

WYOMING'S TRANSPORTATION SYSTEM

Supporting the economy and connecting our communities.

STATE TRANSPORTATION IMPROVEMENT PROGRAM 2021-2026

Tom DeHoff, P.E. District Engineer

Tom.DeHoff@wyo.gov

307-745-2100



Meet WYDOT



Tom
DeHoff
District
Engineer



Jim Espy
Transportation
Commissioner (Albany and Carbon Counties)





Meet WYDOT

Ralph
Tarango
District
Maintenance
Engineer



Tim Morton
District
Construction
Engineer



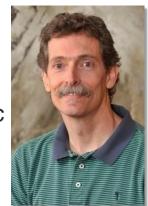
Capt. Tom Stoker Wyoming Highway Patrol



Dick
Demoney
District
Equipment
Supervisor



Randy
Griesbach
District Traffic
Engineer



Jordan Achs
Public
Relations
Specialist





Meet WYDOT

Construction



Steve Cook
Resident
Engineer



Kory Cramer Resident Engineer

Maintenance



Eric AndersonArea Maintenance Supervisor



Brett Baker Foreman



Al Branscom Foreman



Purpose









Need public input

Need to know what local agencies are working on

Overview of WYDOT

How can we work together?



Road Map



WYDOT Funding



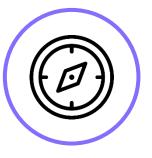
STIP Development and Overview



District Projects



Partnership Opportunities



Next Steps



Purpose, Mission, Vision & Values

Purpose: Support Wyoming's economy while safely connecting communities and improving the quality of life.

Mission: Provide a safe and effective transportation system.

Vision: Excellence in Transportation

Values: Respect, Integrity, Dedication, Excellence, Safety (RIDES)



Our Goals

- Ensure a vibrant, safe and competent workforce
- Acquire and responsibly manage resources
- Provide safe, reliable and effective transportation systems
- Provide essential public safety services and effective communication systems
- Create and enhance partnerships with transportation stakeholders
- Encourage and support innovation
- Preserve our history and heritage



Guiding Principles

- 1. Align expenditures with available revenue amount and source
- Focus on addressing identified critical life safety issues.
- 3. Prioritize WYDOT asset preservation based on condition of the asset to meet established goals (as appropriate)
- 4. Improve operational effectiveness and efficiency
- 5. Prioritize activities to minimize negative impacts to the public
- 6. Address mobility and capacity through system improvements and enhancements



Fiscal Year 2020 – Total Funding

\$678,434,243

Fiscal Year 2020 Total Funding

51.49%
Federal Revenue
\$349,327,216

Selection of the image of the ima



Fiscal Year 2020 – Funding Allocation

Commission

84% - \$569,856,596

Programs

- Construction
- Maintenance
- Equipment
- Facilities
- Traffic
- Financial Services

Legislative

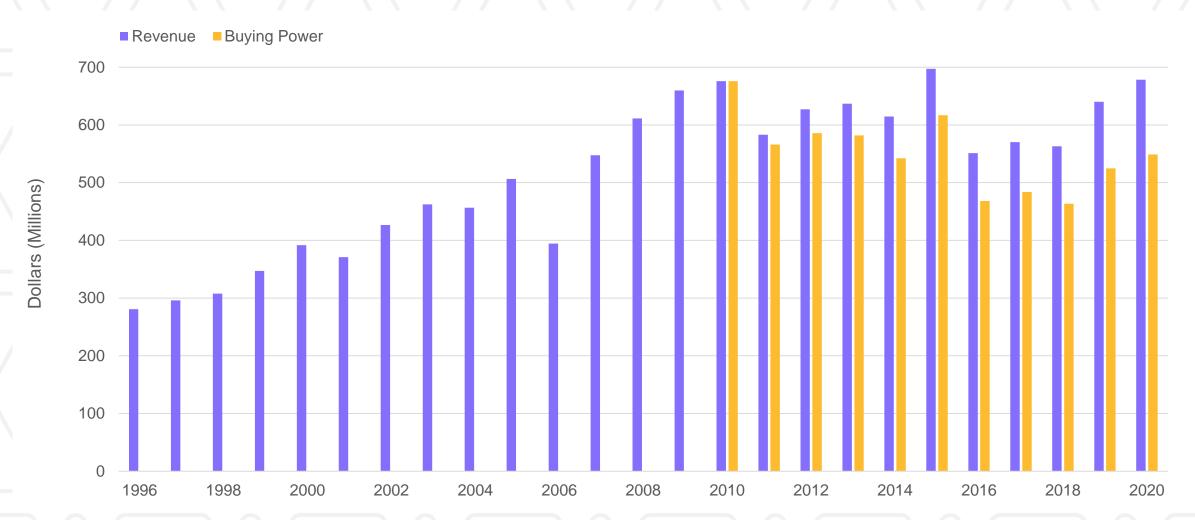
16% - \$108,577,647

Programs

- Patrol
- Aeronautics
- Driver's License
- Motor Vehicles
- Human Resources
- Ports of Entry



