

WYOMING'S TRANSPORTATION SYSTEM

Supporting the economy and connecting our communities.

STATE TRANSPORTATION IMPROVEMENT PROGRAM 2024-2029

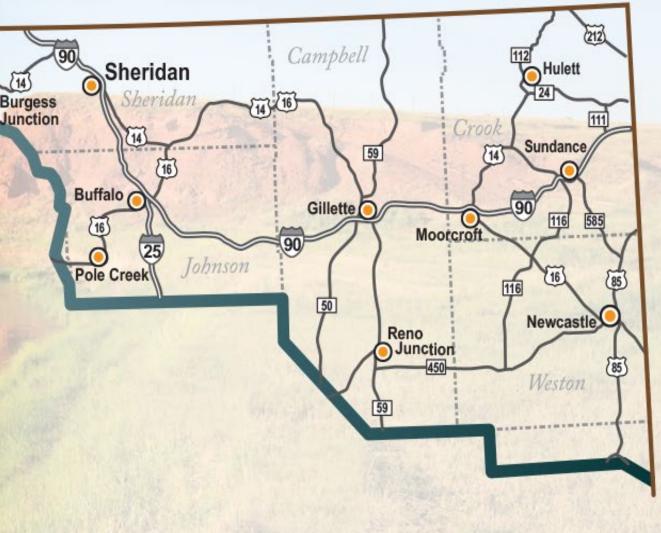
Scott Taylor

Scott.taylor@wyo.gov

307-674-2300

MADOT DISHIGT 4







Road Map



WYDOT Overview



STIP Development and Overview



District Projects



Next Steps

WYDOT LEADERSHIP

Transportation Commission





Mark Hughes Weston and Crook Counties



Darin Westby Interim Director



Mark Gillette Chief Engineer

> Scott Taylor, PE District Engineer

Administrative Staff



Larry Konetzki District Maintenance Engineer



Isaac Finkle District Construction Engineer



Michelle Edwards District Traffic Engineer



Tim Winslow Equipment Supervisor



Laura Dalles Public Relations Specialist



Erik Brannigan Safety Officer



Jenny Sullivan District Human Resources



Captain Ben Schlosser WHP

Johnson County





Stephan Charles Resident Engineer

Dustin Hockett Area Maintenance Supervisor



Andy Reimers Maintenance Foreman Buffalo



Chuck Thompson Maintenance Foreman Pole Creek



Shawn Schoolcraft Shop Supervisor



Lieutenant Erik Jorgensen WHP

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)



WYDOT Assets

It's PEOPLE Largest Agency in the State employs 2047 people

Currently there are 1734 WYDOT employees statewide ~ 313 vacancies Statewide



District 4 employs 170 people ~40 vacancies Mechanics Maintainers Resident Engineers Stripers







• Highways ~6,700 Miles of Roads and 2000 Bridges

District	1	2	3	4	5	Total	
Interstate	247	241	187	237	0	912	
US Hwys	209	388	550	394	690	2231	
State Hwys	403	379	188	279	271	1520	
Frontage/Other	272	589	466	341	400	2068	
Total (Miles)	1131	1597	1391	1251	l 136 [°]	1 6731	
District	1	2	3	4	5	Total	
On-system	367	469	349	515	261	1961	
Off-system	139	195	149	161	200	844	
Total (Bridges)	506	664	498	676	461	2805	

WYDOT Assets





Wyoming Transportation Fact Book -

https://www.dot.state.wy.us/home/administration/strategic_performance/fact_book.html

Cost Escalation

Bid items changes we are seeing from 1 to 2 years ago. Increases in federal funding not covering inflation.

Material	Previous Price	Todays Price
Hot Plant Mix	\$36-45/ton	\$65-75/ton
Binder	\$450 - \$600/ton	\$900-1000/ton *As high as \$1500/ton
Mobilization	7-9%	9-12%
Traffic control	3-5% (structures 6-8%	6-10% (structures 12%)
Milling	\$0.75-\$1.00	\$1.20 - \$3/SY
Chip seal	\$0.75 - \$1.00/SY	\$1.50 - \$2.00/SY
Fencing	\$2 - \$3/ft.	\$3.5 – \$5/ft.
Reinforced concrete approach slabs	\$200 -\$300/SY	\$375-\$500/SY
Box beam guardrail	\$45/ft.	\$80/ft.
Structure steel	\$2-\$3/lb.	\$4-\$5/Ib.



