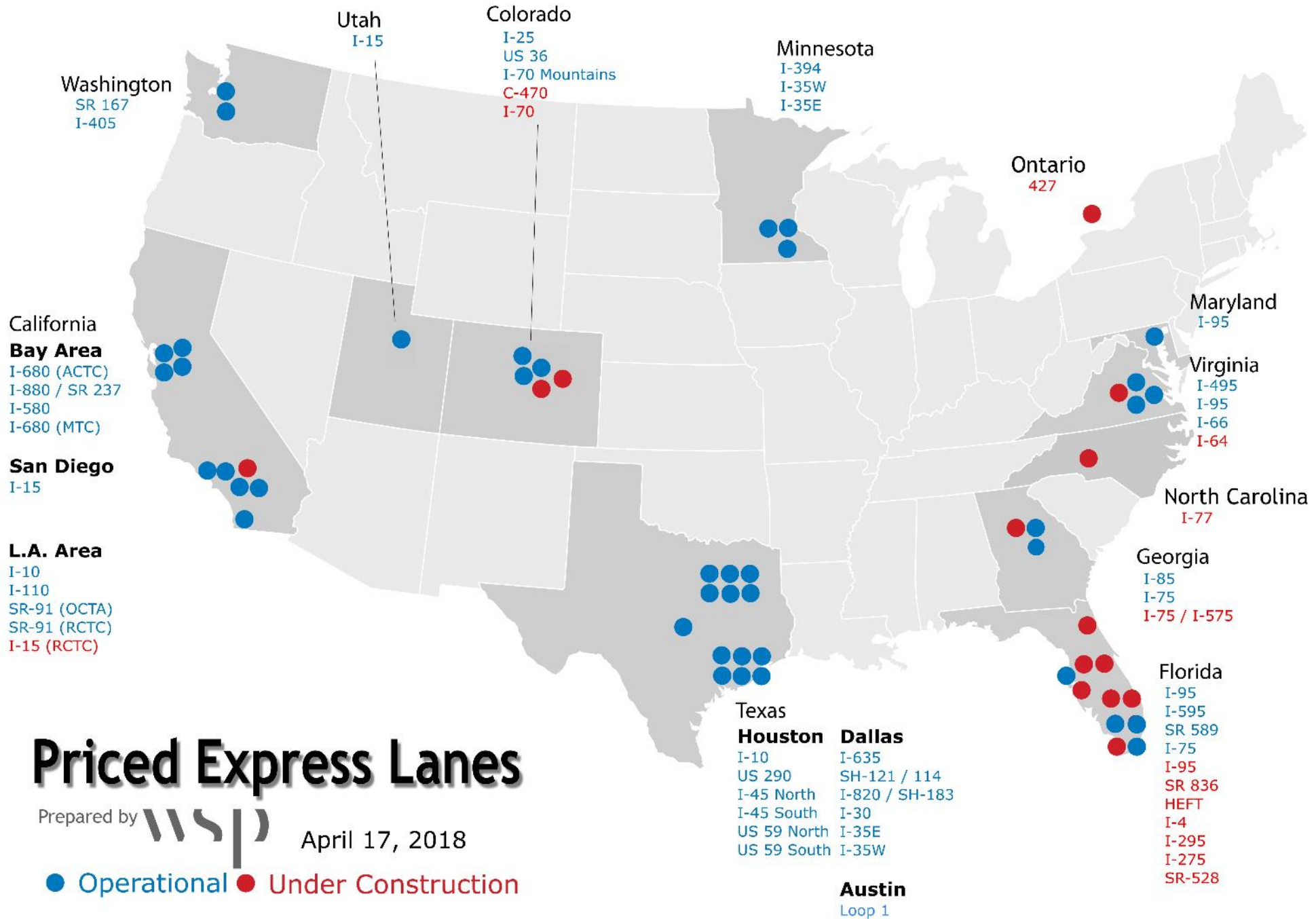




Colorado SB 18-01 Managed Lanes Study

● Transportation Legislation
Review Committee

David Spector, Director
Colorado High-Performance Transportation Enterprise
October 1, 2018 | 10:00 am



