CROOK COUNTY

WYOMING'S TRANSPORTATION SYSTEM

Supporting the economy and connecting our communities.

STATE TRANSPORTATION IMPROVEMENT PROGRAM 2021-2026

Scott Taylor

Scott.Taylor@wyo.gov

307-674-2300



District 4



Scott Taylor, PE District Engineer





Mike Larson WYDOT Transportation Commissioner



Administrative Staff



Larry Konetzki District Maintenance Engineer



James Evensen District Construction Engineer



Michelle Edwards District Traffic Engineer





Laura Dalles Public Involvement Specialist

Equipment Supervisor

Tim Winslow



Captain Jason Green



Jenny Sullivan District Human Resources



Crook County



Preston Beckstead Resident Engineer



Dean Bethea Shop Supervisor



Lieutenant Tim Boumeester WHP



Brad Marchant Area Maintenance Supervisor



Rusty Speidel Maintenance Foreman - Sundance

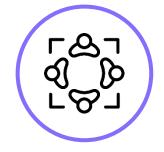


Purpose









Need public input Need to know what local agencies are working on Overview of WYDOT

How can we work together?



Road Map



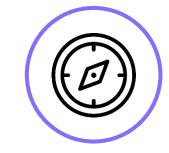




WYDOT Funding

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
- 2. 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

