



COLORADO

Department of
Transportation

National Performance Measure Target Recommendations

DRCOG Board – April 18, 2018



Overview of National Highway Performance Program (NHPP)

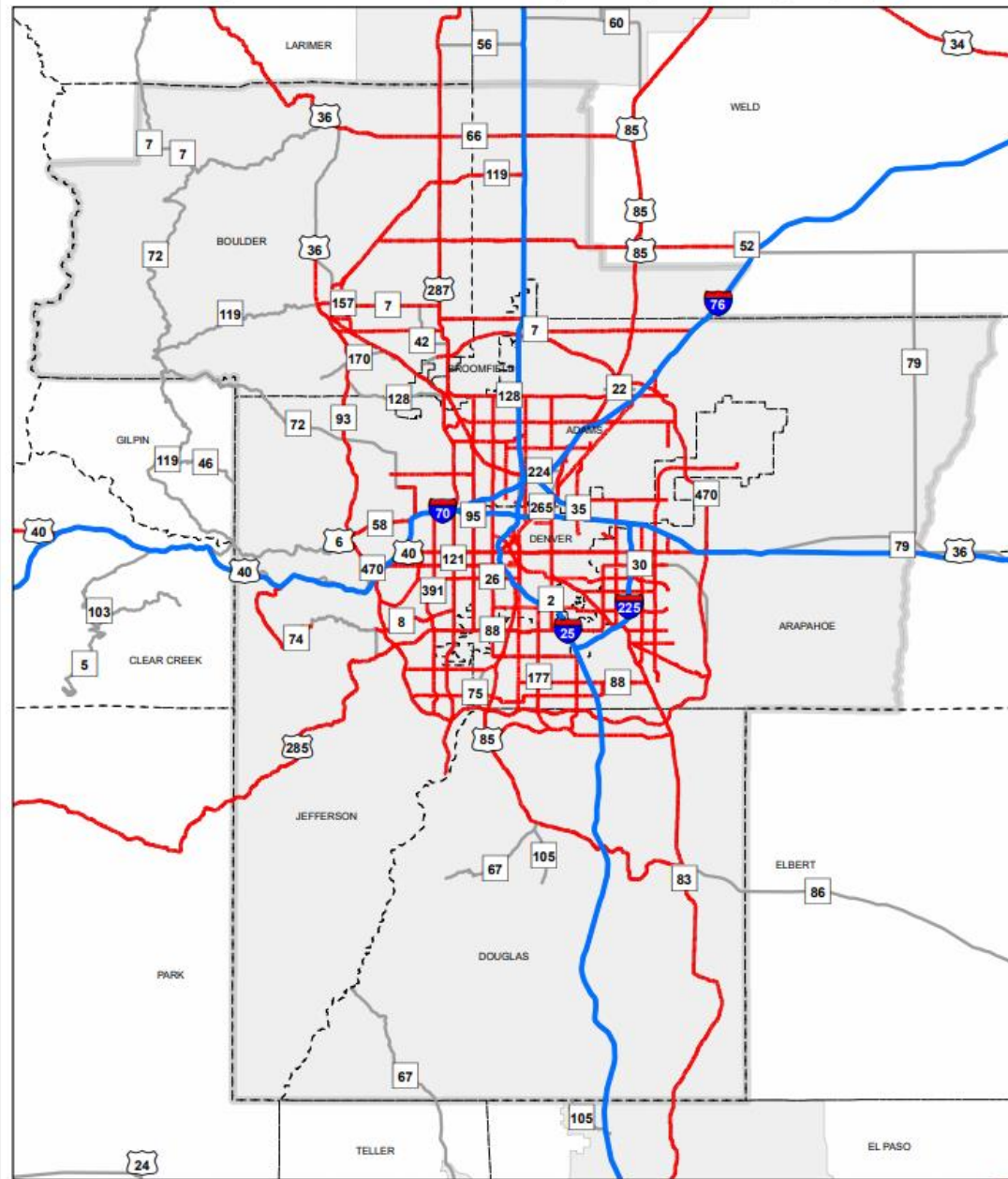
MAP-21 (2012) and the FAST Act (2015) established provisions for federal performance measures for the Interstate and National Highway System.

