



# WYOMING'S TRANSPORTATION SYSTEM

Supporting the economy and connecting our communities.

STATE TRANSPORTATION IMPROVEMENT PROGRAM 2021-2026

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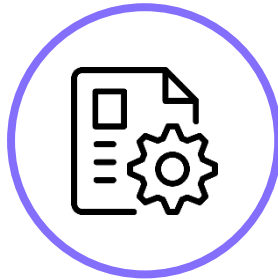
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# Purpose



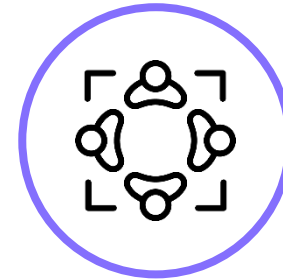
**Need public  
input**



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



**Overview of WYDOT**



**How can we work  
together?**



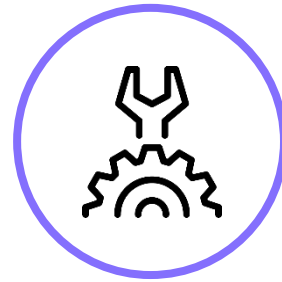
# Road Map



**WYDOT  
Funding**



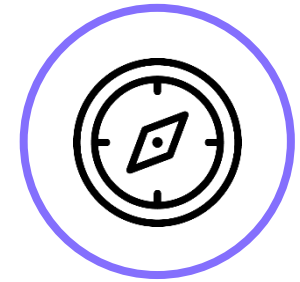
**STIP  
Development  
and Overview**



**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

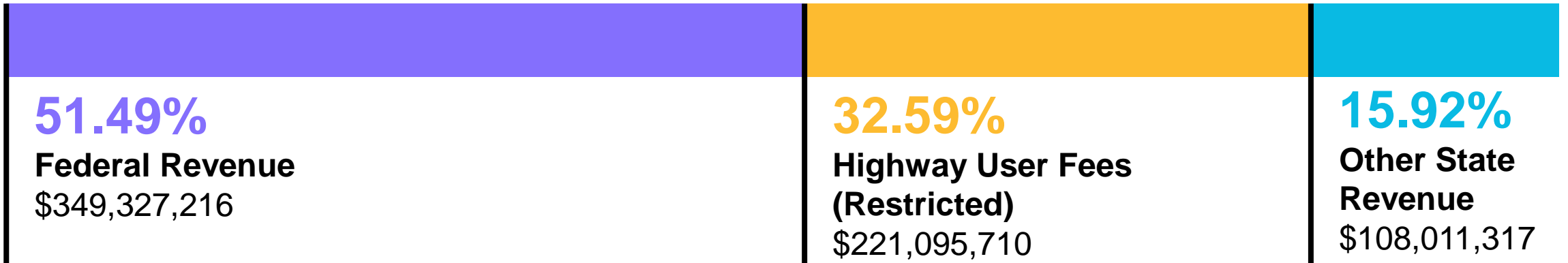
1. Align expenditures with available revenue amount and source
2. Focus on addressing identified critical life safety issues.
3. Prioritize WYDOT asset preservation based on condition of the asset to meet established goals (as appropriate)
4. Improve operational effectiveness and efficiency
5. Prioritize 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





