



WYOMING'S TRANSPORTATION SYSTEM

Supporting the economy and connecting our communities.

STATE TRANSPORTATION IMPROVEMENT PROGRAM 2023-2029

[Ralph Tarango](#)

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307-745-2100



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



Ralph Tarango
District Engineer



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

District 1





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



Jake Lonn

Resident Engineer



Aaron Spenny

Resident Engineer

Maintenance Area Supervisors



Marty Mayfield



Brett Baker

Foremen



**Trevor
Ballinger**
Baggs



Rick Ackerman
Rawlins



**James 'Mike'
Chesnut**
Medicine Bow



Billy Zeiger
Saratoga



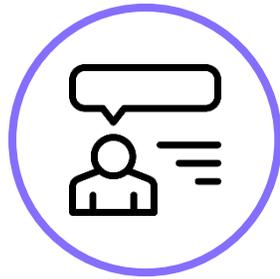
**Wyatt 'Figg'
Houston**
Elk Mountain



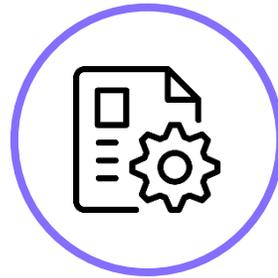
Brian O'Connor
Arlington



Purpose



**Need public
input**



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



**Overview of WYDOT and
Proposed STIP**



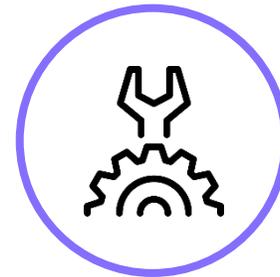
Road Map



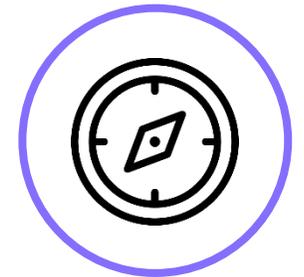
**WYDOT
Overview**



**STIP
Development
and 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

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



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



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**

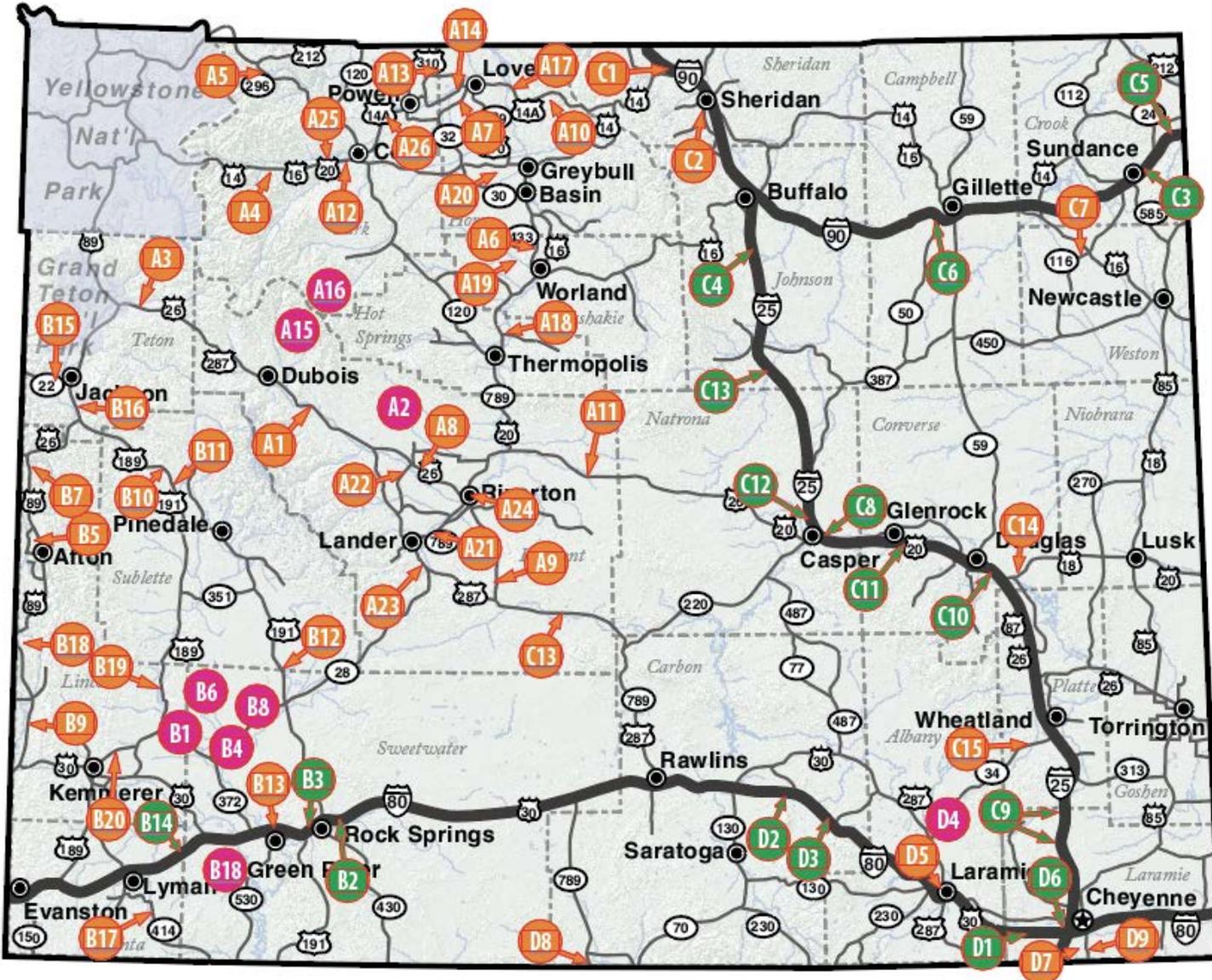
Federal vs State Funding