• Past, Present and Future Projects

FY	STIP Amount	Projects let to Contract	\$ Let to Contract
2022	\$336.2M	103	\$368.2M
2023	\$350.2M	Planned = 99 Anticipated = 84	Anticipated = \$372.2M
2024	~\$320M	Planned = 97	

- Delayed approximately \$70M in FY23 to FY24
- Based on current prices, had to either move projects back or reduce scope to account for approximate \$100M over budget in FY24



Infrastructure Investment & Jobs Act (IIJA)

	Total Anticipated Formula Funding for Wyoming*							
FY	Surface Transportation**	Bridges (BFP)	Electric Vehicles (EV)	Aeronautics	Total Federal			
2022	\$341,695,183	\$45,000,000	\$3,963,841	\$50,000,000	\$440,659,024			
2023	\$349,679,812	\$45,000,000	\$5,704,011	\$50,000,000	\$450,383,823			
2024	\$355,407,542	\$45,000,000	\$5,704,011	\$50,000,000	\$456,111,553			
2025	\$362,470,085	\$45,000,000	\$5,704,011	\$50,000,000	\$463,174,096			
2026	\$369,673,879	\$45,000,000	\$5,704,152	\$50,000,000	\$470,378,031			
Total	\$1,778,926,501	\$225,000,000	\$26,780,026	\$250,000,000	\$2,280,706,52 ⁻			

* State and/or local match required in most instances **Construction only not Operations

- Generally, **\$100M additional funding per year / requires matching funds**
- Congress must still appropriate funding for most core programs on a yearly basis
- Discretionary Grants competitive grants creating new and increasing existing funding opportunities requires matching funds which we likely will not have available
- Once federal funds start to become available, the agency will use its Guiding Principles to determine the best use of funds to achieve the maximum benefit to Wyoming

Federal vs State Funding

- National Average 70% State / 30% federal
- Wyoming 29% State / 71% Federal



Bridge Formula Program (BFP) - Local Projects

2022 Infrastructure Investment and Jobs Act (Bipartisan Infrastructure Law) dedicated funding for bridges

- Replace or rehabilitate bridges in poor condition
- \$45 million/year for 5 years (\$225 million)
- Minimum 15% (\$6.75 million/year) to off-system bridges. 100% federal funds on qualifying bridges
- Planned to address 44 bridges in poor condition
 - Estimated construction costs \$76 million
 - Equates to approximately 45% of funding going to off-system bridges
 - Targets largest and most expensive bridges
 - Allow agency to substitute other <u>poor</u> bridges for replacement in lieu of selected structure
- Have confirmed 32 bridges in the program several others being looked at
- Selected two consultants (HDR & Jacobs) to perform project management and preliminary engineering activities
- Projects will start to be let in FY25, with last projects going out in FY29
- Seeing large increase in unit bridge costs
 - Average has gone from \$175/sf to \$400/SF
 - Will continue to fund the off-system bridges currently in the program





Bridge Formula Program (BFP) - Local Projects

District	County / Town	Feature Intersected	Str №	Project Number	Work	Project FY
4	Campbell Co.	N Fork Dead Horse Creek	DVX	CN17055	Replace	2029
4	Crook Co.	Donkey Creek	DWL	CN18065	Replace	2026
4	Sheridan	Little Goose Creek	EAY	2550501	Replace	2025
4	Sheridan Co.	BNRR	ECY	CN03048	Replace	2026
4	Weston Co.	Unnamed Draw	DYL	CN21014	Replace	2027
4	Weston Co.	Beaver Creek	DYK	CN21015	Replace	2027

EV Charging Stations



- NEVI National Electric Vehicle Infrastructure Program
 - Purpose of the program: The electric vehicle infrastructure funding will help EV drivers to have regular access to charging stations. Includes:

 - Acquisition and installation of EV charging infrastructure and traffic control devices and signs. Operation and maintenance of EV charging infrastructure for up to five years. Data sharing requirements about EV infrastructure to ensure long-term success of equipment installed under the formula program.
 - Requirements:
 - 50 mile minimum distance between charging stations

