



WYOMING'S TRANSPORTATION SYSTEM

Supporting the economy and connecting our communities.

STATE TRANSPORTATION IMPROVEMENT PROGRAM 2023-2029

[Ralph Tarango](#)

Ralph.Tarango@wyo.gov

307-745-2100



People of WYDOT

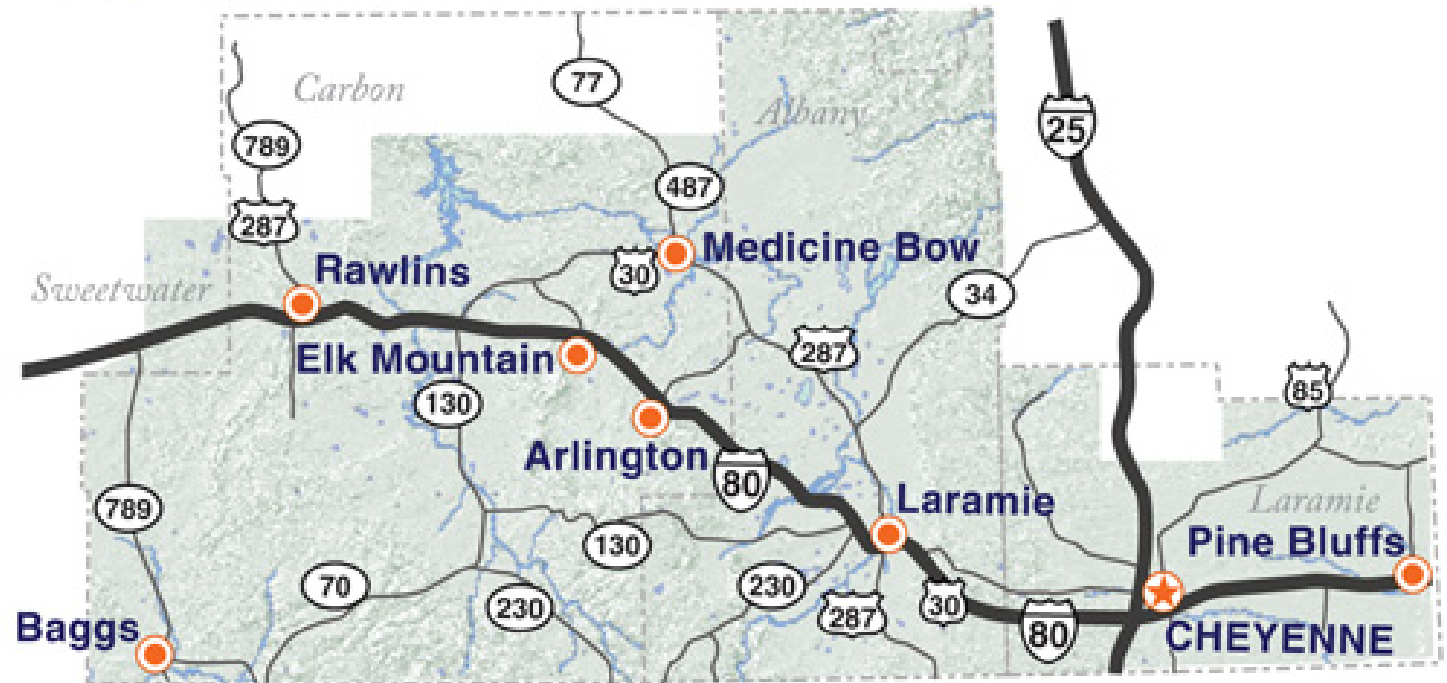


**Ralph
Tarango**
District
Engineer



Brandt Lyman
Transportation
Commissioner
(Albany, Carbon &
Sweetwater
Counties)

