt 2019 targets of Waco Transit System, Inc.
- Consideration and Action
  - Recommendation to MPO Policy Board



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