 - Charging stations placed a minimum of 1 mile from alternative fuel corridor (I-80, I-25, I-90) Minimum of four Direct Current Fast Chargers (DCFC) and 150kW and higher charging capacity in each location ٠
 - Funding is up to 80% federal / 20% matching
 Once FHWA has approved full build out on the interstates, can look at using remaining NEVI funds on other routes
 - Working on updated NEVI plan Due August 1
- WYDOT NEVI Plan overview
 - No state funds will be used to build or operate stations, the matching funds will be either private or from a local jurisdiction
 - WYDOT has hired a consultant (HDR) to provide technical matter expertise necessary to design, complete, build, monitor, and operate the stations over the NEVI appropriation life cycle With the assistance of the NEVI consultant, WYDOT will issue a series of Requests for Information (RFI) and/or •
 - ٠ Requests for Proposal (RFP) to bid out construction, maintenance, and operation of stations along alternative fuel corridors.
 - Continue to work on RFI/RFP for charging stations on the alternate fuel corridors No set timeline to have out
 - Waiting to see how other states are approaching the use of the NEVI funds
 Want to minimize risk to department and state on the acquisition and operation of charging stations
 A copy of the plan and approval letter from FHWA can be found our or website at: https://www.dot.state.wy.us/home/planning_projects/zero-emission-vehicles/national-electric-vehicle-infrastructure-(nevi)-program.html

Grant Opportunities

Transportation Grant opportunities

(https://www.dot.state.wy.us/home/business_with_wydot/grants.html)

Contains information on grants that can be applied for by local governments

- Competitive federal grants
 - Includes guidance documentation
- Zero emission vehicles
- Highway safety behavioral
- Aeronautics
- Local government transportation programs





Headquarters

- Director's Office
- Chief Engineer
- Asst. Chief Engineers
- Administrators

Supporting programs

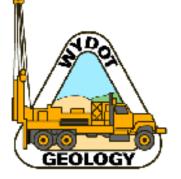
- Financial services (budget, fuel tax admin, grants/contracts, procurement)
- Human Resources
- Employee Safety
- Public Affairs
- Planning
- Transit
- Local Government Programs



Engineering and Planning

- BridgeContracts & Estimates
- •Geology
- •Highway Development
 - •Engineering Services
 - Project Development
 - •Photogrammetry & Survey
- Other Programs
- Environmental Services
- Materials and pavement testing
- Field Operations
- Local agencies
- Budget
- Local Government Programs
- Program Development





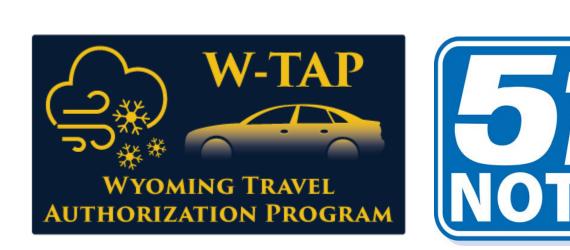


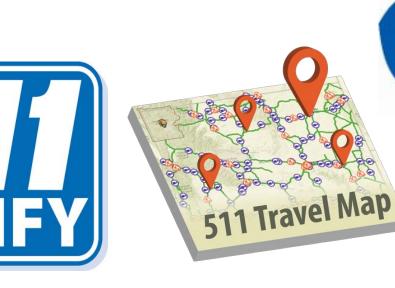


Emergency Communications

- WyoLink
- 24-hour Transportation Management Center (TMC)
- Road Condition Website WYO511 WYOROAD.INFO









- Highway Patrol
 - Troopers
 - Ports of Entry
 - Dispatch
 - Executive protection

WHP STATISTICS: SUBSTANCES SIEZED

Marijuana: 10,254 pounds Marijuana Edibles: 159 pounds THC Oil: 49 pounds THC Wax: 113 pounds Methamphetamine: 660 pounds Heroin: 5 pounds Cocaine: 118 pounds Fentanyl: 8 pounds Illegal Prescriptions: 3 pounds Significant amounts of Hashish, LSD, MDMA/Ecstasy, Psilocybin Mushrooms, Anabolic Steriods, and Spice

Dispatch received

- 193,175 calls
 - 3,314 REDDI calls
 - 1,336 Safe2Tell tips



Patrol contacted

- 770,590 commercial vehicles,
- weighed 372,703 commercial vehicles/found 38,942 overweight vehicles.
- Issued 204,411 oversize/overweight permits generating over \$9.9M in fees.

Responded to 4,527 crashesArrested 572 impaired drivers

WHP STATISTICS: CITATIONS ISSUED 104,615 Vehicles Stopped 25,265 Speeding Citations 1,260 Driving w/Suspended License Citations