- 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
 - 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 **poor** 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 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">• HRRR• TAP	<ul style="list-style-type: none">• \$90,500• \$181,000	<ul style="list-style-type: none">• Pavement Markings• Saratoga Pathways Master Plan
FY 2022	CMAQ	\$264,000	Dust Suppression
FY 2021	CMAQ	\$264,000	Dust Suppression
FY 2020	CMAQ	\$287,000	Dust Suppression
FY 2019	CMAQ	\$120,000	Dust Suppression

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

WYDOT web page – Transportation Grant opportunities
(https://www.dot.state.wy.us/home/business_with_wydot/grants.html)



Divisions and 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





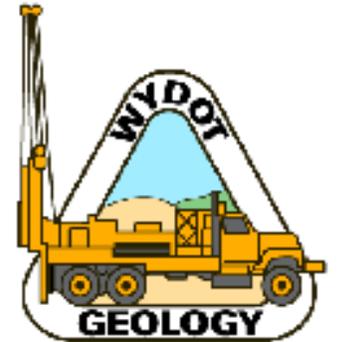
Divisions and Programs

Engineering and Planning

- Bridge
- Contracts & 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



BRIDGE PROGRAM
WYOMING DEPARTMENT OF TRANSPORTATION





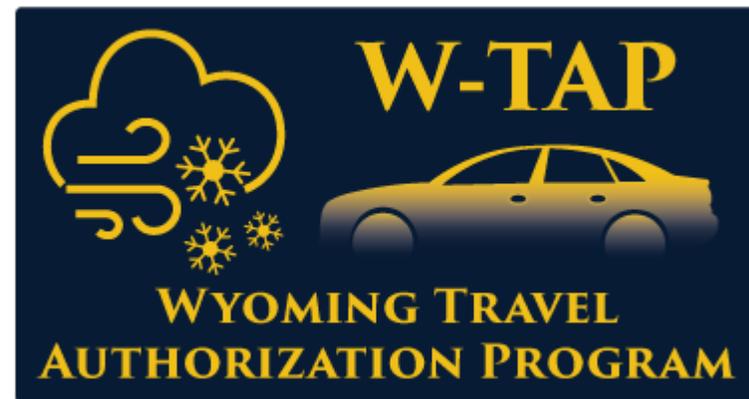
Divisions and Programs

Emergency Communications

- WyoLink
- 24-hour Transportation Management Center (TMC)
- Road Condition Website

WYO511

WYOROAD.INFO





Divisions and Programs

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

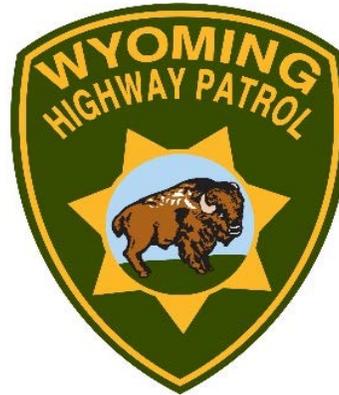
Dispatch received

- 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 crashes
- Arrested 572 impaired drivers



