



**COLORADO**

Department of  
Transportation

**IBTTA: Focus on Colorado-A Growing State  
Steeped in Innovation and Collaboration**  
*September 12, 2016*



**COLORADO**  
Department of  
Transportation

**FY 2016-2017**

**\$1.44 BILLION BUDGET**

# CDOT RESPONSIBILITIES

ADMINISTERS  
**\$208**  
MILLION  
EACH YEAR IN FEDERAL  
**GRANTS**



**3,454**  
  
**BRIDGES**

**CDOT**  
MAINTAINS & OPERATES  
**23,000**  
  
**TOTAL**  
LANE MILES  
OF HIGHWAY



**DIVISION OF  
TRANSIT  
AND RAIL**

ADMINISTERS FED/STATE  
GRANTS AND OPERATES  
BUSTANG

**6.1** MILLION  
MILES  
PLOWED  
OF SNOW PER YEAR



**35** MOUNTAIN  
PASSES  
OPEN YEAR-ROUND



**AIRPORT**  
PLANNING  
INTERFACE WITH FAA



Source: Colorado Department of Transportation, 2014



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# THEN AND NOW

## *per capita spending*

1991

VS.

2015

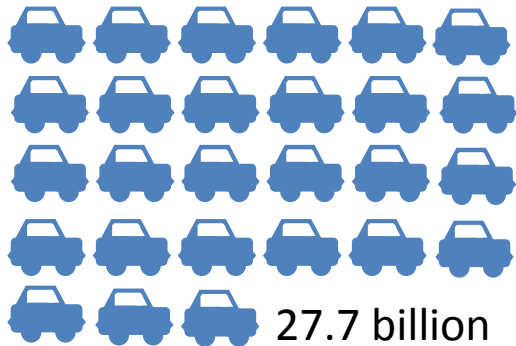


3.3 million



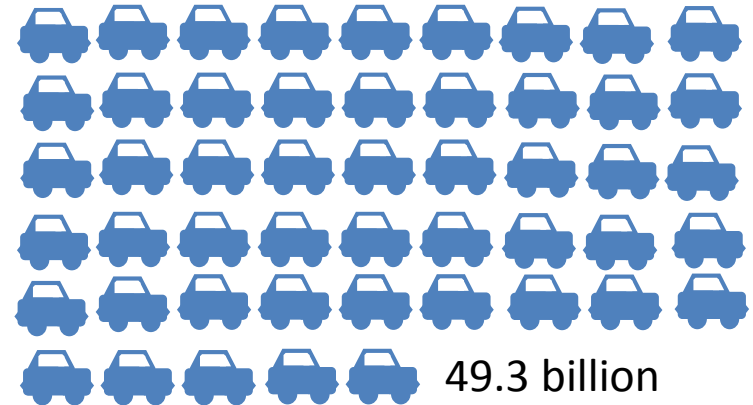
5.4 million

population



