



# WYOMING'S TRANSPORTATION SYSTEM

Supporting the economy and connecting our communities.

STATE TRANSPORTATION IMPROVEMENT PROGRAM 2023-2029

[Ralph Tarango](#)

[Ralph.Tarango@wyo.gov](mailto:Ralph.Tarango@wyo.gov)

307-745-2100



# People of WYDOT

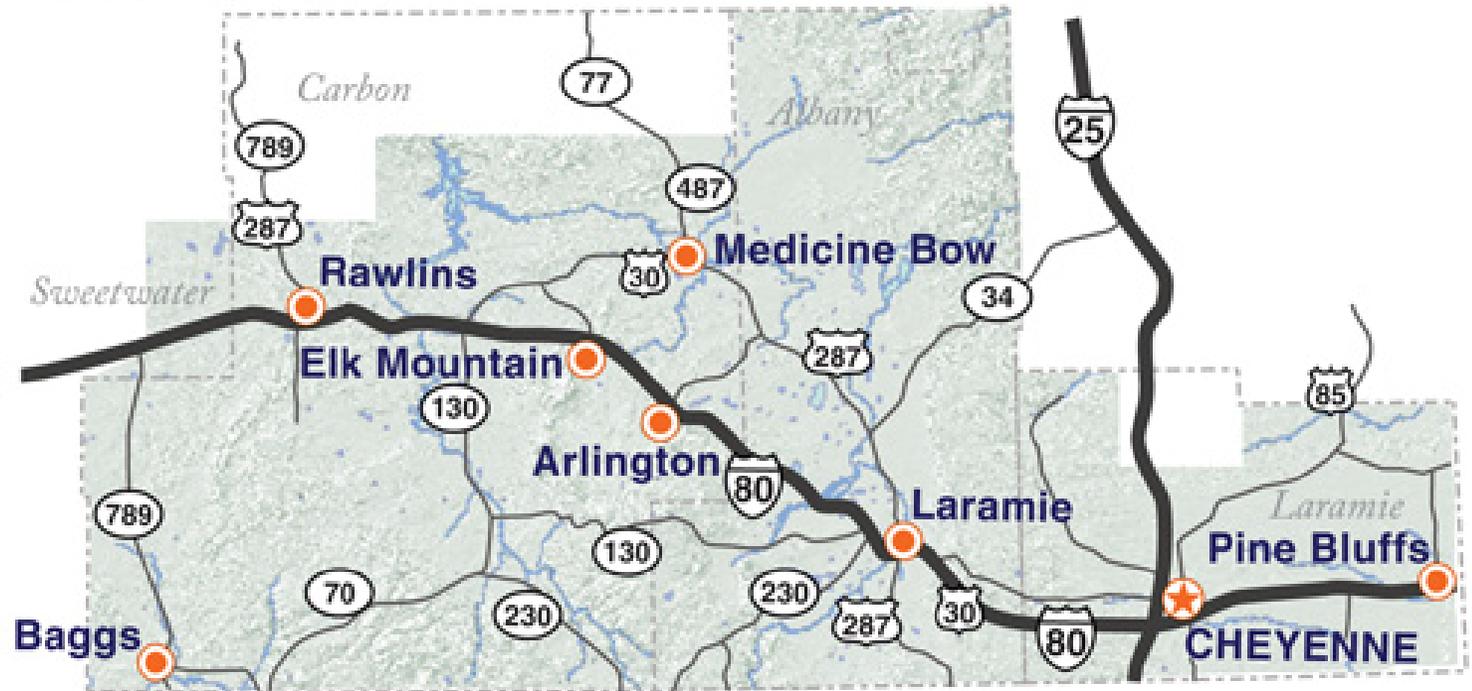


**Ralph Tarango**  
District Engineer



**Patrick Crank**  
Transportation Commissioner  
(Laramie, Goshen, Platte 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



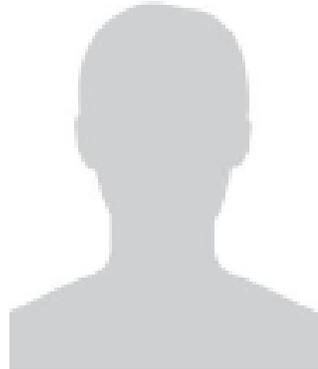


# People of WYDOT

## Construction



**Wayne Shenefelt**  
Resident Engineer



**Vacant**  
Resident Engineer

## Maintenance



**Brian Erickson**  
Area Maintenance Supervisor



**Mark Papke**  
Foreman



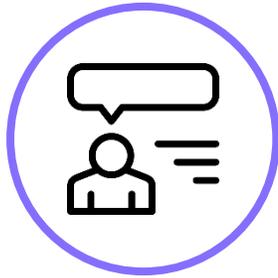
**John Winslow**  
Foreman



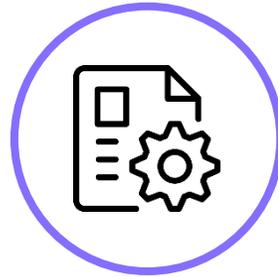
**Chad Varland**  
Foreman



# Purpose



**Need public  
input**



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



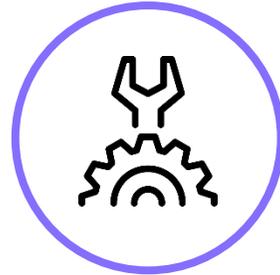
**Overview of WYDOT and  
Proposed STIP**



