



TOGETHER
WE GO



NCLA meeting

Dec. 6, 2016

Presented by Johnny Olson, Regional Transportation Director

Purpose

To save lives and make lives better by providing freedom, connection and experience through travel.



2017

Values

Safety, people, integrity, customer service, excellence and respect are at the heart of all that we do.

Summit

The best DOT in the country for all customers by focusing on our people, leading-edge technology and a healthy multi-modal system.

Peaks

Base Camps

Technology

Help Our People with Technology

Big Data

Improve Travel Experience with Technology

People

Internal Customer Focus

Develop Leaders

System

Asset Condition

Improve Customer Experience





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WHY IS THIS IMPORTANT? *transportation impacts us all*

Traffic congestion in Colorado costs drivers \$1.35 billion annually in delays and fuel- an average of \$913 per person.

Transportation and
mobility are key
contributors to quality
of life and economic
growth in Colorado.



A 10% decrease in traffic congestion results in a 1% increase
in economic productivity.



I-25 Coalition

- Unified voice for the corridor
- Forum to continue discussions
- Potential to serve as a strong advocate for funding the desired corridor improvements
- CDOT is working with these coalitions and individual communities to ensure that concerns are addressed comprehensively

Business Coalition

David May
davidmay@fcchamber.org
970-482-3746

Elected Officials' Coalition

Barbara Kirkmeyer
bkirkmeyer@weldgov.com
970-336-7204



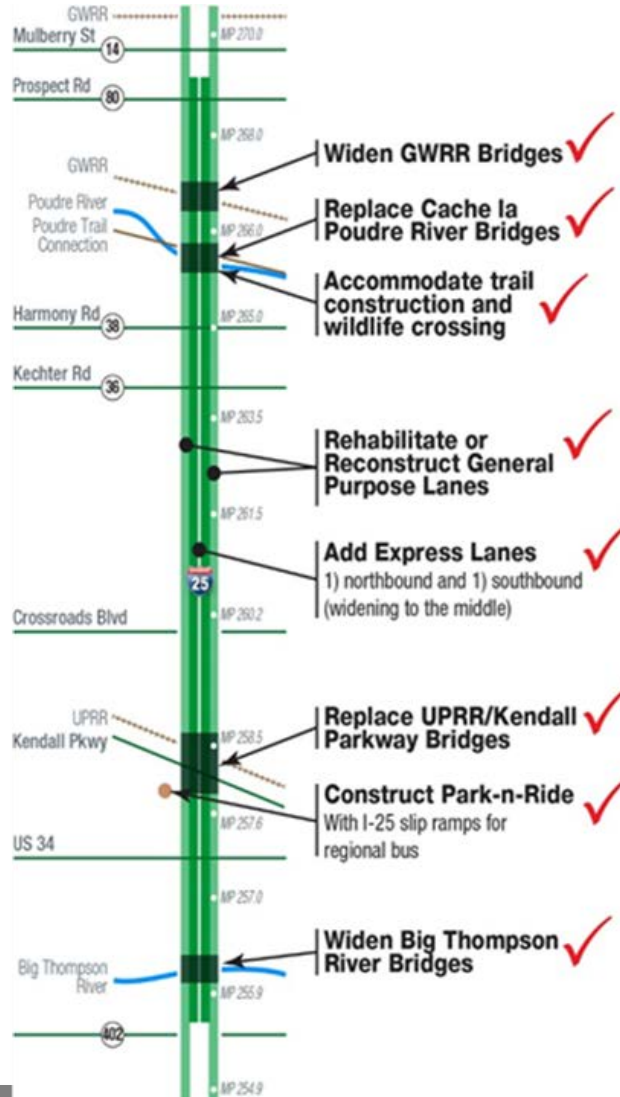


I-25 Current Activity

- **Bustang Regional Bus Service**
 - Six round trips / day (plus Ram Ride on Sundays)
- **Crossroads Interchange bridges**
 - Complete by December, 2017
- **Southbound Truck Climbing Lane at Berthoud Hill**
 - Construction began Spring 2016; lane to open Dec. 2016
- **Design alignment: Johnstown to Fort Collins**
 - Construction to begin Feb. 2018 to Dec. 2020