WYDOT Revenue & Buying Power





WYDOT Funding Discussion

Ongoing Transportation Needs Study

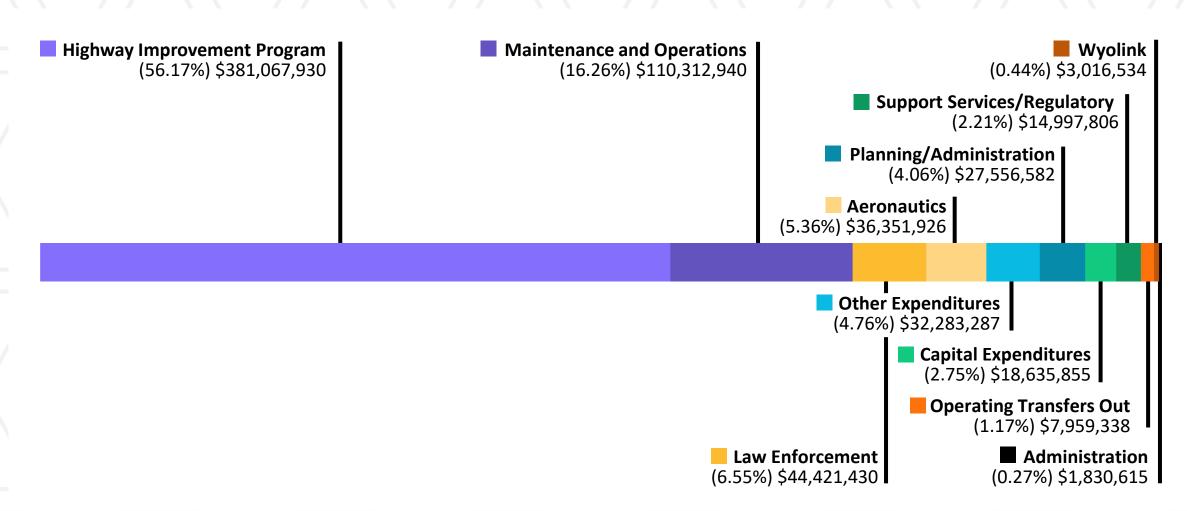
- Determine overall department needs
- Develop priorities
- Trade-off analysis

COVID-19 Pandemic

- Reduced travel highpoint was an approximate 40% reduction
- Reduced fuel tax income
 - FY 2020 approximately \$11M
 - FY 2021 approximately \$23M



FY 2020 Expenditures





2020 Funding Made Available to Cities & Counties

Roadways

- \$23.3M Total
 - \$14.9M is option and \$8.4M required
 - \$20.4M federal funds and \$2.9M state funds
- Includes: Urban areas, BROS, RR crossings, Enhancements, TAP, CMAQ, CRIP, IRP, Community snow removal, and T² (UW)

Airports

- \$32.8M Total
 - \$22.6M federal funds and \$10.2M state funds

Transit - Public Transportation

- \$14.7M Total
- \$13.2M federal funds and \$1.5M state funds



WYDOT Unfunded Operating Needs

Operating Need	Annual Cost
Surface Transportation	
Construction	\$69,000,000
Maintenance	\$3,395,000
Revenue Information System (RIS)	
Annual Maintenance	\$6,800,000
Telecommunications	\$650,000
Airport Improvement Program	\$11,962,000
Fleet Equipment	\$16,121,000
Wyolink	\$5,224,000
BUILDINGS (Pending Results Of Third Party Building Assessment)	
Construction	\$19,350,000
Rehabilitation/Remodel	\$2,150,000
Maintenance	\$927,500
Total	\$135.6 M



State Funding Budget Modifications

- Studying: Pool cars, building leases, Ports of Entry (POE), and driver services
- Hiring Timing
- Industrial Road Program (IRP)
- Living Snow Fence
- NHTSA match (externals)
- Travel restrictions
- Custodial service in Cheyenne buildings, including landscaping
- Reduce ride targets and pavement bonus on secondary roads
- WyoLink towers for non-WYDOT purposes

- Wyoming Cooperative Highway Landscape Grant Application
- Community Snow Removal Payment
- Reduce winter maintenance activities
- Reduce Supplementary Information Signs
- Stop applying for discretionary grants
- Closing Select Rest Areas
- Let seasonal closures open later
- Reduce the number of new highway construction project let to contract
- Reduce regular summer maintenance



Program Savings/Year		rogram Savings/Year Description		Proposed Course of Action
Transportation Alternatives Program (TAP)	\$2,500,000	A community-based program that expands travel choices and enhances the transportation experience by integrating modes and improving the cultural, historic, and environmental aspects of the transportation system. OP 3-3	Federal (80/20) Continue program, hon existing agreements.	
Industrial Road Program (IRP)	\$2,000,000	A road construction program created to assist counties with economic development efforts. WS 24-5-101 to 122, \$4,000,000 per biennium, 50% match by county.	State (50/50)	No new projects will be accepted into the program until adequate funding is received
Transportation Enhancement Activities	\$2,000,000	Districts can budget up to \$400,000 per project to enhance infrastructure on state routes for local entities. OP 3-3	Federal (90/10)	Program will continue but will be periodically reviewed for effectiveness and continuation.
Context Sensitive Amenities (CSA)	\$1,467,000	A program designed to incorporate context sensitive design solutions into the physical work on WYDOT reconstruction projects within communities. 3% of preliminary construction estimate on projects within urban areas. Annual cost is 6 years of the STIP, including \$4.5 million for I-25/I-80. OP 18-14	Federal (90/10) - local pays match	Continue program, honor existing agreements; however, require local governments to provide the 10% match. Program will be evaluated periodically.