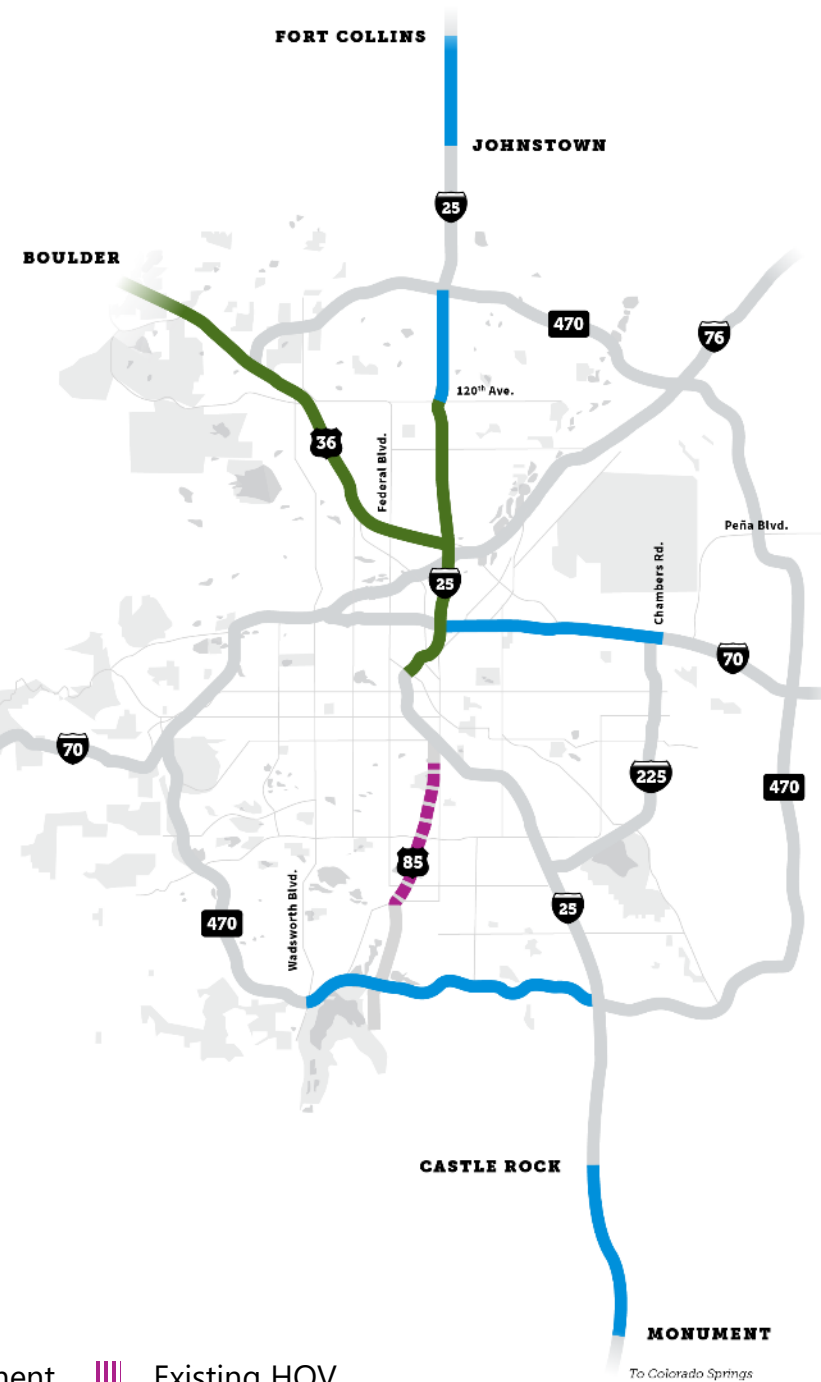
Priced Express Lanes

Prepared by **WSP**

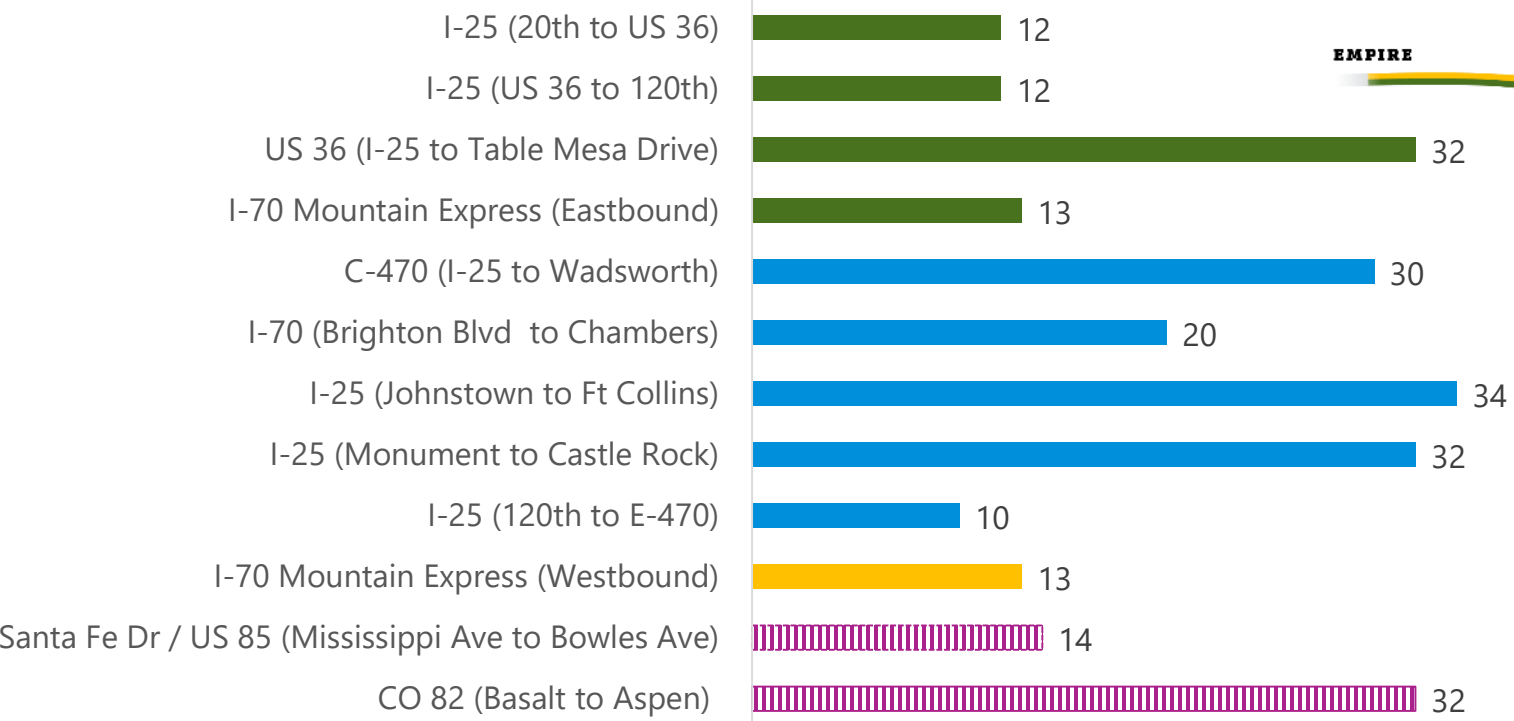
April 17, 2018

● Operational ● Under Construction

Managed Lane Facilities in Colorado



Lane Miles of Managed Lanes



■ Operational Express Lane
 ■ Express Lane Under Construction
 ■ Express Lane In Development
 ▤ Existing HOV