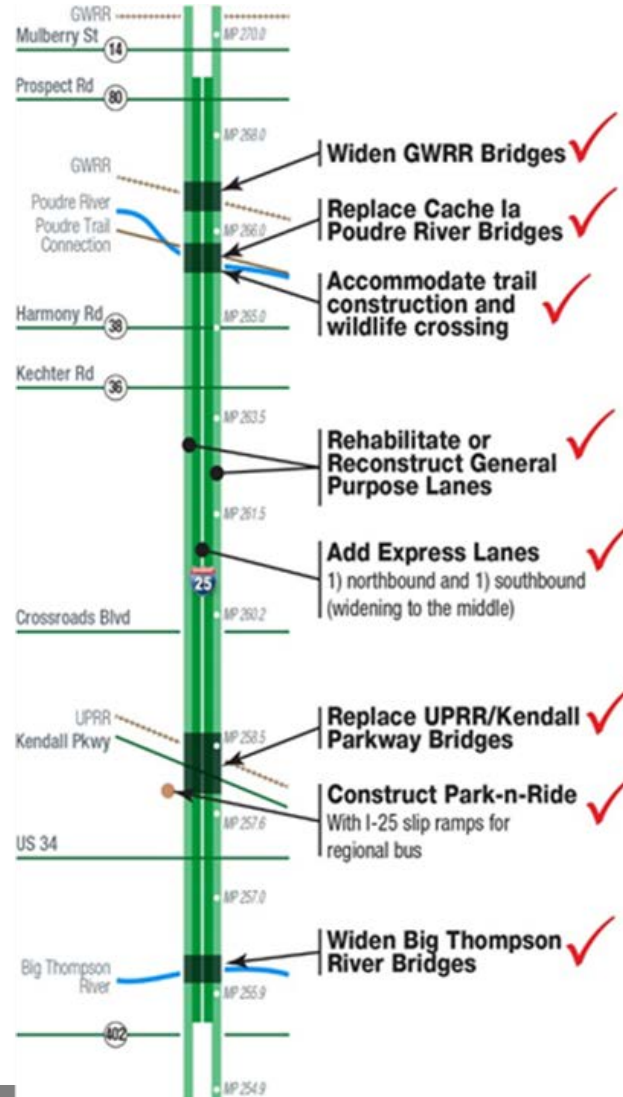
I-25 Express Lanes



Improve I-25 mainline:

- Add one tolled Express Lane in each direction will facilitate a reliable trip for Bustange
- Incorporate state of the art intelligent transportation technologies
- New underpass at Kendall Parkway

I-25 Express Lanes



Replace Cache la Poudre River Bridge

- Replace bridge
- Accommodate the extension of the Poudre River Trail
- Raise the bridge out of the floodplain

Widen Great Western Railway Bridges

Widen Big Thompson River Bridges

Build Express lane that will facilitate a reliable trip for Bustange





I-25 Express Lanes

How are we paying for it?

Federal Funds:

- \$30M from other federal programs
- \$15M in funding from USDOT TIGER grand award

State Funds:

- \$50M commercial loan against tolling revenue
- \$117M From TC
- **Local Government and Private Funds:**
- \$25M from: the Counties of Larimer and Weld and the City and Towns of Berthoud, Fort Collins, Johnstown, Loveland, Timnath, and Windsor



I-25 Express Lanes

Keys to Success

- USDOT Discretionary Grant programs (TIGER) funding will make this phase of the project whole.
- Political environment (active coalitions, election year politics)
- Colorado visibility to USDOT
- Regionalism
- Safety, mobility, multimodal improvements, HOV/TEL, Innovative Technology





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INNOVATION

in how we move and funding

EXPRESS LANES



I-70 Mountain Express Lane



US 36 Express Lanes



I-25 Express Lanes

What is an Express Lane?

- Express Lane has operational strategies to provide travel reliability, flexibility in responding to changing conditions
- Strategies include tolling and HOV requirements
- TC adopted Managed Lanes Policy Directive requires consideration of managed lanes to address congestion
- Current fiscal condition limits funding availability from state

EXPRESS
LANES | **NORTH**
I-25

Johnstown to Fort Collins





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Flood Recovery Program



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Planned Flood Recovery Program

Planned Total Program	\$743,644,458
– CDOT Match	\$24,031,589
– OEM and Local Match	\$17,229,770
Planned FHWA Contribution	\$702,383,099
Received from FHWA ER	\$450,000,000
Remaining Funding Needed	\$252,383,099



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Obligation of Funding

FHWA ER Obligation Available

\$365,767,867

– FHWA ER Allocation

\$450,000,000

– Transferred to CFL

(\$84,232,133)

Obligation To Date

\$318,588,173

– Local Agency Projects yet to be Obligated

\$19,129,225

– ***Remaining Allocation to Obligate***

\$28,050,469



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What Has Been Accomplished

- **All 37** CDOT Emergency Repair Projects completed by Nov. 27th 2013.
- **All 67** Local Agency Emergency Repair Projects completed
- Design for **all 32** CDOT Permanent Repair Projects continues.
- Construction for **21 of the 32** PR projects is underway or complete.
- Design for **all 23** Local Agency Permanent Repair projects is complete or on-going.
- Construction for **13 of the 23** Local Agency PR projects is underway or complete.