	Program Savings/Year		Description	Source	Proposed Course of Action	
Commission Road Improvement Program (CRIP)		\$5,000,000	A program created by the Wyoming Transportation Commission to address unique rural major collector road situations. Stated purpose is the possibility of taking a state highway onto the county system. OP 2-1	Federal (85/15)	This is a Transportation Commission discretionary program. The program will continue, however, the Commission can make adjustments at anytime.	
	Surface Transportation Project – Urban (STPU)	\$5,700,000	A road construction program to assist Wyoming urban cities to address road and street needs created by increased traffic generation, changes in land use patterns and other community development characteristics. By definition, an urban municipality is one with a census population greater than 5,000. OP 2-4	Federal (90/10)	Program will continue but will be periodically reviewed for effectiveness and continuation.	
	Community Snow Removal Payment	\$790,000	WYDOT plows state highways in communities with a population less than 1,500, and communities greater than 5,000 receive STPU. 24-2-111	State - WYDOT provides all funding	WYDOT will suspend contributions for FY 2021. Payments planned for July 2020 will be made.	



Program	Savings/Year	Description	Source	Proposed Course of Action
County Dust Suppression and Mitigation	\$2,000,000	This program was created to address transportation-induced air quality conditions that threaten to place an area or county of the State within the status of air quality non-attainment. Primarily to supply dust suppression material for county roads to keep industrial areas in air quality compliance. Funds are from the CMAQ program. These funds could be spent on other programs. OP 2-12	Federal (80/20)	Continue program, honor existing agreements, however, will evaluate program periodically for continuation.
Bridge Replacement Off System (BROS)	\$1,300,000	A program to replace eligible bridges that are unsafe due to structural deficiencies, physical deterioration, and/or functional obsolescence. The program applies to structures not on the federal-aid system. Required to spend \$1.86 million but have traditionally spent about \$3.2 million.	Continue program, hon existing agreements, how	
High Risk Rural Road (HRRR) to counties	\$400,000	Approximately 60% of fatalities occur on rural roads, and the purpose of this program is to achieve a significant reduction in traffic fatalities and incapacitating injuries on rural major or minor collectors, and/or rural local roads. The majority of fatal and incapacitating injury crashes occur on the state highway system.	Federal (90/10)	Continue program, honor existing agreements.



	Program Savings/Year		Program Savings/Year Description		Proposed Course of Action
	Federal Lands Access Program	\$9.5 million	The Federal Lands Access Program provides funding to improve transportation facilities that provide access to, adjacent to, or located within Federal lands, with an emphasis on high-use recreation sites and economic generators. Application period opens in late-July	Federal (90/10) - local pays match	Program will continue but will be periodically reviewed for effectiveness and continuation.
	Public Transit —		There is a variety of transit funding available for community and regional transit planning, public transportation projects to improve mobility an reduce congestion, provide funding to ensure our seniors and individuals with disabilities have the necessary transportation as well as bus facilities and the purchase of transit vehicles for this purpose.	(ratio varies)	
			Approximately \$400 million available, \$200 million to infrastructure and \$200 million for road and street projects. Contact Office of State Land Investments for more details		
				\setminus ()	



Rest Area Closures

<u>Name</u>	<u>Highway</u>	Nearest Town	Nearest Service (Miles)
Lusk	US 18	Lusk	1
Guernsey	US 26	Guernsey	2
Greybull	US 16	Greybull	2
Moorcroft	I-90	Moorcroft	0
Star Valley	US 89	Thayne	3
Ft. Steele	I-80	Sinclair	7
Sundance	I-25	Sundance	0
Upton	US 16	Upton	0
Orin Junction	I-25	Douglas	0
Chugwater	I-25	Chugwater	0



WYDOT Highway Assets

Asset Needs

- 6,806 Miles of Roads
- 5,923 Bridges/Structures
- 42,200 Culverts
- 800 miles of guardrail
- 80,000 signs
- 12,000 miles of fence

Other needs

- Mobility/Capacity
- Safety
- Wildlife
- Active Transportation
- Roadside Features
- ITS

Balancing Our Funds



Delayed Construction Projects

Project Number	Description	Cost	Notes	FY
1806212	I806212 I-80 / I-25 Interchange		Reconstruction	New
N432057	Wright to Gillette / WY 59	\$20,834,031	Widen to 5-Lanes and overlay	2026
4206001	Laramie Streets - Bill Nye Ave	\$9,045,984	New construction	2022
U212018	Cheyenne / College Drive / S Greeley to Fox Farm	\$18,684,126	Widen to 5-Lanes and overlay	2025
I252171	I-25 / Wheatland to Glendo	\$7,386,482	Reconstruction	2024
P242015	Shirley Rim to Casper / WY 487	\$15,157,455	Reconstruction	2026
N342047	N342047 Waltman to Shoshoni / US 20/26		Passing Lane	2022
N342048 Shoshoni to Thermopolis / US20 / WY 789		\$3,632,196	Passing Lane	2022
2203018	Tensleep / Big Trails / WY 434	\$1,800,001	2" Overlay and chipseal	2025
1708012	Sheridan /Coffeen Ave	\$18,702,499	Widen to 5-Lanes and overlay	2022