- Measures are established in 3 performance areas

| Performance Area | State Targets Due | MPO Targets Due | Evaluation Period |
|--|-------------------|-----------------|-------------------|
| Safety | 8/31/2017 | 2/27/2018 | Annual |
| Infrastructure Condition – Pavement and Bridge | 5/20/2018 | 11/15/2018 | Biennial |
| System Performance – System Reliability, Freight, and CMAQ | 5/20/2018 | 11/15/2018 | Biennial |

- Safety targets were developed in August 2017
- State DOTs must set 2-year and 4-year targets for infrastructure condition and system performance by May 20, 2018**

Denver Regional Council of Governments (DRCOG) National Highway System



This information contained in this map is based on the most currently available data and has been checked for accuracy. CDOT does not guarantee the accuracy of any information presented, is not liable in any respect for any errors or omissions, and is not responsible for determining "fitness for use".

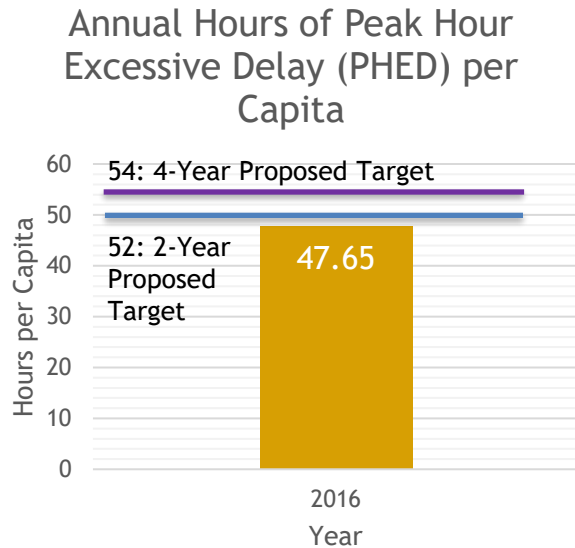
Data Source: CDOT 2017
Map Created: February 2018

- Interstates (190.3 miles)
- Non-Interstate NHS (569.6 miles)
- Other Highways (248.1 miles)
- - - - - Counties
- ▒ MPO