# Fiscal Year 2020 – Funding Allocation

## Commission

84% - \$569,856,596

### Programs

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

## Legislative

16% - \$108,577,647

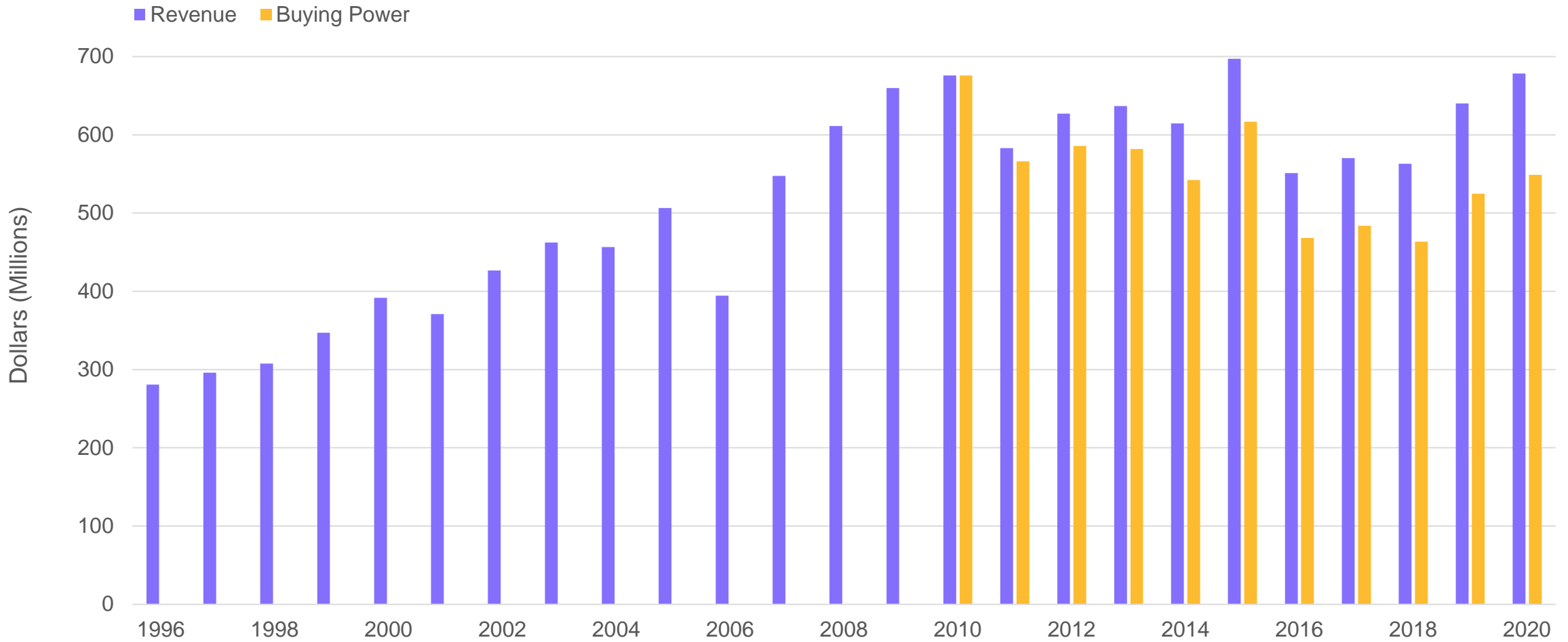
### Programs

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





# WYDOT Revenue & Buying Power





# Construction costs

Item	Units	2000 Bid Price	2005 Bid Price	2010 Bid Price	2013 Bid Price	2016 Bid Price	2019 Bid Price
Unclassified Excavation	CY	2.32	2.95	3.69	4.43	9.68	6.47
Hot Plant Mix	Ton	15.98	23.95	30.61	36.21	43.33	46.15
Asphalt Binder (PG 64-28)	Ton	235.83	284.21	605.23	612.54	438.94	545.07
Class B Concrete	CY	301.96	299.11	494.26	622.76	785.92	706.12
Reinforcing Steel	LB	0.59	1.05	0.81	1.43	1.34	1.59
Reinforcing Steel (Coated)	LB		1.10	0.92	1.38	1.29	1.65
24" CMP	FT		65.11	35.15	69.78	51.27	78.94
Corr Beam / MGS Guardrail	FT		20.26	17.04	19.85	22.23	25.19
Box Beam Guardrail	FT		31.32	31.25	36.51	41.96	56.90