District 1





People of WYDOT

Darin Westby
Interim
Director



Mark Gillett
Chief
Engineer



Keith Fulton
Assistant
Chief Engineer
– Engineering
and Planning



Tom DeHoff
Assistant
Chief
Engineer -
Operations



Sara B. Janes Ellis
Local
Government
Coordinator



John Davis
Management
Services
Manager –
Grant
information





People of WYDOT

Tim Morton
District
Maintenance
Engineer



Ryan Shields
District
Construction
Engineer



Michael Simmons
Wyoming
Highway
Patrol
Captain



Jesse Burgess
District
Equipment
Supervisor



Taylor McCort
District Traffic
Engineer



Andrea Staley
Public
Relations
Specialist





People of WYDOT

Construction



Steve Cook
Resident
Engineer



Kory Cramer
Resident
Engineer

Maintenance



Eric Anderson
Area Maintenance Supervisor



Rich Barber
Foreman



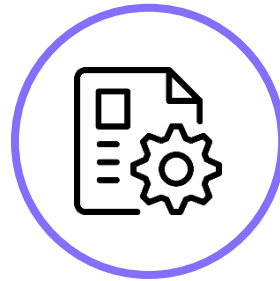
Al Branscom
Foreman



Purpose



**Need public
input**



**Need to know what
local agencies are
working on**



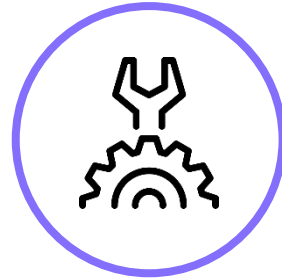
**Overview of WYDOT and
Proposed STIP**



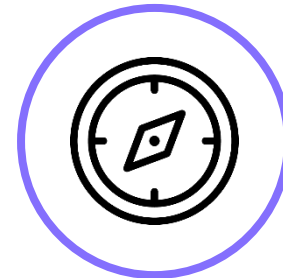
Road Map



**WYDOT
Overview**



**District
Projects**



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)





WYDOT Overview

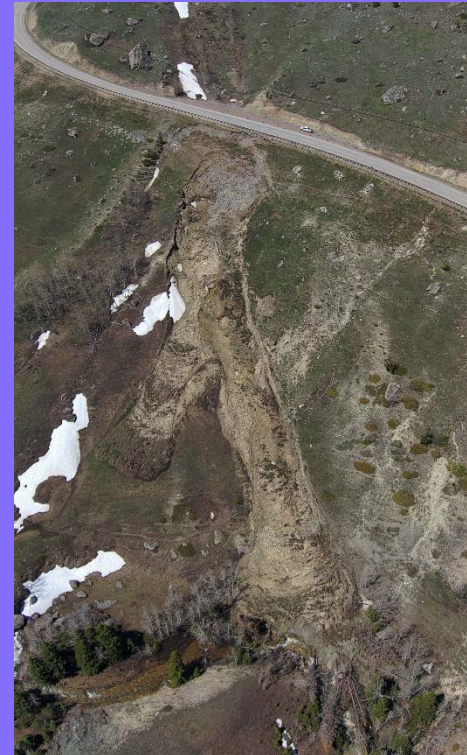
- Highways [~6,700 Miles of Roads and 2000 Bridges

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	1361	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

Wyoming Transportation Fact Book -

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





Cost Escalation

- 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



Cost Escalation

Bid item changes we are seeing from 1 to 2 years ago
Increases in federal funding not covering the cost of inflation

Material	Previous Price	Today's Price
Hot Plant Mix	\$36-45	\$65-75/ton
Binder	\$450-\$600/ton	\$900-\$1000/ton <i>*as high as \$1500/ton</i>
Mob	7-9%	9-12%
Traffic Control	3-5%(Structures 6-8%)	6-10% (Structures are 12%)
Milling	\$0.75-\$1	\$1.20 - \$3/SY
Chip Seal	\$0.75-\$1	\$1.5-\$2/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/lb



Infrastructure Investment & Jobs Act (IIJA)

Total Anticipated Formula Funding for Wyoming*				
FY	Surface Transportation**	Bridges (BFP)	Aeronautics	Total Federal
2022	\$341,695,183	\$45,000,000	\$50,000,000	\$436,695,183
2023	\$349,679,812	\$45,000,000	\$50,000,000	\$444,679,812
2024	\$355,407,542	\$45,000,000	\$50,000,000	\$450,407,542
2025	\$362,470,085	\$45,000,000	\$50,000,000	\$457,470,085
2026	\$369,673,879	\$45,000,000	\$50,000,000	\$464,673,879
Total	\$1,778,926,501	\$225,000,000	\$250,000,000	\$2,253,926,501

