



Laramie County

**State Transportation
Improvement Program
2017-2023**





Meet WYDOT: District 1 Contacts

Tom DeHoff
District Engineer



District Headquarters
3411 S. 3rd St.
Laramie, WY 82070
307-745-2100

Bob Ruwart
Transportation
Commissioner
(Laramie County)



District 1





Meet WYDOT: District 1 Contacts

Ralph Tarango
District
Maintenance
Engineer



Tim Morton
District
Construction
Engineer



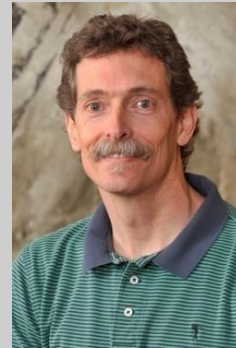
**Capt. Tom
Stoker**
Wyoming
Highway
Patrol



Gary Curry
District
Equipment
Supervisor



**Randy
Griesbach**
District Traffic
Engineer



Matt Murphy
Public
Relations
Specialist





Meet WYDOT: Laramie County

Resident Engineers



Kevin Erickson



Wayne Shenefelt

Maintenance



Don Bridges
Area Supervisor



Tony Avila
Foreman



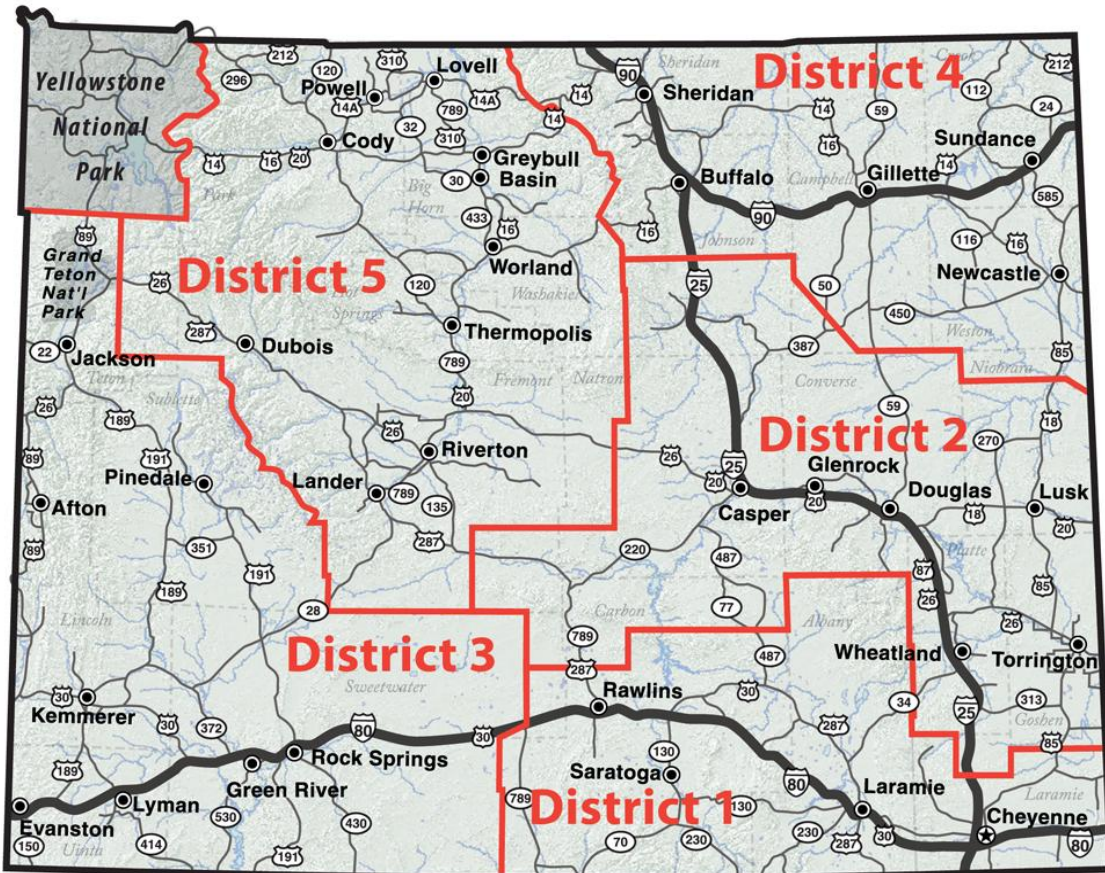
Brand Fogg
Foreman



Kraig Crawford
Foreman



WYDOT Construction Districts



Most of Laramie County, including all four municipalities, is in District 1.

District 1 also includes Albany County, most of Carbon County and a small part of Sweetwater County.



Our Goals Today

The purpose of today's meeting is to review the DRAFT STIP that will be proposed to the Transportation Commission at its September meeting AND to obtain input from the public and local governments.