# WYDOT Funding Discussion

## Ongoing Transportation Needs Study

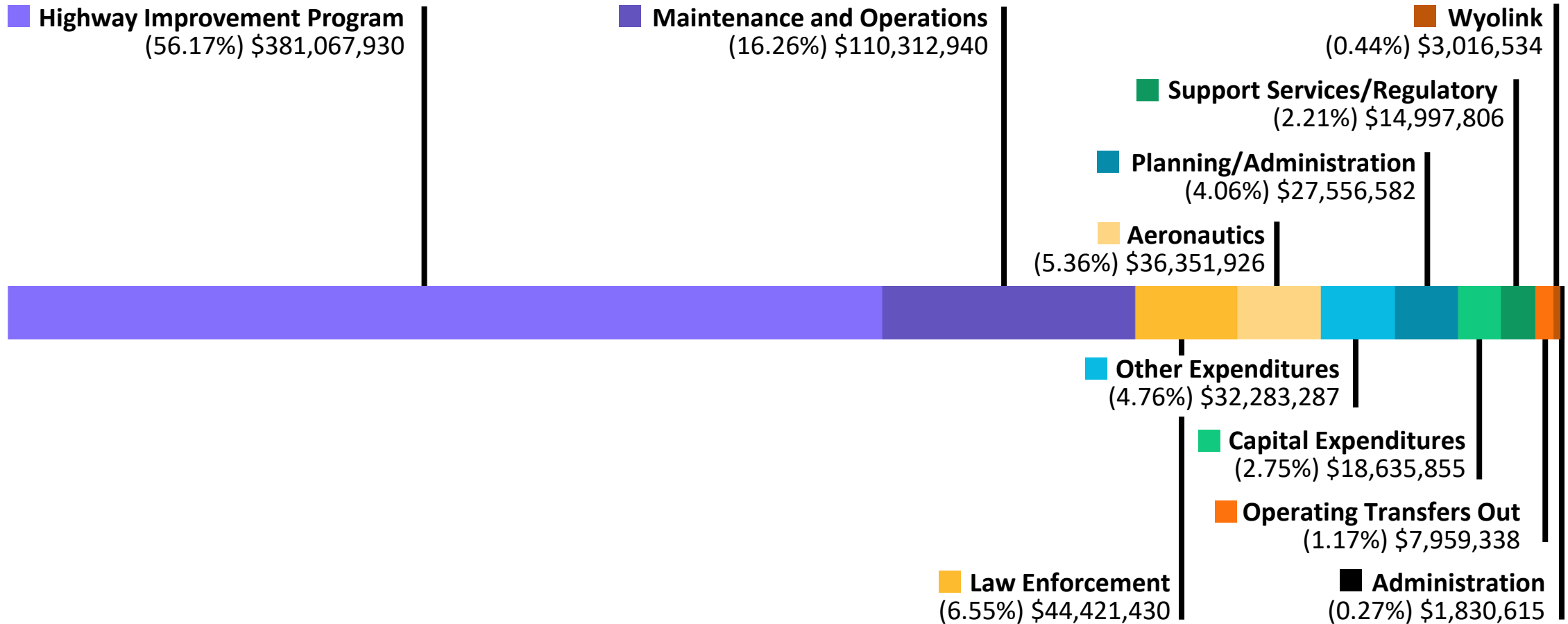
- Determine overall department needs
- Develop priorities
- Trade-off analysis

## COVID-19 Pandemic

- Reduced travel - highpoint was an approximate 40% reduction
- Reduced fuel tax income
  - FY 2020 - approximately \$11M
  - FY 2021 - approximately \$23M



# FY 2020 Expenditures





# 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 T<sup>2</sup> (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