* **State and/or local match required in most instances**

****Construction only not Operations**

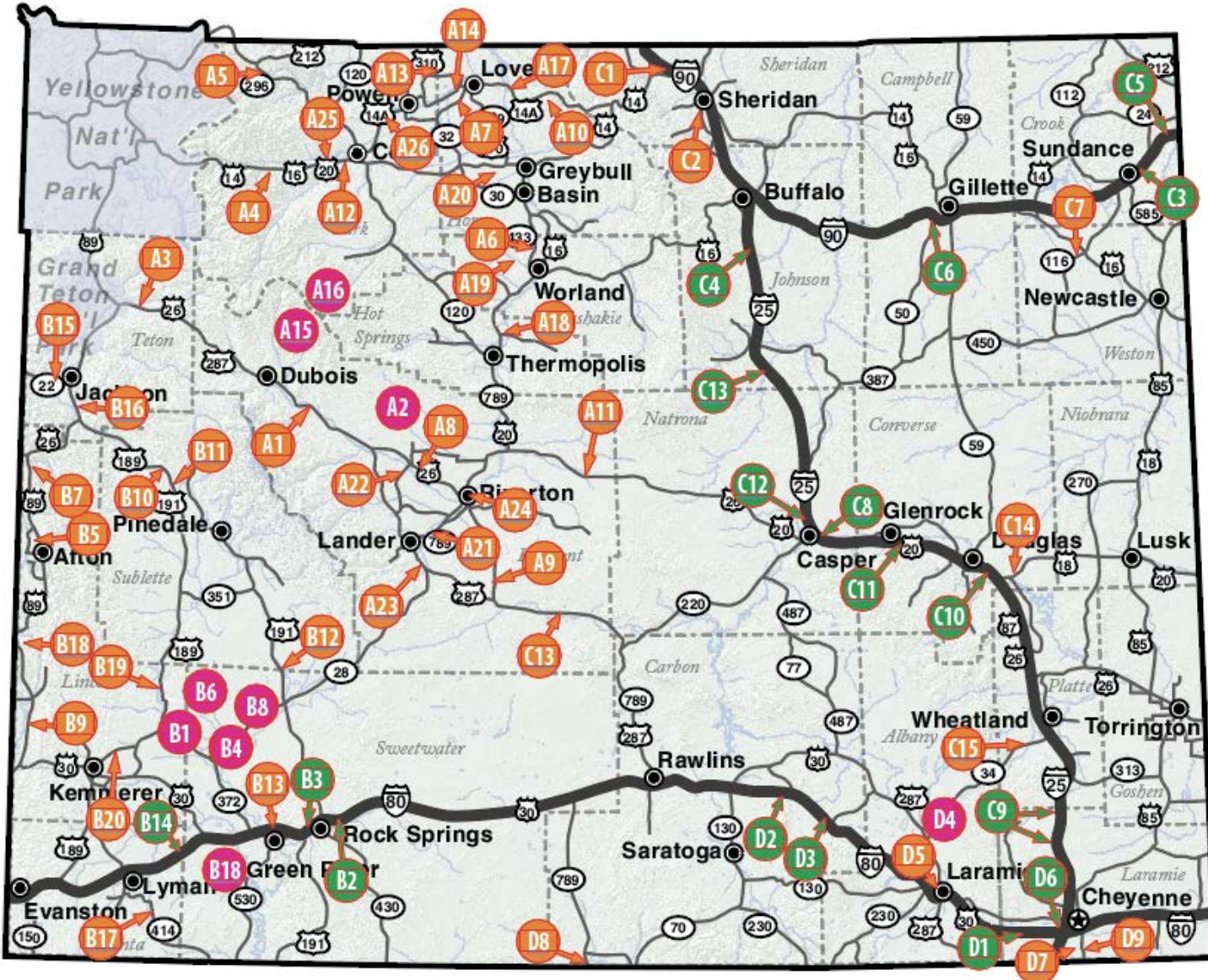
Federal vs State Funding

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

- 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

WYDOT UPDATE

Construction – Ongoing Projects



- Interstate projects
- Two-lane road projects – pilot car – paved surface detour
- Two-lane road projects – gravel or temporary surface detour
- District wide projects



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
- 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



Local Grants Awarded

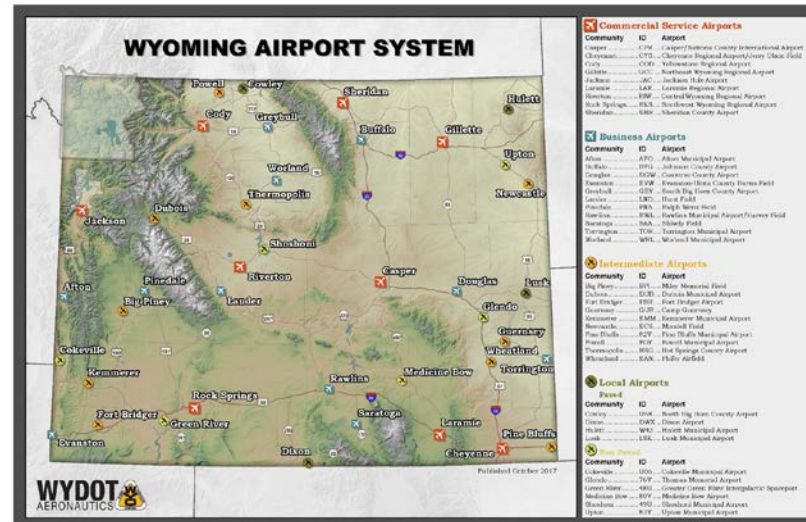
Year	Funding Type	Award Amount	Project Description
FY 2023	HRRR	\$22,700	Albany Co. Delineators
FY 2022	TAP	\$500,000	Laramie Spring Creek Trail
FY 2021	N/A		
FY 2020	N/A		
FY2019	N/A		