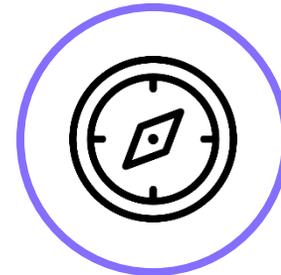
# Road Map



**WYDOT  
Overview**



**District  
Projects**



**Next Steps**



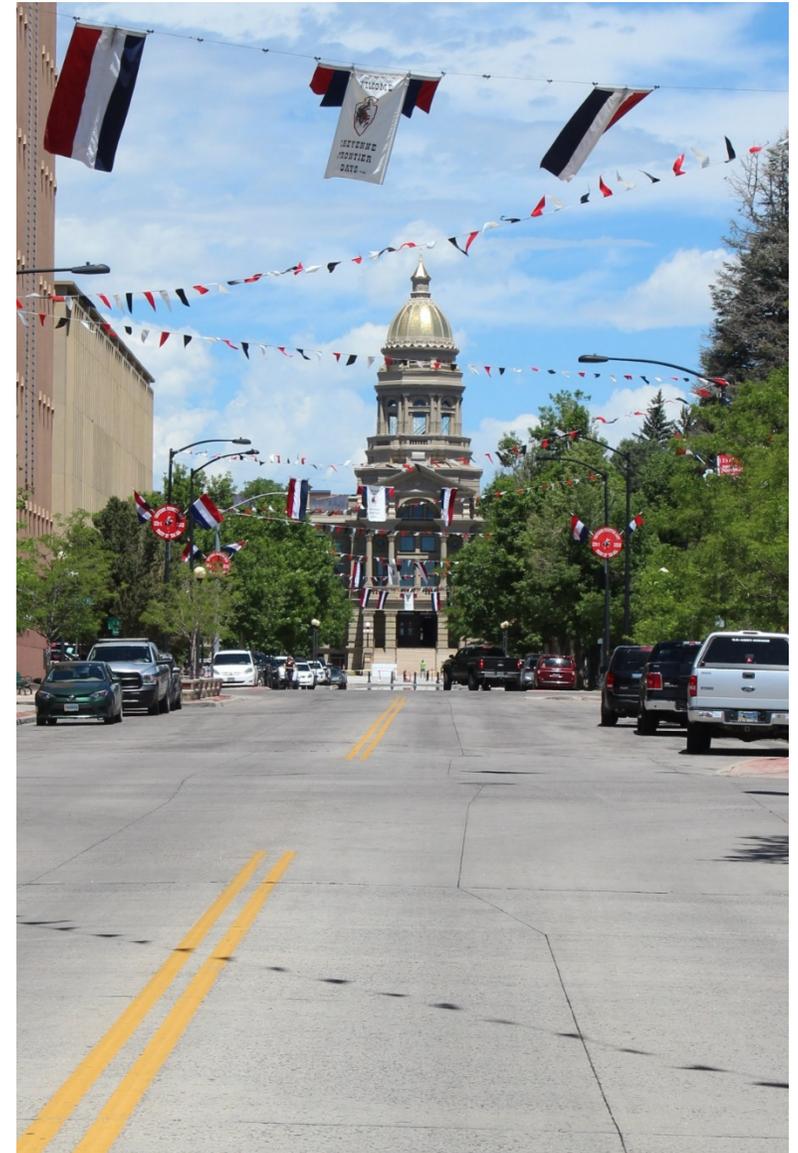
# Purpose, Mission, Vision & Values

**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	<b>912</b>
US Hwys	209	388	550	394	690	<b>2231</b>
State Hwys	403	379	188	279	271	<b>1520</b>
Frontage/ Other	272	589	466	341	400	<b>2068</b>
<b>Total (Miles)</b>	<b>1131</b>	<b>1597</b>	<b>1391</b>	<b>1251</b>	<b>1361</b>	<b>6731</b>

District	1	2	3	4	5	Total
<b>On-system</b>	<b>367</b>	<b>469</b>	<b>349</b>	<b>515</b>	<b>261</b>	<b>1961</b>
Off-system	139	195	149	161	200	844
<b>Total (Bridges)</b>	<b>506</b>	<b>664</b>	<b>498</b>	<b>676</b>	<b>461</b>	<b>2805</b>

Wyoming Transportation Fact Book -

[https://www.dot.state.wy.us/home/administration/strategic\\_performance/fact\\_book.html](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**