# WYDOT Unfunded Operating Needs

Operating Need	Annual Cost
<b>Surface Transportation</b>	
Construction	\$69,000,000
Maintenance	\$3,395,000
<b>Revenue Information System (RIS)</b>	
Annual Maintenance	\$6,800,000
<b>Telecommunications</b>	\$650,000
<b>Airport Improvement Program</b>	\$11,962,000
<b>Fleet Equipment</b>	\$16,121,000
<b>Wyolink</b>	\$5,224,000
<b>BUILDINGS (Pending Results Of Third Party Building Assessment)</b>	
Construction	\$19,350,000
Rehabilitation/Remodel	\$2,150,000
Maintenance	\$927,500
<b>Total</b>	<b>\$135.6 M</b>



# 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



# 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.



# 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	0



# 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

## Other needs

- Mobility/Capacity
- Safety
- Wildlife
- Active Transportation
- Roadside Features
- ITS

## Balancing Our Funds



# Delayed Construction Projects

Project Number	Description	Cost	Notes	FY
I806212	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	2022
U212018	Cheyenne / College Drive / S Greeley to Fox Farm	\$18,684,126	Widen to 5-Lanes and overlay	2025
I252171	I-25 / Wheatland to Glendo	\$7,386,482	Reconstruction	2024
P242015	Shirley Rim to Casper / WY 487	\$15,157,455	Reconstruction	2026
N342047	Waltman to Shoshoni / US 20/26	\$7,523,112	Passing Lane	2022
N342048	Shoshoni to Thermopolis / US20 / WY 789	\$3,632,196	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

STIP Inputs

Candidate Projects

June - August

Public Input

September

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

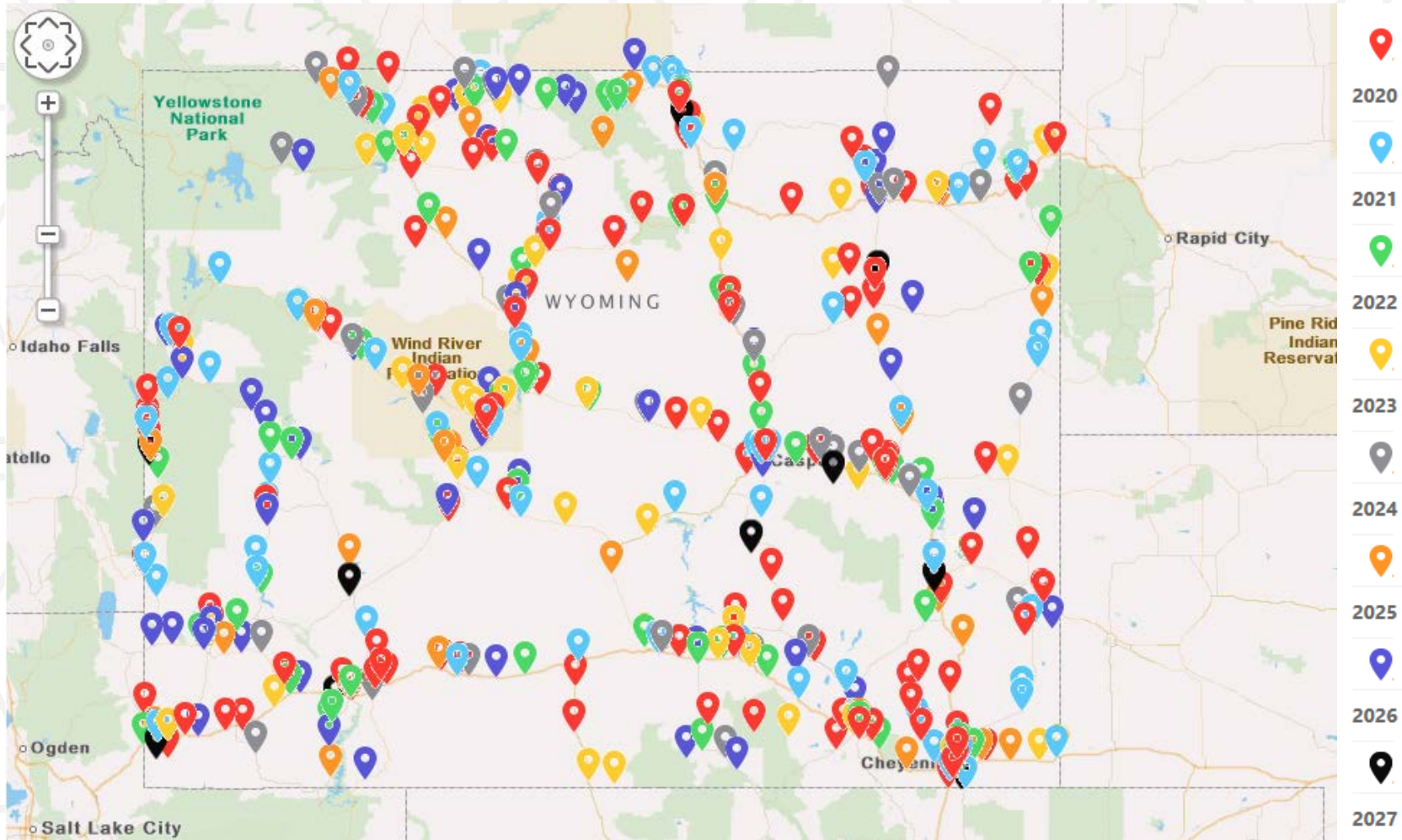
- Approves STIP
- Federal Highway Administration (FHWA) concurs in approval
- Federal Transit Authority concurs in approval