STIP Process Overview

Other Projects

April - May June - August September **Transportation Candidate Projects Public Input STIP Inputs** Commission **Asset Management Highway Projects Transportation Commission** Approves STIP **Systems Aeronautics Commission** Rail Projects Federal Highway Safety Administration (FHWA) **Public Transit PSC Commission** concurs in approval Performance Measures **Indian Reservation Road Transportation Alternative Economic Development** Projects (IRR) Program (TAP) Federal Transit Authority concurs in approval Long Range Federal Lands Projects Citizens Transportation Plan **Public Agencies Enhancement Projects Mobility** (TAP) **Transportation Agencies** Budget **MPO TIP Projects** MPO's **Aeronautics Projects Tribal Governments** Off-system Projects **Federal Agencies Capital Projects** October 1st

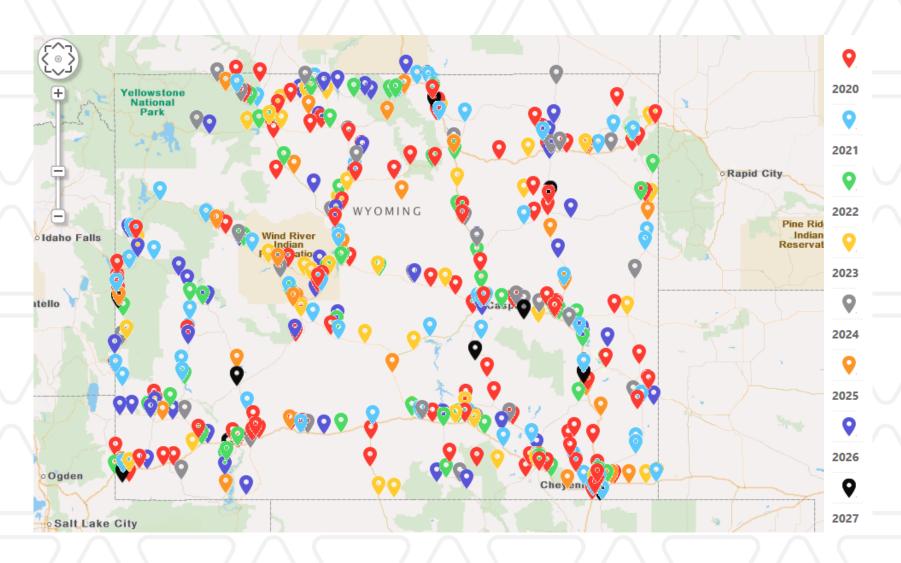
Bureau of Indian Affairs

Local Governments

Final STIP Published



STIP Project Map





Highway Project Process

Planning Phase

- STIP Development
- Reconnaissance
- Survey Phase
- Public Input

Design Phase

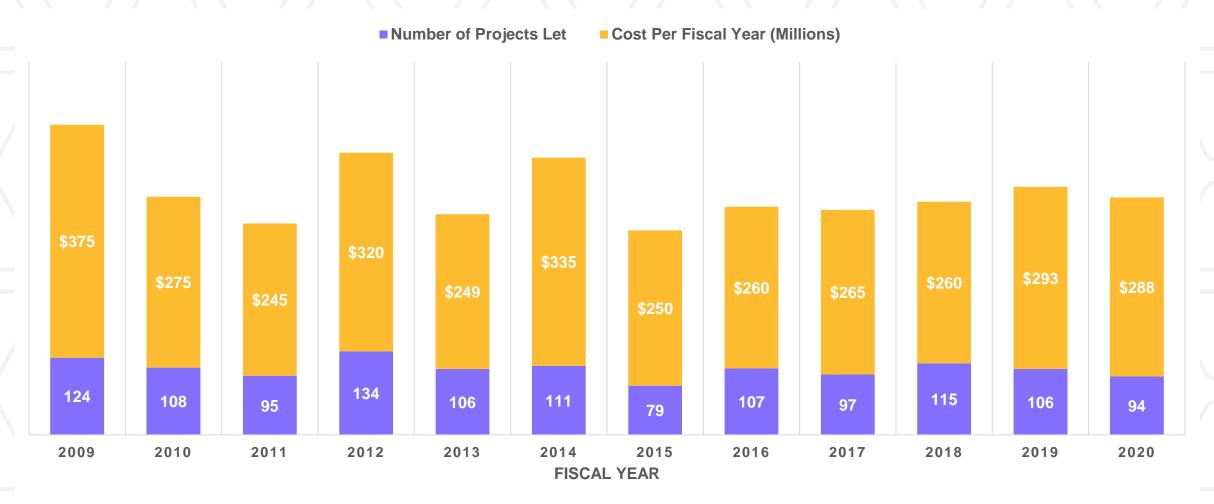
- Issuance of design plans
- Engineering Studies
- Final plans and specifications
- Public Meetings as appropriate

Contract Phase

- Advertisement
- Public Bidding
- Award
- Construction
- Public Meetings as appropriate



Number of Projects Let & Cost Per Fiscal Year





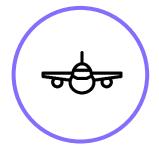
STIP - What is in the document?



Highway
Projects – 6 Year
Plan



Transit Projects



Aeronautic Projects



Public Safety
Communications
Commission
(PSCC) Projects



Capital
Construction
Projects



STIP - What is in the document?

