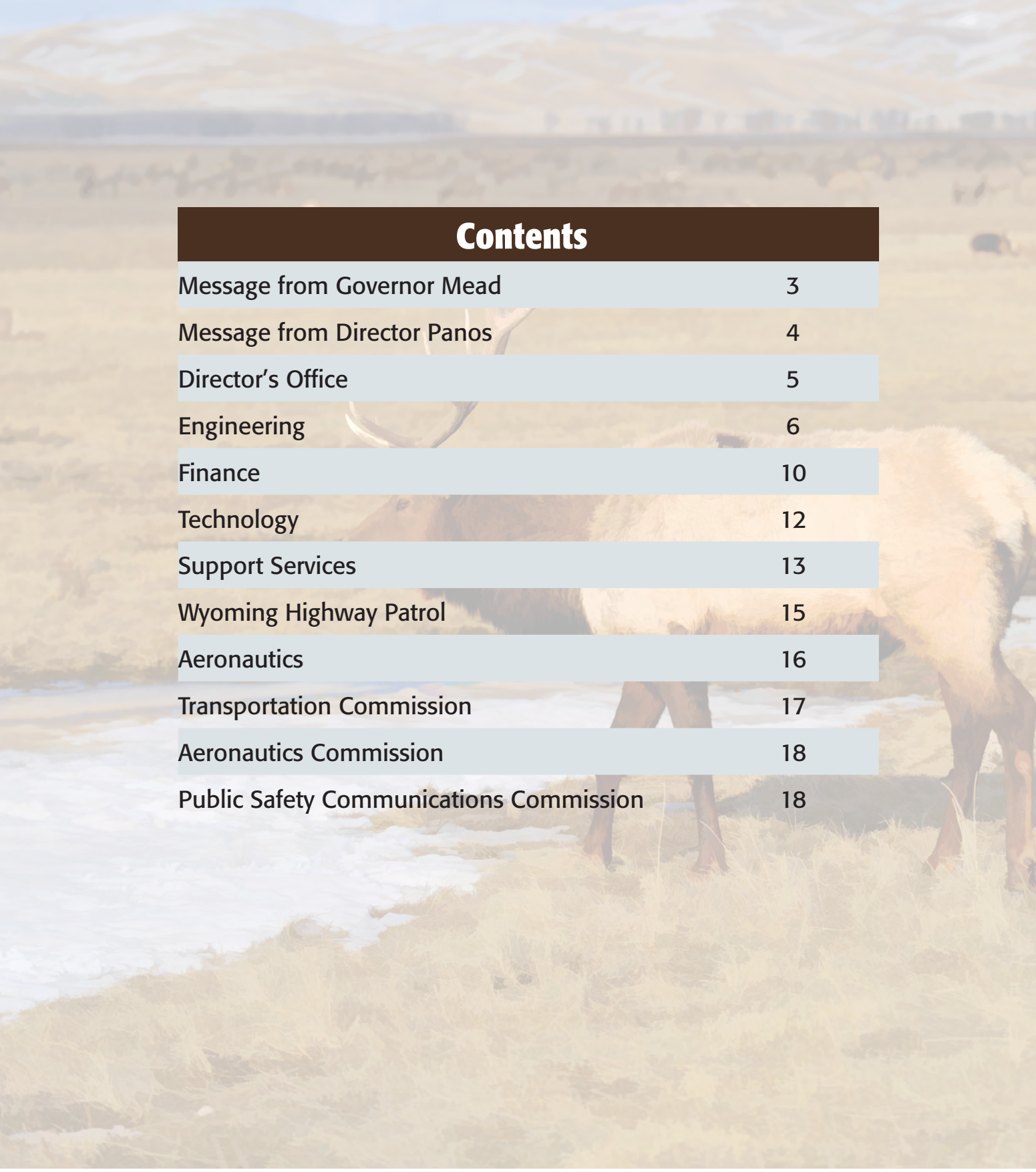
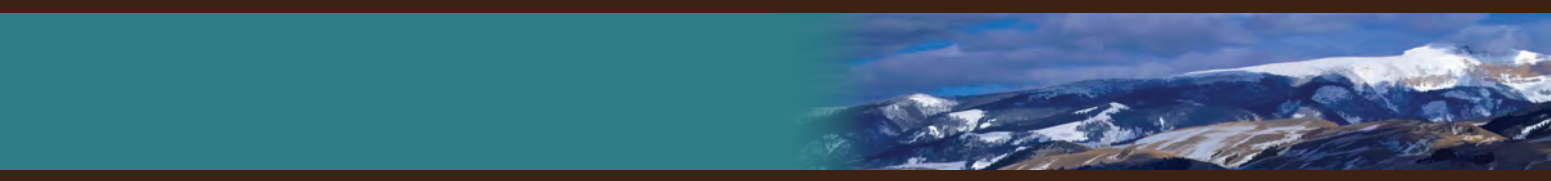


# WYOMING

DEPARTMENT OF TRANSPORTATION



2017 ANNUAL REPORT



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# Message from Governor Mead



*Governor Matthew H. Mead*



In 2017, the Wyoming Department of Transportation (WYDOT) turned 100, celebrating its anniversary around the state with employees, citizens, and stakeholders. Congratulations, WYDOT, on a century of service and many milestones ahead.

Our transportation system is vital to Wyoming. It is integral to our lives – from our daily work commute to vacation and business travel to keeping families and communities connected and commerce moving. It provides access to recreation opportunities and to the beautiful places in Wyoming that beckon. It is essential to our economy and to economic growth. I thank the men and women of WYDOT for all they do to maintain and improve this vital system.