October 1<sup>st</sup>

Final STIP Published



# STIP Project Map





# Highway Project Process

## Planning Phase

- STIP Development
- Reconnaissance
- Survey Phase
- Public Input

## Design Phase

- Issuance of design plans
- Engineering Studies
- Final plans and specifications
- Public Meetings as appropriate

## Contract Phase

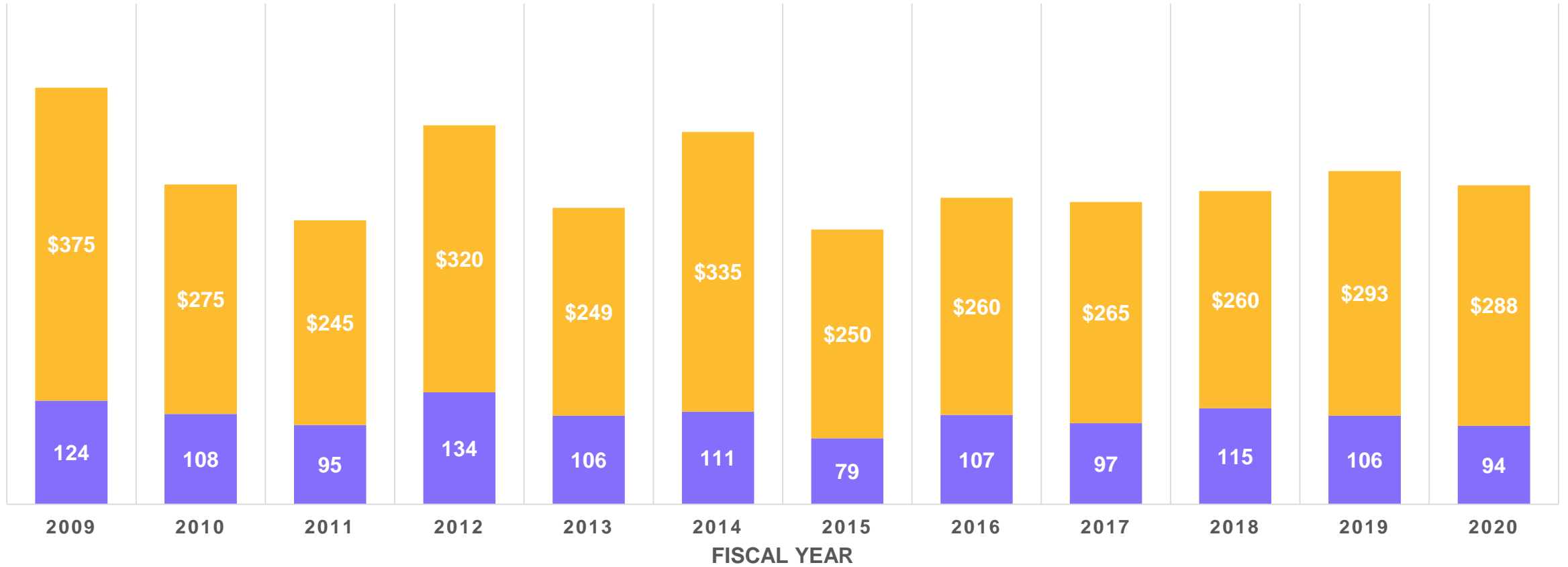
- Advertisement
- Public Bidding
- Award
- Construction
- Public Meetings as appropriate





