



Carbon 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

Jim Espy
Transportation
Commissioner
(Albany and
Carbon Counties)



District 1





Meet WYDOT: District 1 Contacts

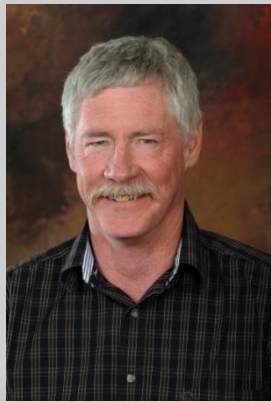
Ralph Tarango
District
Maintenance
Engineer



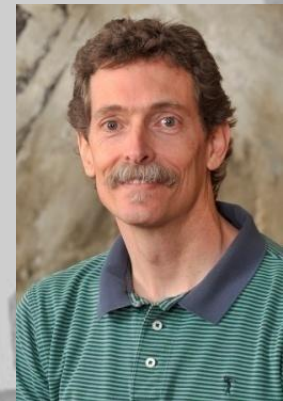
Tim Morton
District
Construction
Engineer



Gary Curry
District
Equipment
Supervisor



Randy Griesbach
District Traffic
Engineer





Meet WYDOT: Carbon County

Resident Engineers



Jake Lonn



Aaron Spenny

Area Maintenance Supervisors



Marty Mayfield

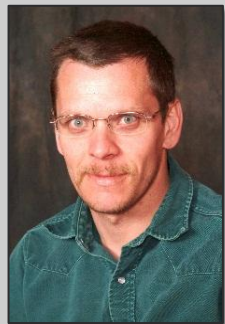


Gary May

Maintenance Foremen



**Merna
Carver**



**Rick
Ackerman**



**Tom
Biamon**



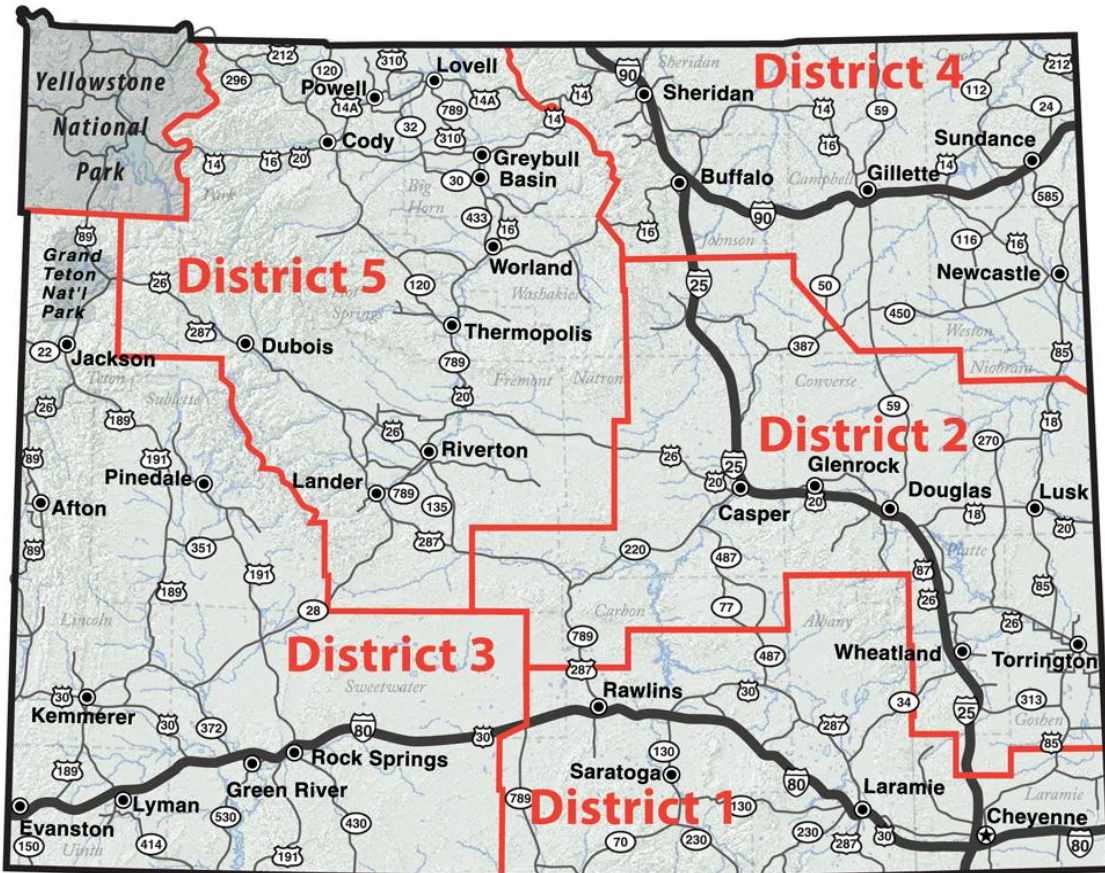
**Dennis
Goodwin**



**Tyler
Jones**



WYDOT Construction Districts



Most of Carbon County is in District 1, including all municipalities. The remainder is in District 2.