WYDOT cares for over 6,800 miles of highways, including more than 900 miles of interstate. This is a multi-faceted undertaking that entails many services. It includes building, repairing, and maintaining these roads in all weather conditions. WYDOT's mission also includes enforcement of motor vehicle laws, accident investigation, and driver's license services. Aeronautics personnel oversee the state's airport improvement program, work to improve air service, and operate state-owned aircraft. Agency personnel work with communities to provide services relating to local transportation needs. WYDOT also reaches out to listen to Wyoming citizens and identify transportation needs and preferences.

Here are just a few examples of 2017 activities. Construction on the new North Sheridan interchange is one of WYDOT's largest projects. The Harney Street Overpass project in Laramie broke ground to replace the deteriorated older overpass; major work was initiated to improve I-80 between Lyman and Granger; the 511 interactive road condition map was updated on the WYDOT web page; and the State Transportation Improvement Plan was redesigned to make it more user-friendly.

Aeronautics, in partnership with state leadership and ENDOW, has been exploring an alternative and more efficient way of supporting commercial air service in the state through a public-private partnership and capacity purchase agreement. Aviation is important to Wyoming and represents a \$1.4 billion annual impact to the economy. Reliable, quality air service is requisite for citizens, businesses, and growth.

During 2017, in addition to patrolling Wyoming roadways and all the effort this entails, the Wyoming Highway Patrol (WHP) seized more than 5,300 pounds of raw marijuana, 284 pounds of THC edibles, and over 22 pounds of methamphetamine. The WHP located and safely recovered two victims of sex trafficking. The WHP dispatch center received and processed 218,000 events, including 3,500 Report Every Drunk Driver Immediately (REDDI) reports and 745 Safe2Tell tips.

It has been a privilege to work with the dedicated folks at WYDOT during my time as Governor. WYDOT employees handle emergency situations as well as the large volume of everyday work with skill, efficiency, and effectiveness. What a talented group of people and great resource for our state!

# Message from Director Panos



*Director William T. Panos*



Last year, I wrote to you about many changes underway or soon to begin. This year's Wyoming Department of Transportation (WYDOT) annual report (FY 2017) reflects progress with these initiatives, which will help ensure that WYDOT continues as a world-class transportation organization.

We celebrated a key milestone in 2017: WYDOT's 100th anniversary. The agency marked this significant occurrence with commemorative events throughout the state—where distinctive 100th anniversary license plates were distributed to current and past employees—and with new website designs and special publications.

While honoring our past, WYDOT is also embracing the future. The agency continued its innovative connected vehicle study, upgraded its 511 and mobile app capabilities, and integrated the Public Safety Communications Commission (which oversees the WyoLink system) into the agency.

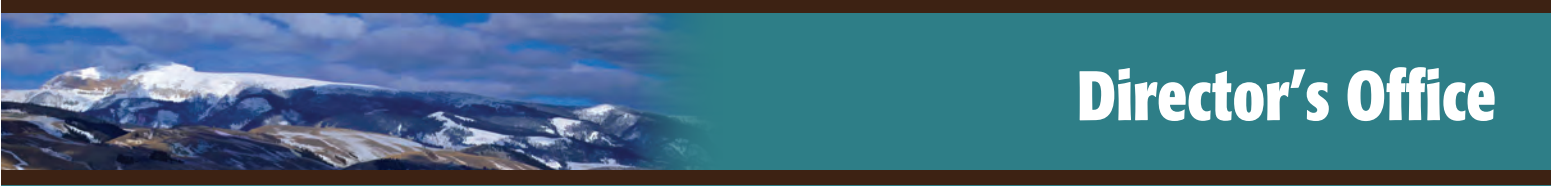
In August, WYDOT successfully collaborated with other agencies to provide traffic control and communications for the total solar eclipse, the largest traffic event in Wyoming history.

A primary goal remains “telling our story” to Wyoming's citizens, legislators, and others. As an agency, we constantly look for avenues to illustrate our transportation vision, our employee successes, and our needs and challenges. Significantly, I had the opportunity this year to testify twice before the United States Senate Committee on Environment and Public Works on Wyoming transportation issues. Despite our state's small population and rural location, our voice is being heard. The data, narrative, and pictures contained in this report are another way that we are accomplishing this objective.

I want to take this opportunity to thank the men and women of the Department and our three Commissions for their ongoing commitment and hard work as we note past achievement and prepare for an even brighter future.

Overall, 2017 was another great year at WYDOT, thanks to the efforts of our employees and the support of the Wyoming citizens we serve. Details about our many successes are described in the following pages.

Entering our second century as a public service agency, we look forward to serving the needs of our great state and forging new and creative ways to meet our ever-challenging mission of providing a safe, high-quality, and efficient transportation system to the people of our state and connecting to the world beyond.



The **Director** of the Wyoming Department of Transportation (WYDOT) guides the Department's employees in the many tasks needed to accomplish goals. In addition to WYDOT's 6 divisions, the Director guides the following:

The **Civil Rights Program** provides policy development and oversight for Title VI, prevailing wage provisions, the Americans with Disabilities Act (ADA), internal and external Equal Employment Opportunity (EEO) requirements, the Disadvantaged Business Enterprise (DBE) program, and the federal contractor compliance program.

Working closely with the chief engineer, Civil Rights continues work to move ADA to the forefront of WYDOT's design and planning discussions and to ensure WYDOT's compliance with required regulation and policy.

WYDOT exceeded its annual DBE goal of 4.55 percent with participation around 6.50 percent.