# Number of Projects Let & Cost Per Fiscal Year

■ Number of Projects Let    ■ Cost Per Fiscal Year (Millions)





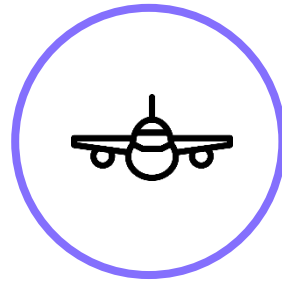
# STIP - What is in the document?



**Highway  
Projects – 6 Year  
Plan**



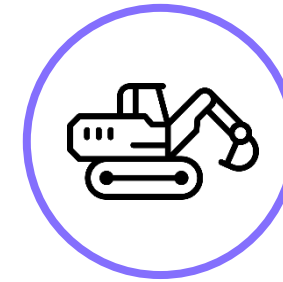
**Transit Projects**



**Aeronautic  
Projects**



**Public Safety  
Communications  
Commission  
(PSCC) Projects**



**Capital  
Construction  
Projects**



# STIP - What is in the document?

	Wyoming Department of Transportation 5300 Bishop Blvd Cheyenne, WY 82009	<b>STATE TRANSPORTATION IMPROVEMENT PROJECTS          ENGINEERING &amp; CONSTRUCTION</b>	WYCN002B
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## Natrona County

### Capital Improvement Projects

Fiscal Year: 2020

Trans Comm Dist	Project	General Location Detail Location	Begin RM	End RM	Length	Character of Work	Cost \$1,000						
							PE	CE	CON	TOTAL	FED	ST	OTH
7	CIP PEB2023	CASPER BUILDING 6347/CASPER MAINTENANCE SHOP	186.78	186.78		ROOF REPLACEMENT	100	0	560	660	0	660	0
7	PEB PEB2032	* CASPER BUILDING 6145/DISTRICT 2 OFFICE	186.79	186.79		SECURITY WALL DESIGN	8	0	0	8	0	8	0
7	PEB PEB2038	* WALTMAN SITE 6124	0.00	0.00		NEW FUEL STORAGE TANK	0	0	150	150	0	150	0
<b>FY TOTAL:</b>							<b>\$108</b>	<b>\$0</b>	<b>\$710</b>	<b>\$818</b>	<b>\$0</b>	<b>\$818</b>	<b>\$0</b>

### Communications Projects

Fiscal Year: 2020

Trans Comm Dist	Project	General Location Detail Location	Begin RM	End RM	Length	Character of Work	Cost \$1,000							
							PE	CE	CON	TOTAL	FED	ST	OTH	
7	STP WLNK008	ALCOVA SOUTHERN NATRONA COUNTY EAST OF ALCOVA RESERVOIR	0.00	0.00	0.00	SAFETY IMPROVEMENTS	0	0	1,000	1,000	905	95	0	
<b>FY TOTAL:</b>							<b>0.00</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,000</b>	<b>\$1,000</b>	<b>\$905</b>	<b>\$95</b>	<b>\$0</b>