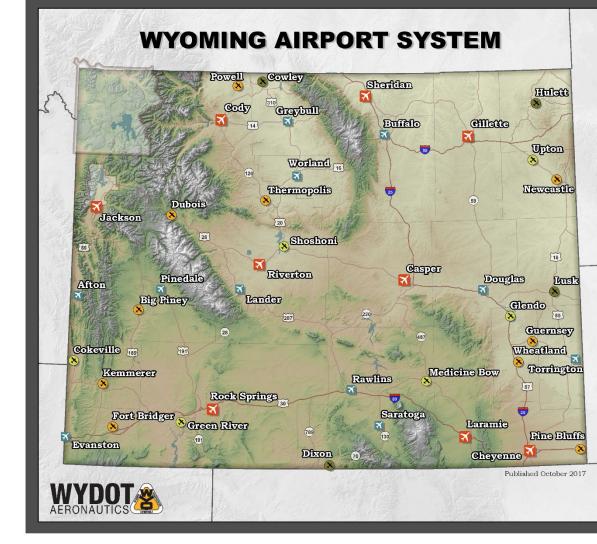
529 No Child Restraint Citations

2,433 No Seatbelt Citations

46,632 Traffic Violations/Faulty Equipment Warnings

Aeronautics

- Engineering & Construction
- Planning
- Air Service Development
- Unmanned Aerial Systems (UAS)



Commercial Service Airports

Community	ID	Airport
Casper	CPR	Casper/Natrona County International Airport
Cheyenne	CYS	Cheyenne Regional Airport/Jerry Olson Field
Cody	COD.	Yellowstone Regional Airport
Gillette	GCC .	Northeast Wyoming Regional Airport
Jackson	JAC	Jackson Hole Airport
Laramie	LAR	Laramie Regional Airport
Riverton	RIW	Central Wyoming Regional Airport
Rock Springs	RKS	Southwest Wyoming Regional Airport
Sheridan	SHR .	Sheridan County Airport

M Business Airports

Community ID Airport

1	Afton	AFO	. Afton Municipal Airport
1	Buffalo	BYG	. Johnson County Airport
1	Douglas	DGW .	. Converse County Airport
	Evanston	EVW	. Evanston-Uinta County Burns Field
1	Greybull	GEY	. South Big Horn County Airport
J	Lander	LND	. Hunt Field
1	Pinedale	PNA	. Ralph Wenz Field
	Rawlins	RWL	. Rawlins Municipal Airport/Harvey Field
I	Saratoga	SAA	. Shively Field
2	Torrington	TOR	. Torrington Municipal Airport
1	Worland	WRL	. Worland Municipal Airport

NIntermediate Airports

Community	ID	Airport
Big Piney	BPI	Miley Memorial Field
Dubois	DUB	Dubois Municipal Airport
Fort Bridger	FBR	Fort Bridger Airport
Guernsey	GUR	Camp Guernsey
Kemmerer	EMM	Kemmerer Municipal Airport
Newcastle	ECS	Mondell Field
Pine Bluffs	82V	Pine Bluffs Municipal Airport
Powell	POY	Powell Municipal Airport
Thermopolis	HSG	Hot Springs County Airport
Wheatland	EAN	Phifer Airfield

Ӿ Local Airports

Paved Community ID Airport

Non-Paved



- Driver's License, State ID's
- Commercial Drivers License (CDL)
- Compliance & Investigation (motor vehicles and vehicle dealers)
- Motor Vehicles (titles, registration, license plates)
- Suspensions/Ignition Interlock
- Organ Donor
- Senior Priority Hours
- On-line exam scheduling



Wyoming driver license that will be phased out. Gold star indicates REAL ID compliant.

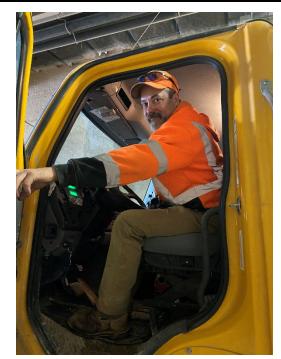


New Wyoming driver license WYDOT is issuing. Black outlined star indicates REAL ID compliant.

District Operation

Administration

- District Engineer
 - Oversees
 - Staff Engineers
 - Public Relations
 - Safety
 - Daily operations
 - Human Resources











Maintenance

Larry Konetzki, District Maintenance Engineer

Responsible for keeping infrastructure operational and safe

- Snow removal
- •Pavement maintenance
- •Fencing
- Vegetation control
- •Disaster relief
- •Rest Areas
- •Permits
- Facilities
- •...and so much more