Our Goals Today

Transportation Information Exchange

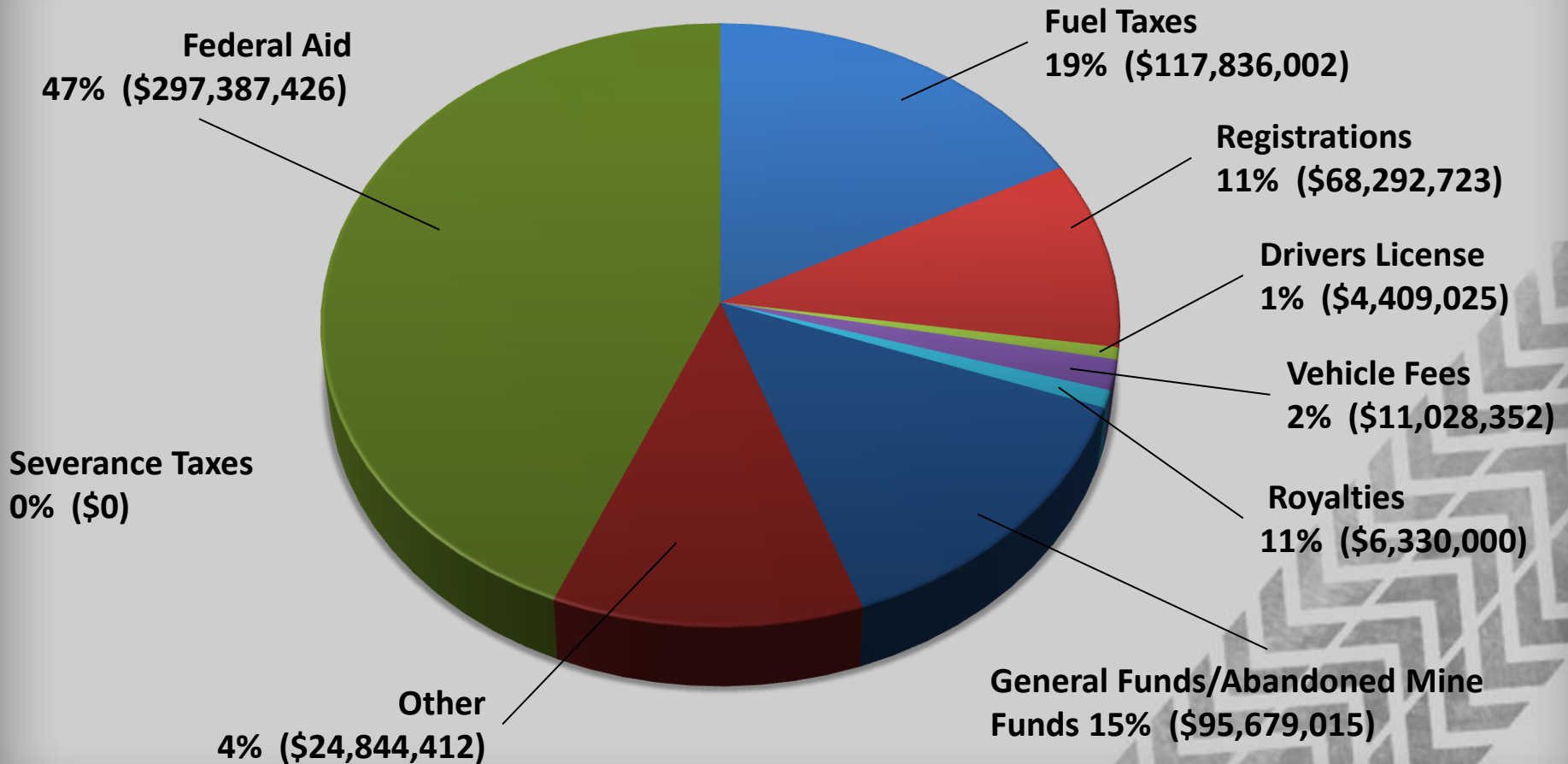
- Discussion of WYDOT's current funding situation
- Overview WYDOT's selection process for projects
- Share plans for existing and upcoming projects
- Updates from WYDOT