32.59%

Highway User Fees (Restricted) \$221,095,710

15.92%

Other State Revenue \$108,011,317



Fiscal Year 2020 – Funding Allocation

Commission 84% - \$569 856 596

84% - \$569,856,596

Programs

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

Legislative

16% - \$108,577,647

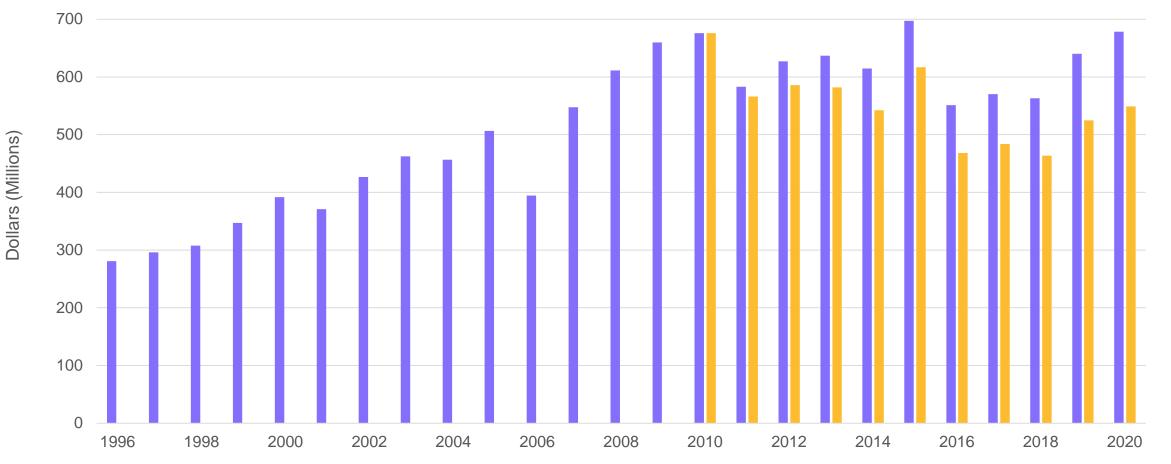
Programs

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



WYDOT Revenue & Buying Power





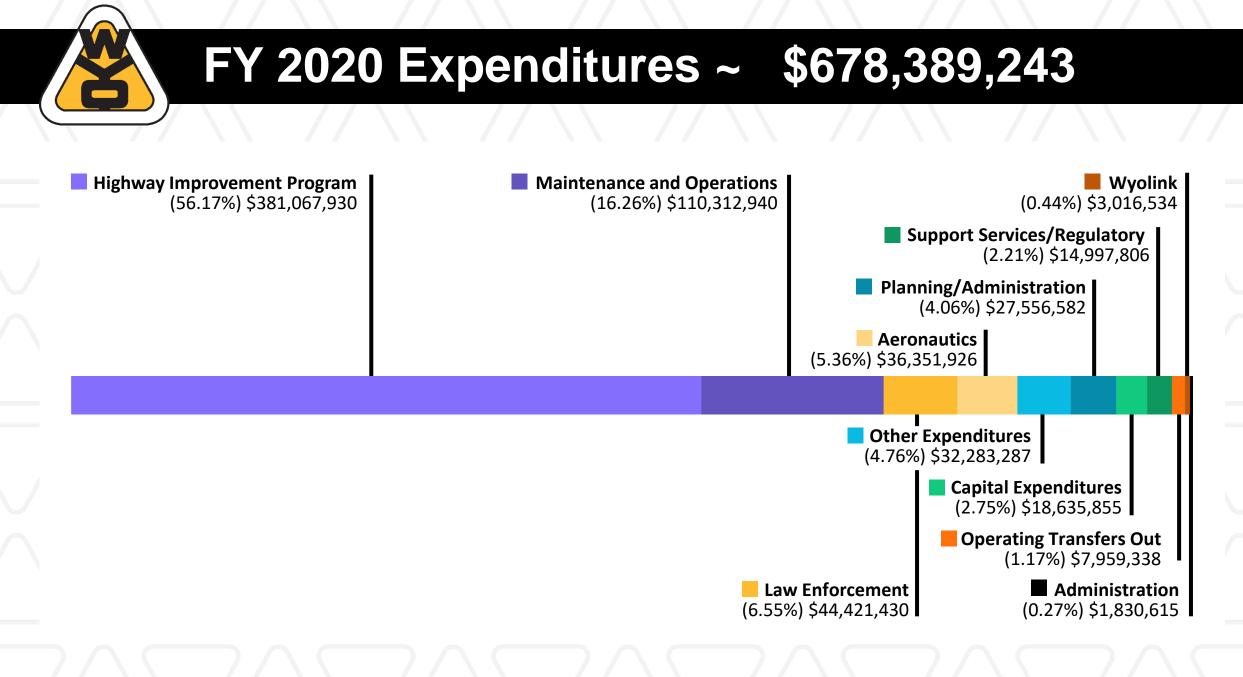
WYDOT Funding Discussion

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





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



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



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



Rest Area Closures

<u>Name</u>	<u>Highway</u>	<u>Nearest Town</u>	<u>Nearest Service (Miles)</u>		
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			

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

Mobility/Capacity

Other Needs

- Safety
- Wildlife
- Active Transportation
- Roadside Features

ITS

Balancing Our Funds



Delayed Construction Projects

Project Number	Description	Cost	Notes	FY
Not assigned	Jackson to Wilson / WY 22	\$50,000,000	Reconstruction	2026
1806212	I-80 / I-25 Interchange	\$310,000,000	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			
U212018	Cheyenne / College Drive / S Greeley to Fox Farm		ley to Fox \$18,684,126 Widen to 5-Lanes and overlay	
I252171	I-25 / Wheatland to Glendo	\$7,386,482	Reconstruction	2024
P242015	Shirley Rim to Casper / WY 487	\$15,157,455	57,455 Reconstruction	
N342047	Waltman to Shoshoni / US 20/26	\$7,523,112	Passing Lane	2022
N342048	N342048 Shoshoni to Thermopolis / US20 / WY 789		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