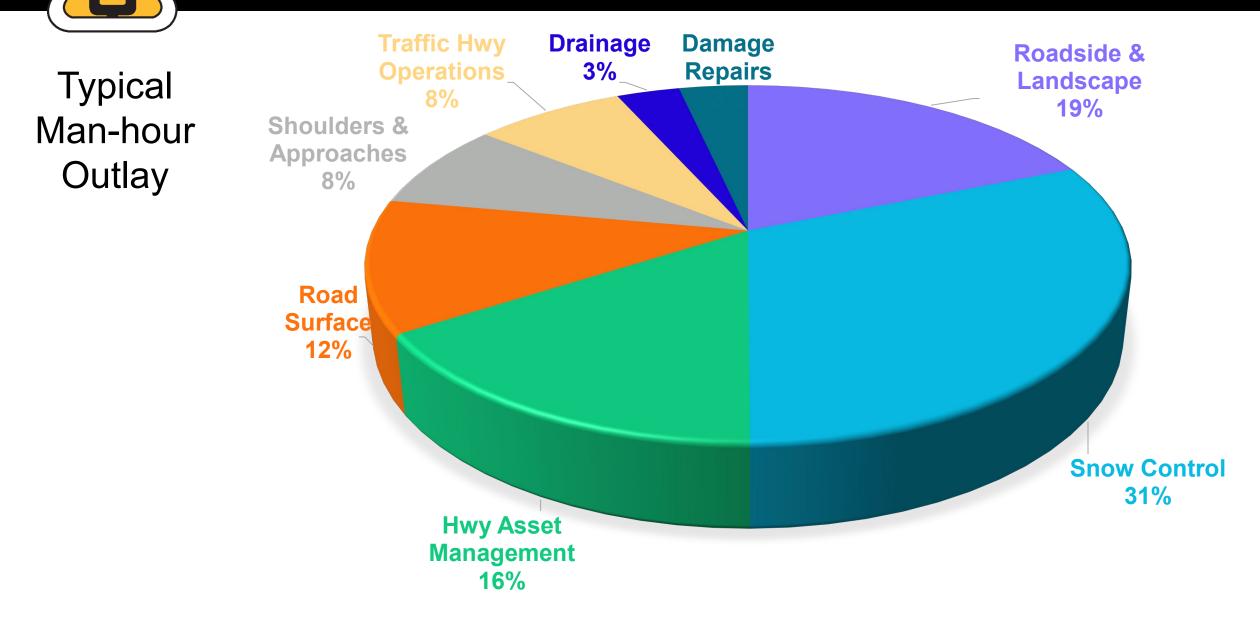








Maintenance







Michelle Edwards, District Traffic Engineer

Responsible for the maintenance and operation of all traffic safety devices

- Striping
- Reference Markers
- Traffic Signals
- Signs
- Access Permits
- Safety and Traffic Studies
- Speed Limits
- High Mast Towers





Traffic by the Numbers

Traffic assets to maintain

- 11,000+ signs
- 145+ crosswalks
- 120+ stop bars
- 55 traffic signals
- 58 high mast light towers









Did you know...?

- WYDOT manages all accesses to our highway system.
- A WYDOT permit is required for:
 - A new access
 - Modification to an existing access (including fence or gate type)
 - Change in land use of an existing access
- Changing a speed limit takes more than just changing the sign!
 - State statute requires:
 - An engineering study
 - Approval of the State Traffic Engineer
 - Approval of the WYDOT Director



Striping Operations

Striping Fun Facts:

- Striping trucks can only travel at a maximum of 8-12 mph while striping
- All interstate lines and yellow centerlines on 2-lane roadways are re-painted each year
- 71,000 gallons of paint
- 536,000 pounds of glass reflective beads







Tim Winslow, District Equipment Supervisor

Keep fleet in working order

- 18 mechanics
 - Down 6

~780 items -- Plows, trucks, equipment, mowers, etc.

•Manage State fuel sites





Public Involvement

Laura Dalles, Sr. Public Relations Specialist

Educate and inform the public of WYDOT activities in the community

- Outreach
- Public Meetings
- Construction Project Updates
- Winter Weather Messaging
- Media Release
- Adopt-A-Highway
- Roadside Memorial Program
- District Newsletter
- Highway Safety Messaging









Construction

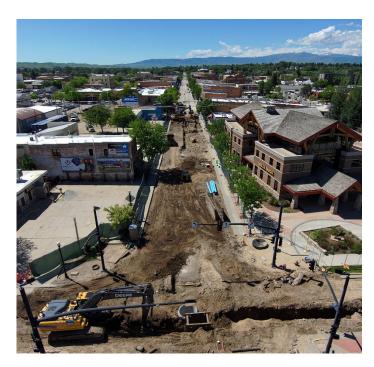
Isaac Finkle, District Construction Engineer

Oversees and leads highway construction projects

- •Resident Engineer
- •Engineer
- •Construction and Field Survey Specialist and Technicians
- •Finals Officer
- Survey Support







SHERIDAN COUNTY



STATE TRANSPORTATION IMPROVEMENT PROGRAM

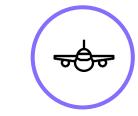




Single source of the Department's projects.