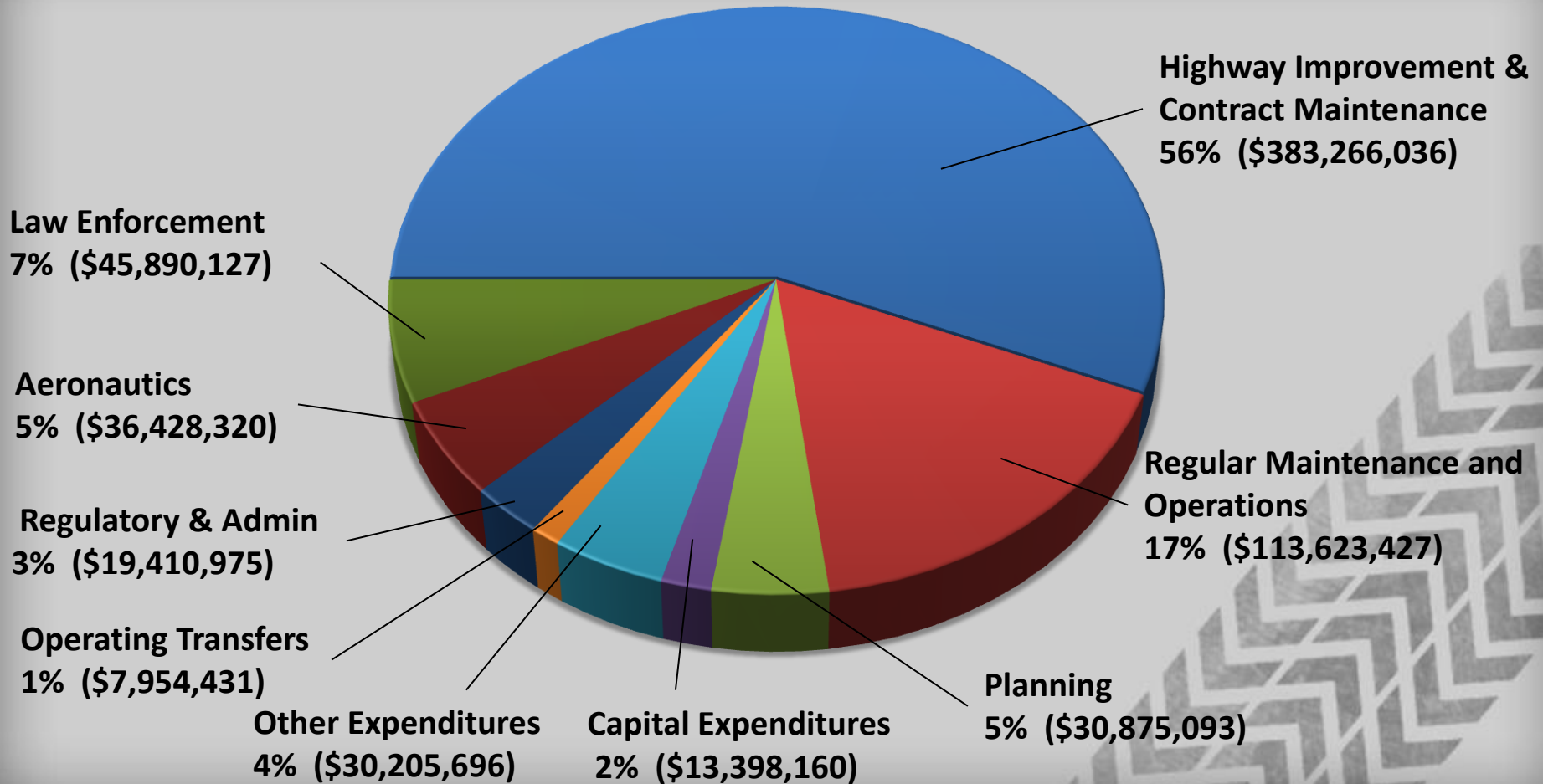
Projected Revenue Outlook

(As of April 1, 2017)





Projected Funding Allocation





Future Revenue

Changes to WYDOT's funding streams

- WYDOT will not receive money from the state general fund
- Driver's license fees increased as of July 1
- Vehicle registration fees increased as of July 1





Future Revenue

Changes to WYDOT's funding streams

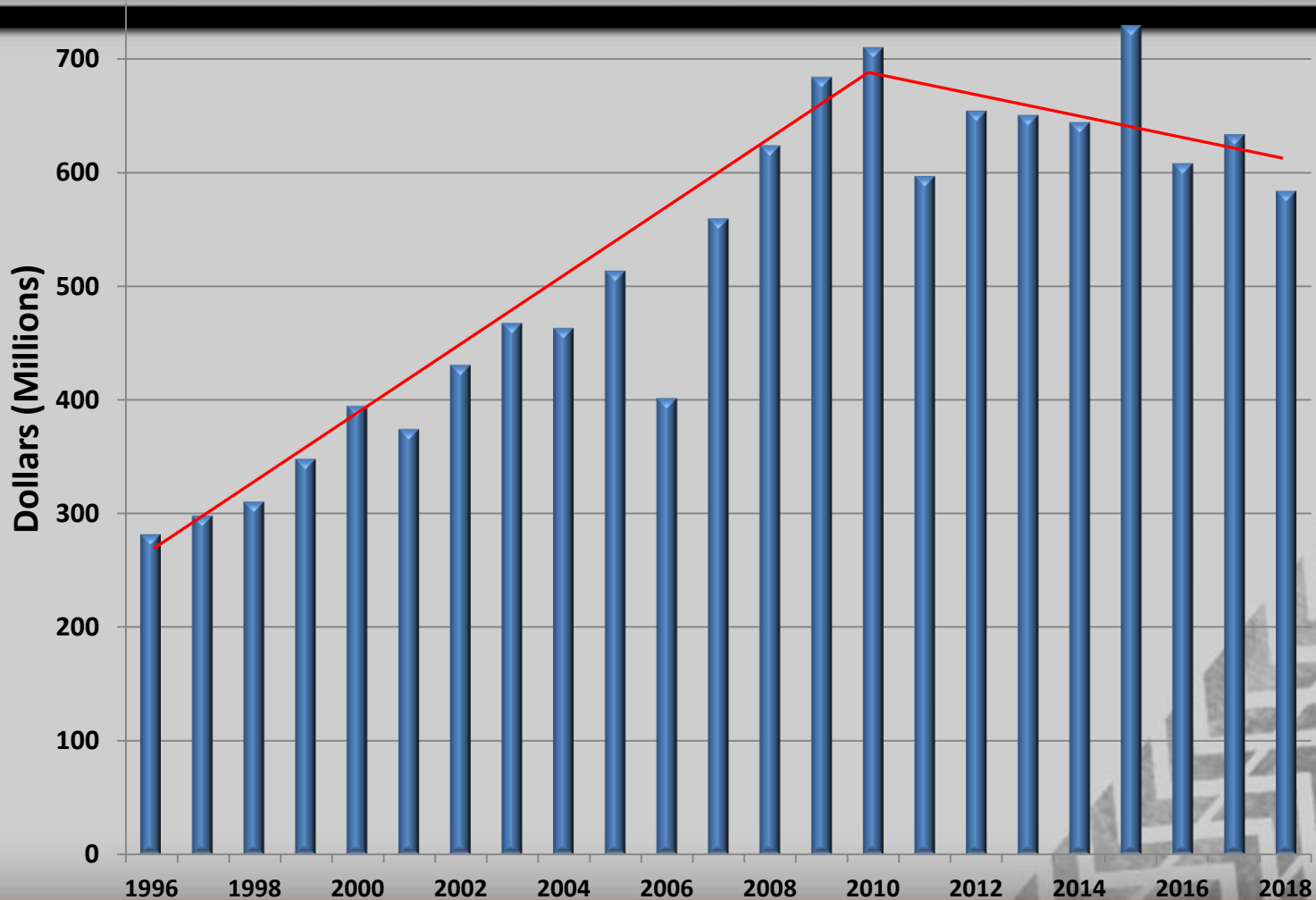
- The general funds WYDOT had received in the past can now be used to fund other state government operations
- The new formula is a more reliable funding stream for WYDOT
- This makes it easier to plan for future road projects