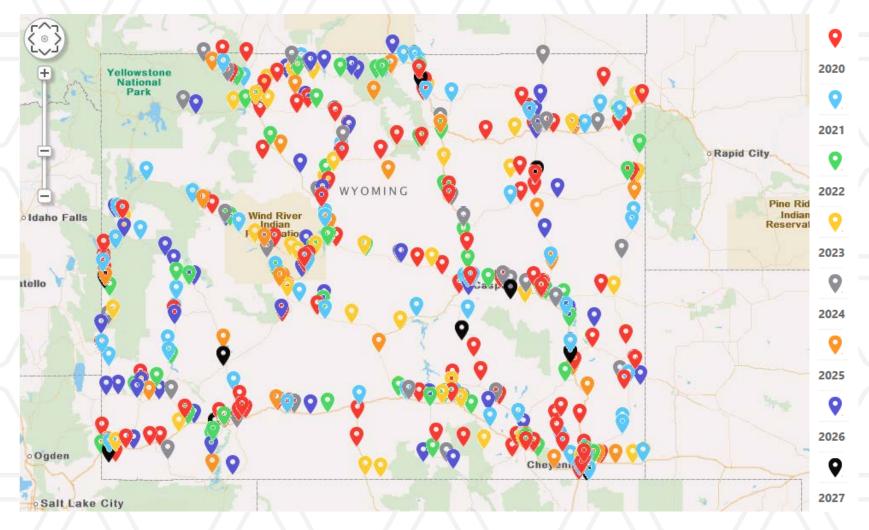
STIP Process Overview

	April - May	June - August	September
STIP Inputs	Candidate Projects	Public Input –	Transportation Commission
		 Transportation Commission Aeronautics Commission PSC Commission Transportation Alternative Program (TAP) Citizens Public Agencies Transportation Agencies MPO's Tribal Governments Federal Agencies Bureau of Indian Affairs Local Governments 	 Approves STIP Federal Highway Administration (FHWA) concurs in approval Federal Transit Authority concurs in approval



STIP Project Map

www.wydotSTIPmeeting.com





Highway Project Process

Planning Phase

- STIP Development
- Reconnaissance
- Survey Phase
- Public Input

 Issuance of design plans

Design Phase

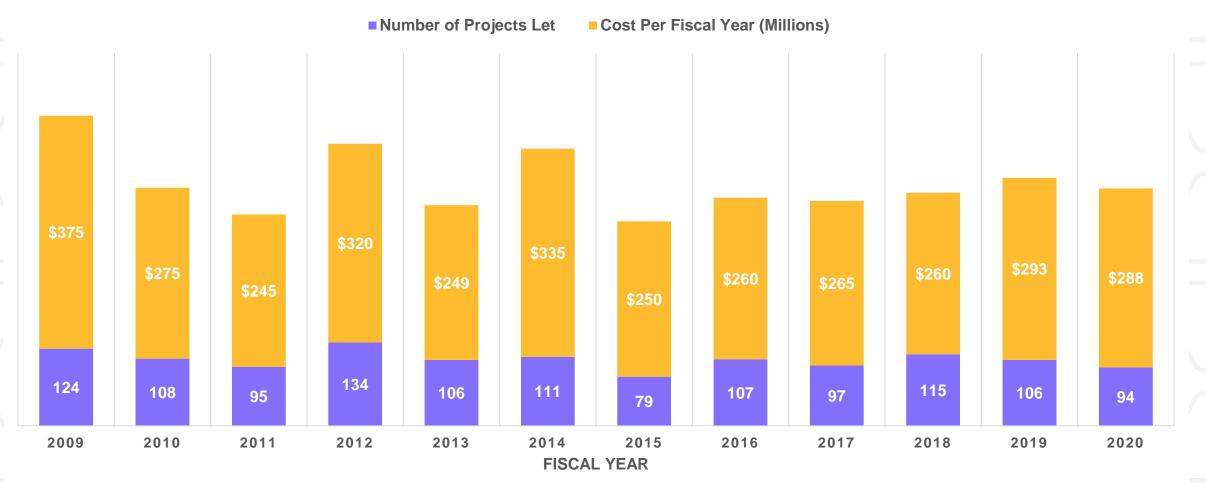
- Engineering Studies
- Final plans and specifications
- Public Meetings as appropriate

Contract Phase

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

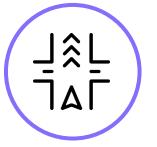


Number of Projects Let & Cost Per Fiscal Year

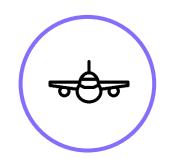




STIP - What is in the document?