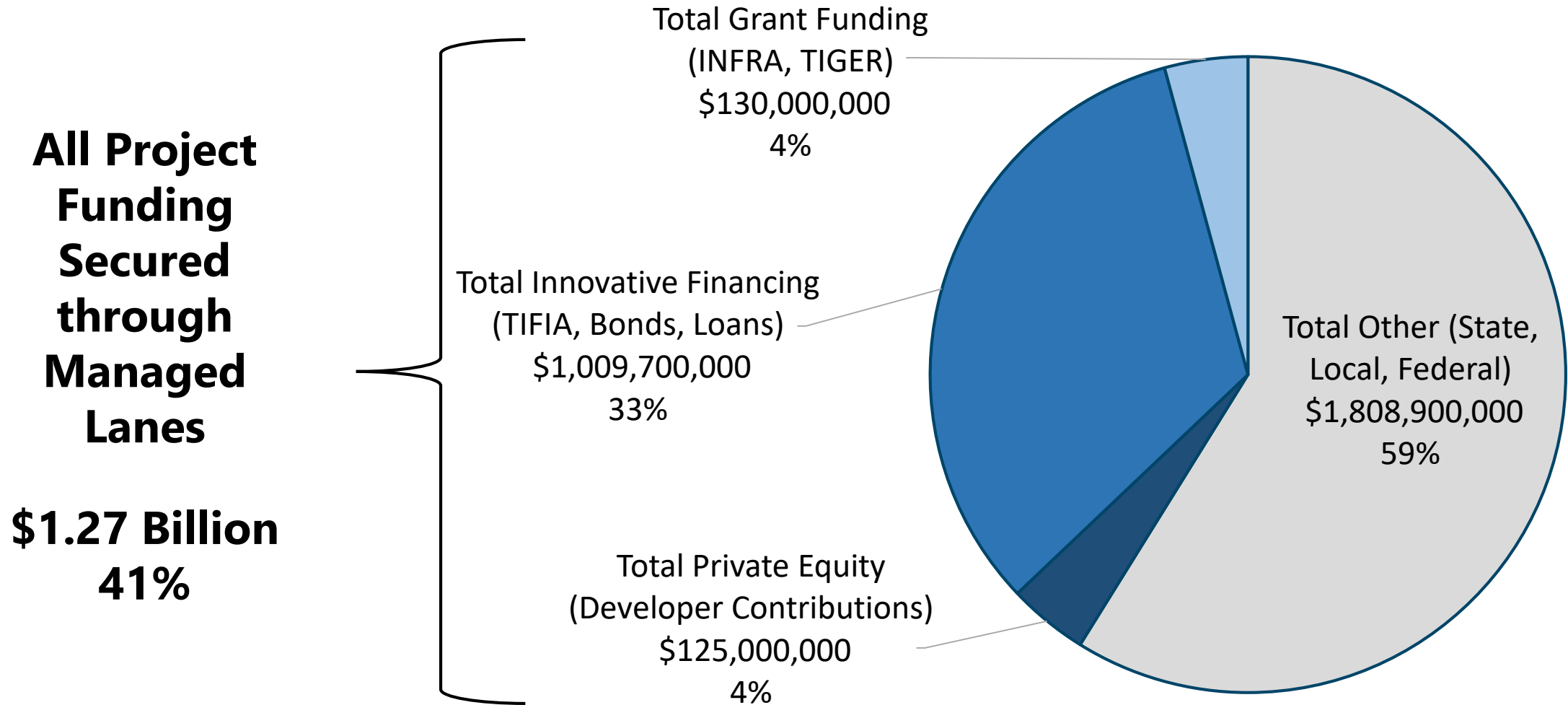
To Colorado Springs

Managed Lanes Study

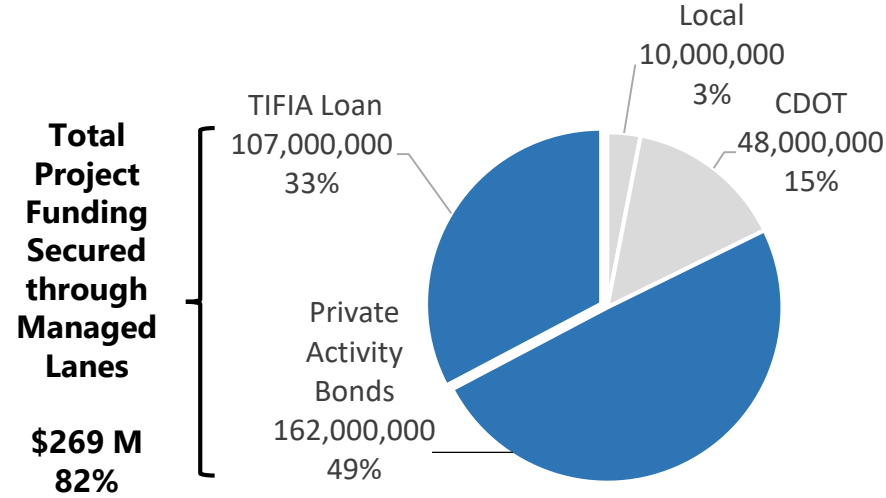
2

How Managed Lanes are Used to Finance Highway Projects

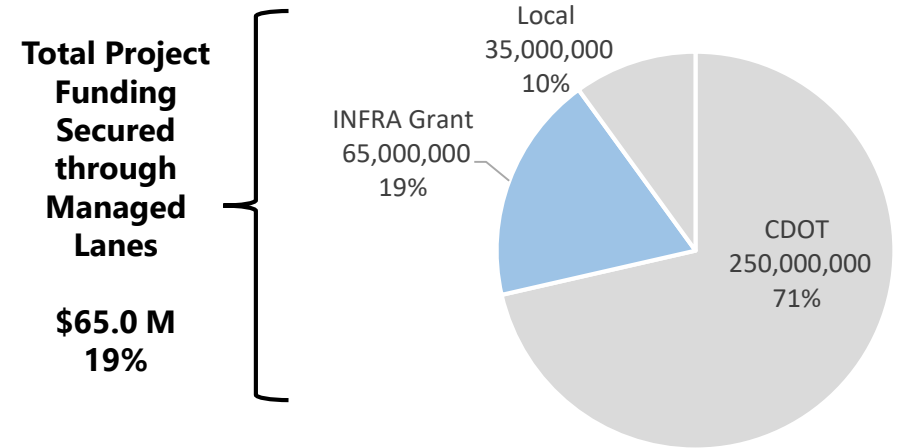
Funding Summary: All Managed Lanes Projects (\$3.1 Billion)