282.65 291.46



Wyoming Department of Transportation 5300 Bishop Blvd Cheyenne, WY 82009

RAWLINS TO LARAMIE

AWK, AWL

QUEALY DOME WEST STRUCTURE/I-80

STRUCTURE NO. AWE, AWF, AWH, AWI,

STATE TRANSPORTATION IMPROVEMENT PROJECTS ENGINEERING & CONSTRUCTION

WYCN002B

Albany County

NHPPI

1805177

Transportation Projects Fiscal Year: 2021 Cost \$1.000 Trans Begin RM General Location End Character of Work Comm Project Detail Location RM PE CE CON TOTAL FED отн ST Dist CURTIS STREET-THIRD STREET/I-80 NHPPI 1805175 310.00 313.80 3.80 PAVEMENT REHABILITATION 631 6,306 7.029 6,519 509 STRUCTURE NO. AXD, AXE, AXJ, AXK, LBL LBM, LBN, LBO, KLH, KLI

8.81 PAVEMENT REHABILITATION

FY TOTAL: 12.61 \$413 \$1,826 \$18,254 \$20,493 \$19,008 \$1,484 \$6

1,195

\$1,826

11,948

\$19,474

13,464

\$21,713

12,489

\$19,608

975

\$2,030

\$74

321

Aeronautics Projects Fiscal Year: 2021 Aero Cost \$1,000 Comm Project General Location Character of Work PE CE TOTAL FED ST отн CON Dist ALA003A | LARAMIE PLANNING STUDY 640 ALA005A LARAMIE AIRPORT EQUIPMENT 580 580 522 58 FY TOTAL: **\$**0 \$1,220 \$1,220 \$600 **\$**546 \$74

Transportation Projects Fiscal Year: 2022 Cost \$1,000 Trans General Location Begin End Project Character of Work Comm Length Detail Location RM PE TOTAL FED ST OTH Dist LARAMIE TO CHEYENNE NHF 1805179 VEDAUWOO WEST/I-80 324.01 330.24 6.23 PAVEMENT REHABILITATION 215 884 8,836 9,935 9,215 719 STRUCTURE NO. AXW. AXX

Grand Total: 2021, Albany County



STIP - What is in the document?



Wyoming Department of Transportation 5300 Bishop Blvd Cheyenne, WY 82009

STATE TRANSPORTATION IMPROVEMENT PROJECTS COUNTY TOTAL

WYCN00102SUM

	County		Transportation Projects	Capital Improvement Projects	Communications Projects	Transit Projects	Aeronautics Projects	Total
)		2021	\$20,493,000	\$0	\$0	\$0	\$1,220,000	\$21,713,000
		2022	\$10,739,000	\$0	\$0	\$0	\$991,000	\$11,730,000
)		2023	\$21,645,000	\$0	\$0	\$0	\$2,347,000	\$23,992,000
	Albany	2024	\$20,794,000	\$0	\$0	\$0	\$640,000	\$21,434,000
		2025	\$15,699,000	\$0	\$0	\$0	\$747,000	\$16,446,000
		Future Year	\$21,132,000	\$0	\$0	\$0	\$0	\$21,132,000
		Total	\$110,502,000	\$0	\$0	\$0	\$5,945,000	\$116,447,000



Albany County STIP 2020-2026

Tim Morton, PE District Construction Engineer



2020

Current projects



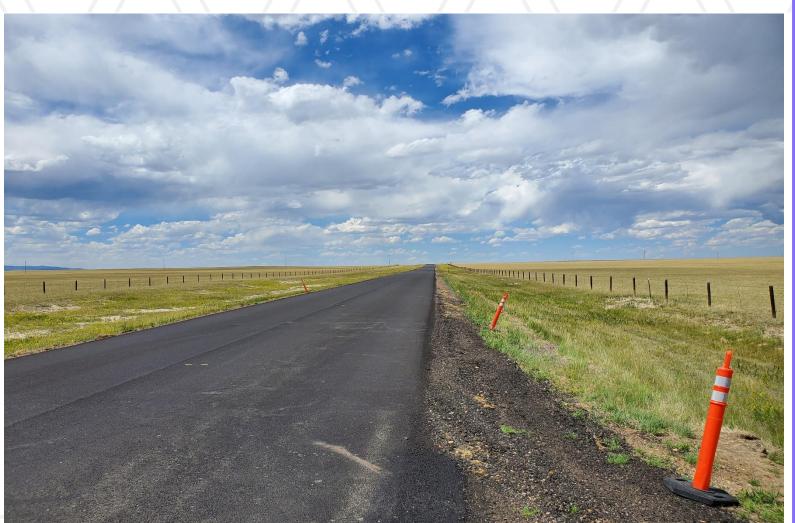
I-80 — Telephone Canyon section

- Bridge rehab Happy Jack Rd. interchange (exit 323)
- Mile markers 318-324
- High-performance wearing course
- \$5 million project
- Estimated completion date: fall 2020





WYO 12 – Herrick Lane



- Mile Markers 0-12
- Mill, overlay and chip seal
- \$3.2 million project
- Estimated completion date: wrapping up this month



I-80 sign upgrade

- Mile markers 281-337
- \$900,000 project
- Estimated completion date: October 2020





WYO 230 — Harmony section



- Mile markers 11.5-22.6
- Mill, overlay and chip seal
- \$4.4 million project
- Estimated completion date: August 31



I-80 — east of Laramie

- Eastbound lane at mile marker 319
- Rock scaling, mesh
- \$827,000 project
- Expected to start late fall 2020; expected completion date is in late spring 2021





District-wide projects — various locations

- Bridge rehab/maintenance \$1.2 million
- Chip seal \$1.6 million
- Contract patch \$2.6 million
- Crack seal \$664,000
- Epoxy striping \$550,000
- Thermoplastic markings \$270,000