WHP STATISTICS: SUBSTANCES SEIZED

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 Steroids, and Spice

WHP STATISTICS: CITATIONS ISSUED

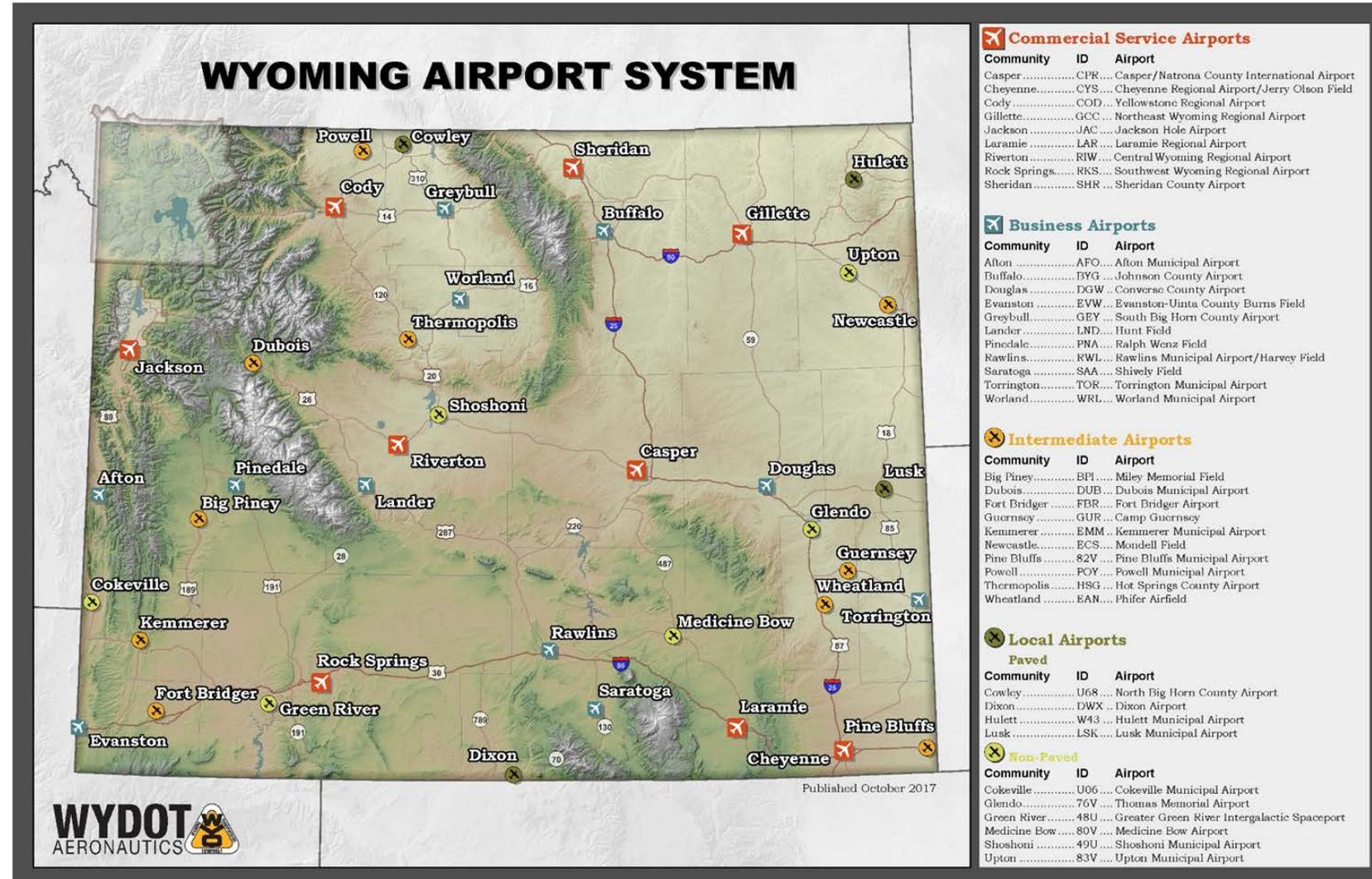
104,615 Vehicles Stopped
25,265 Speeding Citations
1,260 Driving w/Suspended License Citations
529 No Child Restraint Citations
2,433 No Seatbelt Citations
46,632 Traffic Violations/Faulty Equipment Warnings