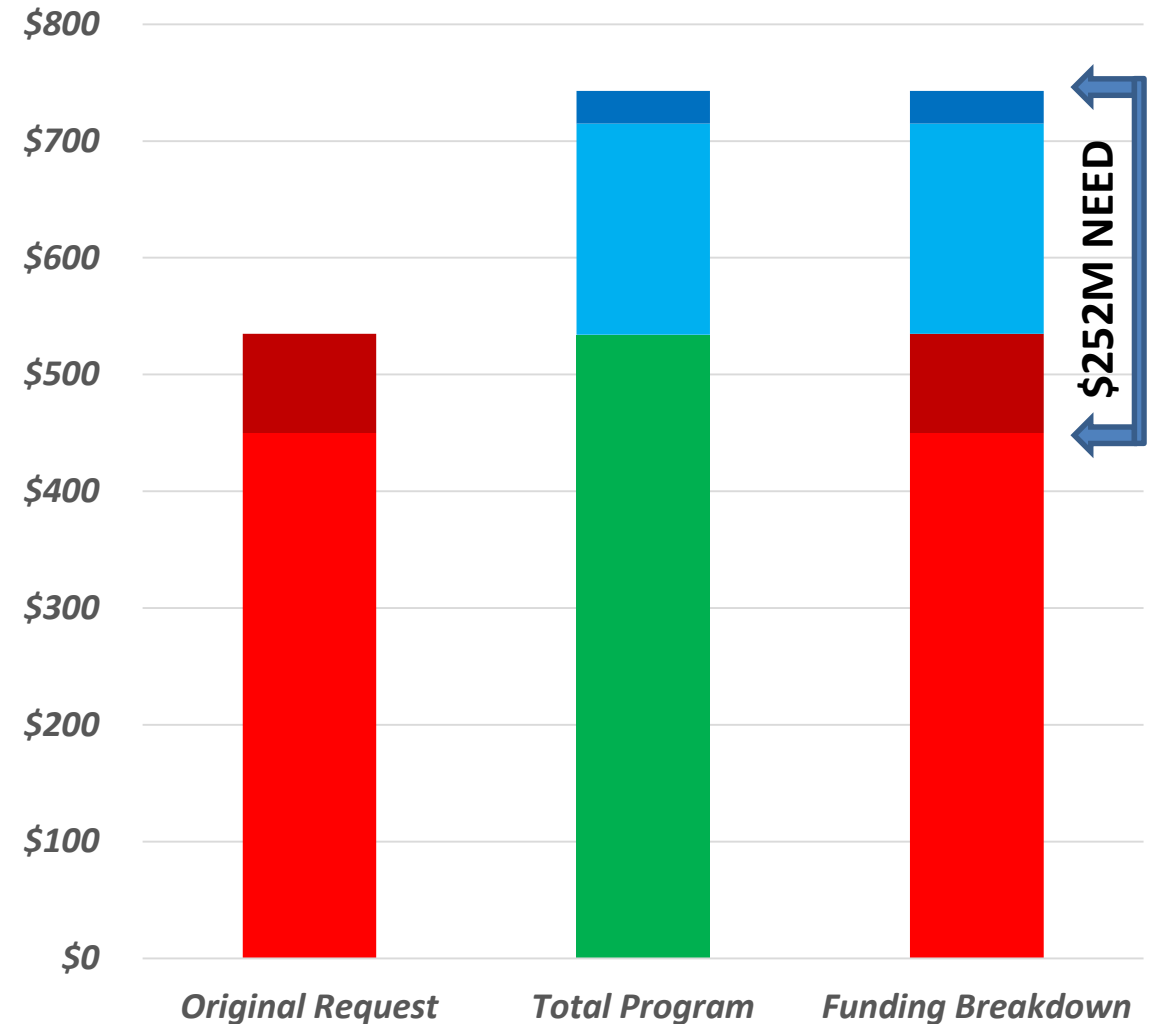
Why We Need Additional Funding

Original Request	\$535M
Congressional Allocation	\$450M
Outstanding Request	\$85M