*Total TAP, SMAQ, HRRR funding in District 1 from FY 19-FY23 is \$3,422,200



Divisions and Programs

- Emergency Communications
- Highway Patrol
- Aeronautics
- Driver Services





Maintenance

Tim Morton, 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





Traffic

Taylor McCort, 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





Equipment

Jesse Burgess, District Equipment Supervisor

Keep fleet in working order

~800 items -- 80 Plow truck units, 25 loaders, various equipment, mowers, etc.

- Manage State fuel sites



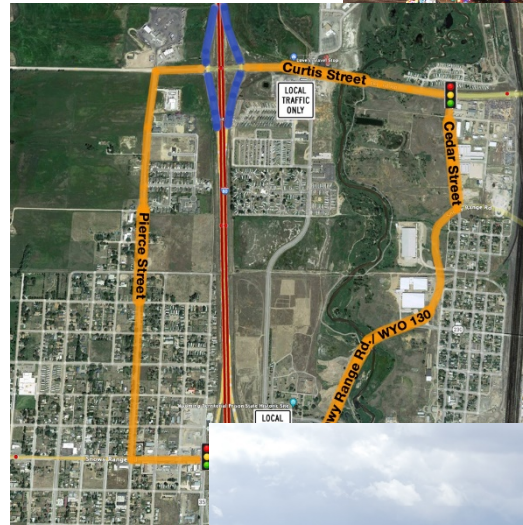


Public Involvement

Andrea Staley, 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
- Highway Safety Messaging
- Recruiting
- Address public concerns



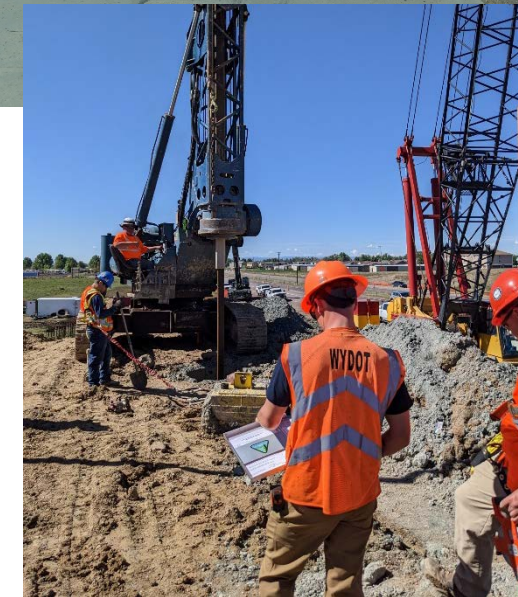


Construction

Ryan Shields, District Construction Engineer

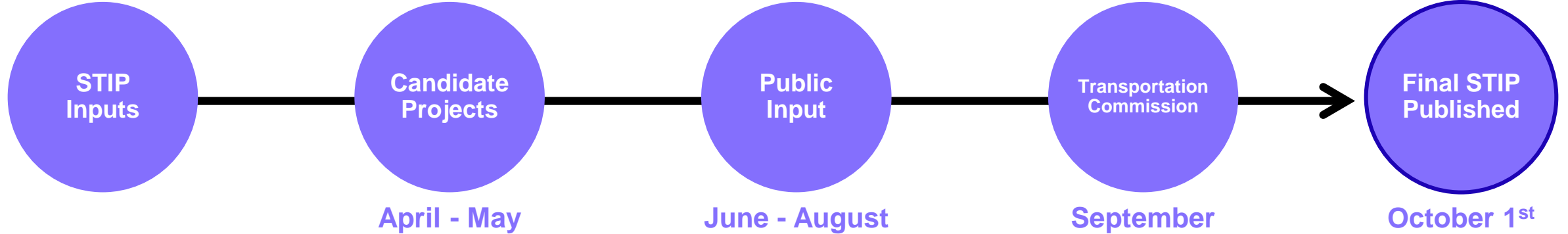
Oversees and Manages Highway Construction Projects

- Manages Contracts totaling ~\$60 Million per Year
- 6 Resident Engineer Offices
 - (Rawlins, Laramie, Cheyenne)
- Construction Engineers, Surveyors, and Technicians
- Finals Office
- Survey Support





STIP Process Overview



- Asset Management Systems
- Safety
- Performance Measures
- Economic Development
- Long Range Transportation Plan
- Freight Plan
- Mobility
- Budget