2021

Upcoming projects



I-80 — Quealy Dome West

- Mile markers 282-291
- Mill, overlay, seal coat, structures
- \$13 million project





I-80 — Laramie marginal

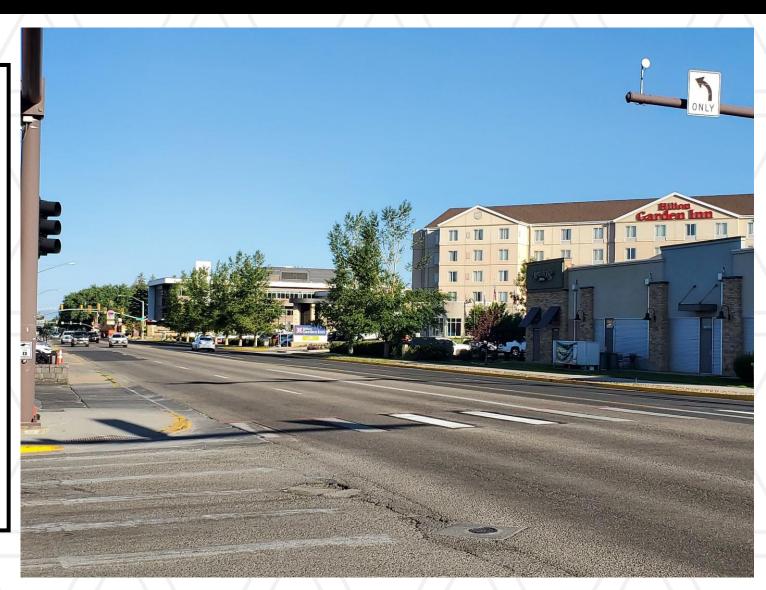


- Curtis St. exit to Third St. exit (mile markers 310-313)
- Slab repair, chip seal, high performance wearing course, bridge rehab
- \$6.9 million project



District-wide projects — various locations

- Bridge rehab/maintenance \$6.1 million
- Chip seal \$2.6 million
- Contract patch US 30 (Grand Ave.) between 21st and 30th Streets — \$1.6 million
- Crack seal \$531,000
- Epoxy striping \$550,000
- Slab repair \$1.5 million





2022

Upcoming projects



I-80 — Vedauwoo West

- Mile marker 324-330
- Mill, overlay, seal coat
- \$9.7 million project





Laramie Streets — Signalization

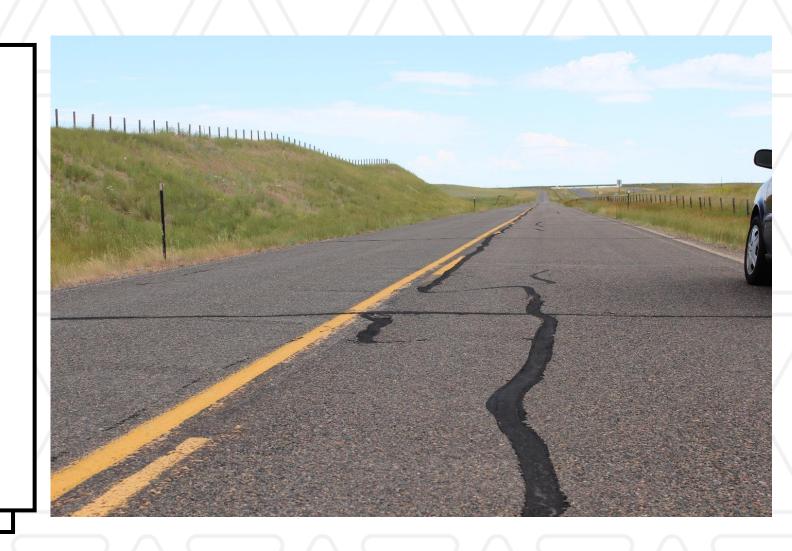


- Intersection of US 287 (Third St.) and Flint St.
- Traffic signal installation, ADA upgrades
- \$425,000 project



District-wide projects — various locations

- Bridge rehab/maintenance \$1.7 million
- Chip seal \$2.2 million
- Contract patch \$2.4 million
- Crack seal \$500,000
- Slab repair \$1.4 million





2023

Upcoming projects



WY 34 — Bosler section



- Mile markers 0-10
- Mill, overlay, chip seal
- \$5.7 million project



I-80 — Curtis Street Interchange

- Mile marker 310
- Bridge replacement, pedestrian improvements
- \$9.3 million project





WYO 230 — Lake Hattie section



- Mile markers 2.5-11.5
- Mill, overlay, chip seal
- \$5.1 million project



District-wide projects — various locations

- Bridge rehab/maintenance \$950,000
- Chip seal \$1 million
- Contract patch \$1 million
- Crack seal \$528,000
- Guardrail \$1 million
- Slab repair \$221,000





2024

Upcoming projects



US 287 — south of Laramie



- Mile markers 402-405 (roughly Huron St. to City Ranch Rd.)
- Widen to 5 lanes, overlay
- \$3.3 million project



Bill Nye Avenue

- New construction between Boulder Dr. and 19th St.
- Street, sanitary sewer line construction
- \$6.3 million project





WYO 13 — McFadden-Rock River



- Mile markers 0-8
- Mill, overlay, chip seal, replace Rock Creek structure
- \$5.3 million project



District-wide projects — various locations

- Bridge rehab/maintenance \$3 million
- Chip seal \$750,000
- Contract patch \$850,000
- Crack seal \$500,000
- Slab repair \$500,000





