

## Agenda Item IX.

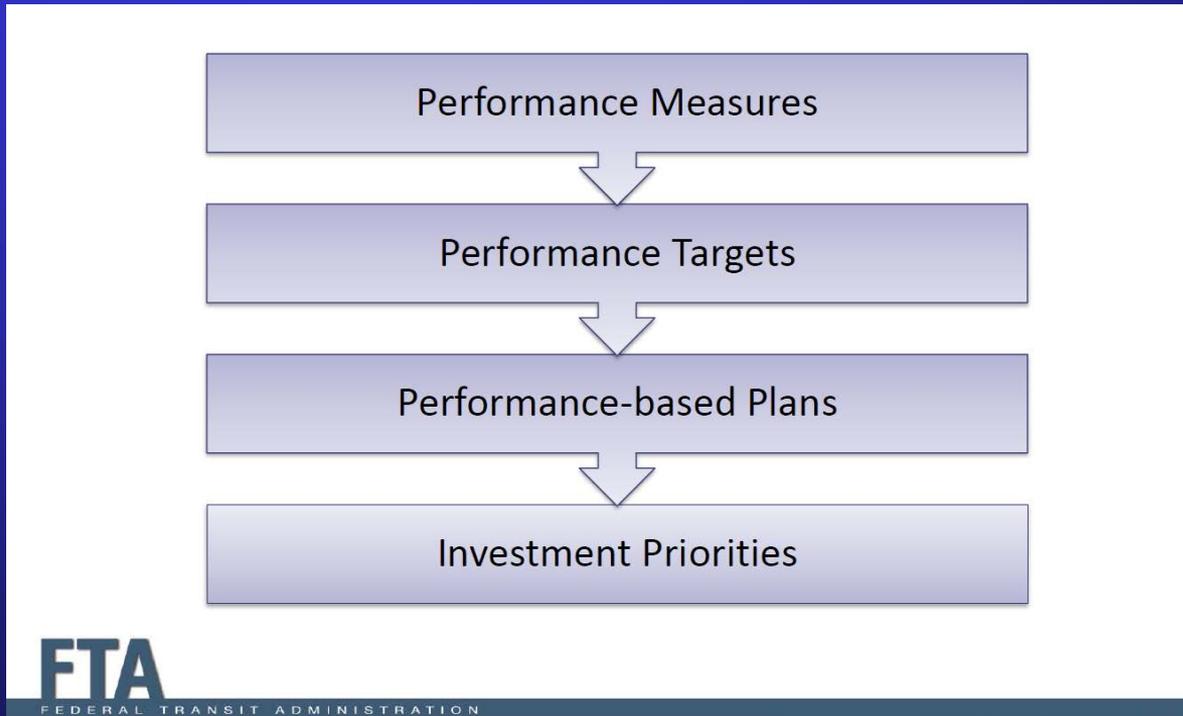
# Transit Asset Management Performance Targets, Discussion

# Transit Asset Management, State of Good Repair Targets

## *At a Glance:*

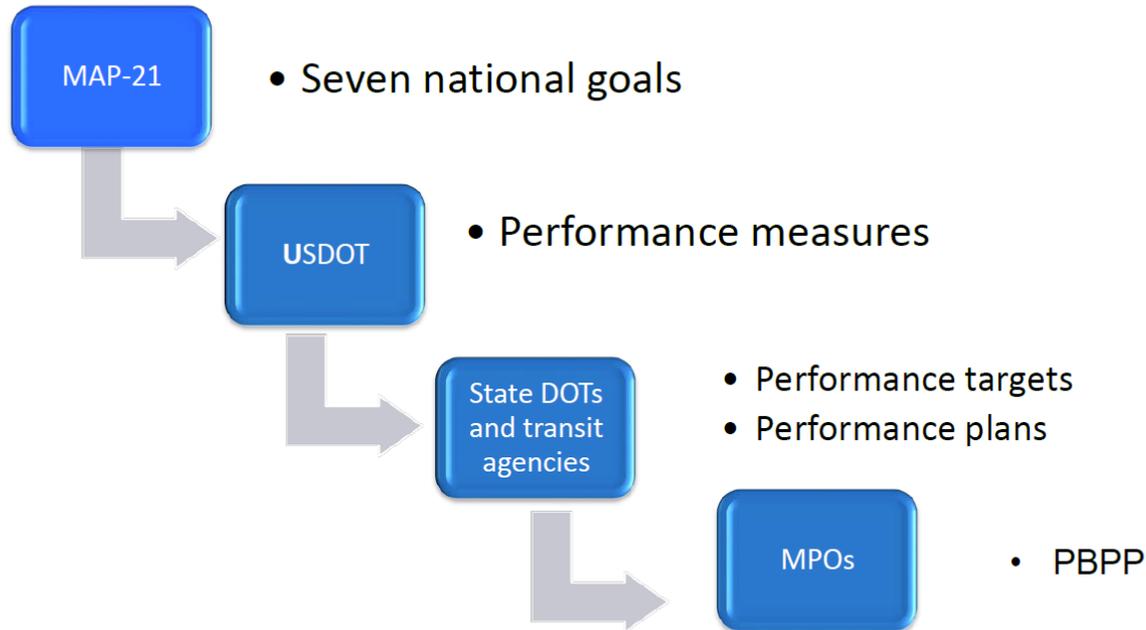
- ◆ *Review MAP-21's Performance Based Planning and Programming*
- ◆ *Timeline for addressing Transit Asset Management*
- ◆ *Role of RTC in TAM*
- ◆ *Review C-TRAN's Initial State of Good Repair Targets*