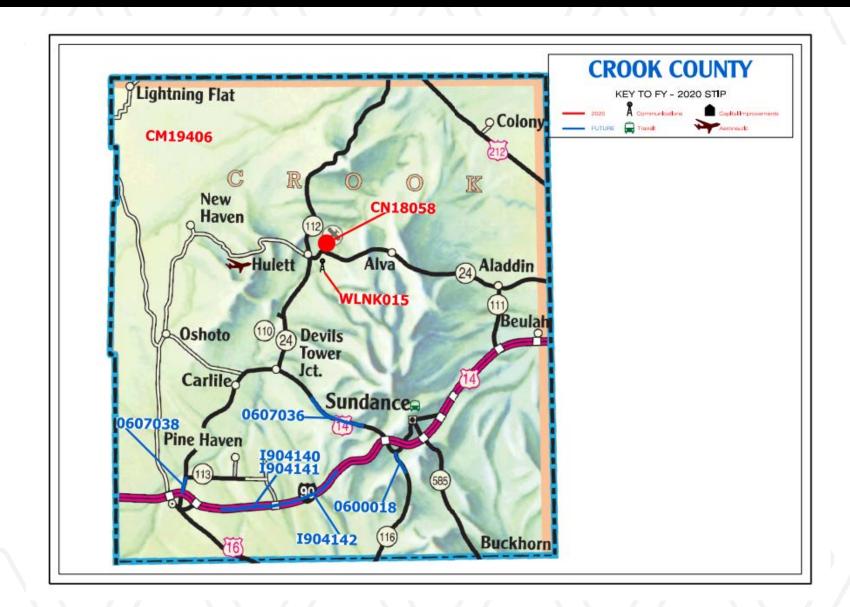
Transit Projects

Aeronautic Projects Public Safety Communications Commission (PSCC) Projects



Capital Construction Projects

What is in the document?





What is in the document?

2

Wyoming Department of Transportation 5300 Bishop Blvd Cheyenne, WY 82009

STATE TRANSPORTATION IMPROVEMENT PROJECTS ENGINEERING & CONSTRUCTION

Crook County

Trans	Transportation Projects							Fiscal Year: 202						Year: 2020		
Trans				Basia	Feed			Cost \$1,000								
Comm Dist	Pr	oject	Detail Location	General Location Begin Detail Location RM		Begin End RM RM Le		Length	Character of Work	PE	CE	CON	TOTAL	FED	ST	отн
4	см		CROOK COUNTY VARIOUS COUNTY ROADS LPA-CROOK COUNTY	0.00	2.00	2.00	ENVIRONMENTAL	0	0	239	239	191	0	48		
6	STP- BROS	CN18058	CROOK COUNTY COUNTY ROAD 18-33A NORTHEAST OF HULETT RIGHT OF WAY ESTIMATE \$42K	0.60	0.60	0.00	BRIDGE REPLACEMENT	193	77	774	1,044	945	18	81		
	FY TOTAL: 2.00							\$193	\$77	\$1,013	\$1,283	\$1,136	\$18	\$129		

Comm	Communications Projects												Fiscal	Year: 2020
Trans									Cost \$1,000					
Comm Dist	Pro	oject	General Location Detail Location	Begin RM	End RM	Length	Character of Work	PE	CE	CON	TOTAL	FED	ST	отн
6	STP	WLNK015	CROOK COUNTY * WEST OF THE TOWN OF ALVA NORTHERN CROOK COUNTY	0.00	0.00	0.00	SAFETY IMPROVEMENTS	0	0	1,000	1,000	905	95	0
FY TOTAL: 0.00							\$0	\$0	\$1,000	\$1,000	\$905	\$95	\$0	