**Internal Review (IR)** provides WYDOT management with critical compliance, risk mitigation, operational improvements, internal controls, accountability, and operational efficiency and effectiveness information. FY 2017 reviews included the Employee Relief Fund, WyoLink, statewide cash funds, consultant projects, and the 2016 WASHTO Conference. IR audited WYDOT's payroll loading and equipment rates to receive federal reimbursement and reviewed local entity audit reports to ensure federal regulatory compliance.

The **Management Services Program** oversees development of WYDOT policies and rules and regulations; monitors federal transportation and appropriations legislation, regulating developments, and implementation procedures for impact to Wyoming; researches, writes, edits, and publishes WYDOT manuals and reports; and assists executive staff, Congressional staff, and the Wyoming Legislature with research and other matters.

In FY 2017, program staff assisted in preparing testimony given by Director Panos at 2 Senate Committee on Environment and Public Works infrastructure hearings. Management Services also prepared federal docket comments and other materials on various regulatory issues and helped formulate joint filings with other rural western states. Program staff collaborated with other agencies and programs to prepare several federal discretionary grant applications.

Management Services promulgated 3 rules and reviewed, edited, and published 1 department policy, 6 operating policies, and 15 personnel procedures.

Additionally, program staff compiled, designed, and edited information for the Department's transportation fact book and produced the WYDOT annual report.

The **Public Affairs Office (PAO)** communicated a variety of highway safety and transportation issues for WYDOT using social media, video production, public service announcements, news releases, web, print publications, and media interviews.

The PAO created a special 100th anniversary publication for WYDOT chronicling its history. PAO worked with the WYDOT districts and programs and other agencies to prepare for the August solar eclipse. The program sent daily news releases providing information on safe viewing and travel and worked with the Governor's Office to provide daily traffic counts.

PAO worked with WYDOT Information Technology to launch a redesigned website in 2017, providing a fresh look and feel.

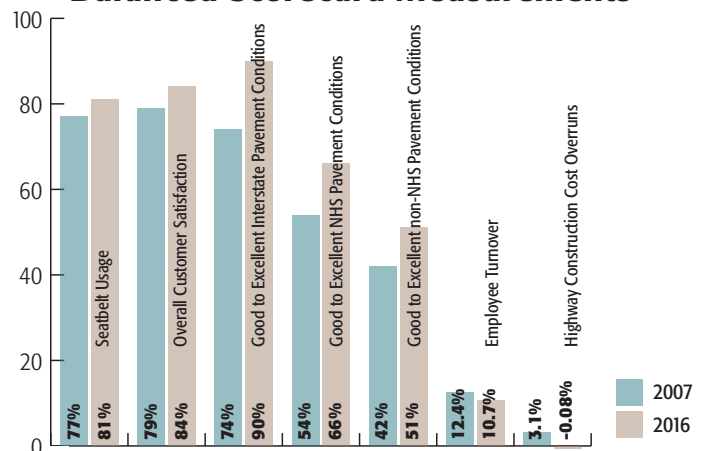
The program also worked with executive staff to keep the public informed about road projects, road conditions, and other vital travel information through news releases and the website. PAO publications included the monthly *Interchange* magazine, the *Wyoming Road Work Guide*, the 2017 state highway map, the safety calendar, posters, information graphics, information brochures, and 52 weekly video news releases – *the WYDOT Report* – to help keep the public informed.

The **Strategic Performance Improvement Program (SPIP)** continued to build a WYDOT culture focused on strategic planning and performance management that aligns WYDOT goals with the Governor's initiatives using the balanced scorecard (BSC) methodology. Next year, this program, with additional duties, will report directly to the chief engineer.

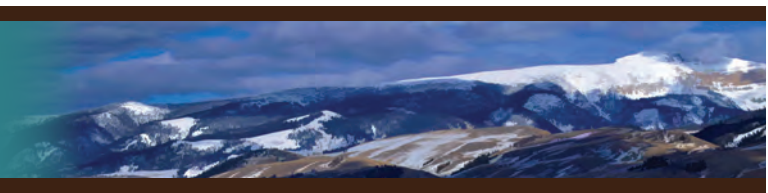
In FY 2017, SPIP completed an evaluation of agency performance over the program's 10-year history; completed 22 strategic plans for districts and programs; and worked with the University of Wyoming to complete the overall customer satisfaction survey.

Agency and program BSCs and survey results are located online at [http://www.dot.state.wy.us/home/administration/strategic\\_performance.html](http://www.dot.state.wy.us/home/administration/strategic_performance.html).

### Balanced Scorecard Measurements







The Department's **Chief Engineer** oversees the Assistant Chief Engineer, Engineering and Planning, and the Assistant Chief Engineer, Operations.

## Engineering and Planning

The **Assistant Chief Engineer, Engineering and Planning** Division, is charged with planning, designing, acquiring land, testing materials and pavements, letting contracts, and working with local entities for various bridge, roadway, and other transportation projects.

The **Bridge Program** let a record \$53.8 million of work to contract in FY 2017, including 12 bridge replacements, 2 widenings, 89 rehabilitations, 8 new box culverts, and 5 retaining walls. Program staff completed 2,135 routine, 57 fracture-critical, and 7 damage inspections as well as inspecting 61 overhead sign structures, 113 High Mast Light Towers, and 11 tunnels.

The program also converted bridge and structure data to electronic format and has 3 active research projects through the Research Advisory Committee.