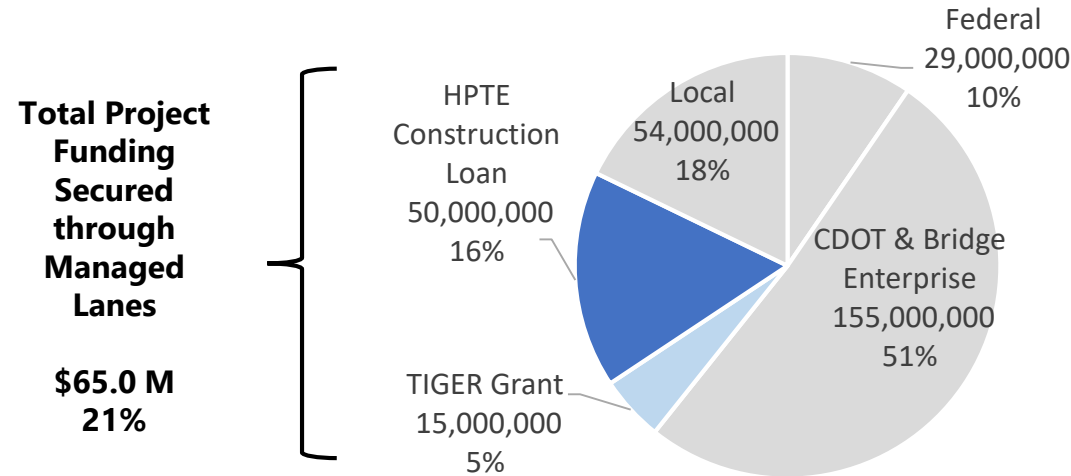
Examples of Specific Managed Lanes Projects



C-470: I-25 to Wadsworth (Total \$327 M)



I-25 South: Monument to Castle Rock (Total \$350.0 M)



I-25 North Johnstown to Fort Collins (Total \$303.0 M)

Managed Lanes Study

3

Transit, Safety, & Public Perception Impacts

Public & Customer Perception

- Initial public resistance to Express Lanes
- Many supportive after becoming accustomed to the benefits of Express Lanes



Managed Lanes Study

4

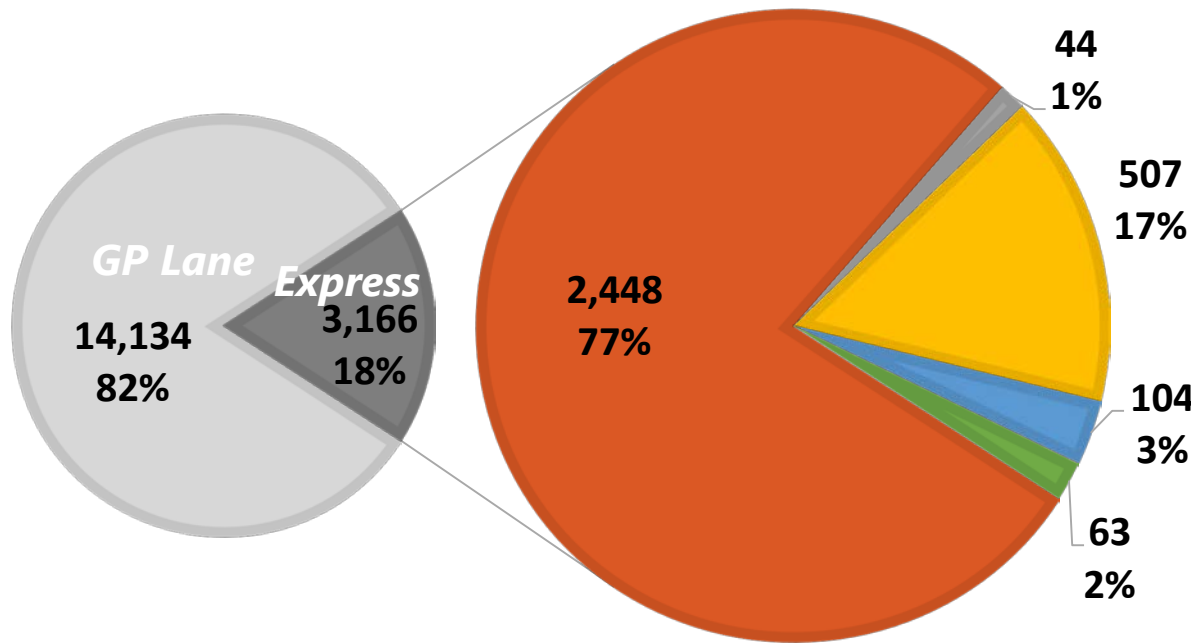
Trips on Managed Lanes by Different Vehicles

Peak-Period
Express Lane Volumes:
1-25
(US 36 to 120th)