27.7 billion

vehicles miles traveled



49.3 billion

vehicle miles traveled

vehicle  
miles  
traveled



\$125.70/person

dollars  
spent/person



\$68.94/person

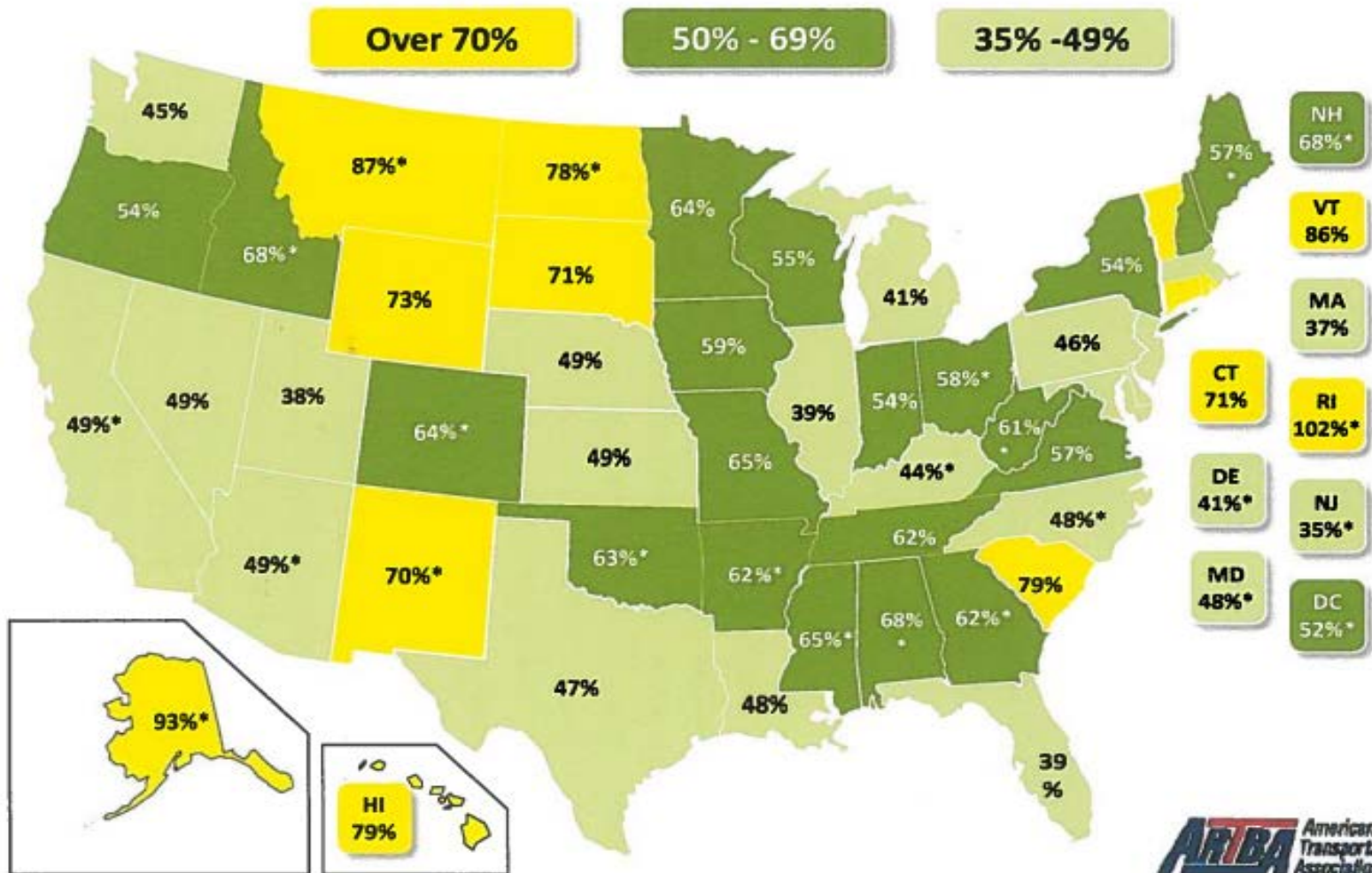
*All dollar figures adjusted for inflation*



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# FUNDING AND BUDGET

*use \$2 federal for every \$1 state*



Source: ARTBA analysis of "FHWA Highway Statistics" data, total 10-year average 2001-2011 from Tables SF-1 and SF-2. The percent is the ratio of federal-aid reimbursements to the state and total state capital outlays and is indicative of the importance of the federal-aid program to state capital spending for highways and bridges. Does not include local capital spending. Federal highway reimbursements are primarily used for capital outlays, including construction, right-of-way acquisition and engineering, but are also used for debt service for GARVEE bonds.

\* States that have issued GARVEE bonds before 2011.