In FY 2017, **Contracts and Estimates** oversaw the awarding of 151 highway and other contracts—including 81 to in-state bidders, worth \$273.9 million. The cumulative difference between engineer's estimates and contract costs was less than 0.3 percent (under \$1 million for the \$273.9 million total). Projects averaged 3.6 bidders. Ongoing improvements to web-based bidding software streamlined reporting, FHWA reviews, and document storage.

The **Geology Program** completed 13 drilling investigations, 8 slope inclinometer tube installations, 16 remediation contracts, and 8 remediation project designs responding to 28 landslides during 2017.

Geology increased the number of projects and drilling footage from last year, assisting on 22 district construction projects and drilling 536 test holes totaling 10,711 feet for subsurface investigations. The geotechnical foundation lab tested 886 soil samples, 143 specific soil tests, and 48 geotextile samples. The program completed 6 seismic refraction lines totaling 660 feet.

**Highway Development Program** design teams completed 98 highway projects worth \$274 million.

Project Development conducted 4 value engineering studies, resulting in a \$4.7 million cost savings.

The Standards Section managed the

design phase and provided construction support on the Department's major architectural projects, including remodeling the existing Sundance office and preliminary design work for a new transportation complex in Buffalo.

The Consultant Services Unit issued 25 new consultant contracts totaling \$5.3 million.

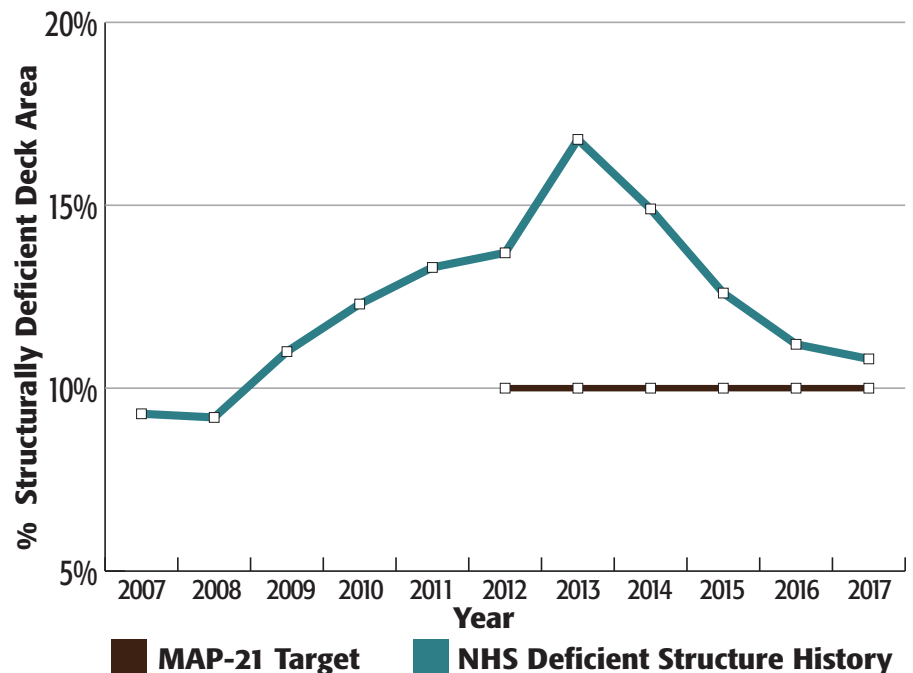
The Utilities Section worked on 137 projects and processed over 400 utility licenses. Efforts continue to complete an online permitting system for utility companies and a GIS map of facilities.

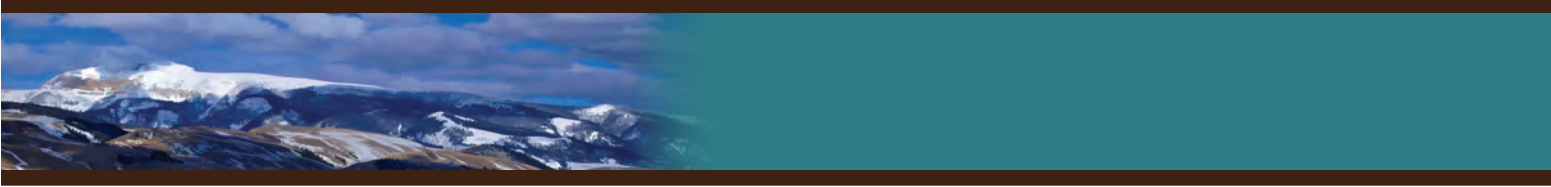
Photogrammetry and Surveys assisted Homeland Security with aerial imagery of the Big Horn River during the ice jams that caused flooding in Worland. Survey crews collected survey data on 8 urban projects, 11 rural projects, 7 bridge projects, 7 landslides, and 3 pits or quarries.

The **Highway Project Delivery Program** provided project management support for 54 future projects valued at \$190 million in addition to current year projects. At-risk projects (projects 50 or more days behind schedule) declined by 17 percent. The program hosted or supported 186 meetings for various projects, supported the IT program in selecting new reporting software, and worked with the director on 7 special projects.

The **Materials Program** provides materials, engineering, and testing services to WYDOT. The agency's Pavement Management System continues to produce highway condition projections for all pavements across the state and, in 2017, included 3 dimensional automated crack detection across non-NHS routes.

**Bridge Conditions – NHS Structurally Deficient History**





The program designs and uses cost effective treatments (such as recycled materials, heater scarification, warm mix asphalt, double chip seals, and high performance wearing courses) and also researches and tests ways to quickly and accurately evaluate aggregate used for concrete.

The **Planning Program** performed support duties in 2017 in 4 major areas.

**Environmental Services (ES)** facilitated 12 wetlands permits, met with the Corps of Engineers on release approval of 15 WYDOT wetland sites, and repaired 9 existing wetland sites.