Divisions and Programs

Aeronautics

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





Divisions and Programs



- 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



District 1





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





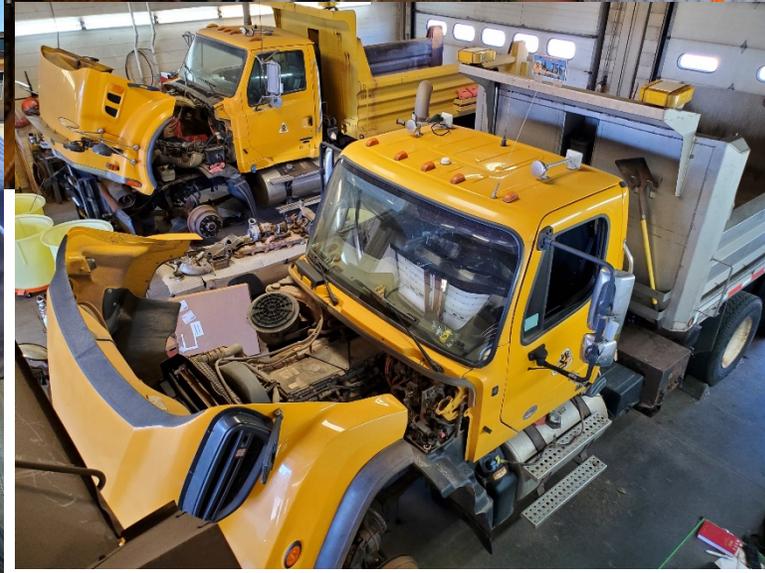
Equipment

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



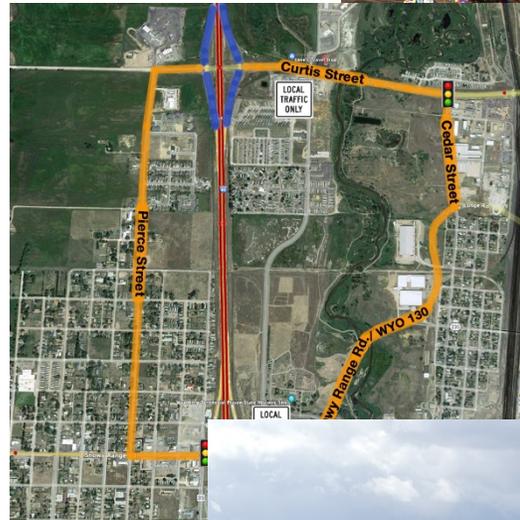


Public Involvement

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



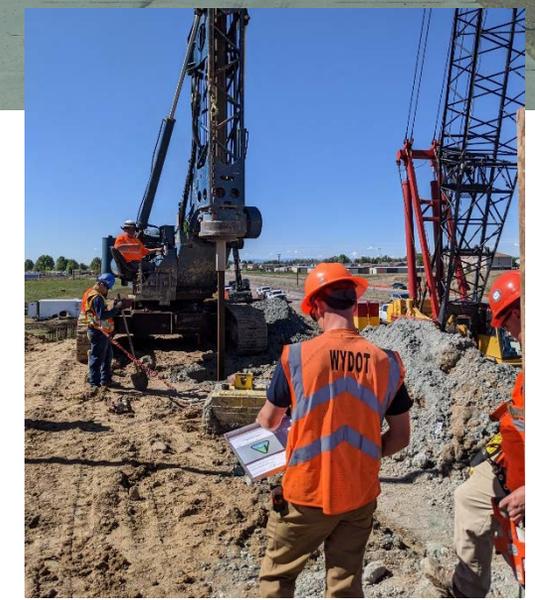


Construction

Ryan Shields, District Construction Engineer

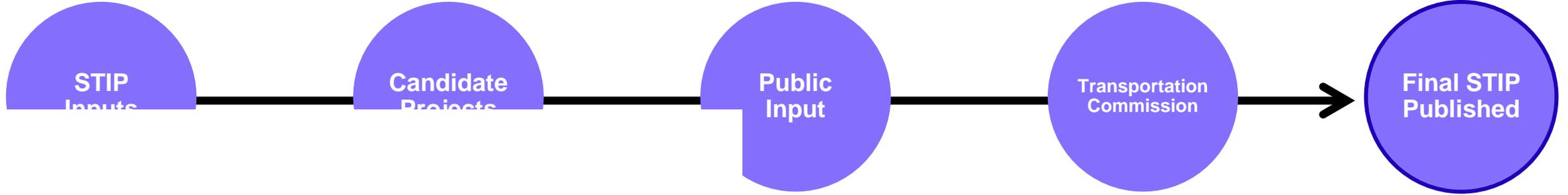
Oversees and Manages Highway Construction Projects

