

# Transportation for America

## Measuring Up: More Bang for the Buck in Transportation Project Selection July 16, 2014

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# Performance Management

- Good governance: define goals, build coalitions, accountability and transparency
- Project optimization
- Fundraising tool, demonstrate ROI
- Analyze policy trade-offs and impacts on other sectors

# MAP-21 Performance Management

PROGRAM	MEASURE CATEGORY
<b>STATUS I</b>	• Serious Injuries per VMT
	• Fatalities per VMT
	• Number of Serious Injuries
	• Number of Fatalities
<b>STATUS II</b>	• Pavement Condition on the Interstates
	• Pavement Condition on the Non-Interstate NHS
	• Bridge Condition on NHS
<b>STATUS III</b>	• Traffic Congestion
	• On-road mobile source emissions
	• Freight Movement
	• Performance of Interstate System
	• Performance of Non-Interstate NHS

# MAP-21 Performance Management

## National Highway Traffic Safety Administration

- Fatalities and serious injuries
- Unrestrained occupant, un-helmeted fatalities
- Speeding-related, drunk driving fatalities
- Young drivers
- Pedestrians

## Federal Transit Administration

- State of Good Repair
- Safety Criteria

# Safety Proposed Rule -- Positives

- Establishes a single, consistent definition for “serious injury.”
- Addresses the safety of all users, not just drivers or passengers
- Addresses all public roads regardless of ownership and functional classification
- Offers flexibility to States and MPOs to go beyond baseline performance measure targets

# Safety Proposed Rule -- Negatives

- States only need only “meet” targets half of the four measures required in law;
- States can “meet” the targets by showing little deviation from pre-existing trends;
- The rule allows for an extreme lag in reporting, responding, and evaluating – usually 4-5 years behind;
- Lumps motorized and non-motorized users together.

# Congestion and Performance

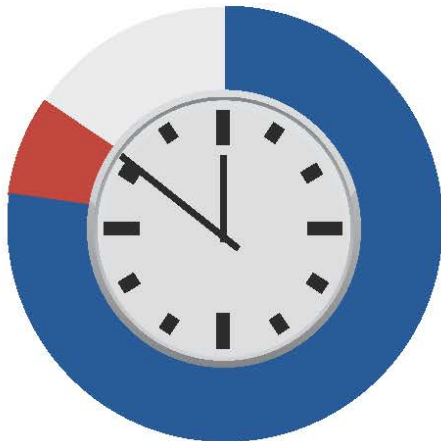
- Annual hours of delay
- Average travel time
- Avoided delay
- Vehicles miles traveled
- Corridor throughput
- Miles traveled in severe congestion
- Reliability

# Congestion and Performance

## Denver 1982

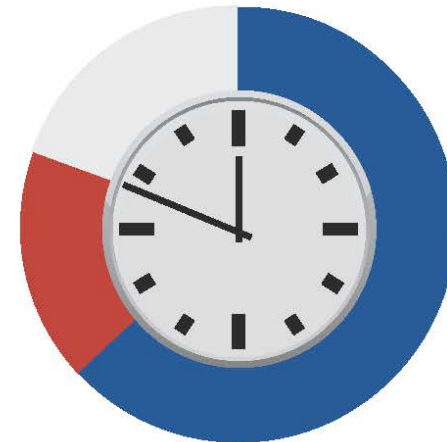
1.09  
50.6 minutes  
46.4 mins  
4.2 mins

Travel Time Index  
Average travel time  
Travel time without traffic  
Extra rush hour delay