Cultural Resources performed tribal scoping and consultation with 20 Native American tribes for the Devils Tower Congestion Improvements project and consulted with the Wyoming State Historic Preservation Office on 59 projects.

ES wildlife staff co-hosted the International Conference on Ecology and Transportation in Salt Lake City with Utah DOT and participated in the Wildlife Roadway Summit in Pinedale in April.

ES prepared environmental clearances on 76 projects.

**Programming** continued working on mapping, asset management, and the Statewide Transportation Improvement Program (STIP), including its reorganization by county.

The Research Center continued to produce high benefit and award-winning research.

**Local Government Coordination (LGC)** continued to act as WYDOT's liaison with Wyoming County Commissioners Association, Wyoming Association of Municipalities, and local public agencies—administering federal and state transportation and public transit programs. LGC also worked with the State Land and Investment Board (SLIB) on guidance for transportation projects in the Mineral Royalties Grant and Transportation Enterprise Fund programs.

LGC awarded 11 TAP projects totaling \$2.4 million; 9 Congestion Mitigation and Air Quality projects for \$2 million; 4 High Risk Rural Road Projects for approximately \$372,000; and 70 transit projects. The cooperative agreement coordinator received 36 project requests totaling \$29.1 million.

**Systems Planning** administered funding, studies, and related functions for the metropolitan planning organizations and urban systems program and assisted with planning studies in 4 communities. Studies are ongoing in 3 other communities and on the Interstate 80 corridor. Systems Planning conducted field assessments for various rail projects, including ongoing quiet zone projects in

Fort Laramie, Glendo, and Lingle. Transportation Surveys continued adding traffic data to AgileAssets for city streets and county roads and updating traffic counts on rural bridges.

The **Right-of-Way Program** acquired 208 landowner parcels for 31 projects in FY 2017.

The land surveyor managed 10 surveys to final completion, generating consulting fees of nearly \$300,000.

Right-of-Way relocated 12 WYDOT employees, disposed of 9 land parcels for \$171,502, and generated \$9,281 from lease activities. The office processed 17 new outdoor advertising permits and revoked 59, bringing the total to 2,189 permitted signs. The program oversaw 38 telecom tower leases and monitors 55 junkyard sites.

## Operations

The **Assistant Chief Engineer, Operations** Division's programs provide vital, day-to-day service and support that WYDOT's executive staff and other programs require to fulfill their duties and provide services to address safety issues and precautions for the public. This includes oversight of the 5 districts, Employee Safety, Traffic, and the sections comprising the Field Operations Program.

**District 1** oversaw projects worth \$51.7 million. Notable initiatives included the Harney Street overpass in Laramie and the Pine Bluffs Marginal.

Maintenance crews worked thousands of hours during the snow season, including a record storm in late May that closed I-80 for 36 hours. Crews opened mountain roads on schedule in the spring.

District Traffic approved 31 permits and currently has 259 Adopt-a-Highway participants and 2 Sponsor-a-Highway participants.

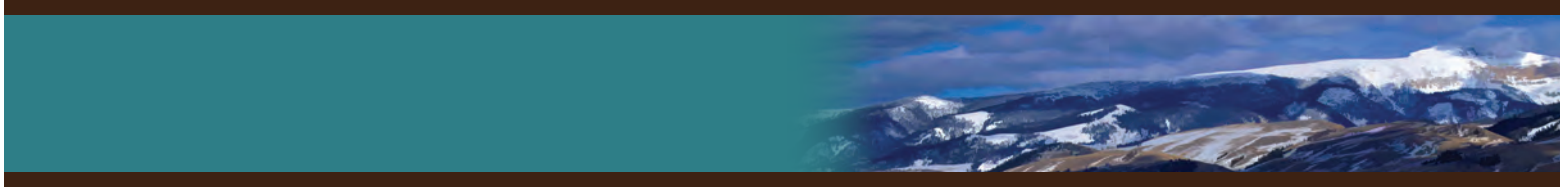
**District 2** had 26 contracts totaling \$44.9 million, including the addition of WY 59 passing lanes; street work in Torrington, Casper, and Douglas; and bridge repairs. The striping crews completed 4,202 pass miles of striping.

Equipment technicians performed 1,916 preventive maintenance inspections and serviced 823 pieces of equipment.

**District 3** maintenance crews battled the most active avalanche season on record with more than 50 significant avalanches in the Jackson area.

The Traffic Section extended the 80 mile per hour speed limit zone on Interstate 80 from Red Desert to Creston and assisted with nighttime speed studies in 6 locations.

Equipment continues to work towards efficiency and cost reduction. District 3 received approval to purchase an



asphalt recycler to aid in maintenance operations.

**District 4** awarded 13 projects including the North Sheridan Interchange project.

Maintenance crews placed 36,200 tons of hot mix asphalt. In-house asphalt production saved \$77,000.

Traffic continues research on updating the Grade Se-

verity Rating System for analyzing Wyoming mountain passes and truck braking ability to reduce future crashes and fatalities. Traffic is working to upgrade the detection mechanisms on traffic signals throughout the district.

**District 5** awarded 29 construction projects totaling \$54.7 million in FY 2017, including bridge rehabilitation and other projects to maintain district highways and extend serviceability.