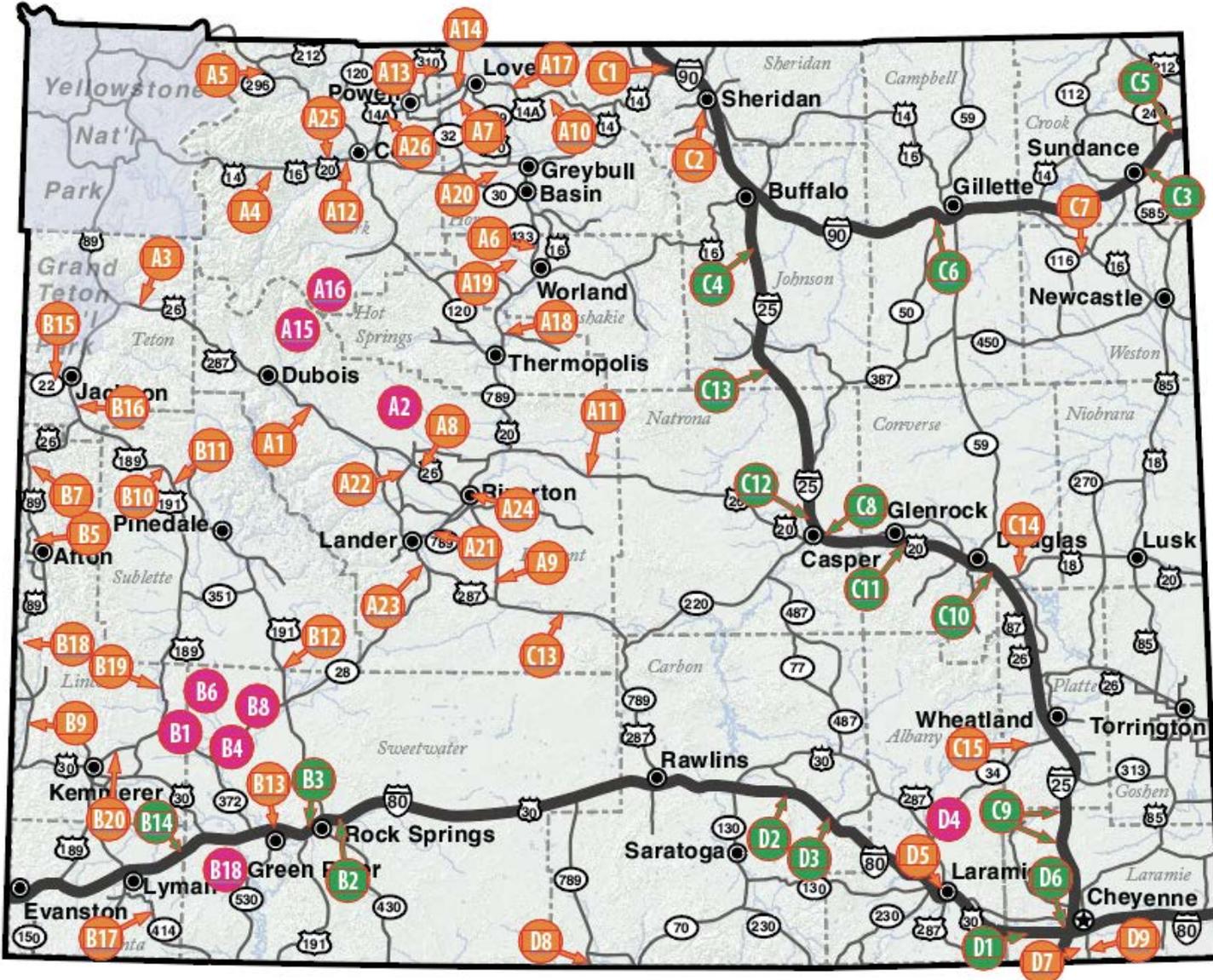
#### Federal vs State Funding

- 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



# Bridge Formula Program (BFP) - Local Projects

District	County / Town	Feature Intersected	Str No	Project Number	Work	Construction FY
1	Carbon Co.	Muddy Creek	DMW	CN06069	Replace	2025
1	Carbon Co.	Rock Creek	DMR	CN06070	Replace	2025
1	Carbon Co.	Four Mile Creek	FPX	CN06071	Replace	2025
1	Carbon Co.	N Platte River	DMK	CN06072	Replace	2026
1	Rawlins	UP RR	CLV	1115901	Rehabilitation	2027
1	Laramie Co.	Lodgepole Creek	DPI	CN02113	Replace	2028

Other local bridge projects throughout the state from 2025-2029:

- District 2: 5
- District 3: 5
- District 4: 6
- District 5: 10





# Local Grants Awarded

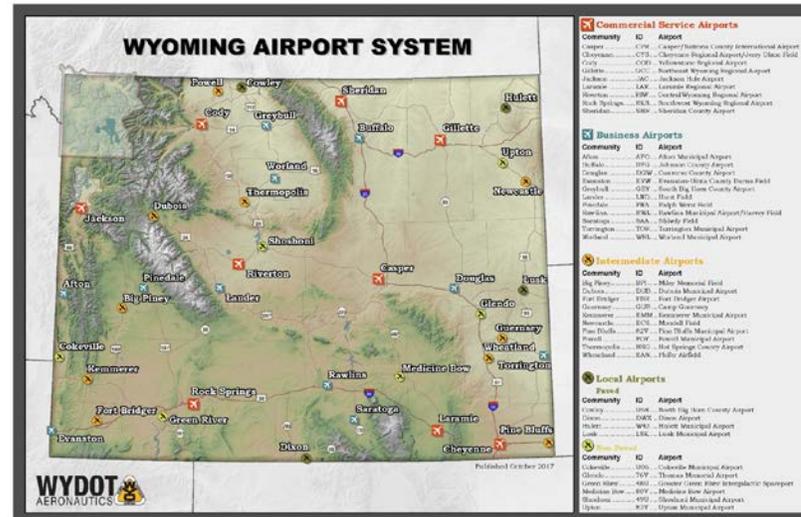
Year	Funding Type	Award Amount	Project Description
FY 2023	<ul style="list-style-type: none"><li>• TAP</li><li>• TAP</li></ul>	<ul style="list-style-type: none"><li>• \$250,000</li><li>• \$543,000</li></ul>	<ul style="list-style-type: none"><li>• Cheyenne MPO Safe Routes to School Master Plan Update</li><li>• Cheyenne HAWK Signals</li></ul>
FY 2022	N/A		
FY 2021	TAP	\$500,000	Cheyenne LCCC Greenway Underpass
FY 2020	TAP	\$400,000	Cheyenne Carey Ave. Pathway
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