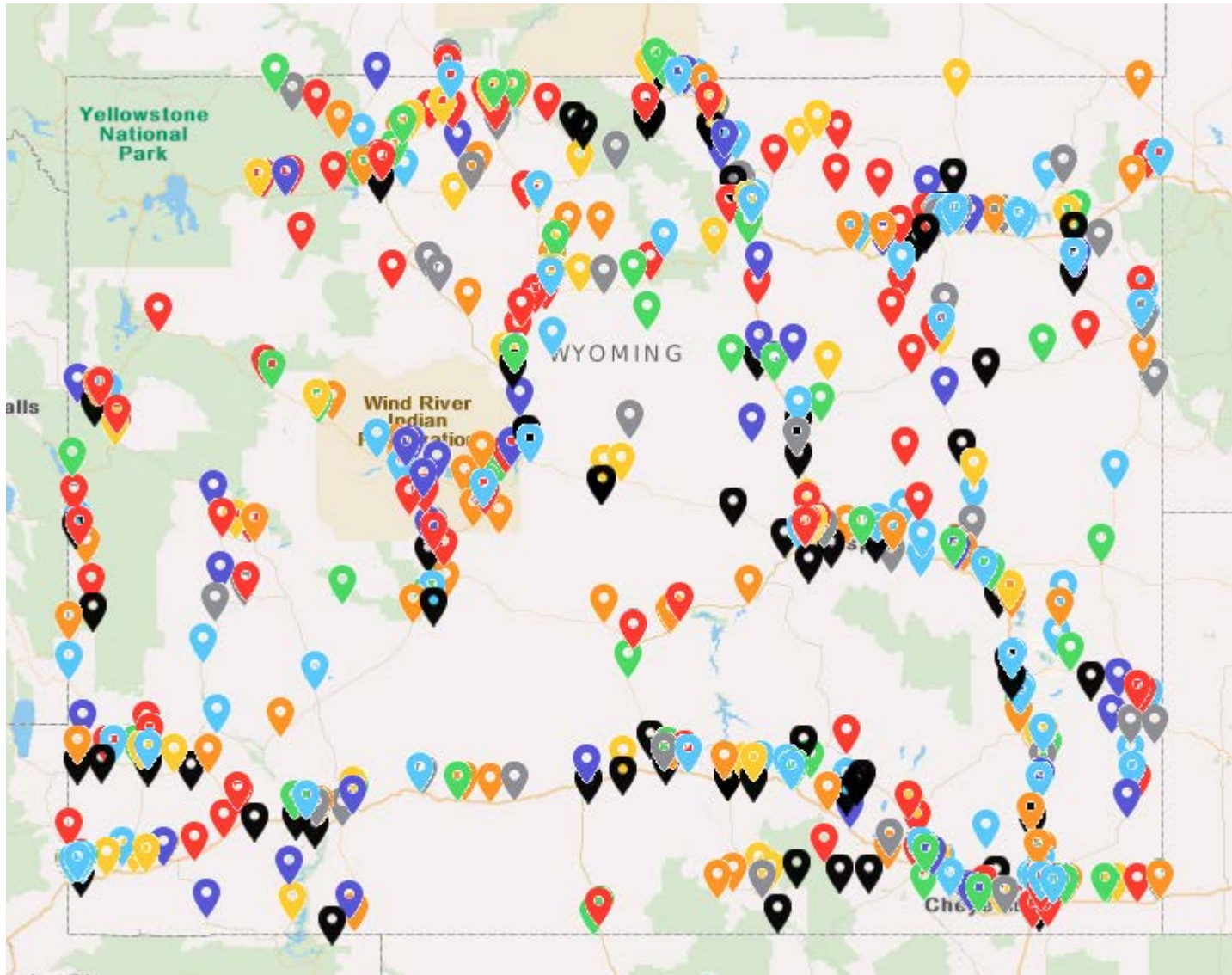
- Highway Projects
- Rail Projects
- Public Transit
- Indian Reservation Road Projects (IRR)
- Federal Lands Projects
- Enhancement Projects (TAP)
- MPO TIP Projects
- Aeronautics Projects
- Off-system Projects
- Capital Projects
- Other Projects

- 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



Legend

-  2023
-  2024
-  2025
-  2026
-  2027
-  2028
-  2029
-  2030

To view or add a comment,
go to:
<https://webapp.dot.state.wy.us/ao/f?p=951:1:14757550149257::>