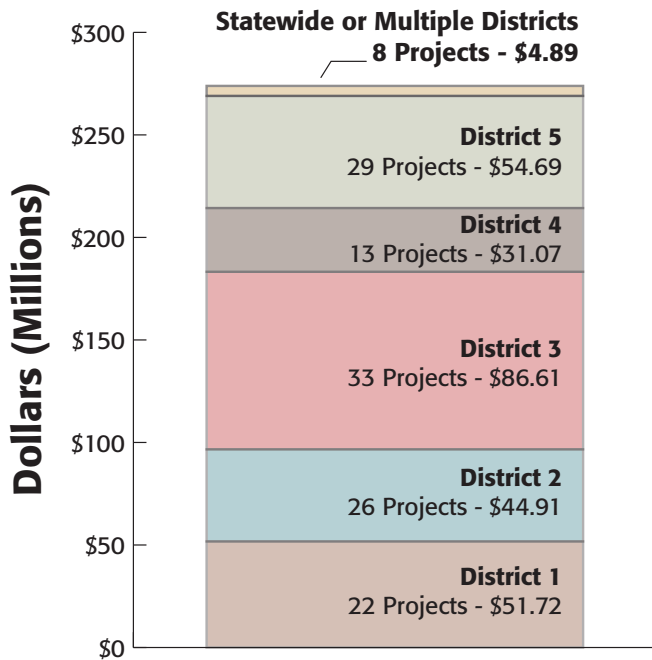
Maintenance staff placed 15,614 tons of hot mix asphalt and performed over 100 miles of chip seal. Crews helped mitigate landslide and flooding impacts, especially from the spring ice jams on the Big Horn River that required structure monitoring to detect and prevent bridge damage.

District 5 personnel employed advanced technology, improved equipment, and refined practices to address winter storm response and minimize public impacts. Electrical and sign crews made traffic signal and sign improvements around Cody to enhance safety. Traffic personnel evaluated further highway sections for 70 miles per hour speed limit designation. District forces also installed new wildlife corridor nighttime speed limit signs between Cody and Yellowstone National Park.

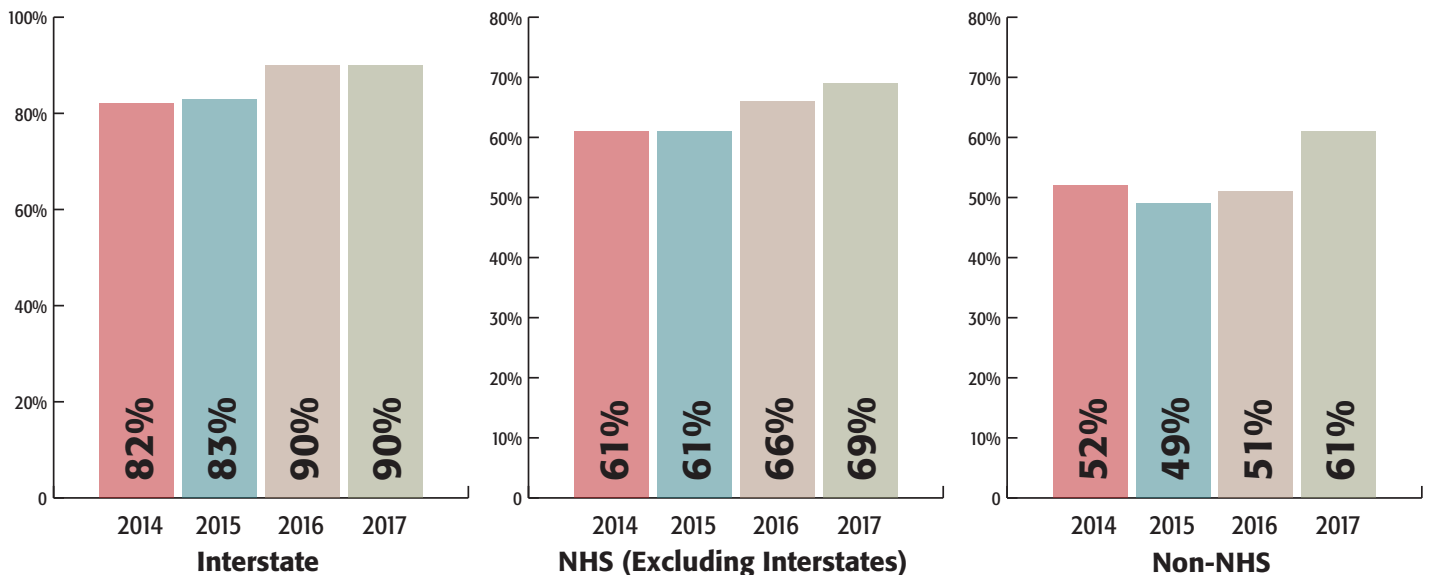
**Construction** staff worked with contractors, WYDOT districts and programs, the Wyoming Contractors Association, and other agencies to increase efficiency. As part of this effort, FY 2017 brought contract administration enhancements to the Construction Management System to reduce field reporting efforts and eliminate human error.

### Construction Contracts Awarded in 2017

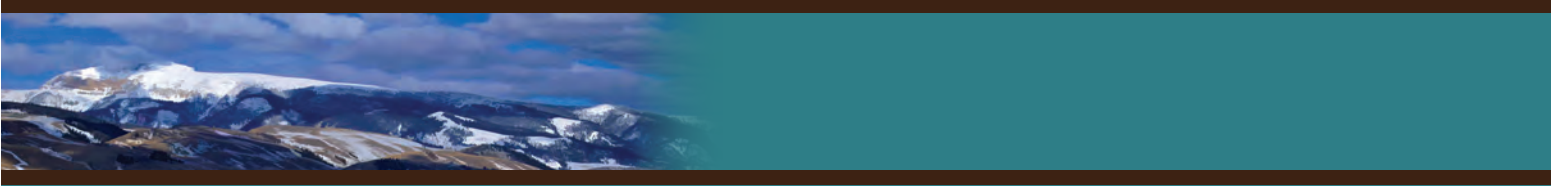
131 Projects – \$273.89 Million total



### Percentage of Roads in Good to Excellent Condition







**Maintenance** completed first-round building assessments for the new facility rating system and distributed statewide summary reports. Maintenance personnel continue to work with the districts on winter equipment and operational efficiency measures. Vocational trainers provided over 10,000 hours of on-site equipment training, statewide CDL testing, and new OSHA-required digger derrick training. Maintenance also continues to partner with other agencies on environmental, wildlife, and emergency management issues.