# MAP-21: Performance Based Planning and Programming



# MAP-21 Performance Management Framework

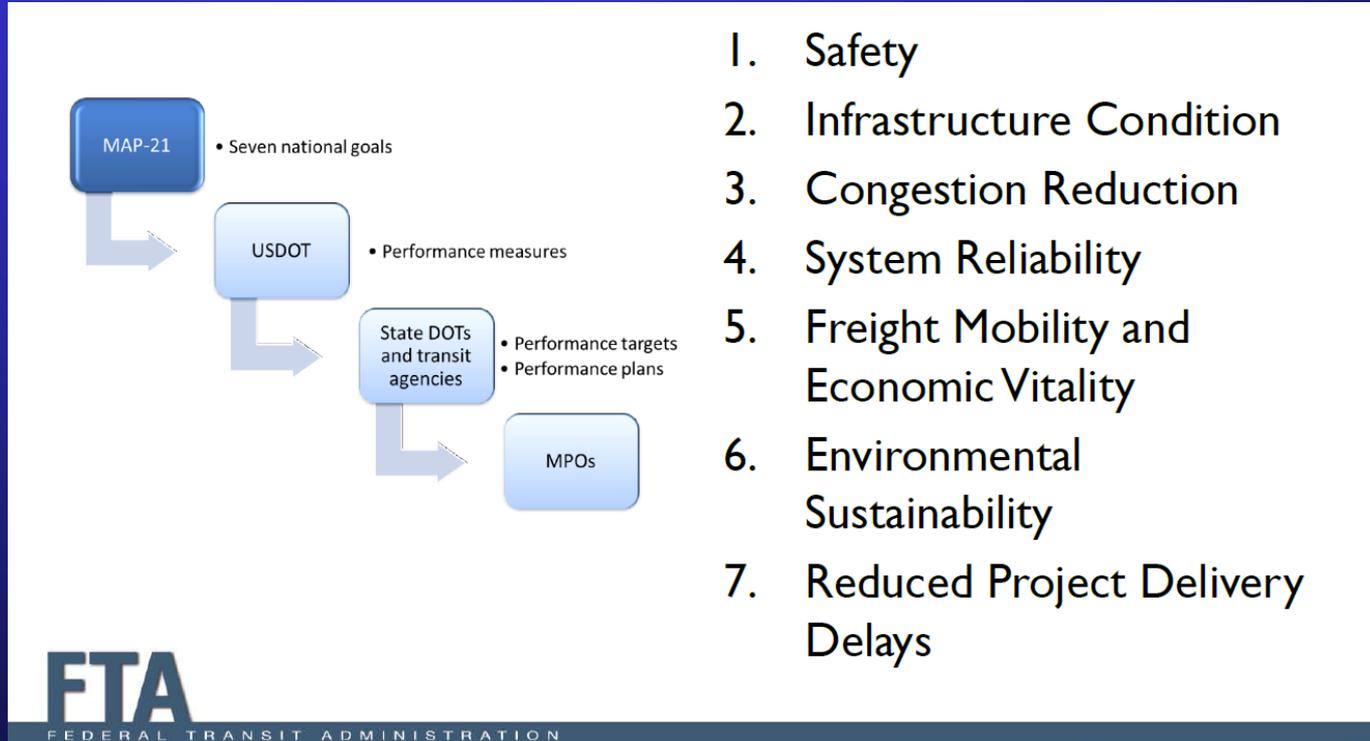
To increase accountability and transparency



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FEDERAL TRANSIT ADMINISTRATION