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



Our Goals Today

Transportation Information Exchange

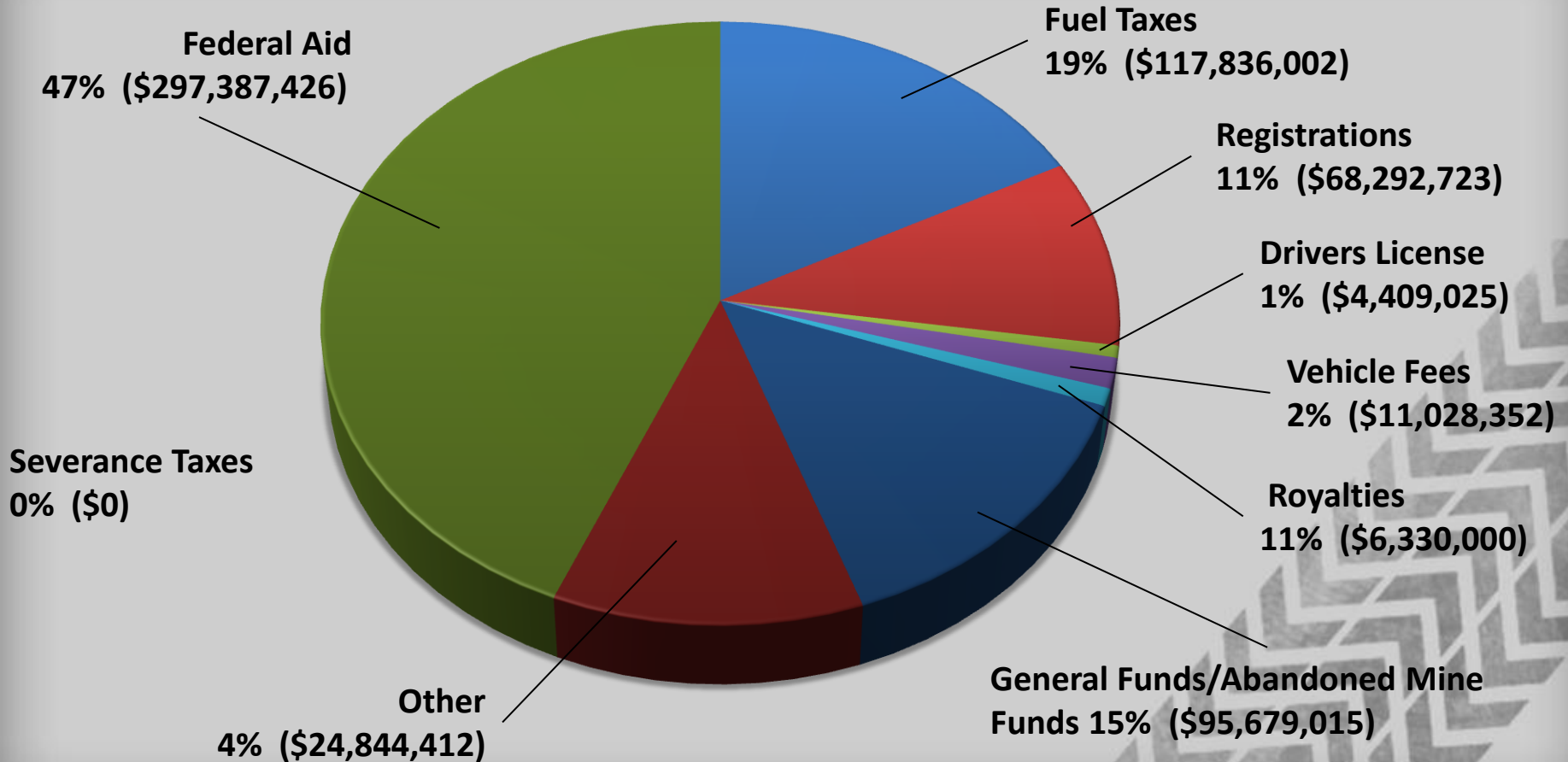
- Discussion of WYDOT's current funding situation
- Overview WYDOT's selection process for projects
- Share plans for existing and upcoming projects
- Updates from WYDOT