**Equipment** purchases and maintains all WYDOT vehicles and equipment. In FY 2017, this group purchased 185 pieces of equipment for \$7.4 million, including 12 wheel loaders, 3 motor graders, 1 dozer, and 2 backhoes purchased through the guaranteed buyback program, which generated \$2.4 million in revenue to offset equipment purchase costs.

**Facilities Management** completed 3,563 preventive maintenance tickets, 794 call-in service requests, and 374 project tickets.

Significant projects included work at the Southeast Welcome Center; electrical upgrades in the Resident Engineer's building; and renovations for Fuel Tax, Highway Patrol, and Telecommunications.

Design projects included the headquarters remodel, WYDOT University basement, and maintenance shop roof replacement.

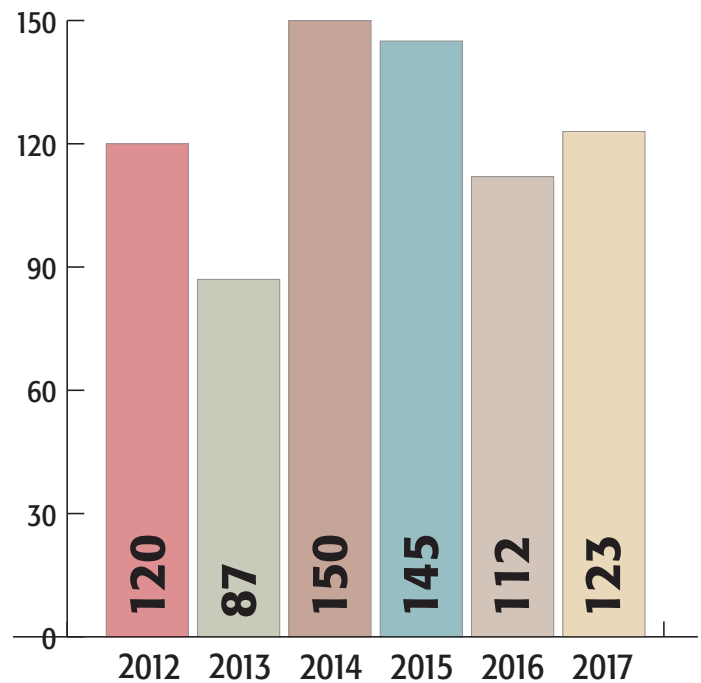
In FY 2017, the **Employee Safety Program** began collaborating with Public Affairs to redesign the employee safety website and to create an awareness training video on confined spaces starring WYDOT employees. The program also worked with Training Services on an upgrade to the WYDOT E-Learning Library (WELL) to incorporate safety videos.

The **Highway Safety Program's** Behavioral Grants Section worked with traffic safety partners to expand Students Against Destructive Decisions (SADD) statewide and to form a student leadership council. Collaboration continued with the Attorney General's office on 24/7 sobriety programs in 8 counties. Multi-agency, high visibility traffic enforcement campaigns increased around the state, and baseline seatbelt usage increased 4.3 percent to 84.8 percent.

The Data Records Section developed a safety portal to analyze crash data and the Wyoming Integrated Geo-Locating System to improve accuracy of locating crashes.

A total of 15 motorcycle safety training coaches, including 2 new coaches, trained 810 students at 8 sites statewide.

## Wyoming Traffic Fatalities



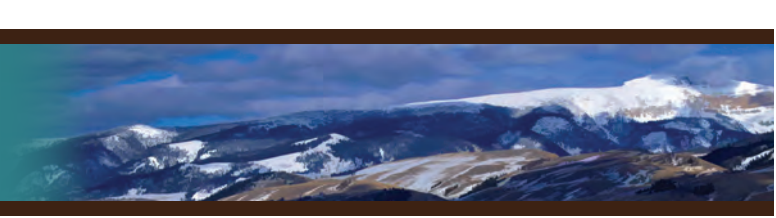
The **Traffic Program's** Electrical Operations Section upgraded Wavetronix detection technology statewide. The section also selected new traffic signal and asset management software.

The Electrical Design Section upgraded traffic signal detection and communication in several communities. Plans were completed for high mast lighting, dynamic messaging signs, variable speed limit signs, an ice detection system, and other lighting and signal projects at various locations around the state.

Signing and Traffic Control Design completed 110 projects for bid that contained permanent signing or work zone traffic control.

The Geometrics and Markings Section provided capacity analysis and striping details for numerous projects and executed purchasing contracts for 334,655 gallons of paint and 2.8 million pounds of glass beads for highway striping operations.

The Studies Section collected turning movement counts at 76 intersections statewide, while the Sign Shop fabricated 8,675 signs.



The **Chief Financial Officer (CFO)** oversees all fiscal matters in the Department. These functions include all federal and state monies, contract payments, payroll, requisitions, and short- and long-term financial planning.