2025

Upcoming projects



US 287 (Third Street)

- Between Curtis St. and Boswell Dr.
- Mill, overlay, ADA upgrades, traffic signal replacement
- \$6.1 million project





I-80 — west of Laramie



- Mile markers 299-309
- Eastbound lanes only mill, overlay, wear course
- \$8.7 million project



District-wide projects — various locations

- Bridge rehab/maintenance \$4.1 million
- Chip seal \$650,000
- Contract patch \$500,000
- Crack seal \$500,000
- Slab repair \$500,000





2026

Upcoming projects



WYO 130 — west of Laramie

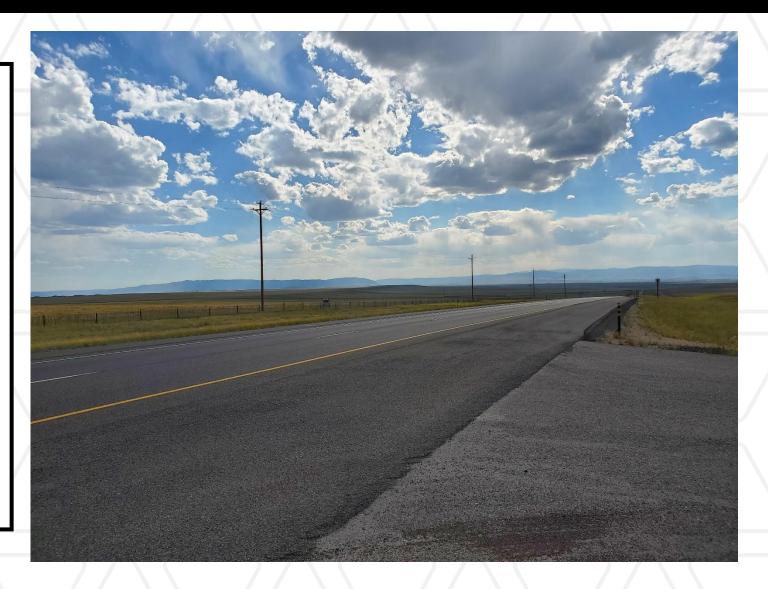


- Mile markers 16-27
- Mill, overlay, chip seal
- \$5.5 million project



I-80 — west of Laramie

- Mile markers 299-309
- Westbound lanes only mill, overlay, wear course
- \$9.1 million project





US 30 — north of Laramie

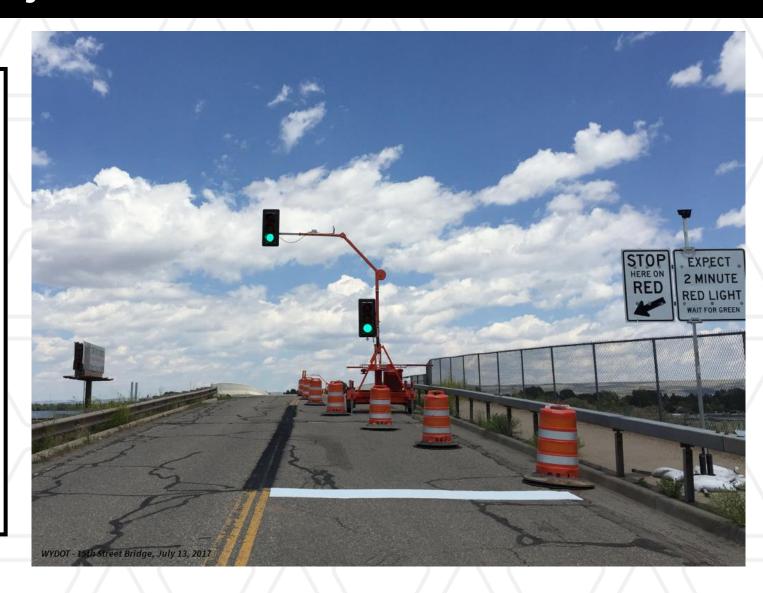


- Mile markers 317-327 (Curtis St. north)
- Mill, overlay, seal coat, chip seal
- \$5.5 million project



District-wide projects — various locations

- Bridge rehab/maintenance \$500,000
- Chip seal \$500,000
- Contract patch \$500,000
- Crack seal \$2.5 million
- Slab repair \$500,000





Other noteworthy projects

Looking ahead to projects with regional or statewide interest



Wildlife crossing initiatives

District 1 Locations:

- I-80 near Halleck Ridge
- WYO 789 near Baggs
- WYO 230 near Woods Landing
- (other various locations statewide)

Major projects:

- Overpasses
- Underpasses

Smaller projects:

- Fencing
- Signage
- Mowing
- Collaborative effort with WY Game & Fish, other area stakeholders