Future Revenue

How WYDOT's revenue has changed

WYDOT Revenue Trend 1996-2018





Road Network Overview

- State System – **6,759 miles**

- State System and Federal Aid Local Roads – **7,677 miles**



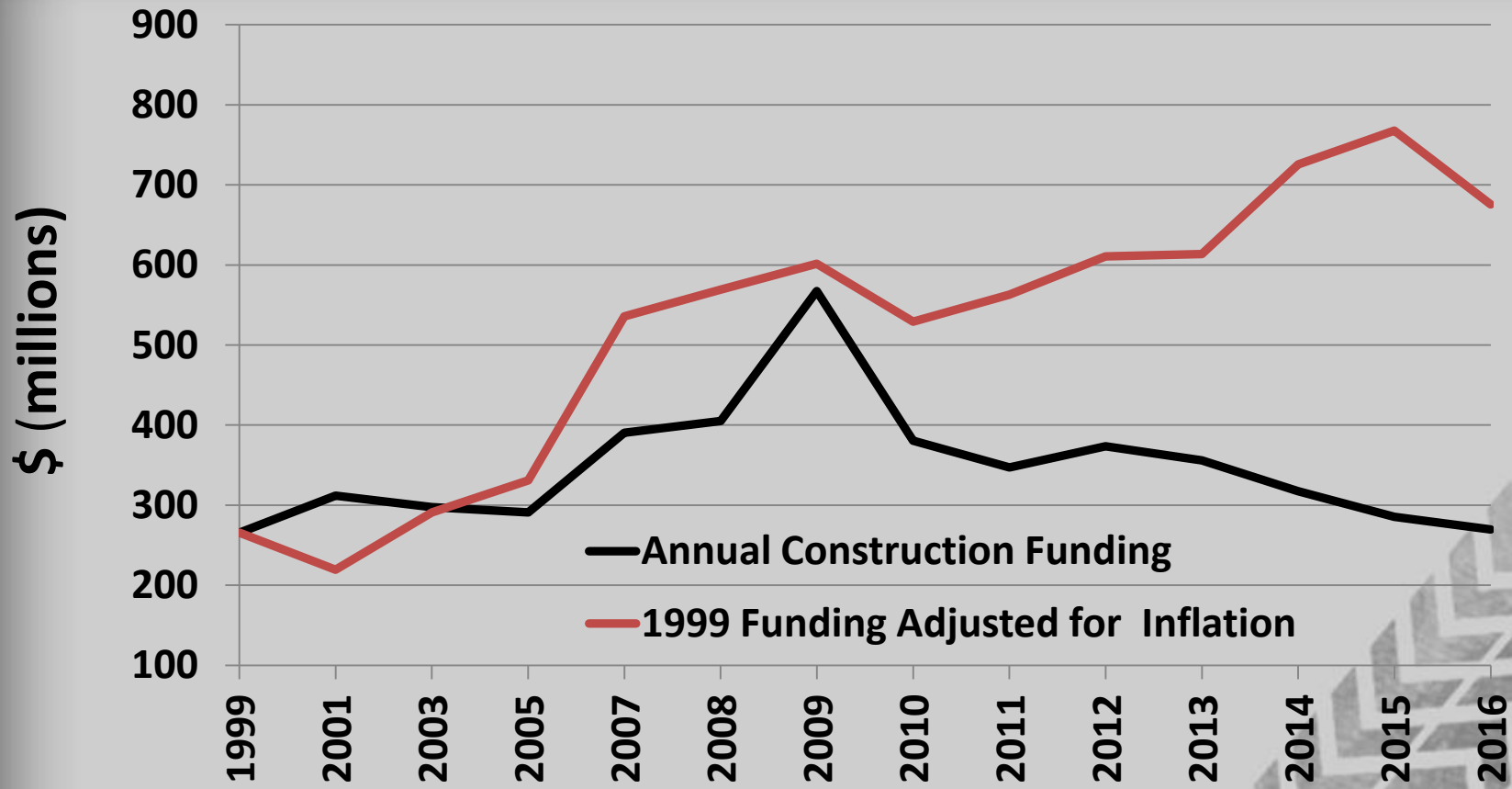
Road Condition Overview

- Poor Roads – **1,109 miles**
- Fair Roads – **1,374 miles**



Funding vs. Inflation

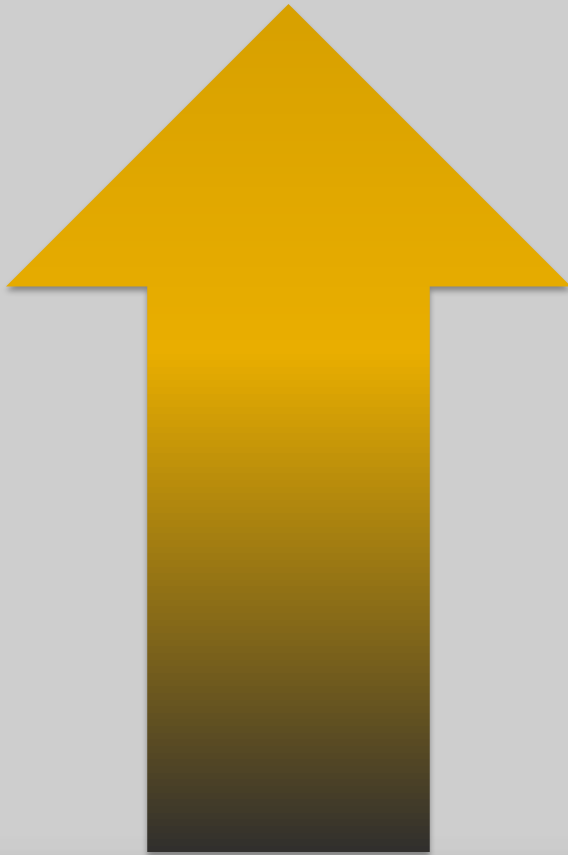
The Purchasing Power of Construction Dollars





Funding vs. Inflation

The Purchasing Power of Construction Dollars



Construction funding would have to increase from the current **\$269.8 million** per year to **\$675.6 million** per year for WYDOT to do the same amount of work on the highway system it did in 1999.

Construction funding would have to increase **\$64 million** each year for WYDOT to maintain the highway system in its current condition.



What does this mean?