- 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



1e - August

September

October 1st

-
-
-
-
-
-
-
-
-
-

- Other Projects

- Local Governments

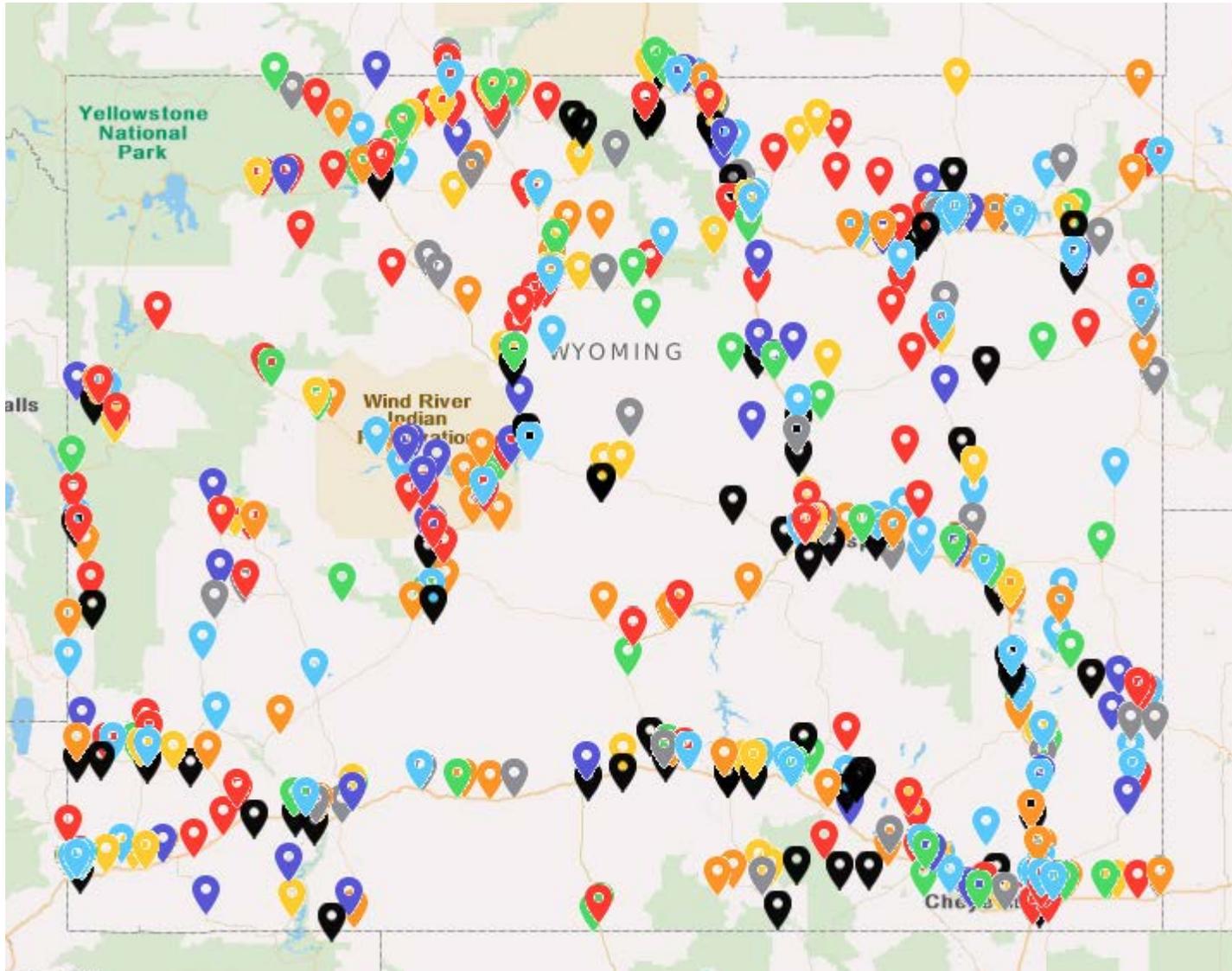
- Approves STIP
- Federal Highway Administration (FHWA) concurs in approval
- Federal Transit Authority concurs in approval



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?