Transi	it Projec	ts									Fiscal	Year: 2020)		
Trans						Cost \$1,000									
Comm Dist	Pr	oject	General Location Eligible Provider	Funding Source	Character of Work	PE	CE	CON	TOTAL	FED	ST	отн			
6	FTA FT20009 C		SUNDANCE CROOK COUNTY SENIOR SERVICES, INC.	STATE	OPERATING/ADMIN/MAINT	0	0	70	70	0	47	22			
				FY TOTAL:		\$0	\$0	\$70	\$70	\$0	\$47	\$22	-		

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WYCN002B



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
	2020	\$1,283,000	\$0	\$1,000,000	\$70,000	\$333,000	\$2,686,000
	2021	\$6,792,000	\$0	\$0	\$0	\$0	\$6,792,000
Crook	2022	\$4,423,000	\$0	\$0	\$0	\$0	\$4,423,000
Crook	2024	\$14,332,000	\$0	\$0	\$0	\$0	\$14,332,000
	2025	\$9,663,000	\$0	\$0	\$0	\$0	\$9,663,000
	Total	\$36,493,000	\$0	\$1,000,000	\$70,000	\$333,000	\$37,896,000



District 4 STIP 2020-2026

James Evensen, District Construction Engineer



CURRENT STIP Project Total 2021-2026: \$

\$78,199,955.00

Crook County

Project Number								
FY 2021	Route/ML	Project Location	From RM	To RM	Miles	Project Description	Pro	ject Estimate
607036	US 14	Devils Tower-Sundance	186.1	196.96	10.86	Mill and Overlay with Culvert Work	\$	4,969,227.00
1904140 + 1904141	I-90	Wind Creek Section EBL and WBL	160.3	168.5	16.4	Mill and Overlay with Bridge Work	\$	7,214,548.00
FY 2022	Route/ML	Project Location	From RM	To RM	Miles	Project Description	Pro	ject Estimate
NEW	I-90	Sundance Marganal Crack and Seat	185.75	195.1	18.7	Crack and Seat with Overlay	\$	22,692,455.00
600018	WYO 116	Cundy Creek Section	0	5.63	5.63	Mill and Overlay	\$	2,148,648.00
FY 2023	Route/ML	Project Location	From RM	To RM	Miles	Project Description	Pro	ject Estimate
1904145	I-90	Sundance -SD State Line Crack and Seat	201.51	207.14	11.26	Crack and Seat with Overlay	\$	14,347,214.00
FY 2024	Route/ML	Project Location	From RM	To RM	Miles	Project Description	Pro	ject Estimate
1904142	I-90	Inyan Kara Section EBL and WBL	168.5	177	17	Mill and Overlay	\$	13,313,246.00
FY 2025	Route/ML	Project Location	From RM	To RM	Miles	Project Description	Pro	ject Estimate
607038	US 14	Moorcroft North Section	154.63	160.35	5.72	Mill and Overlay with ADA	\$	9,658,714.00
FY 2026	Route/ML	Project Location	From RM	To RM	Miles	Project Description	Pro	ject Estimate
NEW	I-90	Inyan Kara Variable	171	188		Variable Speed Limits	\$	945,000.00
NEW	WYO 116	Upton - Sundance	16.6	22.5	5.9	Mill and Overlay	\$	2,910,903.00
				•	•		\$	78,199,955.00



Bridge Rehabilitation

Total Estimated Cost: \$38,180,000.00

53 bridges are scheduled to be rehabilitated over the next six years throughout District 4.