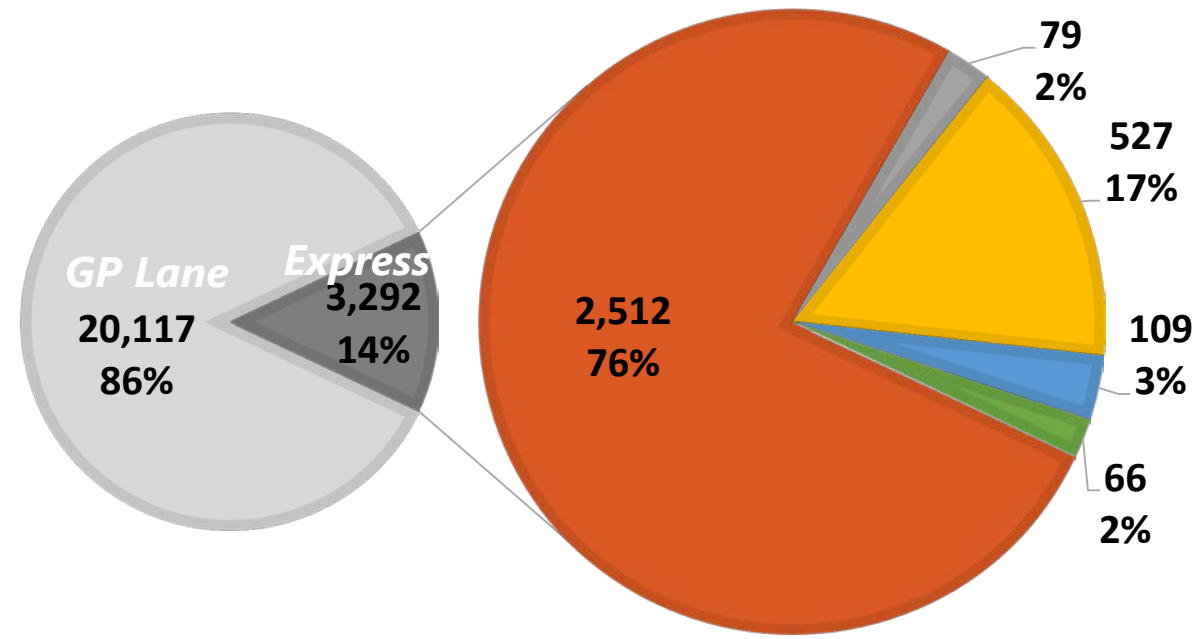
Traffic Types



Southbound: AM Peak



Northbound: PM Peak



Total Volumes
(17,300)

Toll Transactions

Total Volumes
(23,409)

Toll Transactions

Managed Lanes Study

5

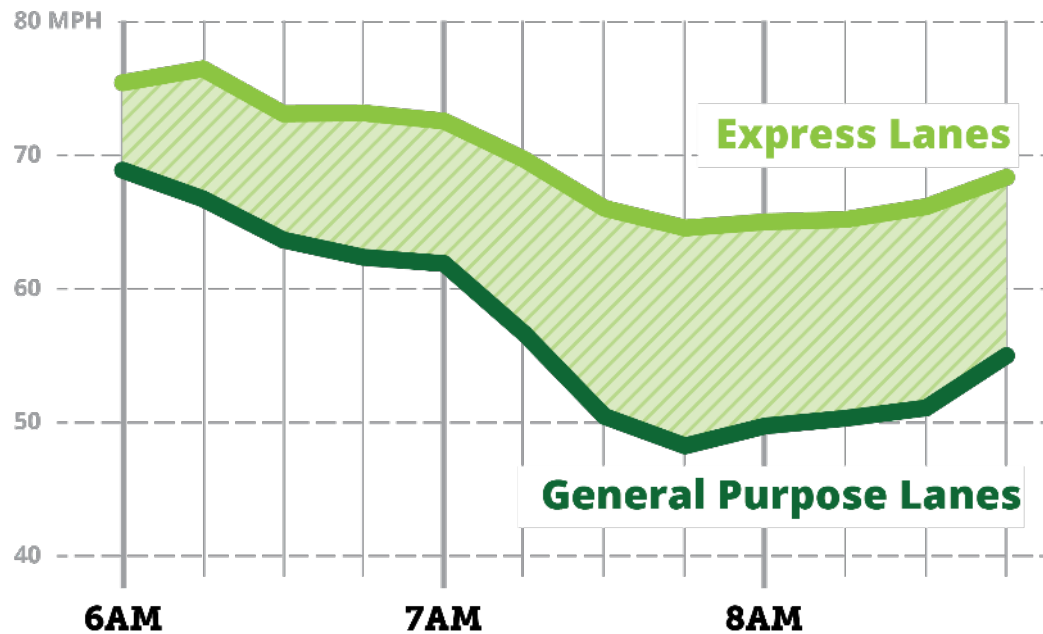
Corridor Specific Impacts

US 36 (I-25 to Table Mesa)