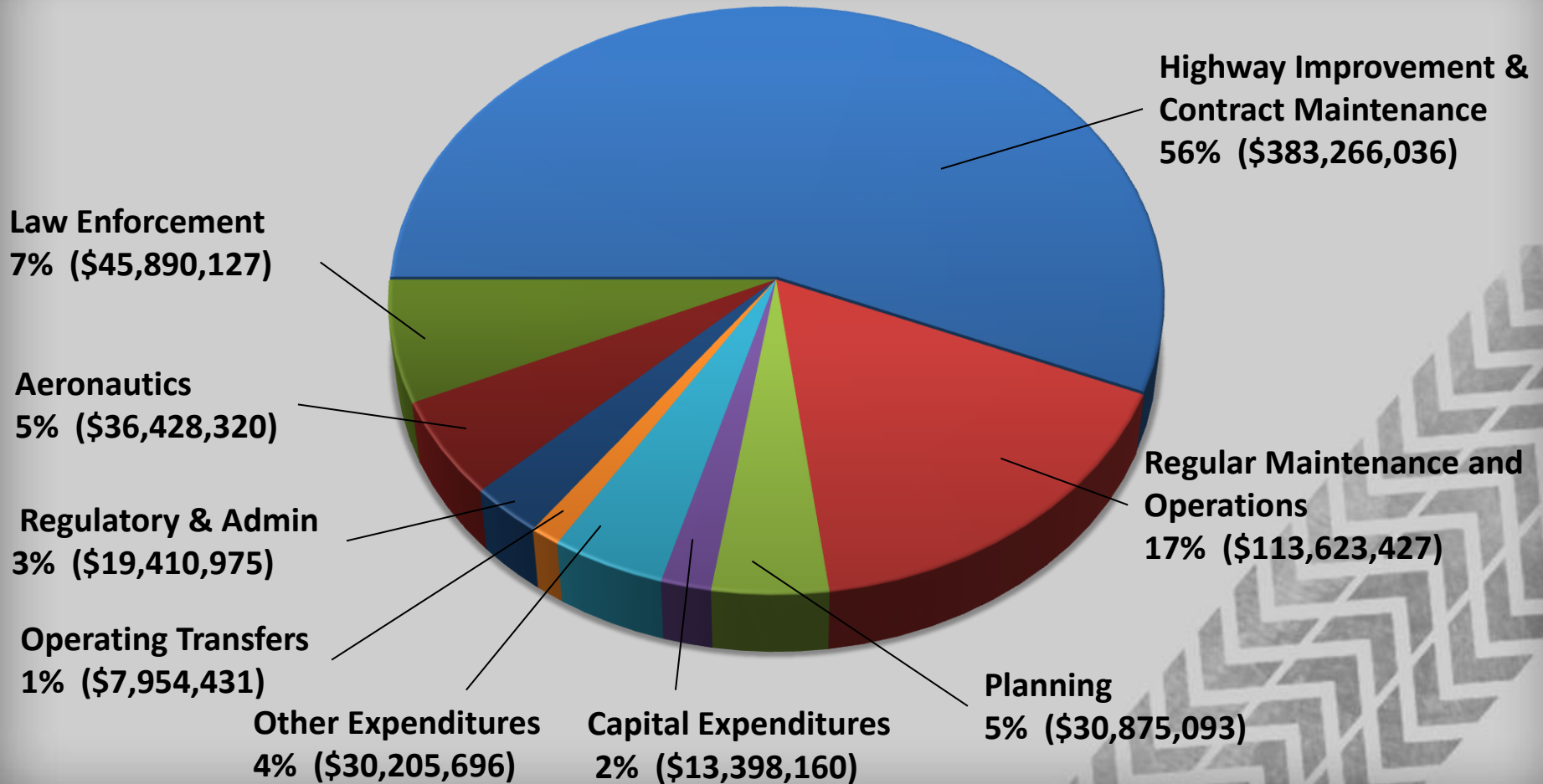
Projected Revenue Outlook

(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

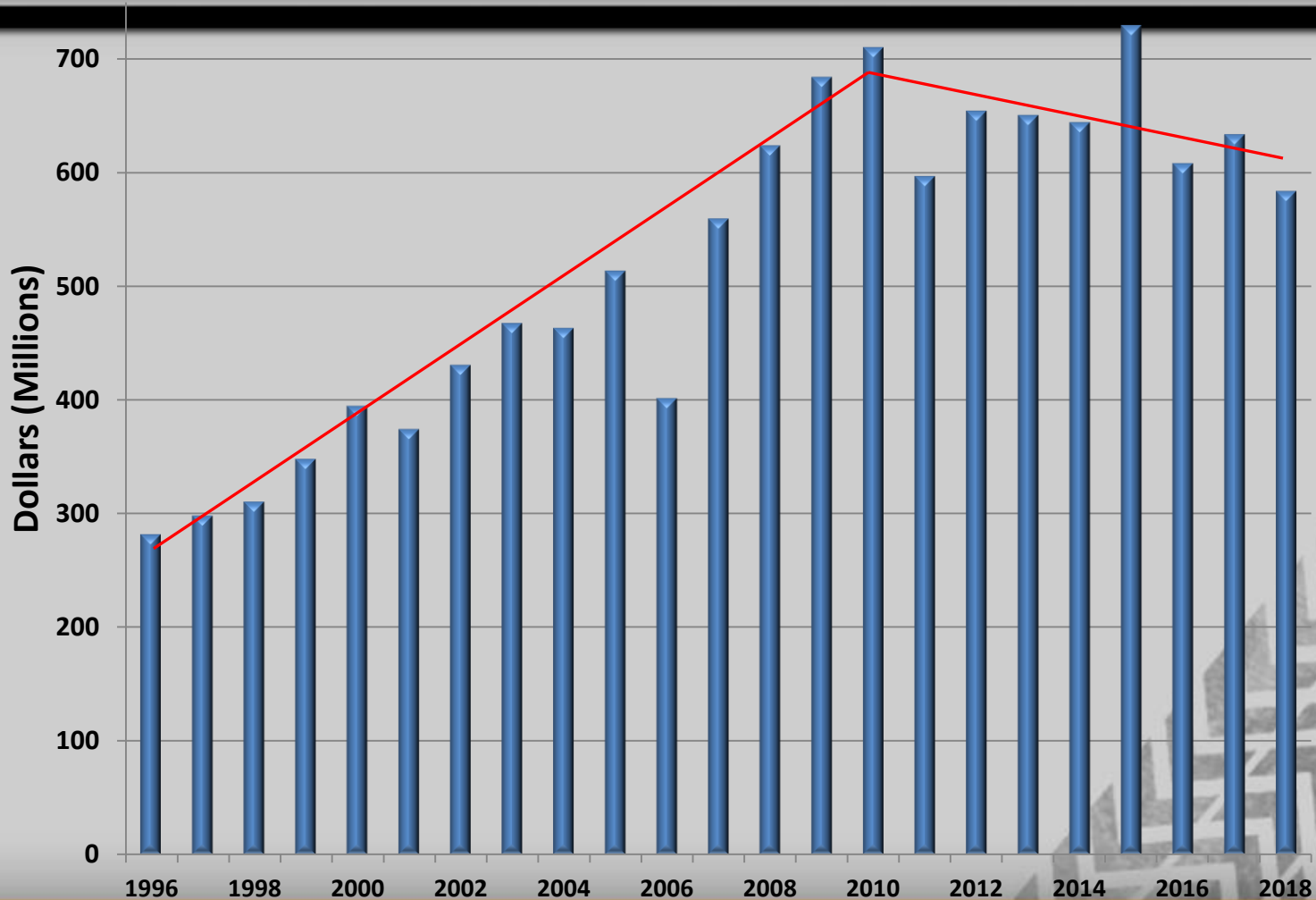
- The general funds WYDOT had received in the past can now be used to fund other state government operations
- The new formula is a more reliable funding stream for WYDOT
- This makes it easier to plan for future road projects