Replace in Kind	\$534M
Resiliency Investments	\$181M
Risk and Resiliency Analysis	\$28M
Total Program	\$743M

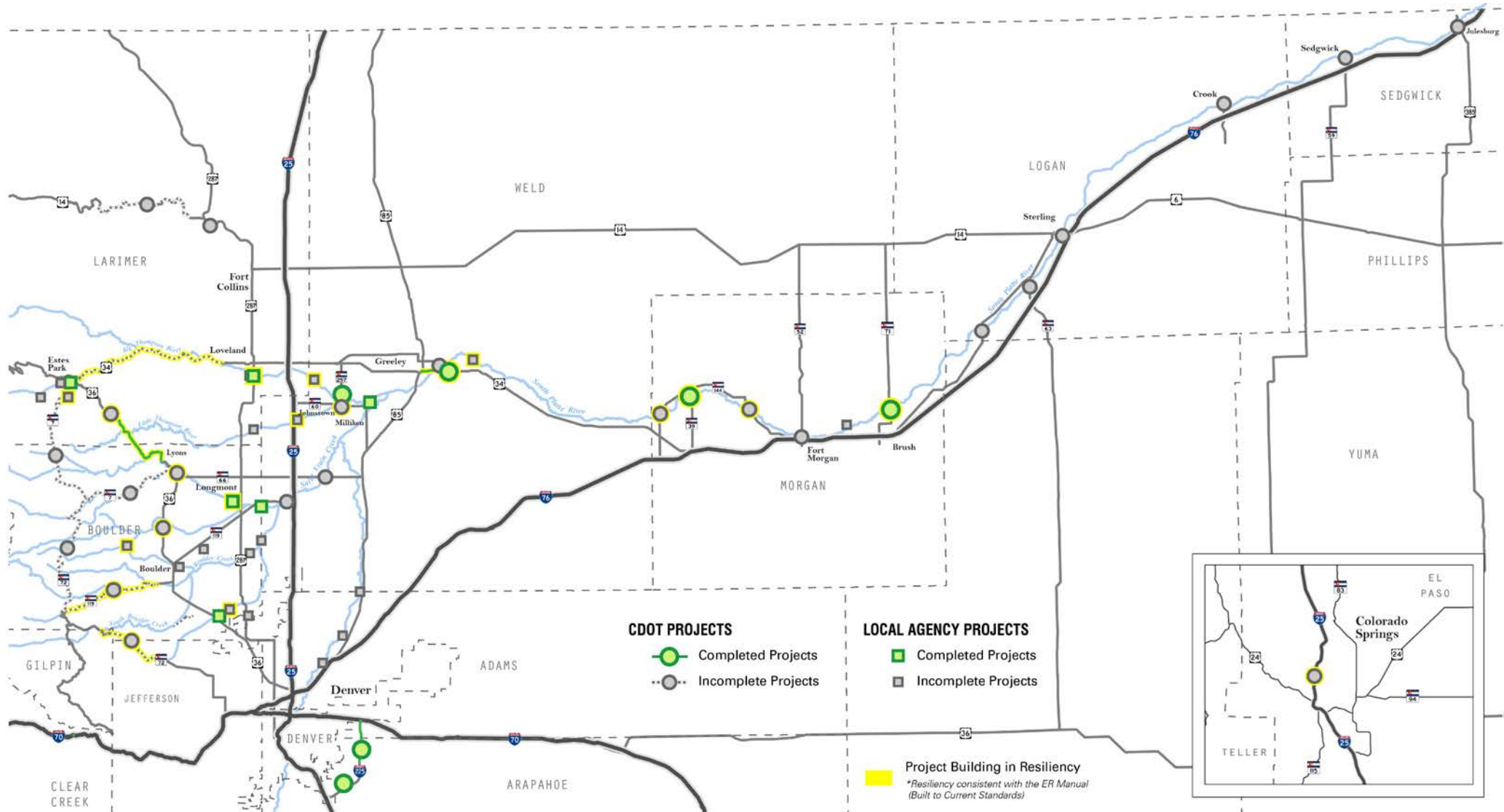
Congressional Allocation	\$450M
Outstanding Request	\$85M
Resiliency Investments/	\$208M

Funding Breakdown	\$743M
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Completed Projects