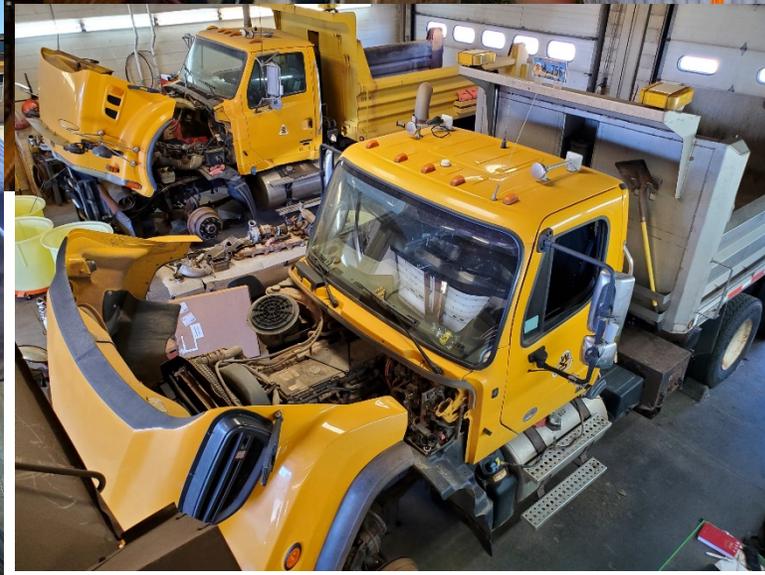
# Equipment

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



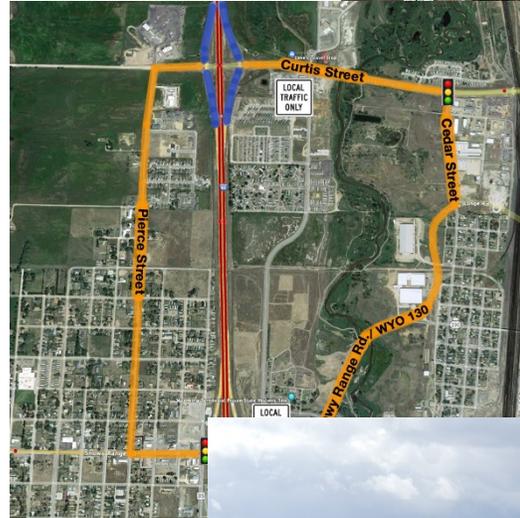


# Public Involvement

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

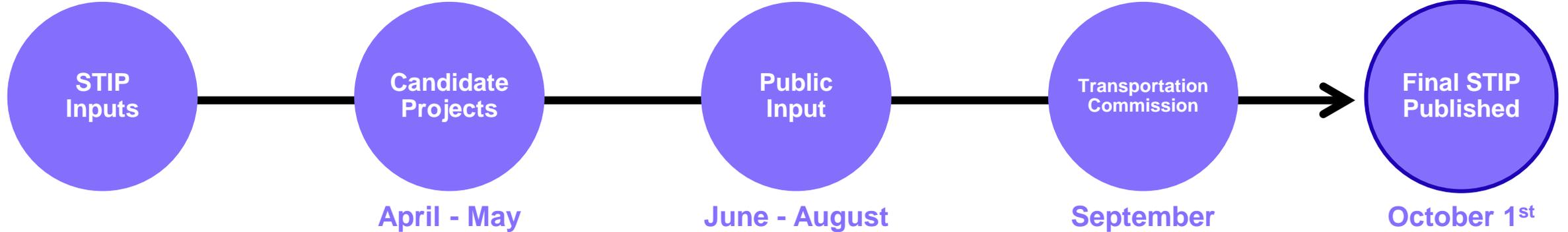
### Oversees and Manages Highway Construction Projects