# 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	Capital Improvement Projects	Communications Projects	Transit Projects	Aeronautics Projects	Total
Natrona	2020	\$36,283,000	\$818,000	\$1,000,000	\$391,000	\$12,682,000	\$51,174,000
	2021	\$33,533,000	\$0	\$0	\$0	\$1,313,000	\$34,846,000
	2022	\$23,647,000	\$0	\$0	\$0	\$2,540,000	\$26,187,000
	2023	\$20,527,000	\$0	\$0	\$0	\$1,563,000	\$22,090,000
	2024	\$34,555,000	\$0	\$0	\$0	\$3,736,000	\$38,291,000
	Future Year	\$15,661,000	\$0	\$0	\$0	\$0	\$15,661,000
	<b>Total</b>		<b>\$164,206,000</b>	<b>\$818,000</b>	<b>\$1,000,000</b>	<b>\$391,000</b>	<b>\$21,834,000</b>



# District 3 STIP 2020-2026

Peter Stinchcomb, District Construction Engineer

Randy Merritt, Interim District Engineer



# Current Local Projects

- Big Piney WYO 350 Overlay with ISO reconstruction
- Pinedale Pathway
- Bondurant Wyolink Tower
  
- Annual isolated locations
  - Crack seals
  - Chip seals
  - Contract patch





# Local Projects

- **2022**

- N132108 US 191 Daniel Junction  
North Rod Flats

- Mile marker 111 to 120
    - Mill, level and overlay

- **2025**

- N132109 US 191 County line North

- Mile marker 51 to 62
    - Level and overlay





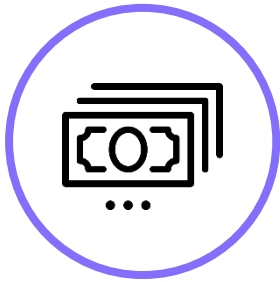
# Local Projects

- **2026**
  - ***US 189 LaBarge to Daniel***
    - Mile marker 102 to 113
    - Mill, level and overlay, wearing course and ADA improvements
  - ***N132111 US 191 Daniel Junction to Bondurant Green River section***
    - Mile marker 120 to 124
    - Right-of-way fence
  - ***N132112 US 191 Daniel Junction to Bondurant Sour Moose section***
    - Mile marker 131 to 136
    - Right-of-way fence
  - ***N132113 Pine Street***
    - Mile marker 98 to 100
    - Full depth reclamation overlay and wearing course, ADA improvements