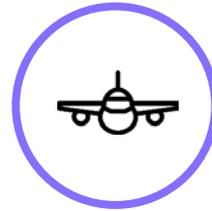
Single source of the Department's projects.



**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 - What is in the document?



Wyoming Department of Transportation
5300 Bishop Blvd
Cheyenne, WY 82009

STATE TRANSPORTATION IMPROVEMENT PROJECTS ENGINEERING & CONSTRUCTION

WYCN002B

Carbon County

Transportation Projects

Fiscal Year: 2023

Trans Comm Dist	Project		General Location Detail Location	Begin RM	End RM	Length	Character of Work	Cost \$1,000						
								PE FY	PE	CE & CON	TOTAL	FED	ST	OTH
2	SCP-TC	0404014	HANNA TO ELK MOUNTAIN WY 72 SOUTH	12.37	15.98	3.61	PAVEMENT REHABILITATION	2017	30	3,023	3,053	27	3,026	0
2	SCP	0404015	ELK MOUNTAIN ELK MOUNTAIN SHOP	15.20	15.20	0.00	PAVEMENT RESURFACE	2020	1	37	38	0	38	0
2	STP	P182033	COLORADO TO BAGGS LITTLE SNAKE RIVER NORTH/WY 789 STRUCTURE NO. DJF, FSD	50.30	53.20	2.90	PAVEMENT REHABILITATION	2020	111	3,764	3,875	3,507	369	0
2	NHPPI	WL12303	RAWLINS TO LARAMIE I-80 WILDLIFE CROSSINGS	249.00	256.00	7.00	ENVIRONMENTAL		20	0	20	19	1	0
FY TOTAL:						13.51			\$162	\$6,824	\$6,986	\$3,553	\$3,434	\$0



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
Carbon	2023	\$6,986,000	\$0	\$416,000	\$0	\$7,402,000
	2024	\$17,153,000	\$0	\$0	\$333,000	\$17,486,000
	2025	\$20,612,000	\$0	\$0	\$831,000	\$21,443,000
	2026	\$31,038,000	\$0	\$0	\$1,143,000	\$32,181,000
	2027	\$37,203,000	\$0	\$0	\$950,000	\$38,153,000
	2028	\$47,419,000	\$0	\$0	\$167,000	\$47,586,000
	Future Year	\$2,320,000	\$0	\$0	\$0	\$2,320,000
	Total		\$162,731,000	\$0	\$416,000	\$3,424,000



District 1 STIP 2023-2029

Ryan Shields, District Construction Engineer



2023

Current projects



WYO 72 – Town of Hanna

2023

- **Mile markers 0-3.12
(Through Town of Hanna)**
- **Mill & Overlay & Chip Seal**
- **Estimated cost: \$1.3 million**





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





Wildlife Fence— I-80/Halleck Ridge

2023

- **Mile Markers 245.94-252.4**
- **Wildlife fence installation**
- **Part of the BUILD project**
- **Estimated cost: \$2.2 million**





WYO 789 & WYO 70 — Town of Baggs

2023

- **Town of Baggs:**
 - WYO 789: mile markers 50-53
 - WYO 70: mile markers 0-0.9
- **Mill & Overlay, Bridge Repair**
- **Estimated cost: \$6.1 million**





District-wide Projects

2023

- **Work includes:**
 - Bridge rehabilitation (\$936,000)
 - Chip seal (\$1.2 million)
 - Crack seal (\$1.6 million)
 - Guardrail (\$1.99 million)
- **Various locations around district; locations chosen each year based on needs**





2024

Upcoming projects



Rawlins 3rd St. Emergency Repair

2024

- North of Walnut, near Outlaw Bowl
- Slope Work, Pipe & Drainage Repair, Surfacing
- Estimated cost: \$1.2 million





WYO 72 – I-80 to Town of Elk Mountain

2024

- **Mile markers 12.37-15.98 (south of I-80)**
- **Mill & Overlay, Structure and Drainage Work**
- **Estimated cost: \$3.5 million**





I-80 — Wagonhound EBL Section & Rest Area

2024

- **Mile Markers 258.9-267.19 (Eastbound only)**
- **Mill & Overlay, Rest Area Resurfacing**
- **Estimated cost: \$10.4 million**





I-80 – High Friction Surface Treatment (Safety)

2024

- **Mile marker 214 (Crash Hot Spot)**
- **Safety Project: High Friction Surface Treatment**
- **Estimated cost: \$375,000**