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	Communications Projects	Transit Projects	Aeronautics Projects	Total
Albany	2023	\$25,196,000	\$0	\$5,033,000	\$1,150,000	\$31,379,000
	2024	\$17,284,000	\$0	\$0	\$5,789,000	\$23,073,000
	2025	\$22,186,000	\$0	\$0	\$747,000	\$22,933,000
	2026	\$17,168,000	\$0	\$0	\$3,610,000	\$20,778,000
	2027	\$21,031,000	\$0	\$0	\$316,000	\$21,347,000
	2028	\$3,510,000	\$0	\$0	\$0	\$3,510,000
	Total		\$106,375,000	\$0	\$5,033,000	\$11,612,000



District 1 STIP 2023-2029

Ryan Shields, District Construction Engineer



2023

Current projects



I-80 — Vedauwoo West – Continuation from 2022

2023

- **Mile markers 324-330.24**
- **Mill, overlay, seal coat, structure work**
- **Estimated cost: \$9.7 million**





WYO 34 — US 30 Junction East

2023

- **Mile markers 0-9.7**
- **Asphalt overlay, seal coat**
- **Estimated cost: \$5.2 million**





U.S. 30/287 — Laramie North

2023

- **Curtis St. north
(mile markers 317-327)**
- **Mill, asphalt overlay,
seal coat, chip seal**
- **Estimated cost: \$5.5
million**





I-80 — Curtis St. Interchange Bridge Replacement ²⁰²³

- **Mile marker 310**
- **Bridge replacement, interchange ramp work.**
- **Estimated cost: \$11.6 million**





WYO 130/230 (Snowy Range Road)

2023

- **WYO 130/230 intersection (mile marker 2.10)**
- **Safety Project: Lighting upgrade**
- **Estimated cost: \$75,000**





I-80 — Winter Freight BUILD Project

2023

- Continuation from previous years
- New Climbing Lanes at Cooper Cove (WB) and Halleck Ridge (EB)
- Truck Parking Areas at Quealy Dome and Fort Steele
- Federal BUILD Grant Project





District-wide Projects

2023

- **Work includes:**
 - Chip seal (\$1.8 Million)
 - Crack seal (\$1.6 million)
- **Various locations around district; locations chosen each year based on needs**





2024

Upcoming projects



Curtis Street (McCue to 3rd)

2024

- **Curtis Street between McCue St. & 3rd St.**
- **Mill & Overlay, Minor Bridge Repairs**
- **Estimated cost: \$2 Million**





High Mast Light Tower Replacements

2024

- **Replace 10 High Mast Light Towers in Albany County**
- **New Tower Design**
- **Estimated cost: \$650,000**





2025

Future projects



Laramie Streets — Bill Nye Ave. Phase II

2025

- **Boulder Dr. to Corthell Rd.**
- **City of Laramie Urban Systems Project**
- **New Roadway Construction, Utilities, & Drainage Work**
- **Estimated cost: \$12 million**





WY 230 – Snowy Range Road (West Laramie)

2025

- **I-80 to Gibbs Rd. (mile markers 1.39-2.58)**
- **Mill & Overlay, ADA Corner Upgrades**
- **Estimated cost: \$2.2 million**





Laramie Streets — U.S. 30/287 (Third Street)

2025

- **Curtis St. to Boswell Dr.**
- **Mill & Overlay**
- **ADA Upgrades & Intersection Improvements**
- **Traffic signal replacements**
- **Spring Creek bridge replacement**
- **Estimated cost: \$11 million**





Left Turn Lanes, US 287 & WY 130

2025

- **US 287 & Rawhide Rd. South of Laramie**
- **WY 130 & N. General Brees Rd. (Airport)**

- **Spot Safety Project: Add left turn lanes**

- **Estimated cost: \$800,000**





2026

Future projects



Laramie Streets – Grand Ave.

2026

- **30th Street – I-80 (mile marker 330.37-332.2)**
- **Mill & Overlay**
- **Estimated cost: \$4.5 million**





US 287 South — Huron St. to City Ranch Road

2026

- **Mile markers 402.4-404.5**
- **Safety Project: 5-lane section with Center Turn Lane**
- **Estimated cost: \$4.3 million**





US 30/287 — Bridge Replacement

2026

- **Mile marker 313.89**
- **Bridge Replacement**
- **Estimated cost: \$1.7 million**





2027

Future projects



I-80 — Laramie West Section (Westbound)

2027

- **I-80 West, Mile Markers 309.9-299.5)**
- **Mill & Overlay**
- **Estimated cost: \$12 million**





I-80 — Buford Interchange

2027

- **Buford interchange (mile marker 335.11)**
- **Bridge replacement**
- **Estimated cost: \$5 million**





2028

Future projects



I-80 – Telephone Canyon

2028

- **I-80 Telephone Canyon Section (Mile markers 319-324)**
- **Resurfacing – New Wearing Course**
- **Estimated cost: \$3.9 million**