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	Project Location	# of Structures	Pro	oject Estimate
2021				
B214003	Various Locations	9	\$	5,475,000.00
2022				
B224002	Various Locations	8	\$	4,850,000.00
2023		\times / /		
B234002	Various Locations	4	\$	6,255,000.00
2024				
B244004	Various Locations	21	\$	8,350,000.00
2025				
B254004	Various Locations	20	\$	8,230,000.00
2026		$\neg \land \Box$		
NEW	Various Locations	11	\$	5,020,000.00
			\$	38,180,000.00



US 14/WYO 24 Junction

10.86 Mile Mill & Overlay MM 186 - 196 Est. Cost \$4.96M







I-90 Moorcroft Wind Creek Section East and Westbound Lanes

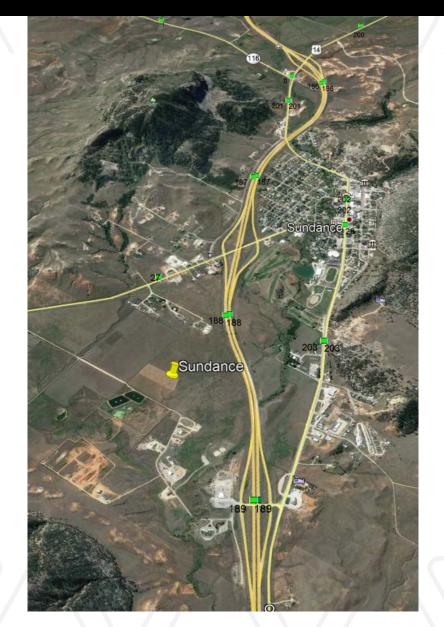
16.4 Mile Mill and Overlay with Bridge Work MM 160 – 168.5 Est. Cost: \$7.2M





2022 I-90 Sundance Marginal East and Westbound Lanes

18.7 Mile Crack and Seat with Overlay MM 185.75 -195.1 Est. Cost: \$22.7M





WYO 116 – Cundy Creek

5.63 Mile Mill and Overlay MM 0.00 – 5.63 Est. Cost: \$2.1M





I-90 Sundance to State Line

11.26 Mile Crack and Seat with Overlay MM 201.51 – 207.14 Est. Cost: \$14.4M





I-90 Inyan Kara East and Westbound Lanes

17 Mile Mill and Overlay MP 168.5 – 177.0 Est. Cost: \$13.3M





US 14 Moorcroft North to Pine Haven

5.72 Mile Mill & Overlay with ADA MM 154 to 160 Est. Cost: \$9.7

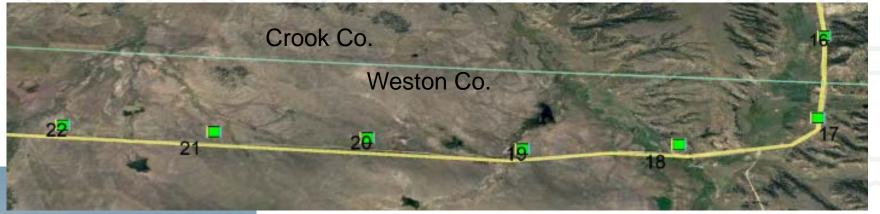






WYO 116 Upton to Sundance

5.9 Mile Mill and Overlay MM 16.6 – 22.5 Est. Cost: \$2.9M







Partnerships





Funding Opportunities Construction Partnerships

Supply Purchases

Wyoming's Transportation System

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Partnerships – Local Opportunities

Bridge Replacement Off System (BROS) \$3.14M / yr 10% Local match Funding accounted for through 2027

Context Sensitive Amenities (CSA)

Up to 3% of project costs New requirement is a 10% Local match

Enhancements

\$2.0M / yr Local match 10%

Wyoming's Transportation System



Partnerships – Local Opportunities

Transportation Alternatives Program (TAP) \$2.5M / yr Local match 20%

Congestion Mitigation Air Quality (CMAQ) \$2.0M / yr Local match 20%

Commission Road Improvement Program (CRIP) \$5.0M / yr Local match of 15%

Wyoming's Transportation System



Partnerships – Local Opportunities

High Risk Rural Road Program (HRRR) \$400k / yr 10% Local match

Federal Lands Access Program (FLAP)

Application period will open in late July 10% Local match

Public Transportation

SLIB Capital Construction Loan Program

Local Government Programs

Program	Savings/Year	Description	Source	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, honor 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) - WYDOT pays match	Continue program, honor existing agreements; however, require local governments to provide the 10% match. Program will be evaluated periodically.