High Mast Light Tower Replacements

2024

- **Replace 20 High Mast Light Towers in Carbon County**
- **New Tower Design**
- **Estimated cost: \$1.2 Million**





District-wide Projects

2024

- **Work includes:**

- Slab repairs (\$1.25 million)
- Bridge rehabilitation (\$3 million)
- Chip seal (\$3 million)
- Contract patching (\$1.25 million)
- Chip seal Elk Mtn. shop (\$42,955)

- **Various locations around district; locations chosen each year based on needs**





2025

Future projects



US 287 / Higley Blvd Pedestrian Underpass

2025

- **Urban Systems Project:**
 - US 287 Bypass/Higley Blvd.
 - New Pedestrian Underpass and Pathway Connections





I-80 — Wagonhound WBL Section

2025

- **Mile Markers 258.9-267.19 (Eastbound only)**
- **Mill & Overlay**
- **Estimated cost: \$9.7 million**





Carbon County Bridge Replacements

2025

- **DMR – County Rd 3**
- **DMW – County Rd 702**
- **FPX – County Rd 603**

- **Structure Replacements**

- **Estimated cost: \$2.2 million**





District-wide Projects

2025

- **Work includes:**
 - Slab repairs (\$500,000)
 - Bridge rehabilitation (\$1.4 million)
 - Bridge replacements (\$5.9 million)
 - Chip seal (\$1.5 million)
 - Contract patching (\$500,000)
 - Pipe lining (\$1.5 million)
- **Various locations around district; locations chosen each year based on needs**





2026

Future projects



Carbon County Bridge Replacement

2026

- **County Road 203**
- **Bridge Over North Platte River**
- **Bridge Replacement**





Carbon County Bridge Replacement

2026

- **County Road 660**
- **Bridge Over North Platte River**
- **Bridge Replacement**





I-80 — Dana Ridge Section

2026

- **Mile Markers 240-245.9 (Eastbound and Westbound)**
- **Mill & Overlay, Bridge Replacements**
- **Estimated cost: \$18.2 million**





I-80 — Rawlins West Section (Eastbound)

2026

- **Mile markers 199-210.98**
- **Mill and overlay**
- **Estimated cost: \$10.5 million**





District-wide Projects

2026

- **Work includes:**
 - Slab repairs (\$500,000)
 - Bridge rehabilitation (\$1.6 million)
 - Chip seal (\$500,000)
 - Crack seal (\$250,000)
 - Contract patching (\$500,000)
- **Various locations around district; locations chosen each year based on needs**





2027

Future projects



I-80 — Rawlins West Section (Westbound)

2027

- **Mile markers 199-210.98**
- **Mill & Overlay**
- **Estimated cost: \$11 million**





WYO 230 — Skyline Section (Riverside-CO)

2027

- **Mile markers 110.13-116.9**
- **Mill & Overlay, Chip Seal**
- **Estimated cost: \$6.4 million**





City of Rawlins – 6th St. Bridge Repair

2027

- **6th Street RR Overpass Bridge**
- **Bridge Repair (Piers)**





District-wide projects

2027

- **Work includes:**
 - Slab repairs (\$250,000)
 - Chip seal (\$500,000)
 - Crack seal (\$500,000)
 - Contract patching (\$250,000)
- **Various locations around district; locations chosen each year based on needs**





2028

Future projects



I-80 — Bridge Deck Replacements Near Arlington 2028

- **Mile marker 272, Bridges Over Rock Creek**
- **Bridge Deck Replacements**
- **Estimated cost: \$3 million**





Rawlins 3rd St. Urban Section

2028

- **Mile markers 0-1.92**
- **Mill and Overlay,
Remove Median
Lighting**
- **Estimated cost: \$3.7
million**





I-80 – Rawlins Section (West and Eastbound Lane)

2028

- **Mile markers 216.20 – 221.20**
- **Mill & Overlay**
- **Estimated cost: \$9.6 million**





I-80 – Walcott Jct. East (East and Westbound Lanes)

2028

- **Mile Markers 233.7-240**
- **Mill, overlay, chip seal**
- **Estimated cost: \$12.2 million**





WYO 70 — Encampment West

2028

- Mile markers 50-57.7
- Includes Section through Town of Encampment
- Mill & Overlay, Chip Seal
- Estimated cost: \$8.1 million