WYO 130 — West of Laramie

2028

- **Mile markers 10-16.9**
- **Mill, asphalt overlay, chip seal**
- **Estimated cost: \$5.5 million**





2029

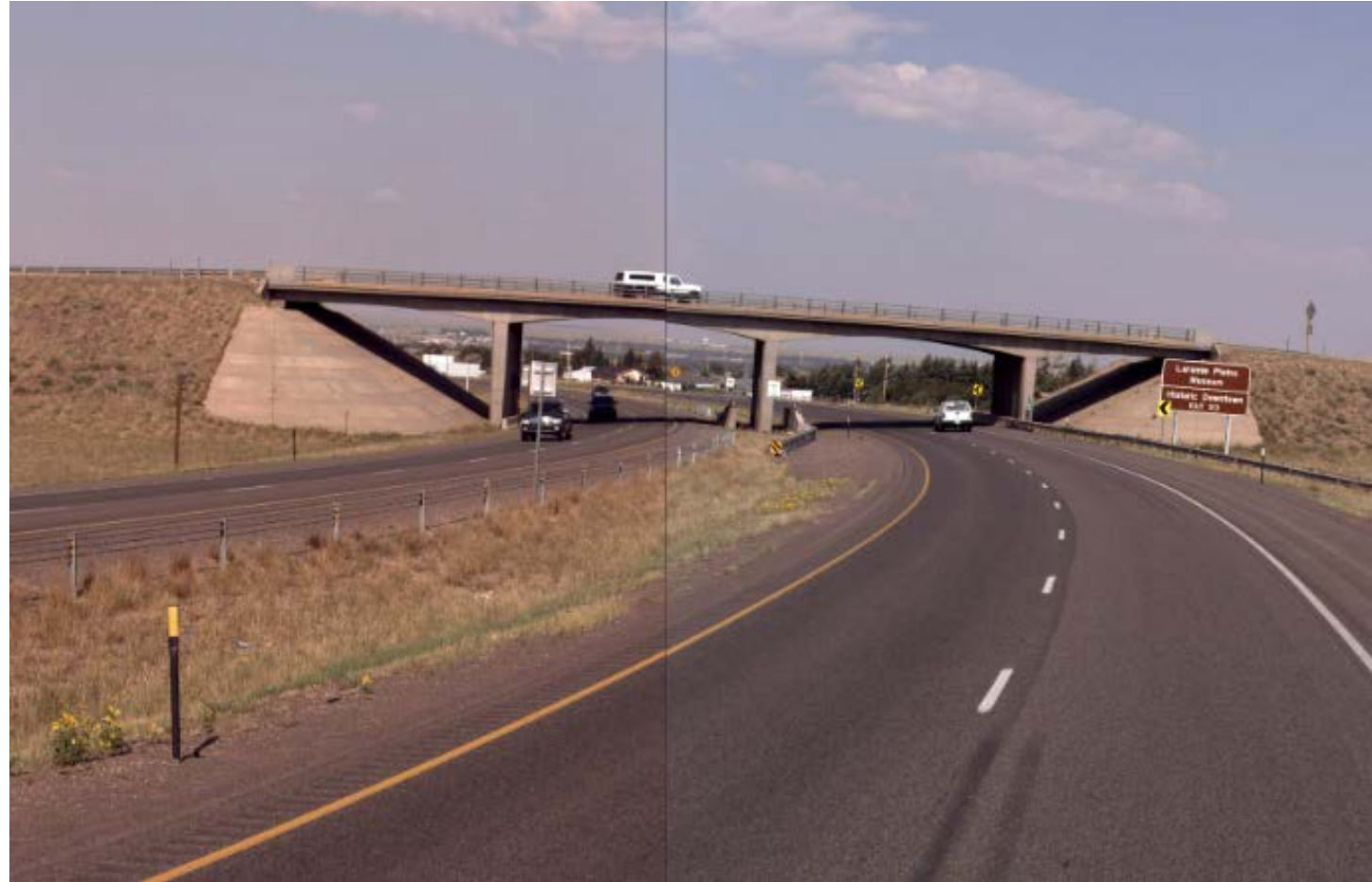
Future projects



I-80 – Grand Ave. Interchange

2029

- **Grand Ave. Interchange Bridges (mile marker 317)**
- **Bridge Rehabilitation**
- **Estimated cost: \$2.7 million**





I-80 — Laramie East Section

2029

- **Mile markers 313.8-319.1**
- **Resurfacing - Mill and Asphalt Overlay**
- **Estimated cost: \$10.8 million**





I-80 - Dutton Creek Rd.