- 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

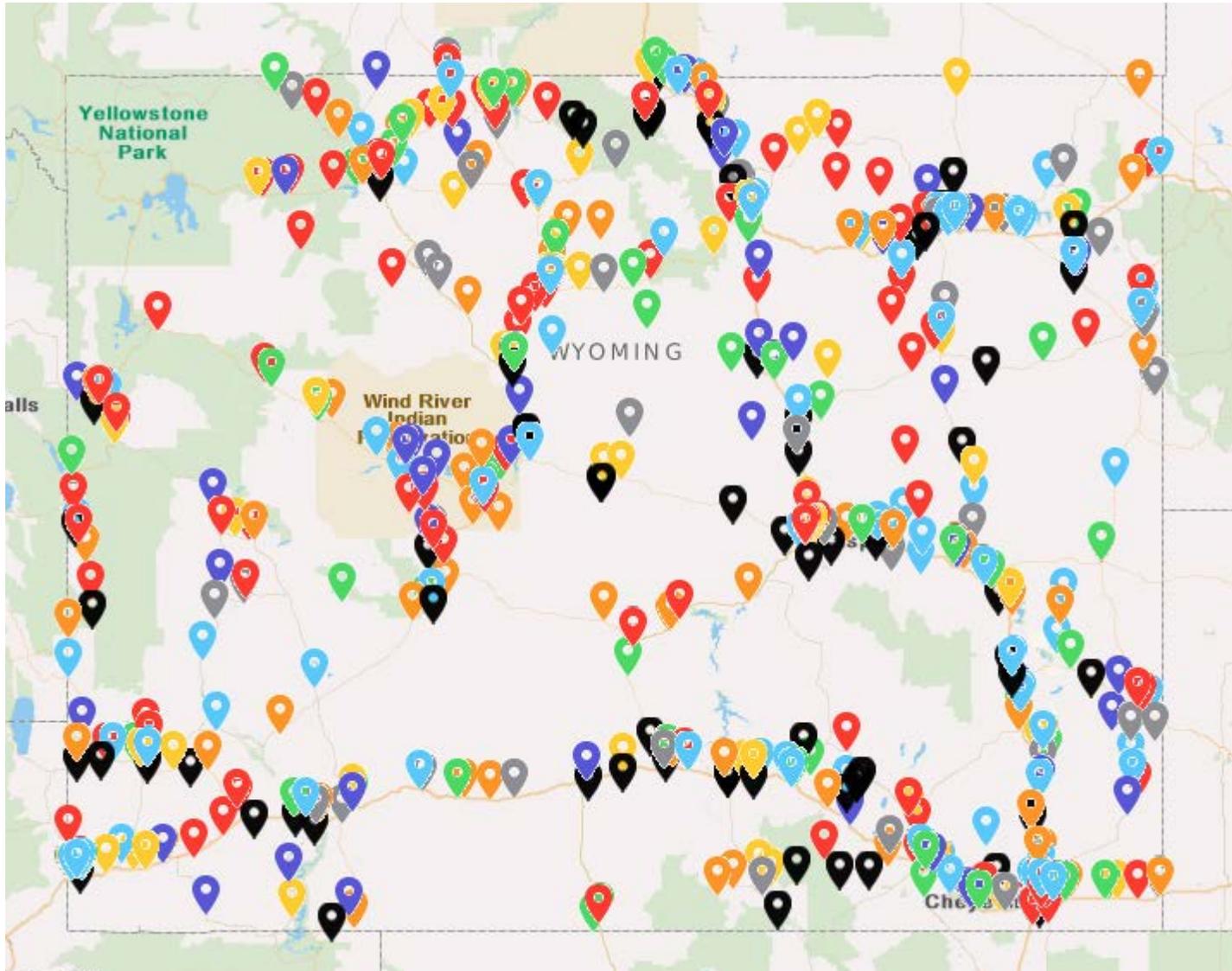
- Approves STIP
- Federal Highway Administration (FHWA) concurs in approval
- Federal Transit Authority concurs in approval



# 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
Laramie	2023	\$38,728,000	\$0	\$1,570,000	\$17,500,000	\$57,798,000
	2024	\$32,098,000	\$0	\$0	\$1,067,000	\$33,165,000
	2025	\$8,971,000	\$0	\$0	\$887,000	\$9,858,000
	2026	\$17,538,000	\$0	\$0	\$4,967,000	\$22,505,000
	2027	\$19,731,000	\$0	\$0	\$7,411,000	\$27,142,000
	2028	\$59,414,000	\$0	\$0	\$0	\$59,414,000
	Future Year	\$2,500,000	\$0	\$0	\$0	\$2,500,000
	<b>Total</b>		<b>\$178,980,000</b>	<b>\$0</b>	<b>\$1,570,000</b>	<b>\$31,832,000</b>



# District 1 STIP 2023-2029

Ryan Shields, District Construction Engineer



# 2023

Current projects



# I-25 Bridges Over Lincolnway & UPRR

2023

- Mile markers 13.23
- Bridge Rehabilitation
- Contract: \$3.2 Million





# I-80 — Pine Bluffs West

2023

- **Mile markers 393-400.5**
- **Mill & Overlay, Concrete Slab Repairs**
- **Contract: \$12 Million**





# I-80 — Roundtop Interchange to Central Ave.

2023

- **Mile markers 357-362**
- **Concrete Slab Repairs, Asphalt Wearing Course, Bridge Repairs**
- **Contract: \$10.7 Million**





# WYO 223/Terry Ranch Road

2023

- **Between I-25 & U.S. 85  
(mile markers 0-5.6)**
- **Mill & Overlay, Bridge  
Replacement**
- **Contract: \$7.5 Million**