District-wide projects

2028

- **Work includes:**
 - Slab repairs (\$250,000)
 - Bridge rehabilitation (\$250,000)
 - Chip seal (\$250,000)
 - Crack seal (\$250,000)
 - Fencing (\$250,000)
 - Contract patching (\$250,000)
- **Various locations around district; locations chosen each year based on needs**





2029

Future projects



I-80 – County Line West (East and Westbound Lanes)

2029

- **Mile Markers 186.62-199.05**
- **Mill & Overlay**
- **Estimated cost: \$25.2 million**





District-wide projects

2029

- **Work includes:**
 - Slab repairs (\$500,000)
 - Bridge rehabilitation (\$250,000)
 - Chip seal (\$500,000)
 - Crack seal (\$250,000)
 - Contract patching (\$500,000)
- **Various locations around district; locations chosen each year based on needs**





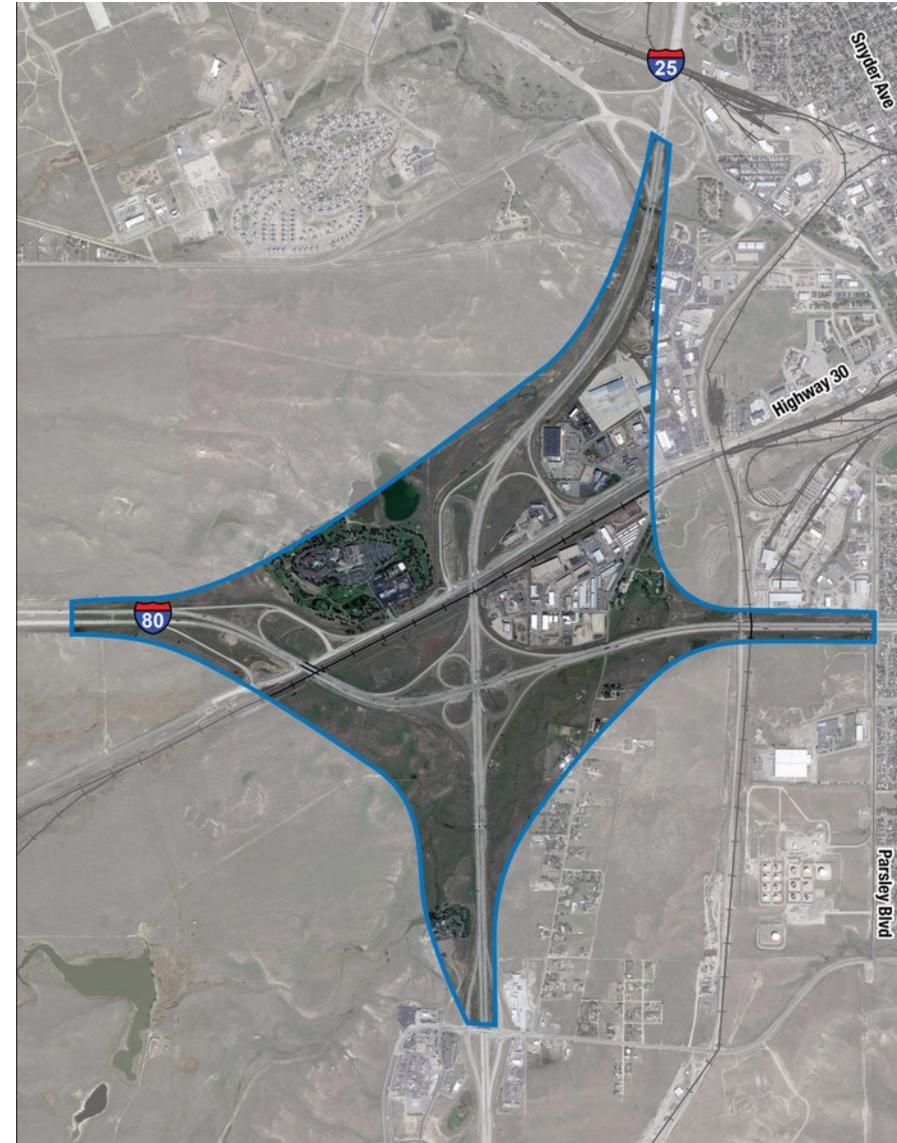
Other Notable Projects

Noteworthy projects around District 1



I-25/I-80 Interchange (Cheyenne)

- **Interchange Reconstruction**
- **WYDOT Received Federal RAISE Grant to Complete Design**
- **Construction is not currently funded**





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>