2029

- **Dutton Creek Rd. (mile marker 282.45)**
- **Bridge Replacements**
- **Estimated cost: \$8.7 million**



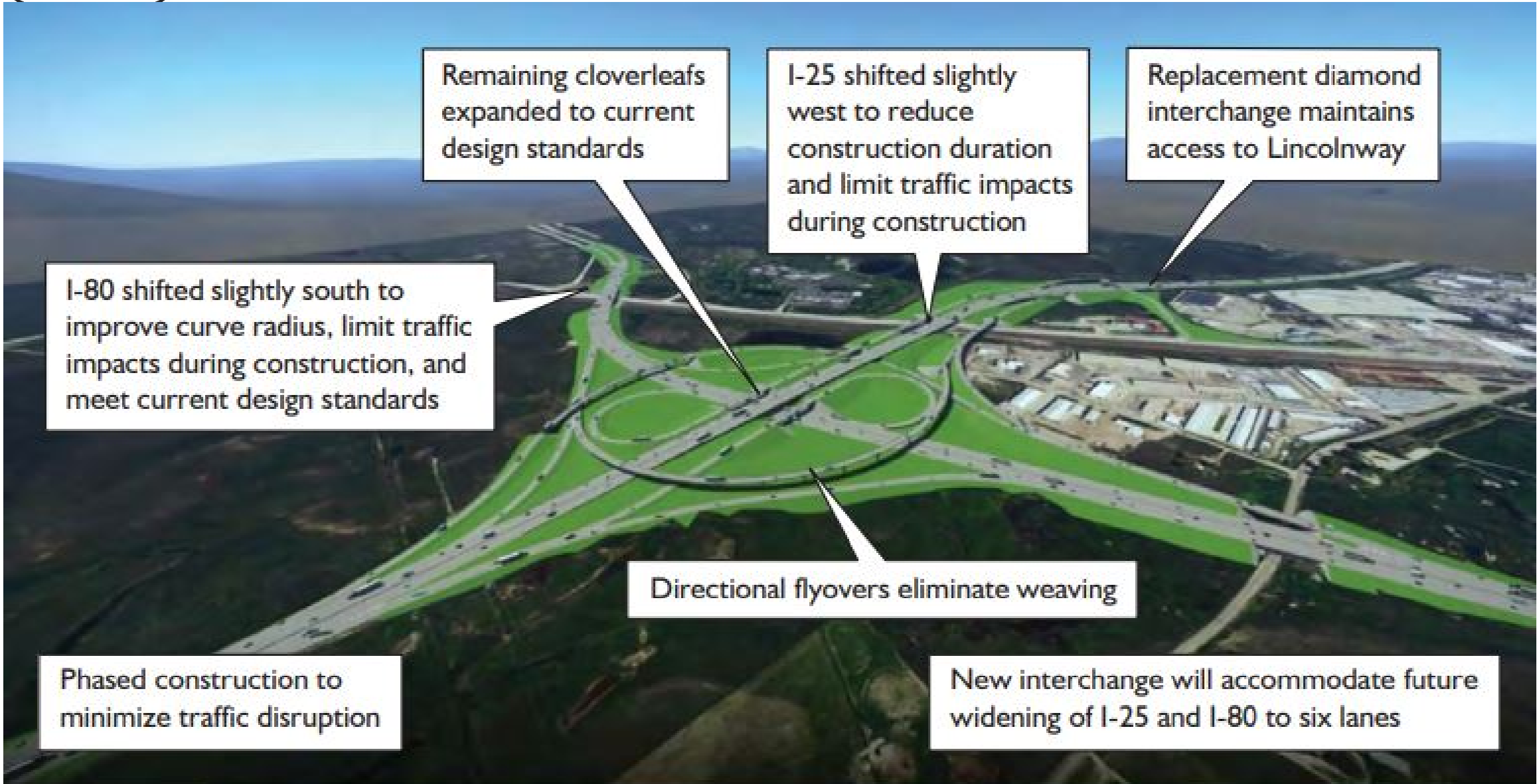


Other Notable Projects

Noteworthy projects around District 1



I-25/I-80 Interchange (Cheyenne)



Remaining cloverleaves expanded to current design standards

I-25 shifted slightly west to reduce construction duration and limit traffic impacts during construction

Replacement diamond interchange maintains access to Lincolnway

I-80 shifted slightly south to improve curve radius, limit traffic impacts during construction, and meet current design standards

Directional flyovers eliminate weaving

Phased construction to minimize traffic disruption

New interchange will accommodate future widening of I-25 and I-80 to six lanes



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.





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To access today's presentation, visit <https://www.dot.state.wy.us/STIP>