Highway Projects – 6 Year Plan

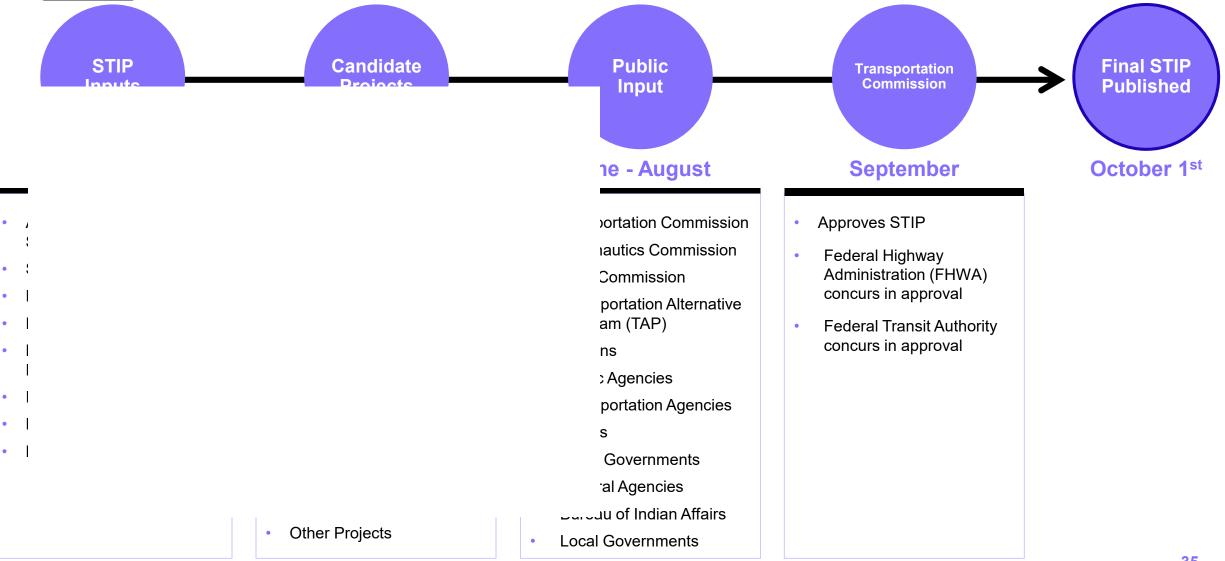
Transit Projects – 1 year plan

Aeronautic Projects – 5 year plan

Public Safety Communication s Commission (PSCC) Projects – 1 year plan

Capital Improvement Projects – 1 year plan

STIP Process Overview



Highway Project Process

Planning Phase

- STIP Development
- Reconnaissance
- Survey Phase
- Public Input

 Issuance of design plans

Design Phase

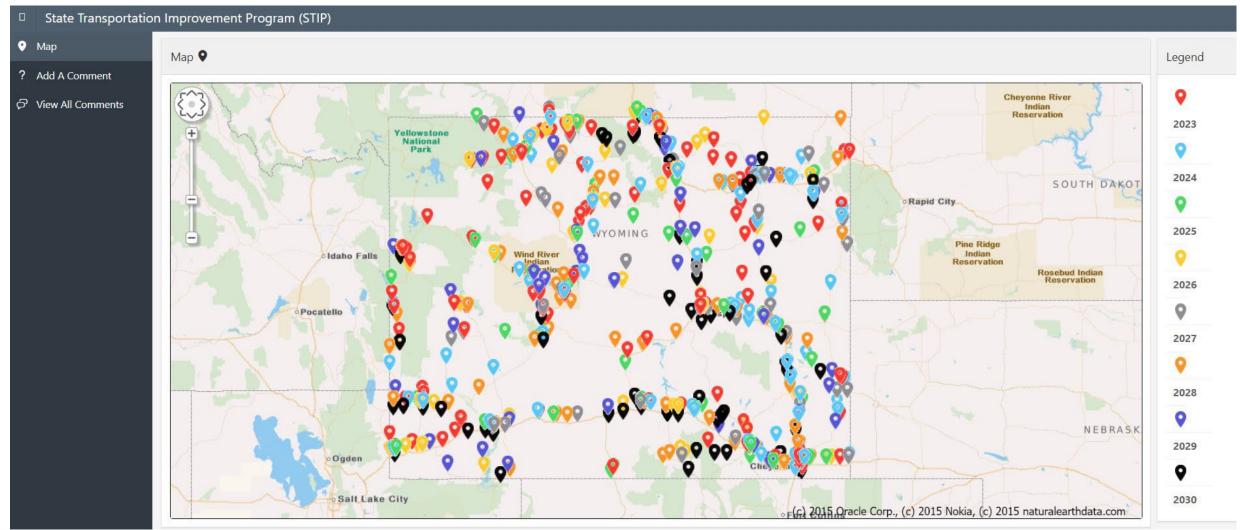
- Engineering Studies
- Final plans and specifications
- Public Meetings as appropriate