## Denver 2007

1.31  
49.6 minutes  
37.9 minutes  
11.7 minutes

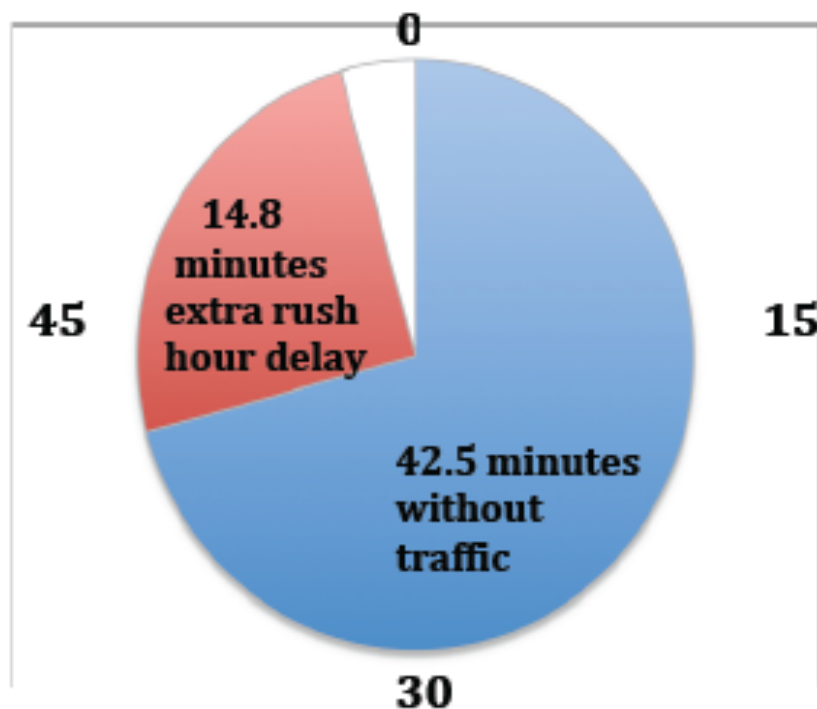




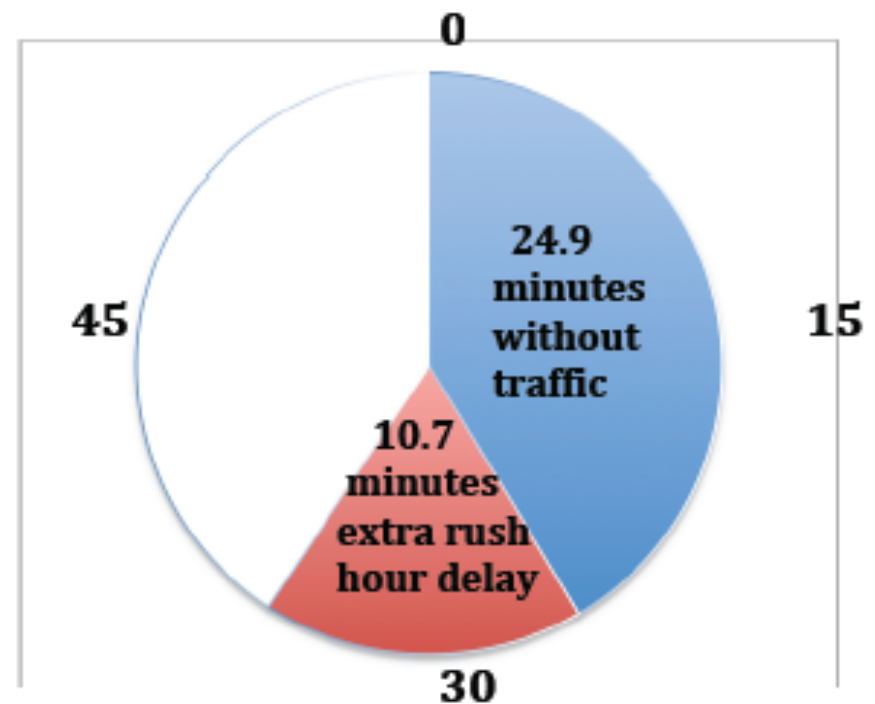
# Congestion and Performance

## Rush Hour Travel Time

Atlanta = 57.4 minutes



Chicago = 35.6 minutes



# What's Missing?

- Climate/Resilience
- Multimodal freight
- Access to opportunity
- Equity
- Public Health
- Economic
- Other environmental

# What's Missing?

- Current measures are based on data we have, not regional/state goals.
- Need more research into best ways to measure value of time, access, etc.
- Need to pay attention to what measures are being used today – some called design standards.