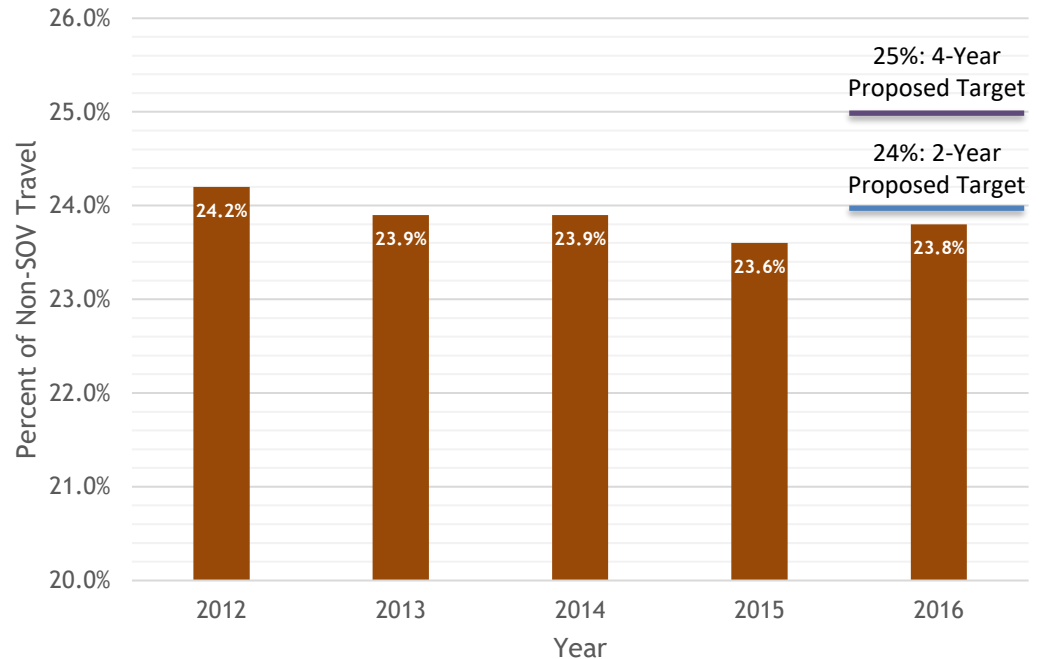


Peak Hour of Excessive Delay (PHED) and Non-SOV Travel Summary

| Measure Area | Performance Measures |
|--|---|
| Measures to Assess the CMAQ Program - Traffic Congestion (Subpart G) | Peak Hour Excessive Delay (PHED) Measure: Annual Hours of Peak Hour Excessive Delay (PHED) Per Capita |
| | Non-Single Occupancy Vehicle Travel (SOV) Measure: Percent of Non-Single Occupancy Vehicle (SOV) Travel |



Denver-Aurora Urbanized Area Non-SOV Travel All Non-SOV Modes



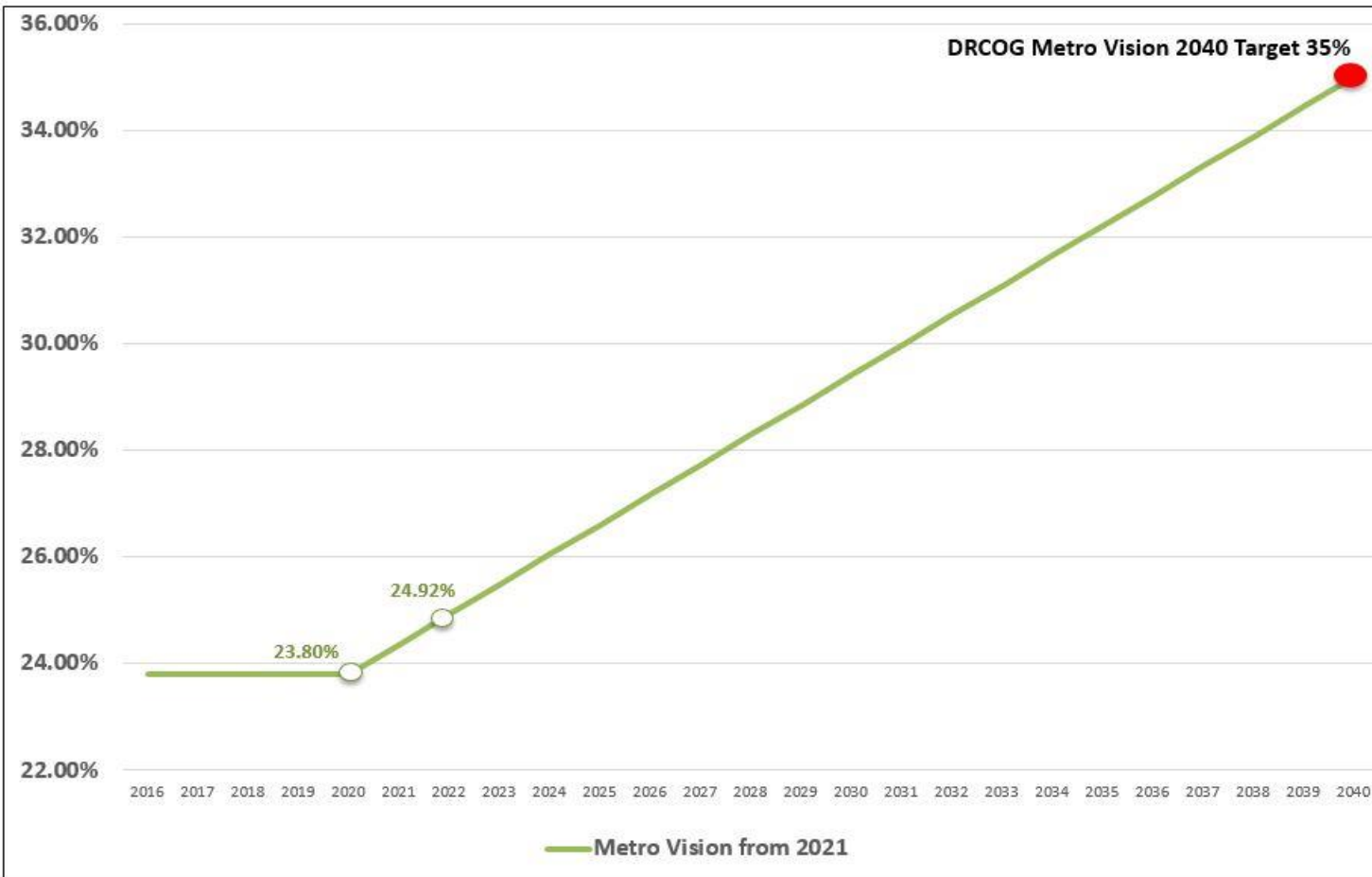
Source: American Community Survey 5-Year Estimates (2012-2016)