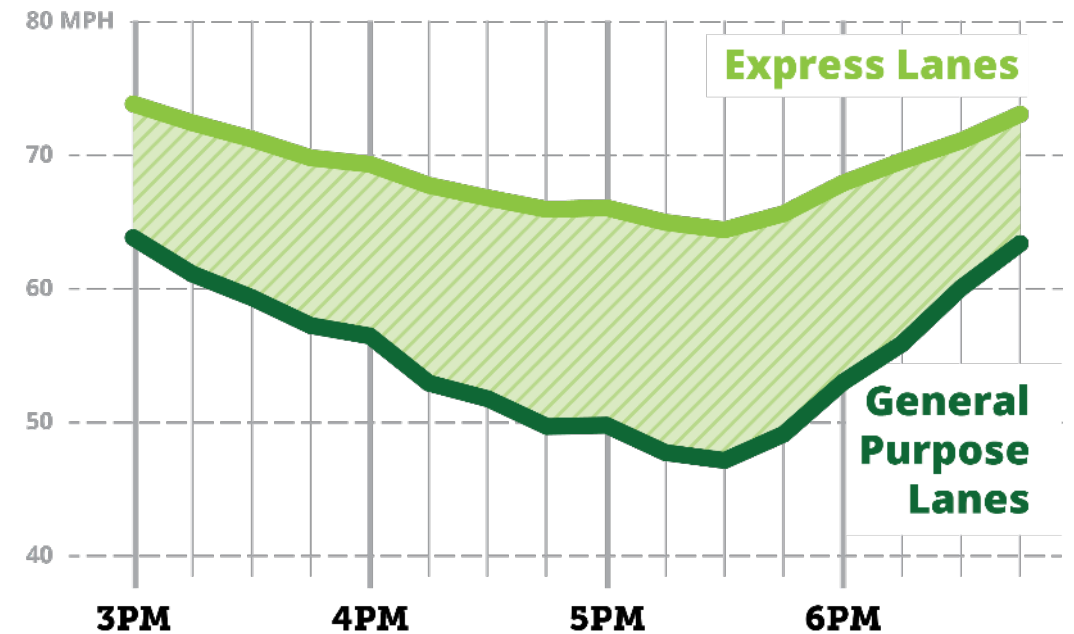
Peak Period Speed Differential

- AM Period – 7 to 16 mph (Westbound)
- PM Period – 10 to 17 mph (Eastbound)