Contract Phase

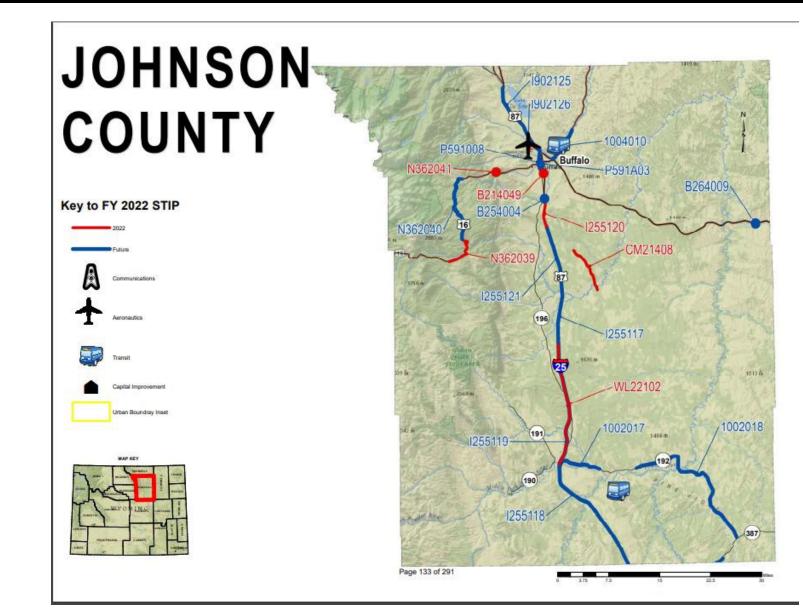
- Advertisement
- Public Bidding
- Award
- Construction
- Public Meetings as appropriate

ONLINE STIP Project Map

https://www.dot.state.wy.us/STIP



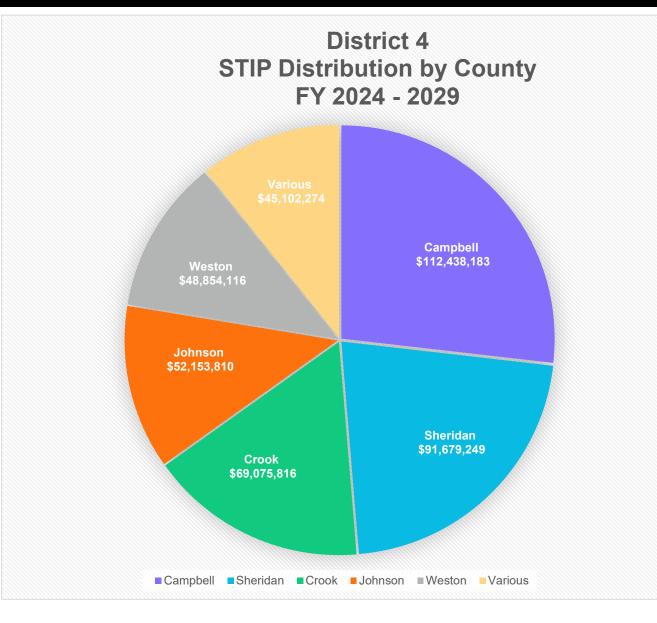
STIP - What is in the document?







STIP Distribution by County 2024-2029

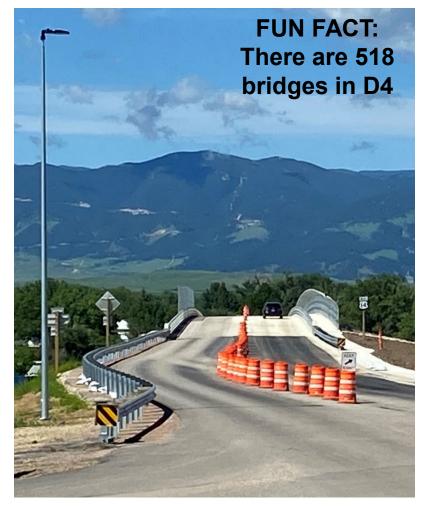




District Wide Bridge Rehabilitation

Total Estimated Cost: \$45,408,853

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



District 4 Bridge Projects - 2024-2029					
	Project Location	# of Structures	Project Estima	te	
2024	Rehabilitation	16	\$ 14,721,53	36	
2025	Replacement	1	\$ 6,306,30	00	
2026	Replacement	2	\$ 4,108,04	48	
2027	Rehabilitation	11	\$ 3,239,44	45	
2028	Rehabilitation	11	\$ 3,737,33	37	
2029	Replacement	5	\$ 10,516,18	87	
2023	Rehabilitation	10	\$ 2,780,00	00	
		56	\$ 45,408,8	53	