# MAP-21 Performance Management: Seven National Goals



# MAP-21 Performance Measures: U.S. DOT Rulemakings

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graph TD; MAP21[MAP-21] --> USDOT[USDOT]; USDOT --> StateDOTs[State DOTs and transit agencies]; StateDOTs --> MPOs[MPOs];
```

- Seven national goals
- Performance measures
- Performance targets
- Performance plans

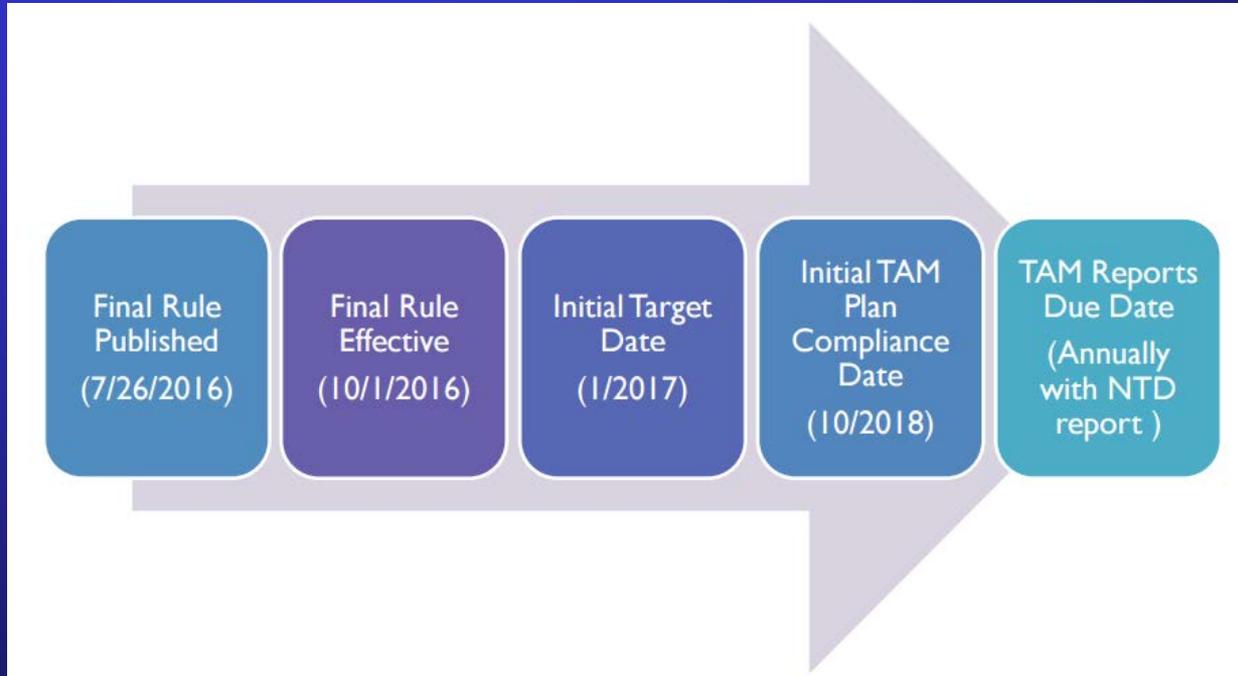
- RULEMAKINGS
  - FTA
    - Safety (5329)
    - State of Good Repair (5326)
  - FHWA 150(c)
    - Safety
    - Asset Condition
    - Congestion, Air Quality, Reliability
  - FHWA/FTA
    - Metropolitan and Statewide and Nonmetropolitan Transportation Planning

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# RTC's Role in TAM, SGR

- ◆ Coordinate with C-TRAN on SGR targets
- ◆ Establish SGR performance targets 180 days after public transportation provider (C-TRAN)
- ◆ Regional Transportation Plan:
  - ◆ incorporate performance measures and targets
  - ◆ document progress toward meeting targets
- ◆ Transportation Improvement Program:
  - ◆ program projects consistent with RTP
  - ◆ reflect RTP investment priorities
  - ◆ make progress toward targets

# TAM Timeline: Key Dates



# FTA TAM Requirements

- ◆ Inventory of all capital assets
- ◆ Assess capital asset condition
- ◆ Develop decision-support tools
- ◆ Prioritize capital investments
- ◆ Develop TAM Plan and SGR policy
- ◆ Describe TAM activities
- ◆ Document required resources
- ◆ Document how TAM is monitored and updated

# Methods for Defining SGR (FTA)



## Age Based

Assets should be scheduled for replacement beyond a certain maximum age

## Condition Based

Assets should be replaced once inspections identify deteriorated conditions

## Performance Based

Assets should be replaced when their deteriorated condition reduces speed or reliability

## Comprehensive Assessment

Combines age, condition, inspections, performance data, and maintenance history

Less Burden

More Accuracy

Less Investment

More Investment

# Transit Asset Management, SGR

State of Good Repair (SGR) Performance Targets	
Category	Target
<b>Rolling Stock</b>	80% of Each Vehicle Class within Useful Life Benchmark (ULB)
<b>Facilities</b>	70% of Each Facility Class $\geq 3$ on Transit Economic Requirements Model (TERM) Scale
<b>Equipment</b>	70% of Each Equipment Class within Useful Life Benchmark (ULB)

# Transit Asset Management, SGR Performance



## Targets: Next Steps

- ◆ Jun. 6 meeting: RTC Board asked to concur with C-TRAN's TAM State of Good Repair Targets
- ◆ By Oct. 1, 2018: C-TRAN to establish Transit Asset Management Plan
- ◆ After Oct. 1, 2018: RTC's RTP and TIP must reflect performance measures and targets
- ◆ C-TRAN to submit annual reports