Funding Breakdown

2013 Flood Recovery Program	FUNDED		UNFUNDED
	Emergency Repairs (Temporary)	Permanent Repairs	Permanent Repairs
CDOT Emergency Repairs	\$104,573,331	—	—
CDOT Permanent Repairs	—	\$230,485,486	\$252,383,097
Local Agency Emergency Repairs	\$14,208,913	—	—
Local Agency Permanent Repairs	—	\$58,650,575	—
Local Agency PR Budget Managed by CFL	—	\$73,857,395	—
Federal Lands Projects	\$9,485,659	—	—
Subtotals	\$128,267,903	\$362,993,456	\$252,383,097
Total Program:			\$743,644,456
<i>*Only indicates the Federal Contribution of the unfunded projects</i>			

Subtotal by County	FUNDED PROJECTS		UNFUNDED PROJECTS
	EMERGENCY REPAIR (Temporary)	PERMANENT REPAIR	PERMANENT REPAIR
Adams	\$983,574	\$258,537	—
Arapahoe	\$183,765	\$1,058,596	—
Boulder	\$26,188,292	\$71,152,550	\$46,596,176
Broomfield	\$31,528	\$1,282,132	—
Clear Creek	—	\$3,049,865	—
Denver	—	\$68,039	—
El Paso	\$149,812	\$571,848	\$2,913,570
Gilpin	\$6,809,093	\$1,756,656	\$12,882,144
Grand	\$1,462,592	—	—
Jefferson	\$2,947,591	—	—
Larimer	\$67,488,195	\$215,080,044	\$155,495,207
Logan	—	\$2,500,000	\$8,800,000
Morgan	\$7,621,822	\$5,690,818	\$8,800,000
Otero	\$1,584,832	—	—
Sedgwick	\$1,221	\$866,667	—
Washington	\$18,433	—	—
Weld	\$3,311,494	\$59,659,705	\$16,896,000
Federal Lands Projects	\$9,485,659		
COUNTY TOTAL	\$128,267,903	\$362,995,457	\$252,383,097
		\$743,644,456	
<i>* US 34 Partially Funded (see inset)</i>			



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US34 Before and After





TOGETHER
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Questions?





ROADX
ACCELERATING TECHNOLOGY

INNOVATION

in technology and partnerships





WHY ACCELERATE TECHNOLOGY?



Safety

80% of accidents could be reduced or eliminated



Innovative Road Solutions

Could nearly quadruple highway capacity



Saved Time

Could save about 50 minutes per day



Expanded Mobility

Mobilizes elderly and handicapped populations



Environmental Benefits

Reduces congestion and vehicle emissions



ACCELERATING TECHNOLOGY



TRANSPORT



TIMING : FALL 2016

ACCELERATING TECHNOLOGY

Colorado partnered with Otto of Uber to complete the world's first commercial delivery by a self-driving truck, an approximately 120-mile demonstration of how this technology works in a real-world environment.

Colorado is enthusiastic about working with Otto and others on:



The long-term impacts and benefits of safely deploying this technology to enhance safety



Improving environmental impacts of highway freight



Fostering the economic benefits advanced driving technologies are poised to bring to freight delivery and our state.



OTTO



ROADX

ACCELERATING TECHNOLOGY

ACCELERATING TECHNOLOGY



CONNECTION



TIMING : WINTER 2016

SMART 70 - GOLDEN TO VAIL

CDOT has partnered with HERE, an international mapping firm, to provide the most real-time data possible to drivers to help them make better decisions when traveling through the mountains. Drivers will receive accurate travel alerts and safety warnings about potential hazards, such as:



Low visibility

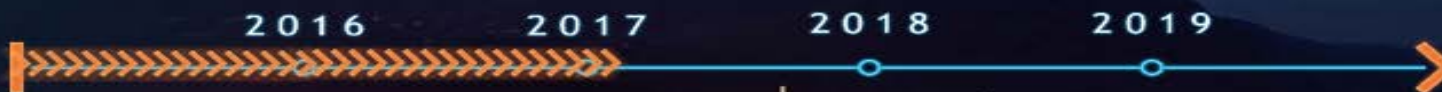


Multi-vehicle pileups



Sun glare

Smart 70 will accelerate the advancement of self-driving vehicles by giving systems instantaneous data and warnings from connected vehicles.



here



COMMUTING



TIMING : FALL 2017

SMART 25 - RIDGEGATE TO UNIVERSITY

Significant software and traffic sensor upgrades to the aging traffic management and ramp metering systems on I-25 will better manage the flow with vehicles, resulting in:



Fewer crashes



More reliable trips and travel times



Reduction in stop-and-go traffic



More efficient traffic flow without expanding roadways





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COLORADO

delivering for customers