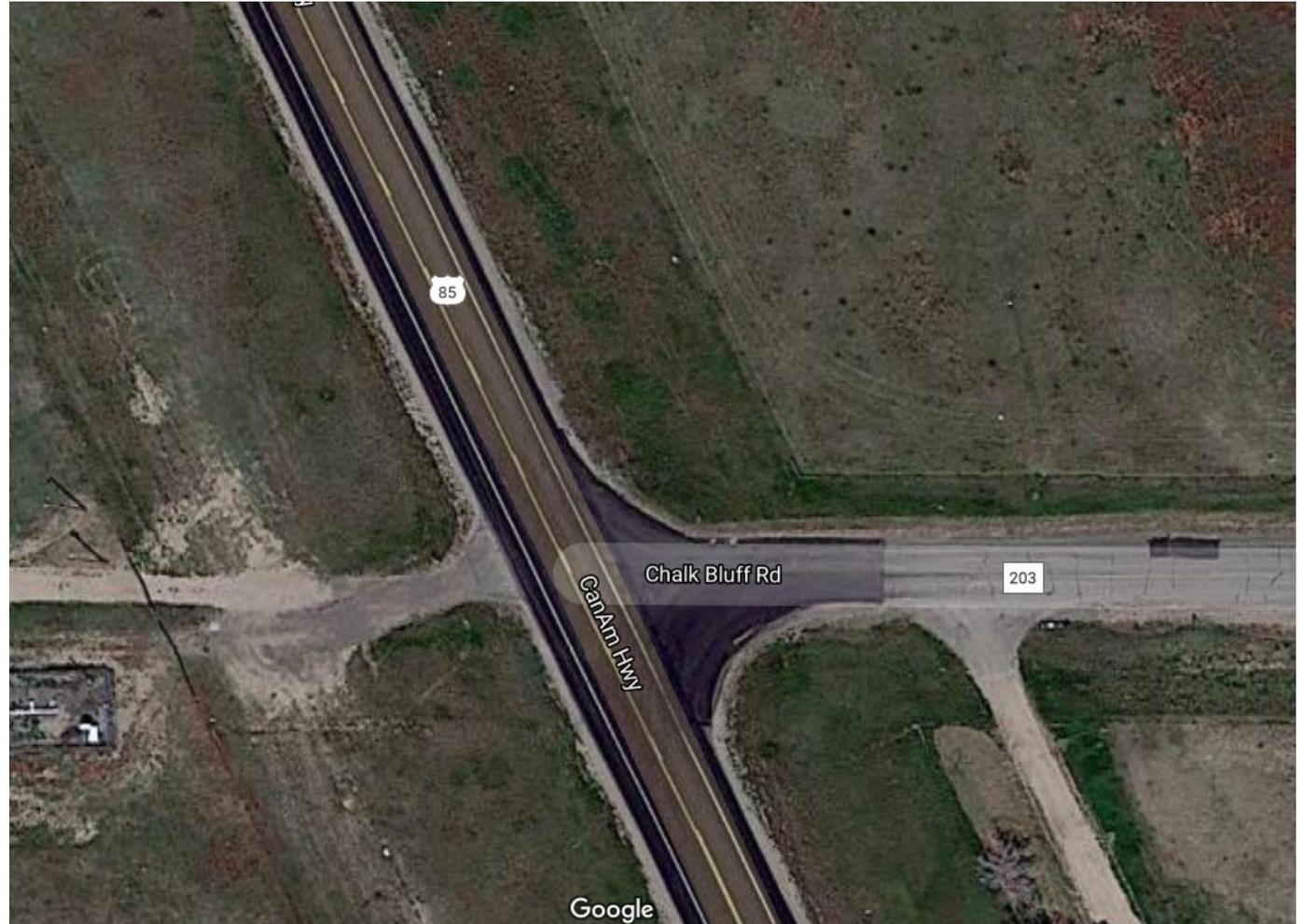




# Cheyenne Streets – Chalk Bluff Rd.

2023

- **Mile markers 3.12-3.34**
- **Safety Project: Add Left Turn Lane for southbound U.S. 85 to Chalk Bluff Rd.**
- **Contract: \$400,000 (HSIP funds)**





# I-25 — U.S. 85 Interchange Acceleration Lane

2023

- **Mile markers 16.64-17.24**
- **Safety Project: Extend Acceleration Lane, Guardrail Work**
- **Contract: \$1.4 Million (HSIP funds)**





# I-25 Pedestrian Bridge Repair

2023

- **I-25 Pedestrian Bridge Near McCormick Junior High**
- **Bridge Repair**
- **Contract: \$890,000**





# I-80 Bridge Damage Repair – College Drive & BNSF

2024

- **Bridges over I-80 at College Drive and BNSF**
- **Bridges Damaged by Illegal Load**
- **Contract: \$1.2 Million**
- **DR Funding**





# District-wide Projects

2023

- **Work includes:**
  - Bridge rehabilitation (\$940,000)
  - Chip seal (\$1 million)
  - Crack seal (\$527,000)
  - Contract patching (\$1 million)
  - Slab repair (\$220,000)
  - Guardrail (\$1 million)
  - Epoxy Striping (\$850,000)
- **Various locations around district; locations chosen each year based on needs**