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# OUR CHALLENGE

*continued growth*

From  
2013  
to  
2040



Population

**+47%**



**7.8 MILLION  
COLORADANS**



Vehicle Travel

**+47%**



**41.8 BILLION  
MILES TRAVELED**



**Avg. Traffic Delay  
on congested corridors**

**2 to 3  
TIMES**



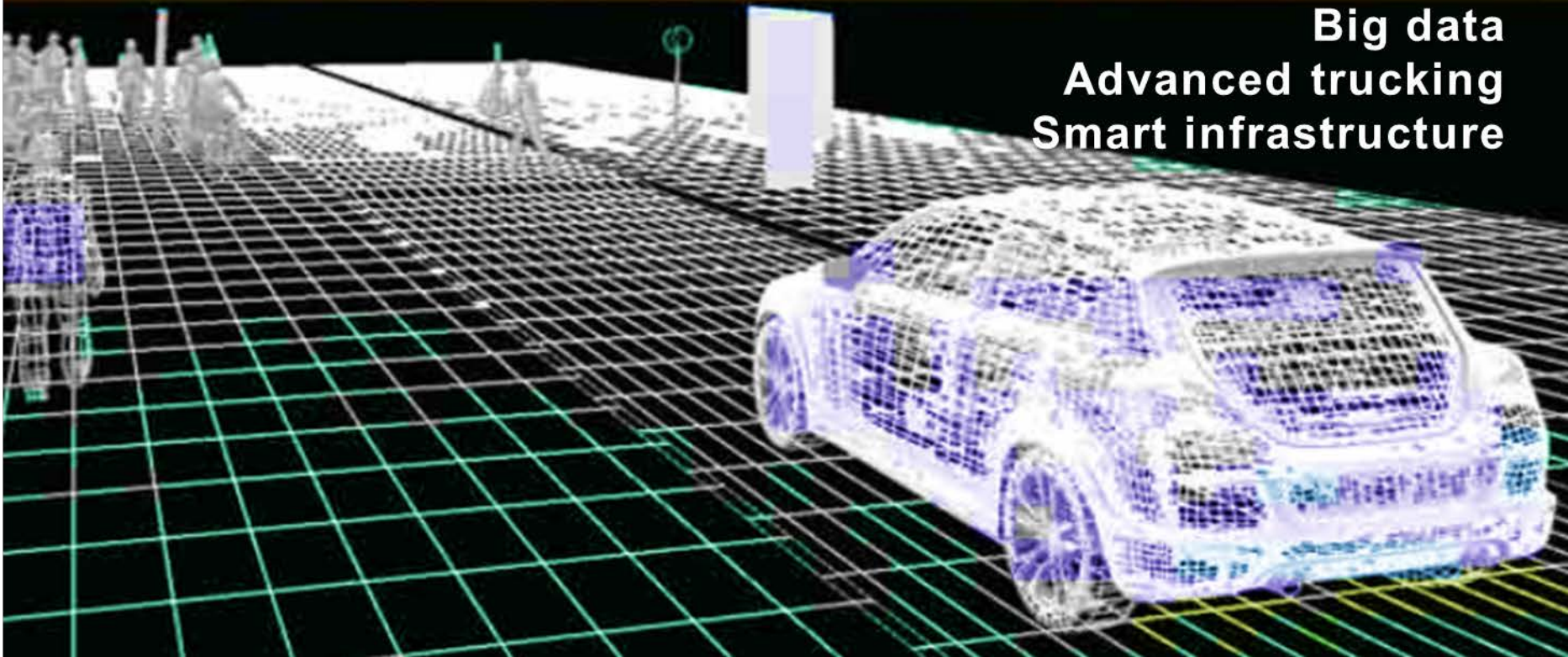
**DURING  
PEAK HOURS**  
(if we do nothing)