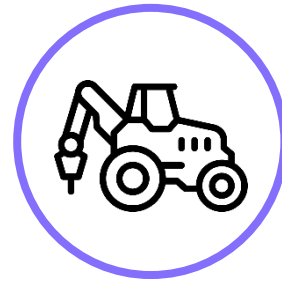




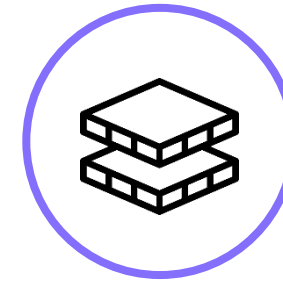
# Partnerships



**Funding  
Opportunities**



**Construction  
Partnerships**



**Supply  
Purchases**



# 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%



# 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%



# 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



# Partnerships – Construction



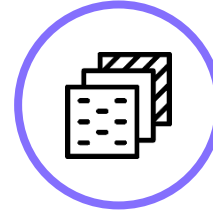
**Sand & Chemical  
Snow Melt**



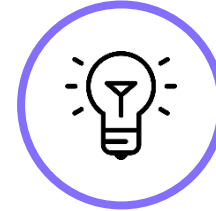
**Aggregate  
Stockpiles**



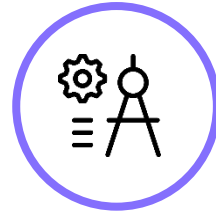
**Signs & Striping**



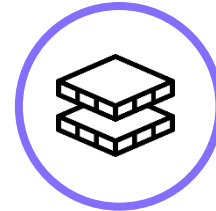
**Chip Seal**



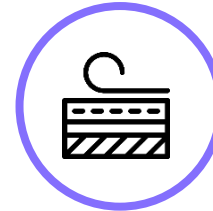
**Sidewalk &  
Lighting**



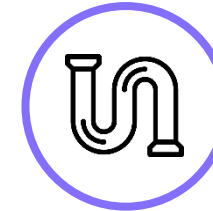
**Surveys &  
Environmental**



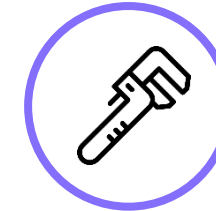
**Recycled Asphalt  
Pavement**



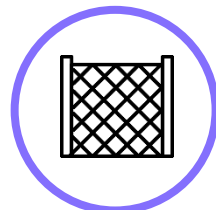
**Pavement**



**Water & Sanitary  
Sewer Line**



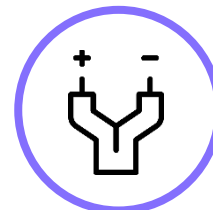
**Utility Upgrades**



**Fence**



**Turn Lanes**



**Conduit**



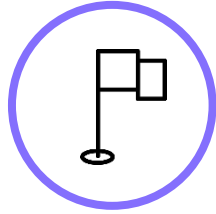
# Partnerships – Supply Purchases



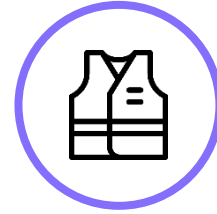
**Bulk Sodium Chloride**



**Crack Sealing Material**



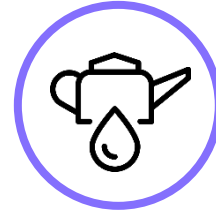
**Survey Stakes**



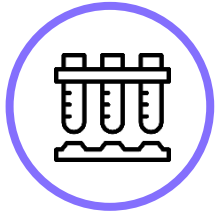
**Duty Jackets**



**Work Wear**



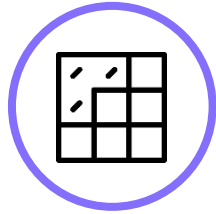
**Road Oil**



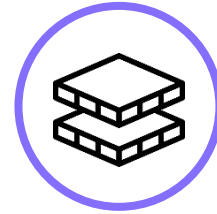
**Drug & Alcohol Testing Services**



**Solid & Liquid Anti-Icers**



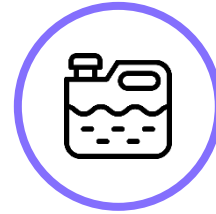
**Reflective Sheeting**



**Fabricated Steel**



**Propane**



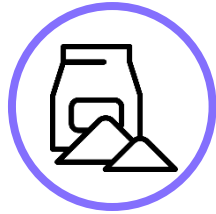
**Fuel (Gasoline & Diesel)**



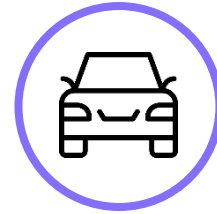
**Striping Paint**



**Paint Beads**



**Road Salt**



**Vehicles**



**Equipment**



# Local Government Coordination

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# How can we work together?



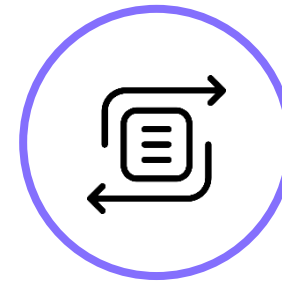
**Let us know what projects are planned in this area**



**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?**



**Road and highway funding**





# 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](http://www.wydotSTIPmeeting.com)



# WYOMING'S TRANSPORTATION SYSTEM

Supporting the economy and connecting our communities.

STATE TRANSPORTATION IMPROVEMENT PROGRAM 2021-2026