Proposed “Metro Vision from 2021”:

- Hold the Line thru 2020
- Starting 2021 - Need a 0.56% yearly increase to hit 2040 Target

| Measure | Where are we today? (Baseline) | Where do we want to be? (2040 Target) |
|---|----------------------------------|---------------------------------------|
| Non- single occupant vehicle (Non-SOV) mode share to work | 25.1 percent (2014) | 35.0 percent |
| Daily vehicle miles traveled (VMT) per capita | 25.5 daily VMT per capita (2010) | 10.0 percent decrease from 2010 |
| Average travel time variation (TTV) (peak vs. off-peak) | 1.22 (2014) | Less than 1.30 |
| Daily person delay per capita | 6 minutes (2014) | Less than 10 minutes |
| Number of traffic fatalities | 185 (2014) | Fewer than 100 annually |

| NON-SOV CALCULATIONS | |
|----------------------|------------------------|
| Year | Metro Vision from 2021 |
| 2016 | 23.80% |
| 2017 | 23.80% |
| 2018 | 23.80% |
| 2019 | 23.80% |
| 2020 | 23.80% |
| 2021 | 24.36% |
| 2022 | 24.92% |
| 2023 | 25.48% |
| 2024 | 26.04% |
| 2025 | 26.60% |
| 2026 | 27.16% |
| 2027 | 27.72% |
| 2028 | 28.28% |
| 2029 | 28.84% |
| 2030 | 29.40% |
| 2031 | 29.96% |
| 2032 | 30.52% |
| 2033 | 31.08% |
| 2034 | 31.64% |
| 2035 | 32.20% |
| 2036 | 32.76% |
| 2037 | 33.32% |
| 2038 | 33.88% |
| 2039 | 34.44% |
| 2040 | 35.00% |





Next Steps

- **March 2018** - Colorado Transportation Commission workshop on Infrastructure Condition and System Performance.
- **April 2018** - Anticipate that the Colorado Transportation Commission will adopt target recommendations for Infrastructure Condition & System Performance.
- **May 20, 2018** - Deadline for submitting statewide targets for Infrastructure Condition and System Performance to FHWA. Includes the unified targets for PHED and Non-SOV metrics
- **October 1, 2018** - CDOT reports baseline performance for Infrastructure Condition and System Performance to FHWA.
- **November 15, 2018** - Deadline for MPOs to support the statewide target or develop their own targets for Infrastructure Condition and System Performance