Local Government Programs

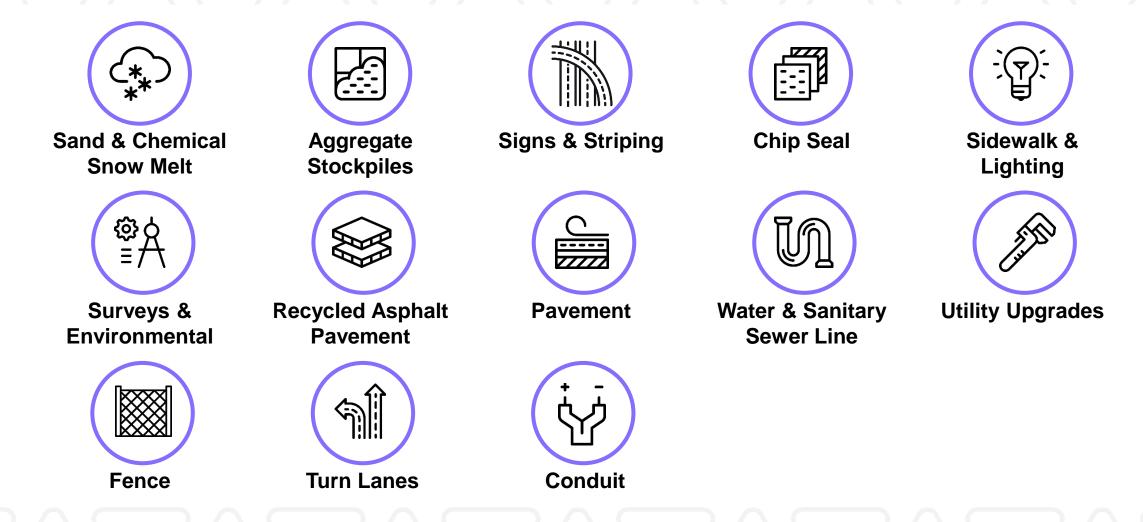
Program	Savings/Year	Description	Source	Proposed Course of Action
Commission Road Improvement Program (CRIP)	\$5,000,000	A program created by the Wyoming Transportation Commission to address unique rural major collector road situations. Stated purpose is the possibility of taking a state highway onto 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.

Local Government Programs

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.	Federal (90/10)	Continue program, honor existing agreements, however, will evaluate program periodically for continuation.
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.



Partnerships – Construction





Partnerships – Supply Purchases



Bulk Sodium Chloride



Drug & Alcohol Testing Services





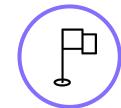
Crack Sealing Material



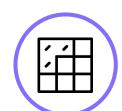
Solid & Liquid Anti-Icers



Paint Beads



Survey Stakes



Reflective Sheeting



Road Salt



Duty Jackets



Fabricated Steel



Vehicles



Work Wear



Road Oil

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<u> </u>	

Fuel (Gasoline & Diesel)



11111



Equipment



How can we work together?







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?

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Road and highway funding

Wyoming's Transportation System

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Local Government Coordination

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Bob Bonds, Federal Highway Administration - Area Engineer

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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 www.wydotSTIPmeeting.com

WYOMING'S TRANSPORTATION SYSTEM

Supporting the economy and connecting our communities.

STATE TRANSPORTATION IMPROVEMENT PROGRAM 2021-2026

Scott Taylor Scott Taylor@wyo.gov

307-674-2300