# 2024

Upcoming projects



# I-80 Cheyenne/BNSF – Over-height Warning System

2024

- Mile markers 360.5-363
- Over-height Warning System
- Estimate: \$500,000





# Cheyenne Streets — U.S. 30/Lincolnway

2024

- **Pershing to Christensen (MM 365.8-368.52)**
- **Widen to 5 lanes, Overlay, Pedestrian Underpass, Traffic Signal at US 30 and Whitney**
- **Estimate: \$21.2 million**





# U.S. 30 — Pine Bluffs East

2024

- **Parson S. to NE state line  
(mile markers 401-403)**
- **Mill & Overlay, Chip Seal, New RR crossing at Butler Ave.**
- **Estimate: \$3.6 million**





# Cheyenne Streets — WYO 212/College Drive

2024

- **I-25 to U.S. 85/S Greeley Highway  
(mile markers 0.14-2.71)**
- **Mill & Overlay, Chip Seal**
- **Estimate: \$3.8 million**





# Central Avenue & Yellowstone Rd

2024

- **Kennedy Rd. to Yellowstone Rd.**
- **Concrete Slab Repair**
- **Estimate: \$1.3 Million**





# Roundtop Road

2024

- **Otto Rd to Happy Jack Rd**
- **Mill & Overlay**
- **Estimate: \$800,000**





# Chip Seal

2024

- **Bishop Blvd – Vandehel to Ridley Rd**
- **US 85 – Terry Ranch Rd to College Dr.**
- **Estimate: \$750,000**





# High Mast Light Tower Replacements

2024

- **Replace 50 High Mast Light Towers in Laramie County**
- **New Tower Design**
- **Estimated cost: \$3.25 Million**





# Spot Safety Projects

2024

- **U.S. 85 Longline Tape (mile markers 7.3-8.4)**  
– Estimate: \$250,000
- **I-25 Central Ave. southbound on-ramp acceleration lane (mile markers 12.3-12.6)**  
– Estimate: \$700,000
- **I-25 closure gates (mile markers 18.98-21.35)**  
– Estimate: \$465,000
- **HSIP funds**





# 2025

Future projects



# Cheyenne Streets —Warren Ave. Phase II

2025

- **24<sup>th</sup> St. to Pershing Blvd.**
- **Mill & Overlay**
- **Estimated cost: \$2.2 million**





# I-80 — Burns Section

2025

- **Mile markers 382.15-393.40**
- **Concrete Slab Repair, Asphalt Wearing Course, (6) Bridge Replacements**
- **Estimate: \$25.5 million**





# Laramie County Project — Pershing UPRR Bridge

2025

- **Bridge Over UPRR  
(Currently Closed to  
Traffic)**
- **Bridge Removal**
- **Estimate: \$115,000**





# Pedestrian Bridge Lighting Upgrade

2025

- **I-80 and I-25 Pedestrian Overpass Bridges**
- **Upgrade Lighting Systems**
- **Traffic Safety Project**
- **Estimate: \$275,000**





# 2026

Future projects



# Cheyenne Streets — Dell Range Blvd & Whitney Rd

2026

- **Laramie County & City of Cheyenne Urban Systems Project**
- **Reconstruction, Realignment & New Signalized Intersection, Frontage Roads**
- **Estimate: \$9.6 million**





# Cheyenne Streets – Central Ave.

2026

- **Pershing to 22<sup>nd</sup> St.**
- **Mill & Overlay, ADA Upgrades, Traffic Signal Upgrades**
- **Estimate: \$4 Million**





# Cheyenne Streets — College Dr.

2026

- **Between Fox Farm & UPRR**
- **Concrete Paving, Bridge Repair, add Dual Left at EB off-ramp**
- **Estimate: \$10.1 million**





# WYO 214 - Carpenter Rd.

2026

- I-80 to Town of Carpenter
- Mill & Overlay
- Estimate: \$5.4 million





# 2027

Future projects



# I-80 Pine Bluffs Marginal East and Westbound

2027

- **Mile Markers 400.5-402.78**
- **Mill & Overlay, Bridge Replacements**
- **Estimate: \$12.6 million**





# I-80 — Otto Road Section EBL

2027

- **Mile markers 348.36-357.7  
(Eastbound Only)**
- **Mill & Overlay**
- **Estimate: \$8.4 million**





# 2028

## Future Projects



# I-80 Service Road

2028

- **Archer to Hillsdale  
(7 miles)**
- **Mill & Overlay, Chip  
Seal**
- **Estimate: \$4.6 million**





# I-80 — Otto Road Section WBL

2028

- **Mile markers 348.36-357.7  
(Westbound Only)**
- **Mill & Overlay**
- **Estimate: \$8.9 million**





# WYO 215 — Pine Bluffs to Albin

2028

- **Mile markers 0-10**
- **Mill, overlay, chip seal**
- **Estimate: \$6.1 million**





# U.S. 85 — Lodgepole Section

2028

- Mile markers 17-27
- Mill & Overlay, Realign Intersection of US 85 & Yellowstone Rd
- Estimate: \$9 million