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**



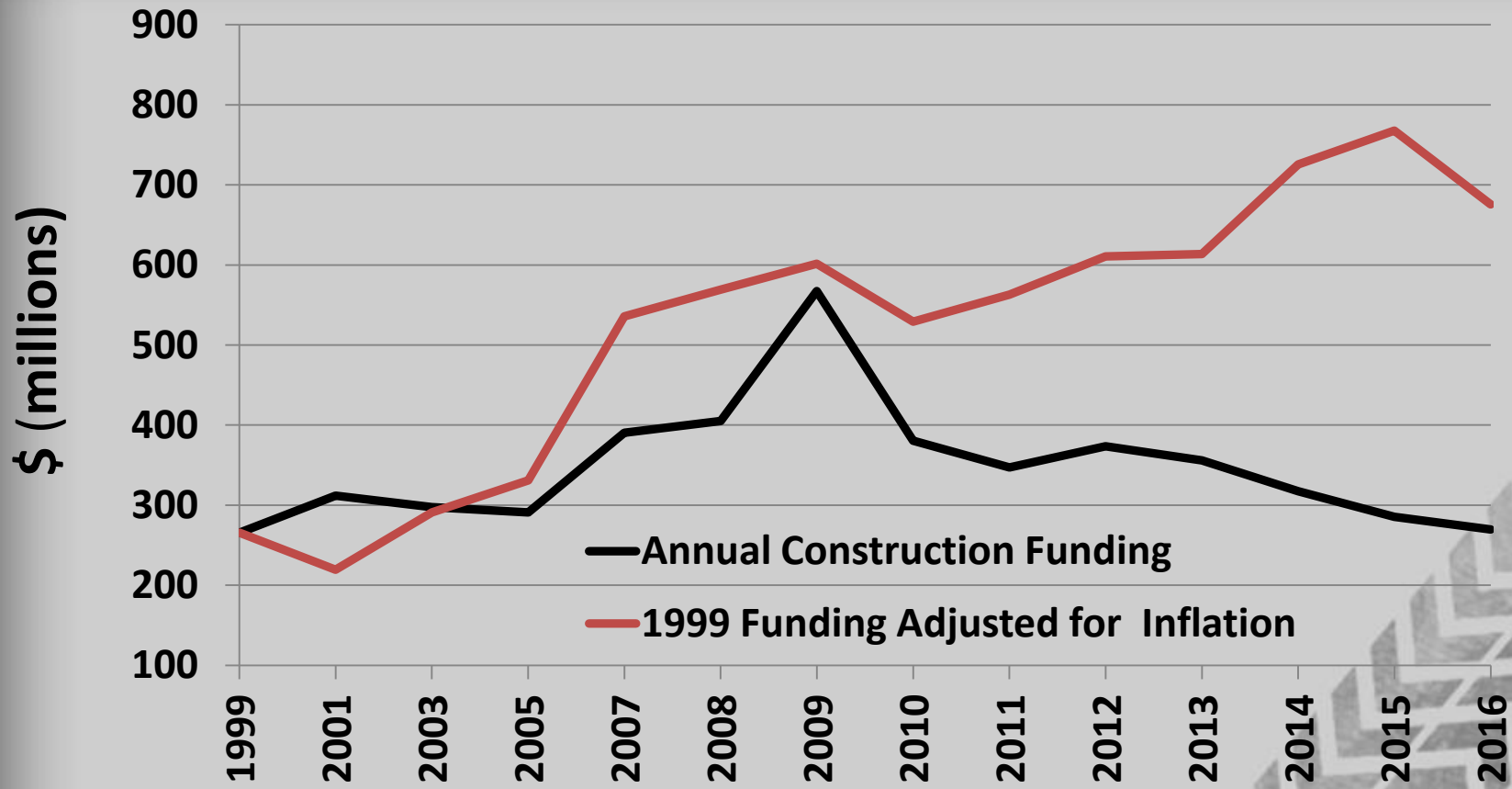
Road Condition Overview

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



Funding vs. Inflation

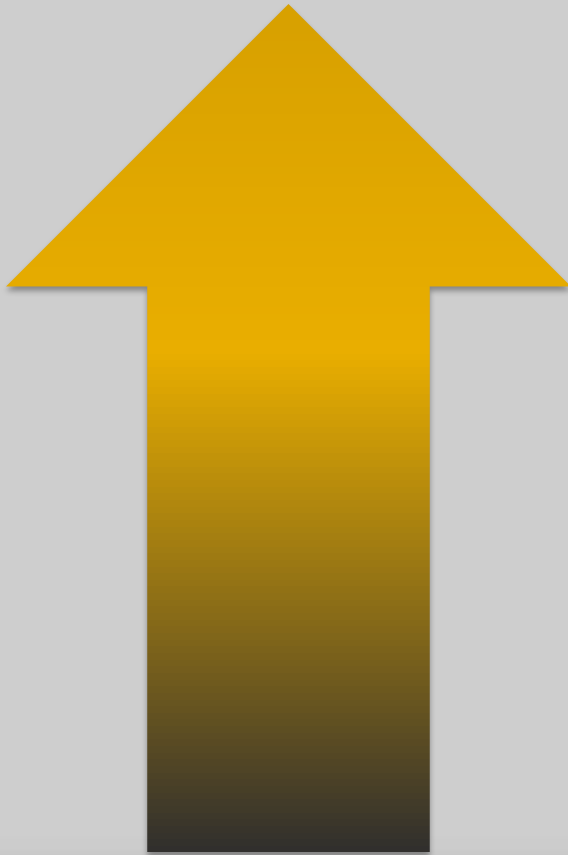
The Purchasing Power of Construction Dollars





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.