Impact of Funding Restraints Statewide

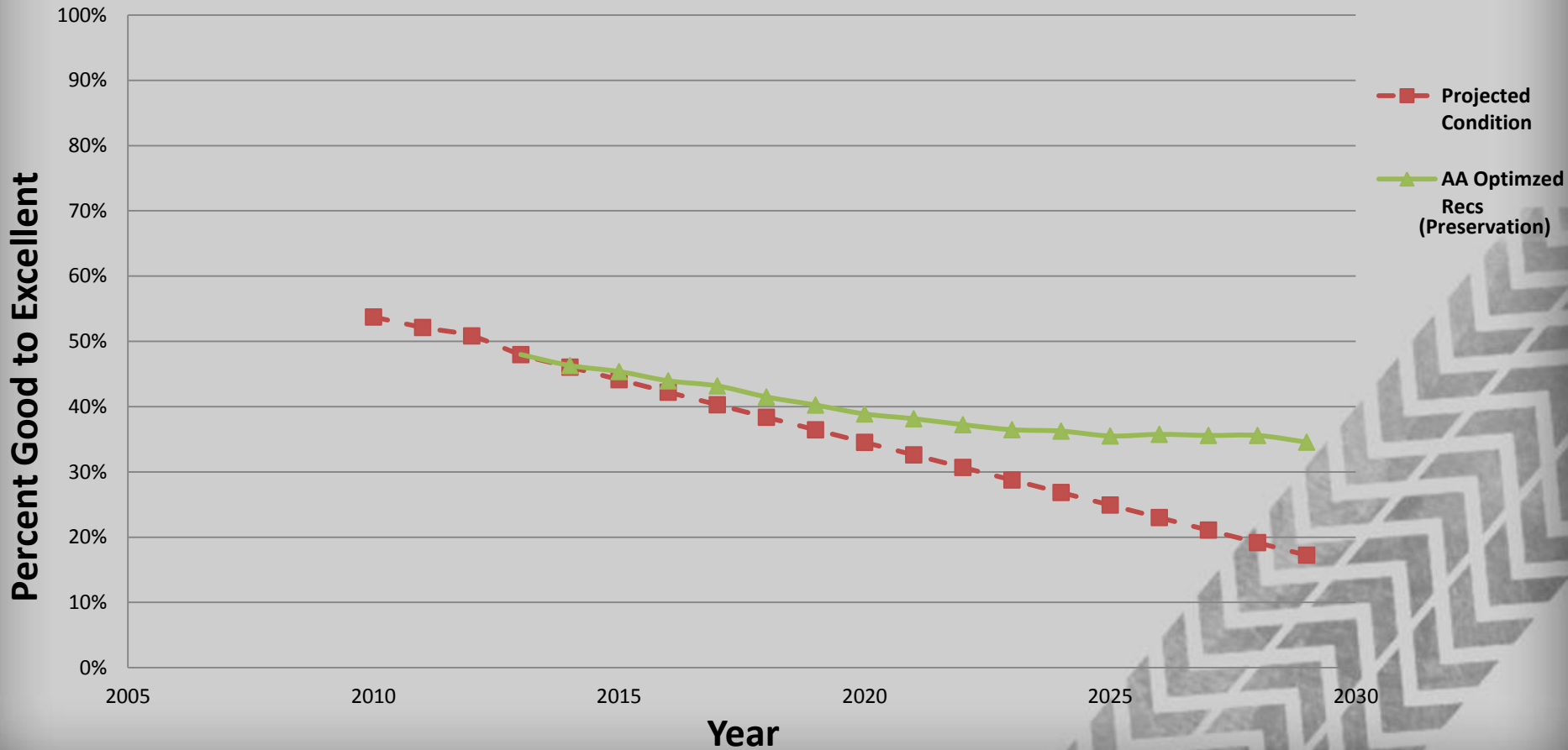
WYDOT continues movement from a **transportation improvement program** to an **asset preservation program**.

Over the next 20 years this strategy should reduce the decline in the state's overall road condition but the roads will worsen.



Pavement Preservation

Projected Statewide Pavement Condition for Pavement Improvement v. Preservation





Pavement Preservation: Modern Approach

Impact of funding restraints

Pavement preservation projects address only roughness, rutting, cracking, and/or friction problems.



Roughness



Rutting



Cracking



Friction

* Pavement preservation projects are *not* intended to widen, straighten or reconstruct.



Bridges

- On average, WYDOT has **\$29.2 million** worth of structure work each year in the current STIP.
- This work includes bridges, culverts, walls, sign structures & BROS (Bridge Replacement Off System) projects.
- This work does not include traffic control or mobilization, which typically **adds an additional 40%** to a structure project's cost.



Bridges

Bridge Rehabilitation (funded at \$15.5 million/year)

- On average, \$15.5 million will rehab 67 bridges.
There are **1,959 state-owned bridges**.
- District 1 has 261 bridges on the National Highway System (NHS) and 104 non-NHS.



2017 Construction Funding Statewide

\$269.8 million

WYDOT intends to let this amount in new construction projects in 2017.



District 1 Construction Funding

In 2016, District 1 received approximately **\$60 million**.

This year, District 1 will receive approximately **\$55 million**.

Next year, District 1 expects to receive **\$53 million**.



The STIP

STIP = State Transportation Improvement Program

WYDOT uses a continuing and comprehensive process of:

- **Asset review**
- **Priority ratings**
- **Financial analysis**
- **Manpower analysis**

...to determine those projects that best serve the public needs.



The STIP

How are projects developed?