# I-80 Bridges over Walterscheid Blvd.

2028

- **3 Bridges**
- **Bridge Replacement**
- **Estimate: \$6.3 Million**





# WY219 Bridge Replacement – Old Yellowstone Rd.

2028

- **Mile marker 5.35**
- **Bridge Replacement**
- **Estimate: \$2.25 Million**





# 2029

## Future Projects



# I-80 — Albany/Laramie County Line East

2029

- Mile markers 336.51-341.20 (Eastbound & Westbound)
- Mill & Overlay
- Estimate: \$9.4 million





# U.S. 30 – Christensen Rd. to Archer

2029

- **Christensen Rd to Archer (2.2 Miles)**
- **Widen to 5 Lane Section, Bridge Deck Replacement**
- **Estimate: \$8.2 million**





# WYO 210 — Happy Jack West

2029

- **Mile Markers 0-10.29**
- **Mill & Overlay, Chip Seal**
- **Estimate: \$11 Million**



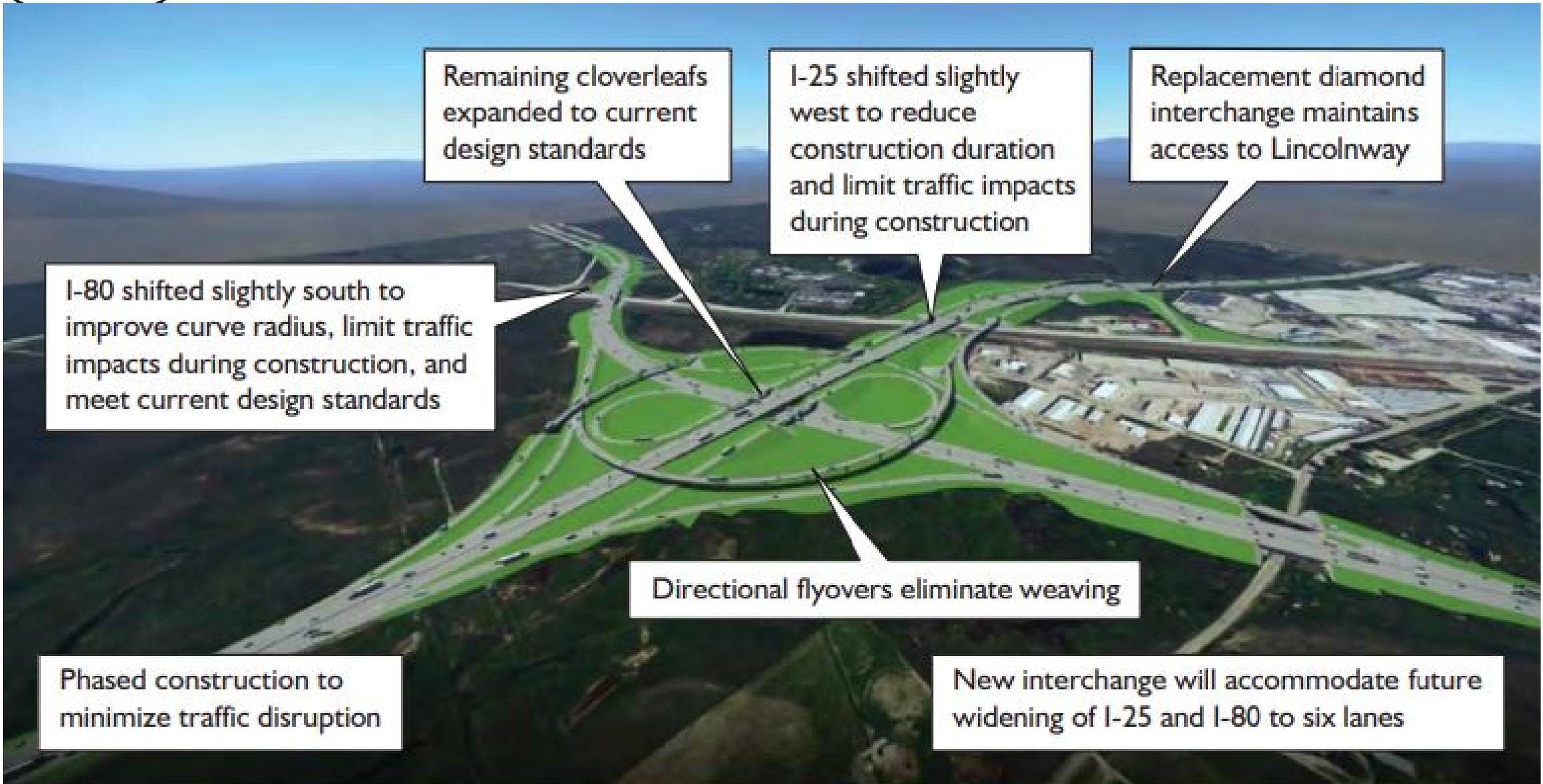


# Other Notable Projects

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



# I-80 Winter Freight Project

**Truck Parking locations:**  
Quealy Dome, Ft. Steele

**Truck climbing lanes:**  
Cooper Cove, Halleck  
Ridge

**\$34 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.**





# WYOMING'S TRANSPORTATION SYSTEM

Supporting the economy and connecting our communities.

STATE TRANSPORTATION IMPROVEMENT PROGRAM 2023-2029

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