**ROAD**X

# Transforming safety, mobility and transport through technology

**Connected vehicles**  
**Big data**  
**Advanced trucking**  
**Smart infrastructure**





# Region-wide Express Lanes

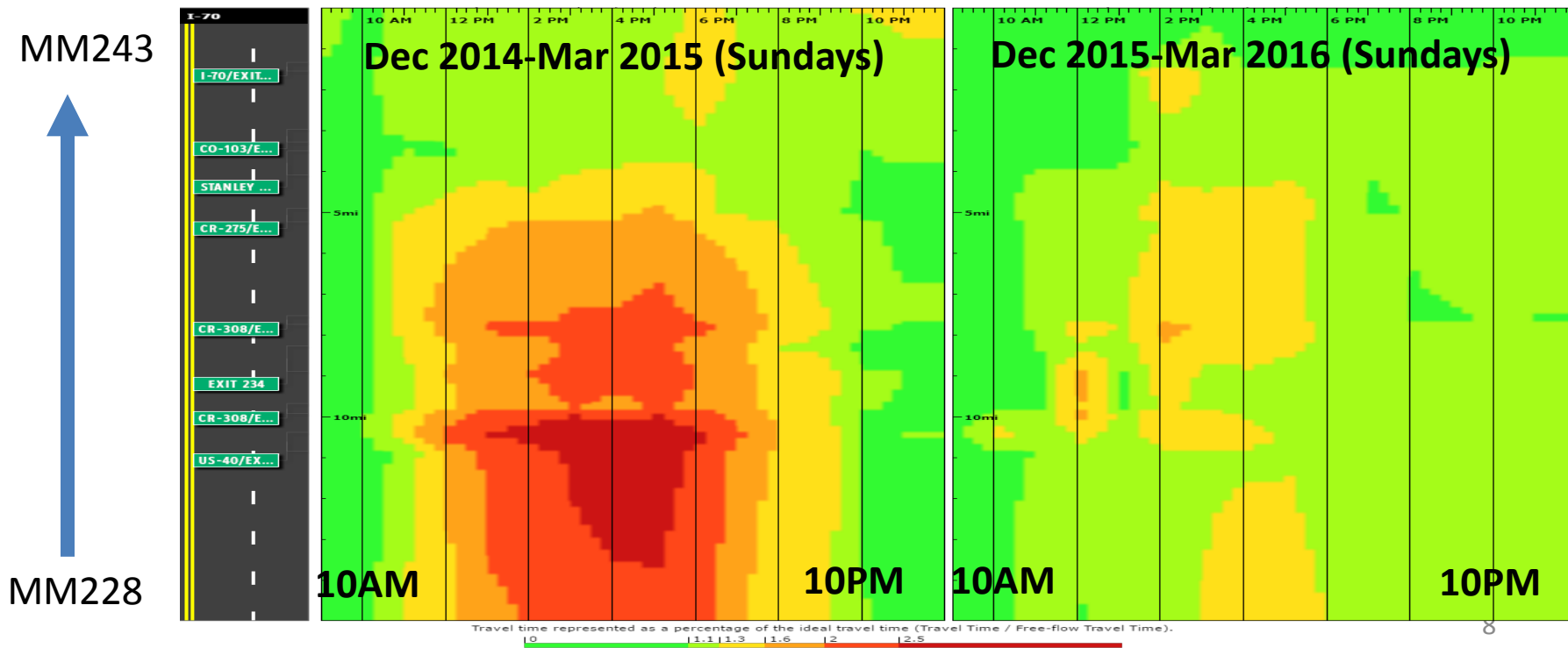
- US 36
- I-25: Central, North and from Johnstown to Fort Collins
- I-70 Mountain
- C-470
- Potentially on Central 70



# I-70 Mountain Express Lane

- Express Lane delivers operational improvements and all lanes benefit
  - Compare speeds from 2012 pre-construction to present/Express Lane (2012 - 2016):
    - More consistent speeds, clears incidents and we've seen overall faster speeds: 26 to 52% reduced travel times

## Travel Time Index (EB Sundays on I-70 from MM 228-243-Georgetown to VMT)







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**QUESTIONS?**