Projects are chosen for the STIP based on:

- **Asset Management Systems**
 - Safety
 - Pavement condition
 - Bridges
- **Input** from the public and team members



District 1 Draft STIP

2017-2023





Emerging Projects FY 2017

I-80, Pine Bluffs Marginal (MP 400-402)
Mill, Overlay, Replace Bridges: \$8.9 million





Emerging Projects FY 2017

Patching: Driver Services, U.S. 85 (MP 0-4), I-80 (MP 377-380):
\$1.5 million





Emerging Projects FY 2017

Rail trail along the former Chicago, Burlington & Quincy Railroad:
\$250,000





Emerging Projects FY 2017

Slab Repair – I-80, Lincolnway, College Drive: \$827,000





Emerging Projects FY 2017

I-80 Bridge Rehabilitation (MP 359): \$3.66 million





Emerging Projects FY 2017

Prairie Avenue/Frontier Mall – Roundabout: \$1.8 million





Emerging Projects FY 2017

South Greeley Highway – Left Turn Signal, Striping: \$130,000





Emerging Projects FY 2017

I-80 from Harriman Road to Otto Road (MP 341-348)
Mill, Overlay, Seal Coat: \$10.17 million





Emerging Projects FY 2017

I-80 eastbound, Central Avenue to Archer (MP 362-372)
Mill, Overlay, Seal Coat: \$5.8 million





Emerging Projects FY 2017

Crack seal: I-25 Service Road (MP 3.5-8.7); WYO 210 (MP 20-25);
WYO 214 (MP 0-8); WYO 223 (MP 0-6); I-80 Service Road (MP 0-7): \$320,000





Emerging Projects FY 2017

Cheyenne Greenway, Avenues Connector:
\$282,500





Emerging Projects FY 2017

Dust suppression (CMAQ funding): \$145,000





Emerging Projects FY 2017

Railroad crossing surfacing



17th Street: \$80,000

18th Street: \$80,000

20th Street: \$80,000

21st Street: \$80,000

22nd Street: \$80,000

Fisher Canyon: \$80,000

College Drive: \$150,000



Emerging Projects FY 2017

I-80 Sign and Post Upgrades: \$1.46 million





Emerging Projects FY 2017

WYO 211 Dry Horse Creek Structure Repair:
\$100,000





Emerging Projects FY 2018

I-80 westbound, Central Avenue to Archer (MP 362-372)
Mill, Overlay, Seal Coat: \$9.5 million





Emerging Projects FY 2018

I-25 Road Closure System (MP 19-21)
\$192,500





Emerging Projects FY 2018

Parsley Bridge Damage Repair:
\$90,000





Emerging Projects FY 2018

I-25 overpass Sign Structure Repair:
\$90,000





Emerging Projects FY 2019

U.S. 85, Gun Barrel (MP 35-47)
Mill, Overlay, Seal Coat: \$4.7 million





Emerging Projects FY 2019

WYO 211, Horse Creek Road (MP 8-17)
Mill, Overlay, Chip seal: \$2.3 million





Emerging Projects FY 2019

Division Ave/Wallick Road – Reconstruction: \$4.6 million





Emerging Projects FY 2019

WYO 215, north of Pine Bluffs (MP 0.9 & 1.7)
Bridge Replacement: \$1.7 million





Emerging Projects FY 2019

District-wide Projects

Locations to be determined across District 1:

- Chip seal: \$1.5 million
- Contract patching: \$2 million
- Crack seal: \$500,000
- Slab repair: \$700,000
- Bridge rehab: \$3.5 million



Emerging Projects FY 2020

I-80, Between Archer and Burns Interchanges (MP 372-382)
Crack and seat, Overlay, Seal Coat, Replace Two Structures: \$17 million





Emerging Projects FY 2020

U.S. 85, Gun Barrel North (MP 47-52)
Mill, Overlay, Seal Coat: \$2.5 million





Emerging Projects FY 2020

U.S. 85, Meriden (MP 52-56)
Mill, Overlay, Seal Coat: \$2.7 million





Emerging Projects FY 2020

Cheyenne Marginal – Striping Tape: \$1.6 million





Emerging Projects FY 2020

District-wide Projects

Locations to be determined across District 1:

- Chip seal: \$1.5 million
- Contract patching: \$2.1 million
- Crack seal: \$500,000
- Slab repair: \$700,000
- Bridge rehab: \$3.5 million
- Bridge rehab/epoxy overlay: \$1.5 million
- Thermoplastic marking: \$270,000



Emerging Projects FY 2021

WYO 223, Terry Ranch Road (MP 0-5.7)
Overlay, Seal Coat, Bridge repair: \$2.3 million





Emerging Projects FY 2021

Warren Avenue (Lincolnway – 24th St.)
Mill, Overlay, Seal Coat, ADA, Traffic Signals: \$1.3 million





Emerging Projects FY 2021

I-25, Randall Ave – Horse Creek Interchange (MP 11.5-17)
Slab Repair, Grind, Seal Coat: \$2.8 million





Emerging Projects FY 2021

I-80, Roundtop – Central Avenue (MP 357-362)
Slab Repair, Grind & Seal: \$2.2 million





Emerging Projects FY 2021

District-wide Projects

Locations to be determined across District 1:

- Chip seal: \$500,000
- Contract patching: \$800,000
- Crack seal: \$500,000
- Slab repair: \$500,000
- Bridge rehab: \$1.5 million
- Bridge rehab/epoxy overlay: \$1.5 million



Emerging Projects FY 2022

I-80, incl. Burns & Egbert interchanges (MP 382-393)
Slab repair, seal, replace structures at MP 386: \$9.49 million





Emerging Projects FY 2022

Central Avenue between Pershing and 22nd Street
Mill, Overlay, Seal Coat: \$489,000





Emerging Projects FY 2022

District-wide Projects

Locations to be determined across District 1:

- Chip seal: \$750,000
- Contract patching: \$1 million
- Crack seal: \$500,000
- Slab repair: \$500,000
- Bridge rehab: \$1.1 million
- Bridge rehab/epoxy overlay: \$1 million



Emerging Projects FY 2023

I-80, west of Pine Bluffs (MP 393-400)
Level, Overlay: \$7 million





Emerging Projects FY 2023

U.S. 30 from Pershing Blvd. to Union Pacific bridge (MP 365-370)
Widen to five lanes, overlay: \$8.2 million





Emerging Projects FY 2023

I-80 Parsley Blvd. Bridge Replacement:
\$2.2 million





Emerging Projects FY 2023

I-80 Service Road between Archer and Hillsdale (MP 0-7)
Overlay, Chip seal: \$2.4 million





Emerging Projects FY 2023

District-wide Projects

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Local Funding Resources Contact