District Wide Contract Maintenance Projects

Contract Maintenance Projects include:

- Chip Seals
- Crack Seals
- Rumble Strips
- Culvert Lining
- Epoxy Striping
- Sign Upgrades





Total Estimated Cost: \$15,781,770

CONTRACT MAINTENANCE PROJECTS 2023-2029				
Year	Project Estimate			
2023	\$2,899,166			
2024	\$4,983,104			
2025	\$924,500			
2026	\$975,000			
2027	\$2,000,000			
2028	\$3,000,000			
2029	\$1,000,000			
Total	\$15,781,770			



JOHNSON COUNTY STIP PROJECTS SCHEDULED FOR 2024 – 2030



	JOHNSON COUNTY STIP PROJECTS - 2024 -2029							
Year	Highway	Location	Mile M	arker	Miles	Treatment		Current
							(Cost
2024	US16	Buffalo to Ucross	2.12	7.40	5.28	Mill and Overlay		\$ 3,527,640
	I25/I90/WYO196	Buffalo Main Street (County & City ARS)	298.02	301.34	3.32	REHAB (BMQ)		\$ 14,641,508
								\$ 18,169,148
2025								
	WY196	Buffalo South/WYO 196/ Culvert Extension	292.3			Culvert Extension		\$ 425,000
								\$ 425,000
					1			



		JOHNSON COUNT	<mark>/ STI</mark> F	P PRO	JECT	⁻ S – 2024-2029	
2026							
	US16	Buffalo-Tensleep/Buffalo West	68.96	80.09	11.13	Mill, Level and Overlay	\$ 8,514,080
	US16	Buff/Main&Fort Signal Replacment				Signal Replacement	\$ 650,000
							\$ 9,164,080
2027							
	190	Buffalo West EBL/WBL	50.75	56.40	11.30	Mill and Overlay	\$ 15,830,658
	190 (combined)	Structure Replacement BDB & BDC	55.02	55.02		Structure Replacement (BDB, BDC)	\$ 2,250,000
	190 (combined)	Structure Replacement BCX, BCY, BCZ, C	TS			Structure Replacement (BCX,BCY,BCZ,CTS)	\$ 4,128,000
							\$ 22,208,658



JOHNSON COUNTY STIP PROJECTS – 2024-2029

2028		No projects scheduled					
2029							
	125	Buffalo South Middle Fork Section (NBL &	279.79	289.63	19.68	Micro Surface	\$ 2,836,925
							\$ 2,836,925
						Six Year Total	\$ 52,378,811
Delayed							
	190	Buffalo West/ Shell Creek Interchange EB	45.14	50.75	11.22	Mill, Level and Overlay	\$18,196,312
							\$18,196,312

**District 2 Johnson County STIP has approximately \$31million in projects scheduled for FY 2024-2029

Next Steps



Contact WYDOT to learn about:

- What we do
- Funding
- Construction Projects
- Opportunities for partnerships

([

Visit on-line STIP page

https://www.dot.state.wy.us/STIP

See meeting schedules and presentations



Provide feedback

- On current and upcoming projects
- 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?

Headquarters Contacts

Mark Gillett, Chief Engineer (307) 777-4484 | <u>Mark.Gillett@wyo.gov</u>

Keith Fulton, *Assistant Chief Engineer – Engineering and Planning* (307) 777-4484 | <u>Keith.Fulton@wyo.gov</u>

Tom DeHoff, Assistant Chief Engineer – Operations (307) 777-4484 | <u>Tom.Dehoff@wyo.gov</u>

Sara B. Janes Ellis, *Local Government Coordinator* (307) 777-4438 | <u>Sara.Ellis@wyo.gov</u>

John Davis, *Management Services Manager – Grant information* (307) 777-4158 | <u>John.Davis@wyo.gov</u>



Supporting the economy and connecting our communities.

STATE TRANSPORTATION IMPROVEMENT PROGRAM 2024-2029

Scott Taylor

Scott.taylor@wyo.gov

307-674-2300