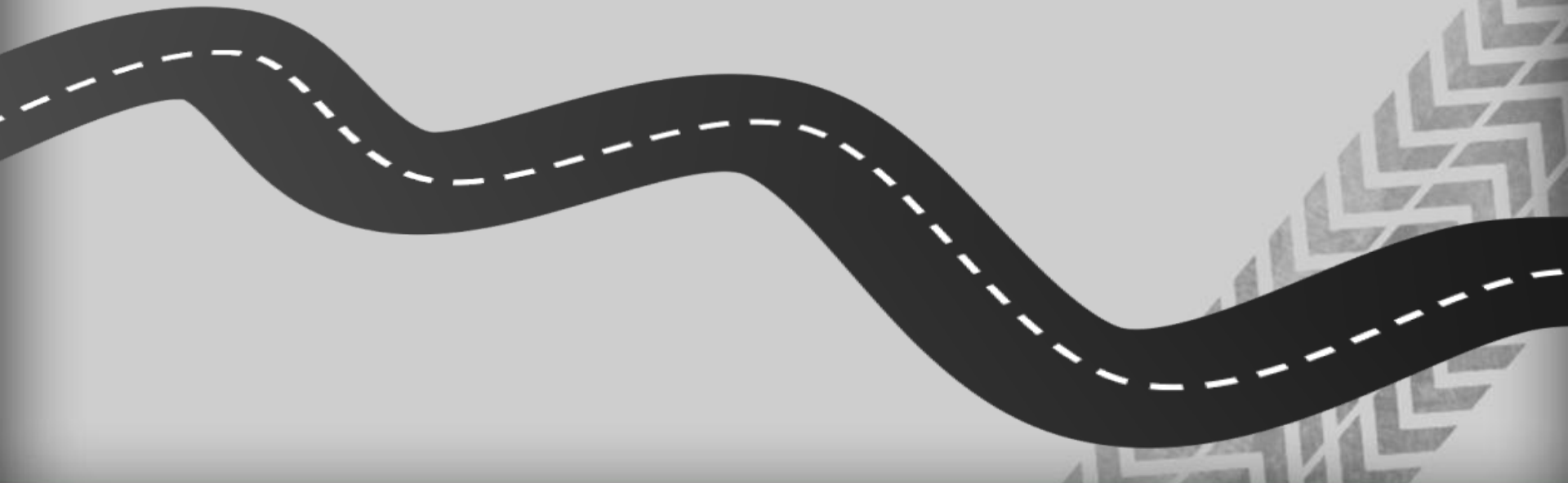


What does this mean?

Impact of Funding Restraints Statewide

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

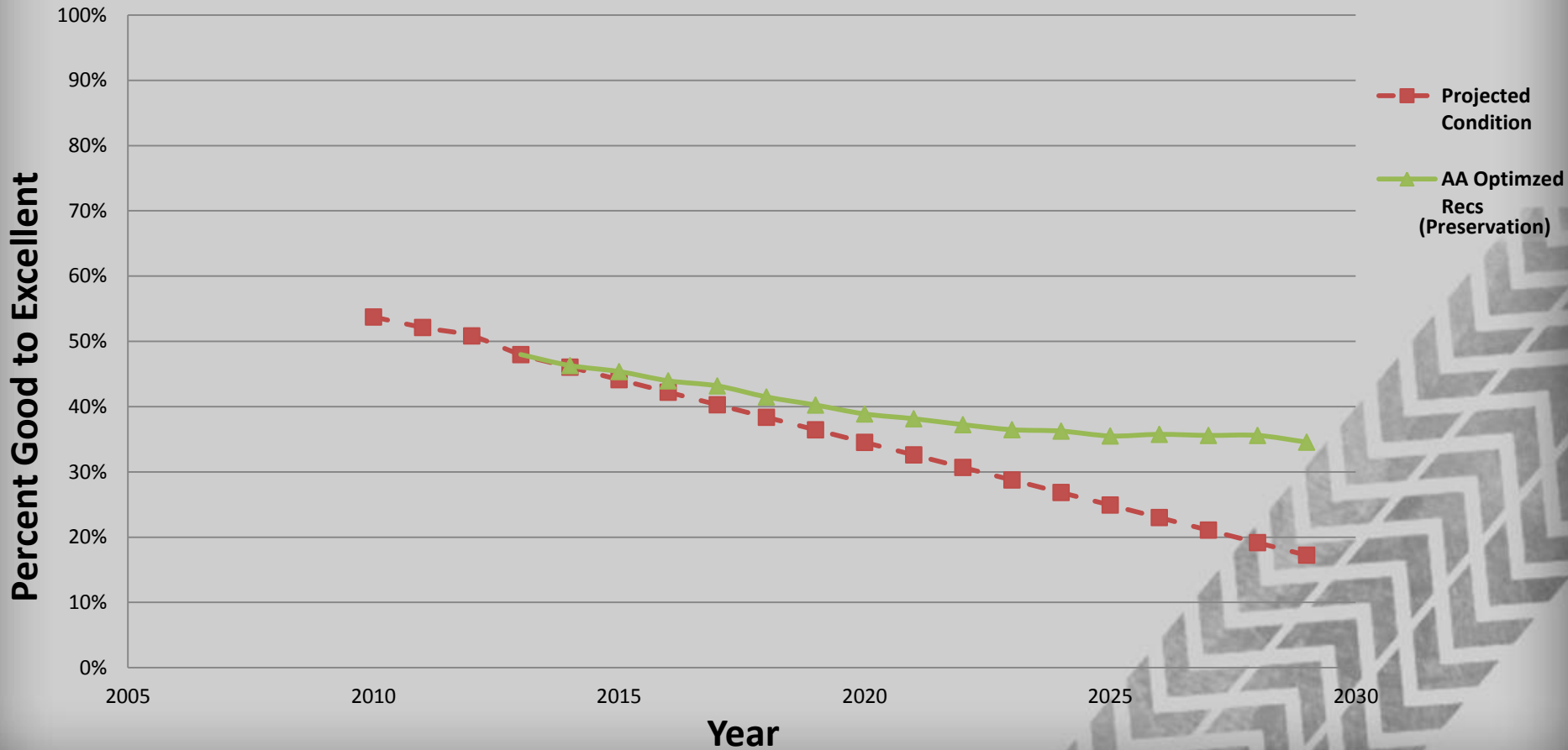
Over the next 20 years this strategy should reduce the decline in the state's overall road condition but the roads will worsen.