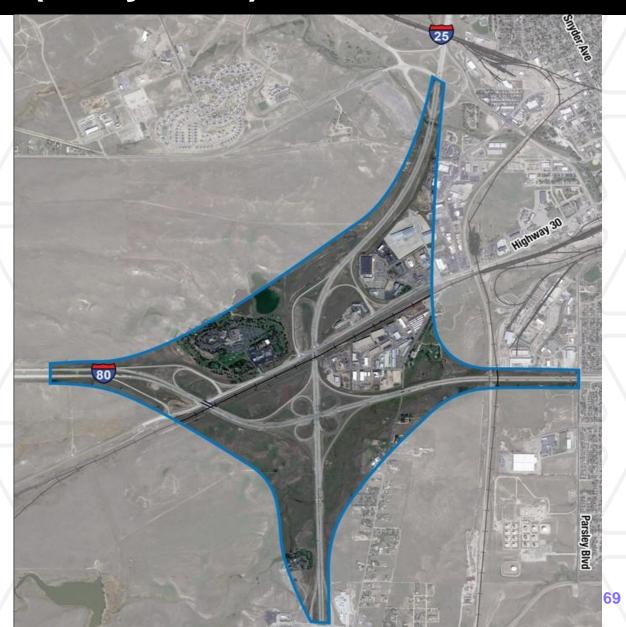




I-25/I-80 Interchange (Cheyenne)

• Upgrade

- New configuration
- Planning for future growth
- Early stages
 - NEPA process
 - Recent public meetings





I-80 Winter Freight Project

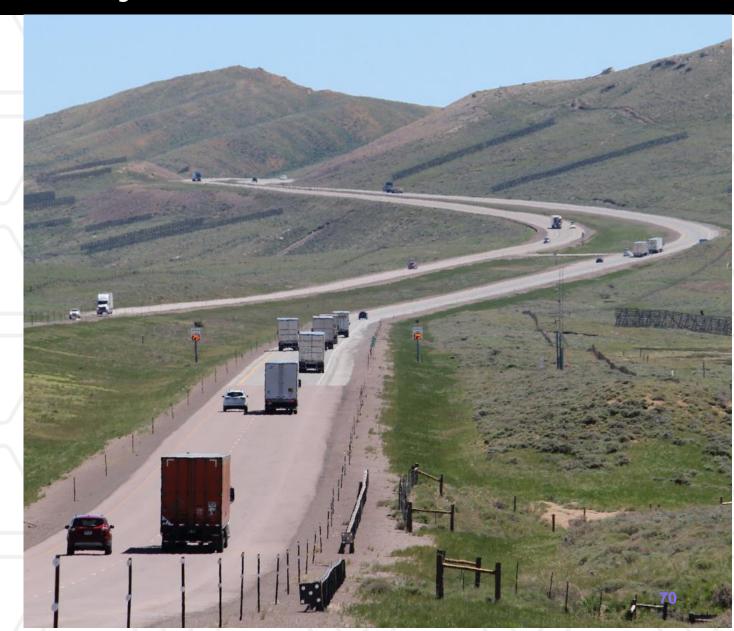
Additional truck parking:

- Ft. Steele Rest Area
- Quealy Dome

Climbing lanes:

- I-80 eastbound at Halleck Ridge
- I-80 westbound at Cooper Cove

\$20 million project funded by federal BUILD grant





Wind Development in Southeast WY

WYDOT works with wind energy companies on road use agreements, especially when areas see major traffic changes from the development.

WYDOT will do our best to help companies with their development while also considering road maintenance and the safety of the traveling public.





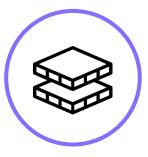
Partnerships



Funding Opportunities



Construction Partnerships



Supply Purchases



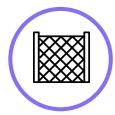
Partnerships - Construction



Sand & Chemical Snow Melt



Surveys & Environmental



Fence



Aggregate Stockpiles



Recycled Asphalt Pavement



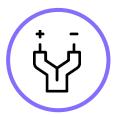
Turn Lanes



Signs & Striping



Pavement



Conduit



Chip Seal



Water & Sanitary Sewer Line



Sidewalk & Lighting



Utility Upgrades



Partnerships – Supply Purchases



Bulk Sodium Chloride



Drug & Alcohol Testing Services



Striping Paint



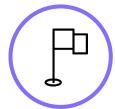
Crack Sealing Material



Solid & Liquid Anti-Icers



Paint Beads



Survey Stakes

Reflective

Sheeting

Road Salt



Duty Jackets



Fabricated Steel



Vehicles



Work Wear



Road Oil



Fuel (Gasoline & Diesel)



Propane

Equipment



Local Government Coordination

Tom DeHoff, District Engineer

(307) 745-2100 | <u>tom.dehoff@wyo.gov</u>

Mark Gillett, Chief Engineer

(307) 777-4484 | Mark.Gillett@wyo.gov

Keith Fulton, Assistant Chief Engineer – Engineering and Planning

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Vacant, Assistant Chief Engineer – Operations

(307) 777-4484 |

Sara B. Janes Ellis, Local Government Coordinator

(307) 777-4438 | <u>Sara.Ellis@wyo.gov</u>



How can we work together?



Let us know what projects are planned in this area



What are we missing? Safety, mobility, congestion, etc.



What would you like to see in the STIP document?



What is the best way to present information?



Road and highway funding



Additional Information – Online Public Meeting

WYDOT is hosting a self-guided online public meeting for the Statewide Transportation Improvement Program (STIP)

The public can participate in the online meeting at their convenience

Interactive map to show projects and provide comments
Starts Monday, July 13, 2020
Closes Friday, August 31, 2020

The online meeting can be accessed at <u>www.wydotSTIPmeeting.com</u>



WYOMING'S TRANSPORTATION SYSTEM

Supporting the economy and connecting our communities.

STATE TRANSPORTATION IMPROVEMENT PROGRAM 2021-2026

Jordan Achs

Jordan.Achs@wyo.gov

307-745-2142