Local Programs Coordinator

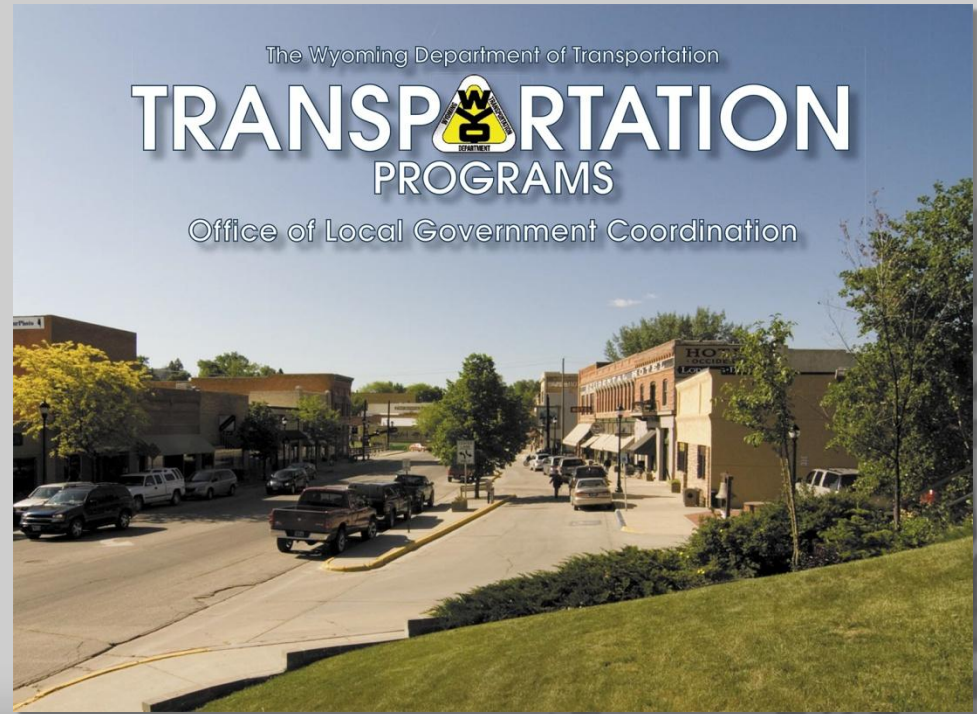
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5300 Bishop Blvd.