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 STIP

2017-2023





Current Projects FY 2017

Chip Seal – WYO 789 (MP 30-40), WYO 130 (MP 20-28),
Saratoga WYDOT yard: \$710,000





Current Projects FY 2017

I-80 westbound, Creston Jct. – Carbon County Line (MP 186-199)
Mill/Overlay Seal Coat: \$7.7 million





Current Projects FY 2017

I-80 eastbound near Walcott Junction (MP 233-240)
Mill/Overlay Seal Coat/ Crack and seal concrete: \$6 million





Current Projects FY 2017

I-80 between Laramie and Rawlins
Variable Speed Limit signs upgrade to LEDs: \$410,000





Current Projects FY 2017

Guardrail upgrades, various locations on WYO 789, WYO 70, and U.S. 30:
\$537,000





Current Projects FY 2017

Crack seal on I-80, WYO 72, and WYO 13: \$299,000





Emerging Projects FY 2018

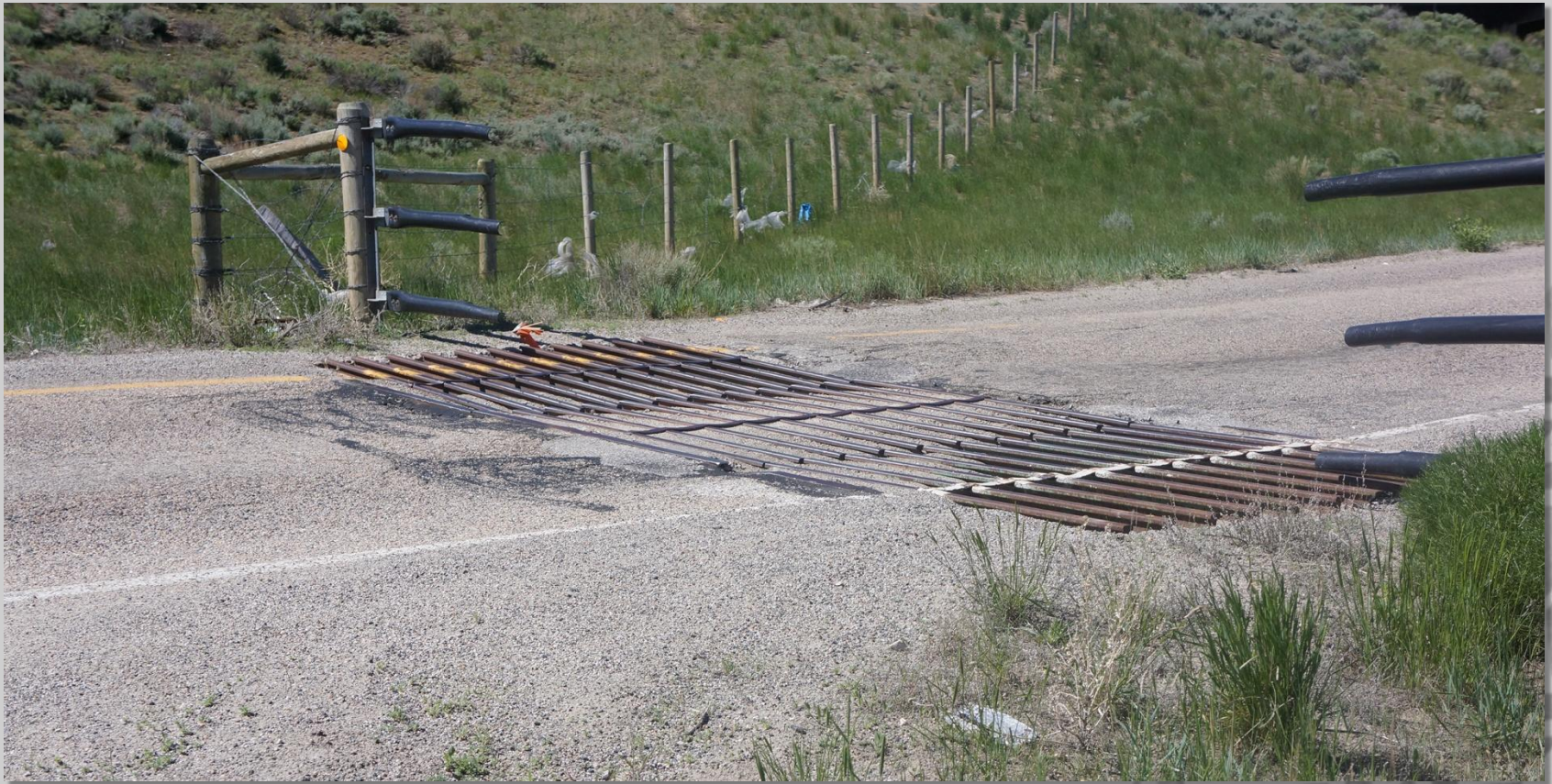
I-80 near Fort Steele (MP 227-233)
Mill/Overlay Seal Coat: \$8.3 million





Emerging Projects FY 2018

Cattle Guard Replacement – six on WYO 70 (MP 18-28):
\$401,000





Emerging Projects FY 2018

Bridge Rehabilitation – 10 on I-80 (MP 258-267): \$2.5 million





Emerging Projects FY 2018

U.S. 287, north of Rawlins (MP 2-12)
Level/Overlay/Seal Coat: \$4.5 million





Emerging Projects FY 2018

I-80 eastbound, Creston Jct. – County Line (MP 186-199)
Mill/Overlay/Seal Coat: \$9 million





Emerging Projects FY 2018

I-80 near Cooper Cove (MP 275-282)
Mill/Overlay/Seal Coat: \$8.2 million





Emerging Projects FY 2018

Chip Seal – WYO 130 (MP 47-57) and CIG Road (MP 0-1.5):
\$1.5 million





Emerging Projects FY 2018

Crack seal on WYO 130 (MP 47-57) and I-80 (MP 245-275)
\$750,000 (split with other counties)





Emerging Projects FY 2018

Contract patching – WYO 487 (MP 0-4.5)
\$1.5 million (split with other counties)





Emerging Projects FY 2019

I-80 in Rawlins (MP 210-216)
Slab Repair/Grind/Seal: \$4.6 million





Emerging Projects FY 2019

Savery Creek Road
Bridge Replacement: \$1.2 million





Emerging Projects FY 2019

WYO 70 near Dixon (MP 6-11)
Mill/Overlay/Seal Coat: \$2.1 million





Emerging Projects FY 2019

WYO 70 near Savery (MP 11-17)
Mill/Overlay/Seal Coat: \$2.1 million





Emerging Projects FY 2019

WYO 789 south of Creston Jct. (MP 20-30)
Mill/Overlay/Seal Coat: \$4 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

WYO 72 between Hanna and Elk Mountain (MP 12-16)
Mill/Overlay/Seal Coat: \$1.2 million