WESTBOUND Morning Peak



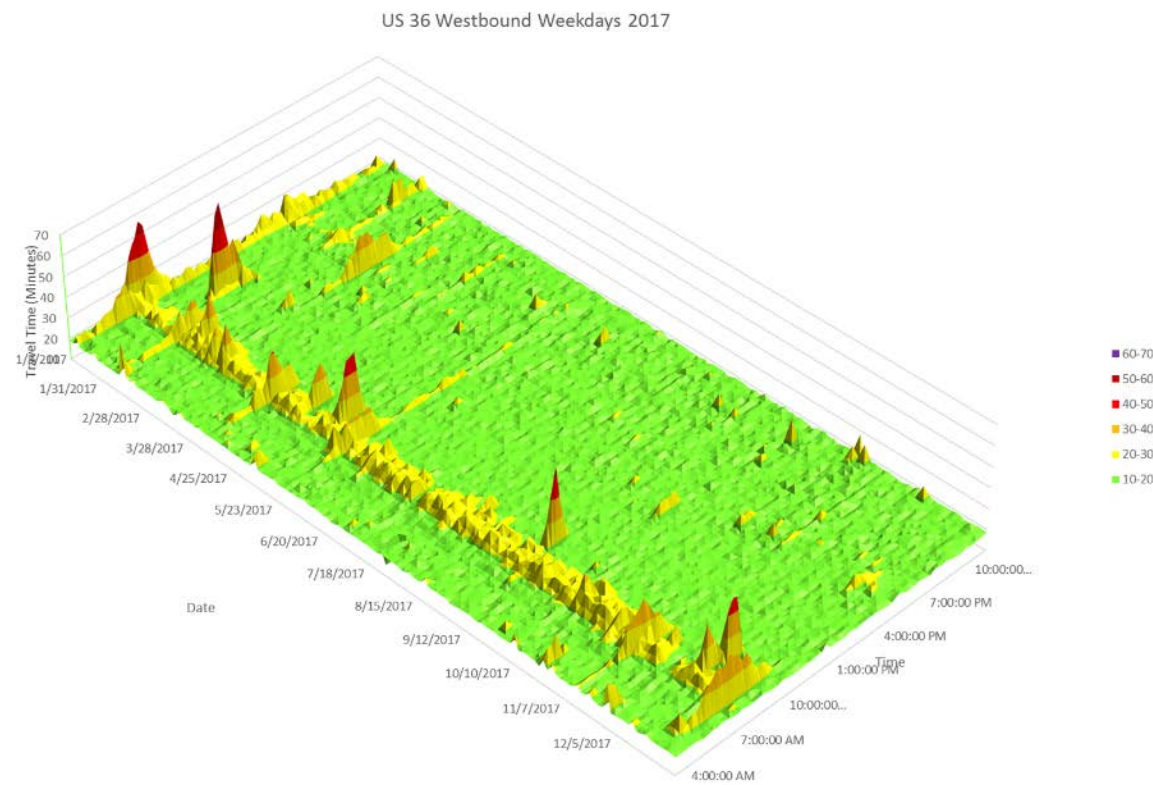
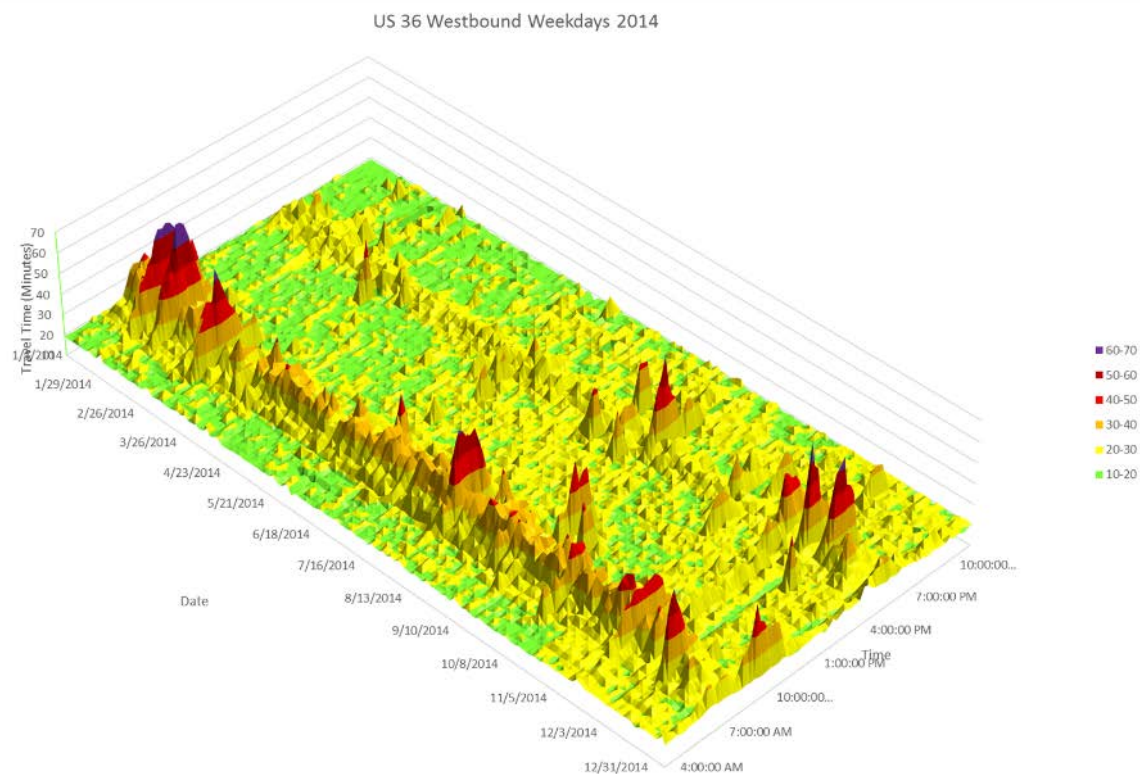
EASTBOUND Afternoon Peak



US 36 (I-25 to Table Mesa)

Corridor Performance Improvement

- Travel time spikes > 30 min nearly eliminated
- Vast majority of AM travel times near 20 minutes



Key Takeaways

Express Lanes are operationally successful; offering consistent travel time savings, reliability, and speed benefits

Proven to improve corridor congestion and delay during peak-periods

Have resulted in increased transit and mobility options

Public opinion is initially opposed, but motorists understand the value of Express Lanes once they use the system

Express Lanes have accelerated delivery of over \$3B in projects that otherwise would have been significantly delayed