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307-777-4862

www.dot.state.wy.us

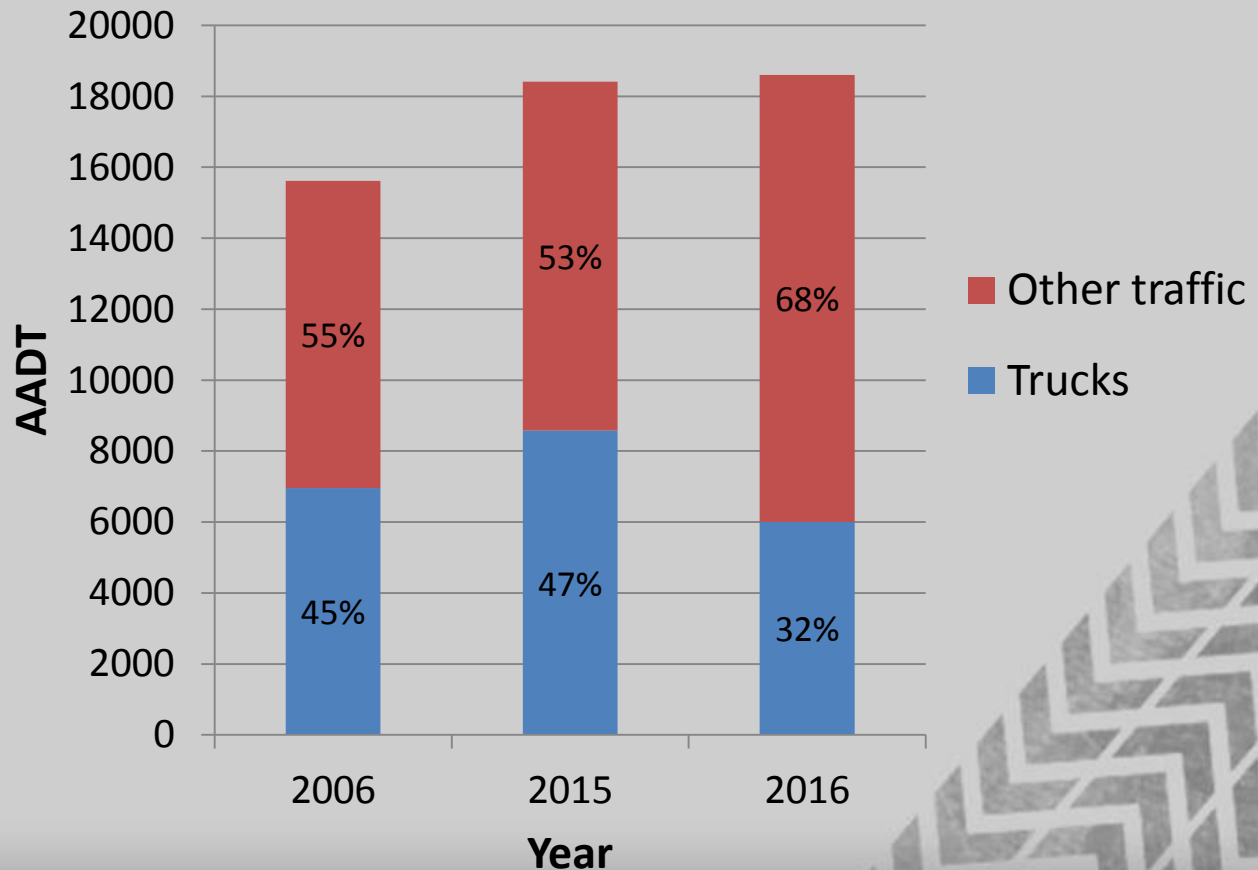




WYDOT Updates

I-80 Traffic Counts – Laramie County 2016 High

I-80 east of I-25 - MP 359-362



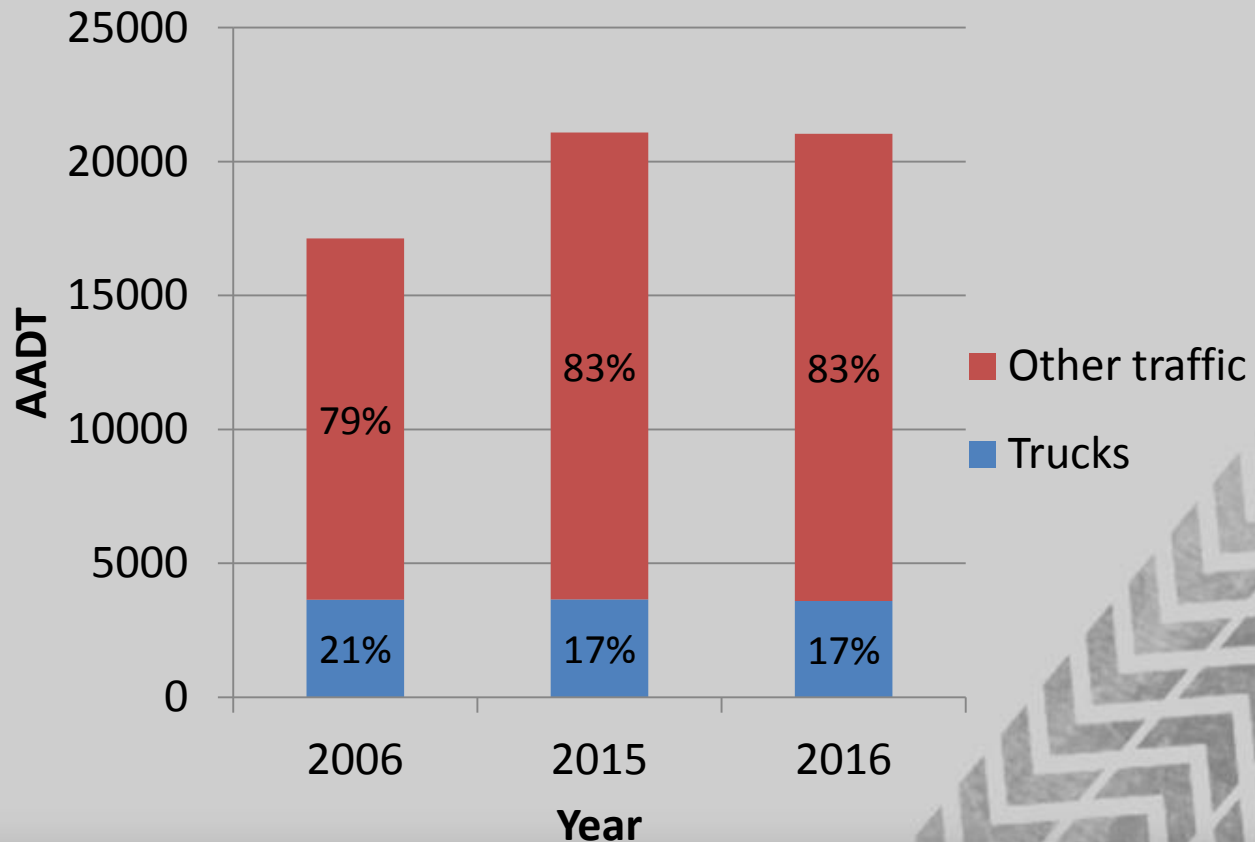
AADT = Average Annual Daily Traffic



WYDOT Updates

I-25 Traffic Counts – Laramie County 2016 High

Colorado State Line to Terry Ranch Road , MP 0-2.6



AADT = Average Annual Daily Traffic



WYDOT Updates

I-80 speed limit increase

- WYDOT plans to raise the speed limit on I-80 to 80 mph between Creston Jct. (Exit 187) and Walcott Jct. (Exit 235)
- I-80 through Rawlins/Sinclair will remain at 75 mph



WYDOT Updates

“Move over” law

- A bill that would have covered WYDOT vehicles under the state’s “move over” law died in the Legislature this year (HB 64)
- The legislation will be pursued next year



WYDOT Updates

Aug. 21, 2017 - Total Solar Eclipse

- The path of totality doesn't cross District 1, but....
- WYDOT is expecting large amounts of traffic traveling to the prime viewing area





WYDOT Updates

Aug. 21, 2017 - Total Solar Eclipse

- WYDOT is suspending road work from Aug. 19-23
- Crews will mow down grass on the sides of WYDOT roads
- Maintenance and Highway Patrol may be shifted north if needed





WYDOT Updates

Connected Vehicle Technology

- Wyoming is one of three states testing connected vehicle technology
- Connected vehicle transponders are being installed on I-80 and I-25 south of Cheyenne
- The technology will alert equipped trucks and cars with road information, including hazards





Thank you!





Emerging Projects - 2017

- Pine Bluffs Marginal (I-80, MP 400-402) - Mill, Overlay, Replace Bridges: \$8.9 million
- Driver Services Lot, U.S 85, I-80 - Contract Patching: \$1.5 million
- Rail Trail along the former Chicago, Burlington & Quincy Railroad: \$250,000
- Slab Repair – Various Locations: \$827,000
- Bridge Rehabilitation (I-80, MP 359): \$3.66 million
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- Warren Ave (Lincolnway – 24th St.) – Mill, Overlay, Seal Coat, ADA, Traffic Signals: \$1.3 million
- I-25, Randall Ave – Horse Creek Interchange (MP 11.5-17) – Slab Repair, Grind, Seal Coat: \$2.8 million
- I-80, Roundtop Interchange – Central Avenue Interchange (MP 357-362) – Slab Repair, Grind & Seal: \$2.2 million

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