Emerging Projects FY 2020

WYO 72, Hanna to Elmo (MP 0-3)
Mill/Overlay/Seal Coat: \$1.2 million





Emerging Projects FY 2020

WYO 789 south of Creston Jct. (MP 10-20)
Mill/Overlay/Seal Coat: \$4.2 million





Emerging Projects FY 2020

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- Slab repair: \$700,000
- Bridge rehab: \$3.5 million
- Bridge rehab/epoxy overlay: \$1.5 million
- Thermoplastic marking: \$270,000



Emerging Projects FY 2021

I-80 eastbound near Halleck Ridge (MP 245-252)
Mill/Overlay Seal Coat: \$3 million





Emerging Projects FY 2021

I-80 eastbound near Elk Mountain (MP 252-258)
Mill/Overlay Seal Coat: \$2.9 million





Emerging Projects FY 2021

WYO 789 south of Creston Jct. (MP 0-10)
Mill/Overlay Seal Coat: \$4.4 million





Emerging Projects FY 2021

WYO 789 in Baggs (MP 50-53)
Mill/Overlay/Seal Coat: \$2.8 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 between Elk Mountain and Arlington (MP 258-267)
Mill/Overlay/Seal Coat: \$7.8 million





Emerging Projects FY 2022

WYO 230 near Riverside (MP 100-110)
Mill/Overlay Seal Coat: \$4.6 million





Emerging Projects FY 2022

I-80 east of Sinclair (MP 221-227)
Mill/Overlay Seal Coat: \$6.8 million





Emerging Projects FY 2022

WYO 13 between Rock River and McFadden (MP 8-17)
Overlay/Seal Coat: \$3.3 million





Emerging Projects FY 2022

U.S. 287, Third Street, Rawlins (MP 0.2-2)
Overlay/Chip Seal/ADA: \$1.5 million





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 near Arlington (MP 267-275)
Mill/Overlay/Seal Coat: \$8.6 million





Emerging Projects FY 2023

WYO 230 south of Riverside (MP 110-127)
Mill/Overlay/Chip seal (110-116), Overlay (116-127): \$6.5 million





Emerging Projects FY 2023

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Local Funding Resources Contact

Local Programs Coordinator

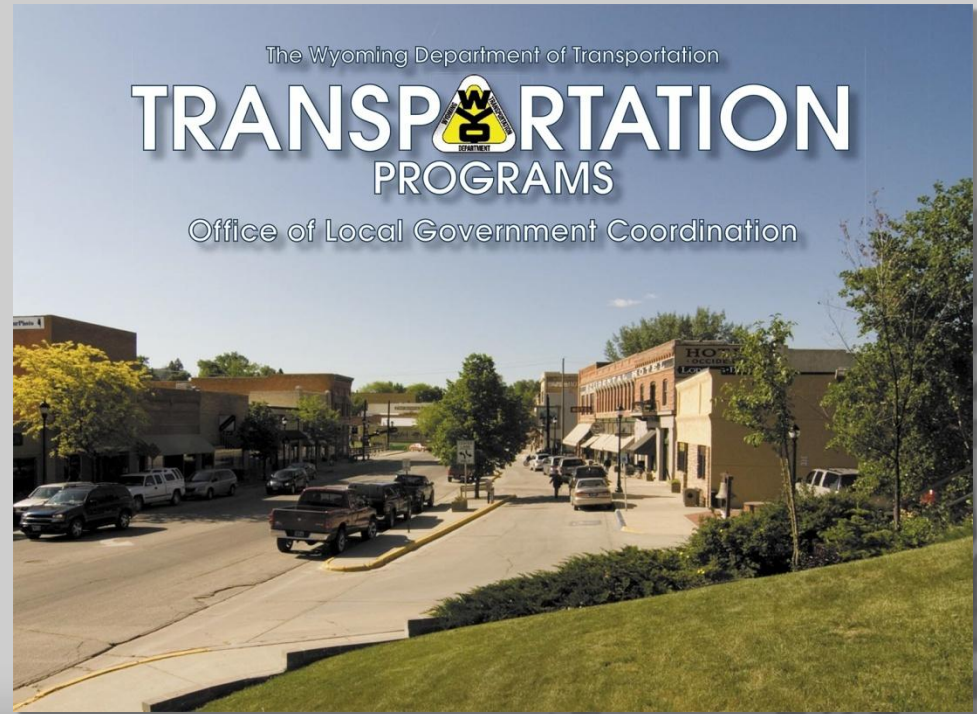
Sara Ellis (sara.ellis@wyo.gov)

5300 Bishop Blvd.

Cheyenne, WY 82009

307-777-4862

www.dot.state.wy.us

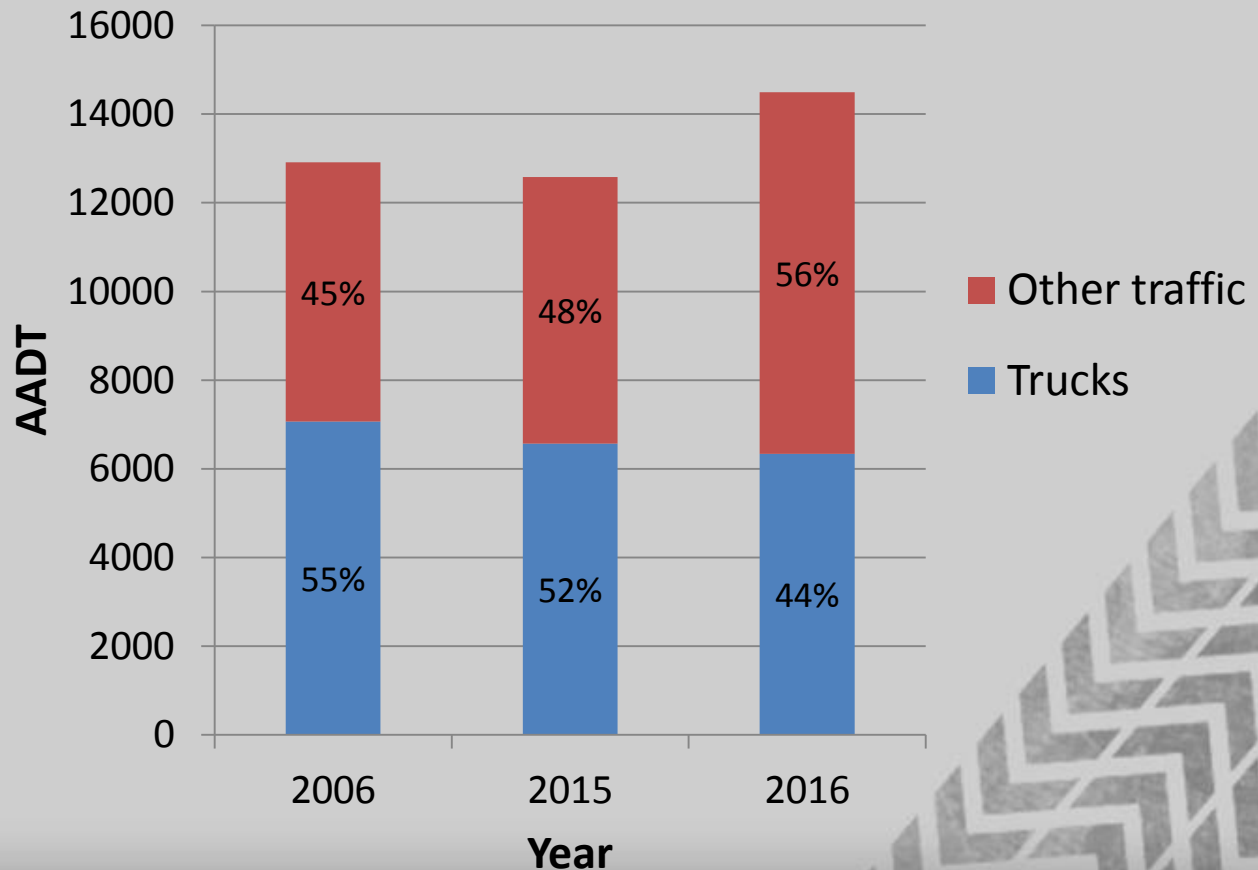




WYDOT Updates

I-80 Traffic Counts – Carbon County High

West Sinclair Interchange - MP 219-222



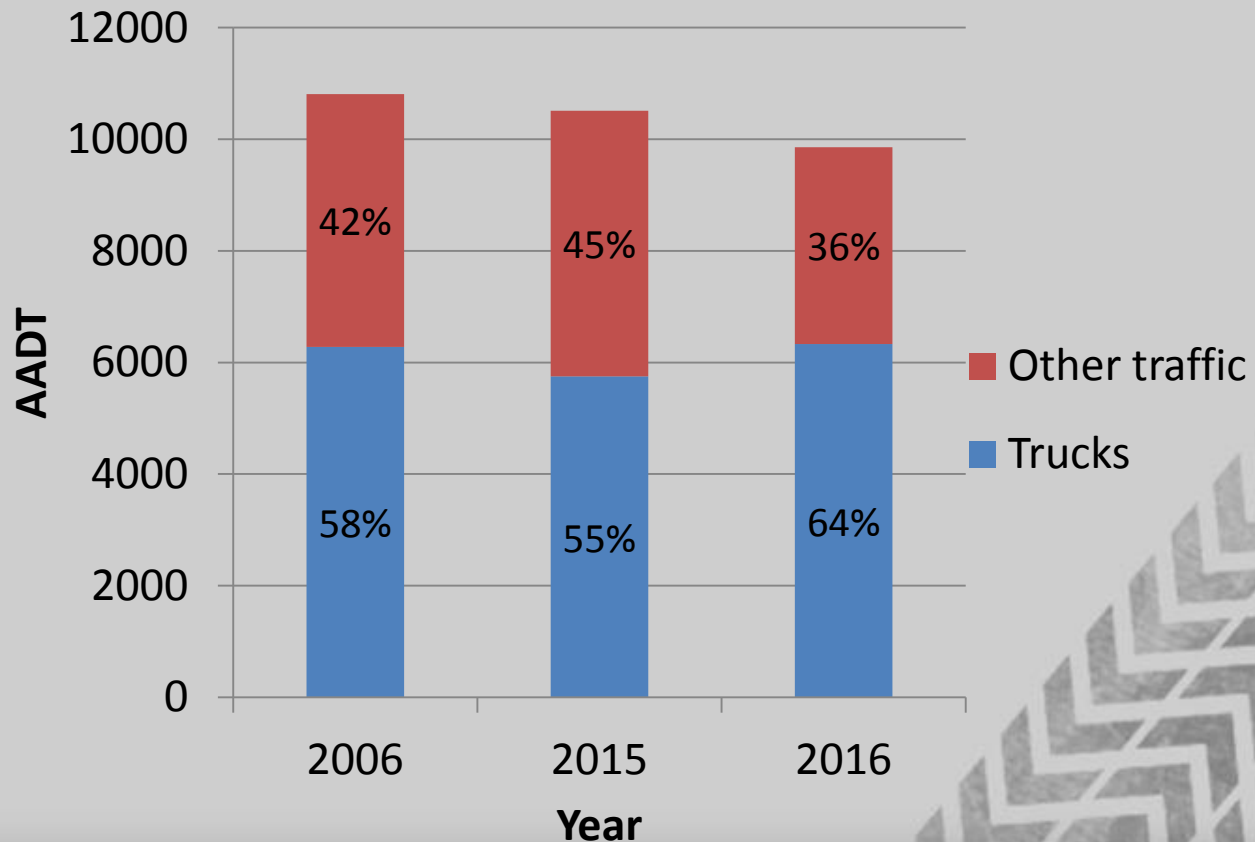
AADT = Average Annual Daily Traffic



WYDOT Updates

I-80 Traffic Counts – Carbon County Low

West Elk Mountain Interchange, MP 255-260



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 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!





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