The **Budget Program** coordinated and compiled the agency's FY 2018 operating budget, including abandoned mine lands (AML) funds appropriated to WYDOT by the legislature to replace general funds and federal mineral royalties.

Budget personnel held "Build Your Own Budget" training sessions to assist WYDOT programs with their FY 2018 budgets. The program also updated the annual budget presentation, providing detailed operating budget information and maintaining transparent reporting.

The Projects Section worked with the Federal Highway Administration (FHWA) and WYDOT programs to manage new Fixing America's Surface Transportation (FAST) Act requirements. WYDOT obligated all funding available under this bill. Projects personnel also worked with WYDOT programs to budget grants and authorize reimbursements.

Budget staff assisted internal and external auditors and reported data to the state, FHWA, and the federal Office of Management and Budget. Wyoming remained a leader in the nation regarding low inactive obligations with FHWA on currently budgeted projects.

The **Financial Services Program** provides WYDOT and external stakeholders with accurate, timely financial information. Financial Services prepares financial statements that report the full cost of preserving and improving Wyoming's transportation systems.

WYDOT and Financial Services received an unmodified audit opinion on agency financial statements for the fiscal year ended September 30, 2016.

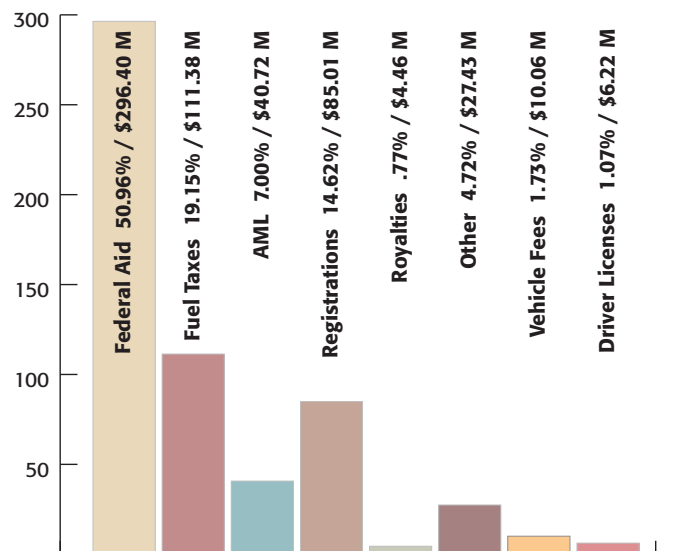
Financial Services accounted for and reported on FY 2017 revenue of \$589.9 million; expenditures of \$565.3 million; \$5.7 billion in highway, bridge, and communication infrastructure assets; \$192.8 million in capital assets; and \$32.5 million in inventories.

The **Fuel Tax Administration (FTA) Program** administers the motor fuel taxes of Wyoming. The program is dedicated to providing assurance that the state receives all fuel tax revenue to which it is legally entitled for preserving and enhancing the state transportation system.

In FY 2017, the **Procurement Services Program** solicited 367 competitive bids for purchasing equipment, materials, supplies, and services; issued 2,833 purchase orders totaling \$58.7 million; issued 101 blanket purchase orders for \$5.7 million; and brought in \$453,276.92 in revenue by selling surplus property.

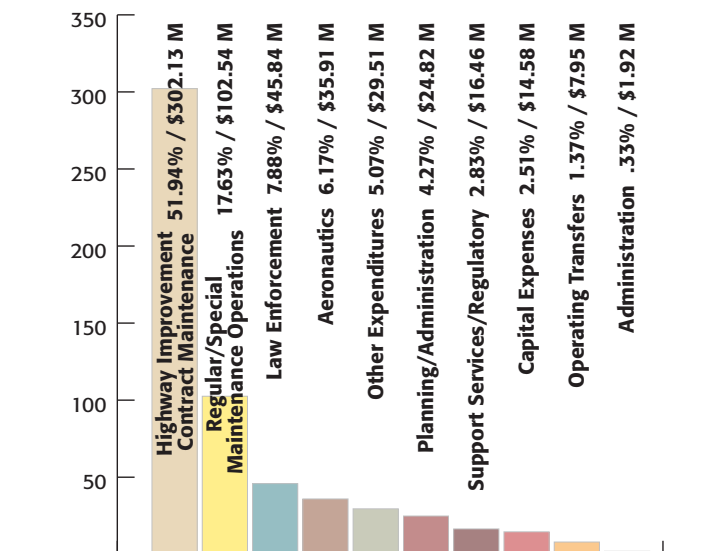
## Anticipated Revenue Sources October 2017 - September 2018

Anticipated Revenue Total: \$581.7 M  
(Rounded to the nearest 100 K)



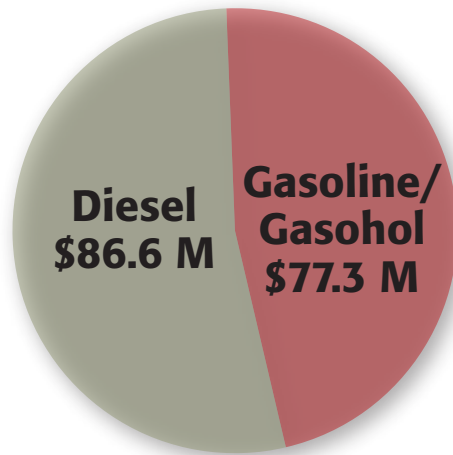
## Anticipated Allocation of Revenue Sources October 2017 - September 2018

Anticipated Allocation of Revenue Total: \$581.66 M  
(Rounded to the nearest 100 K)





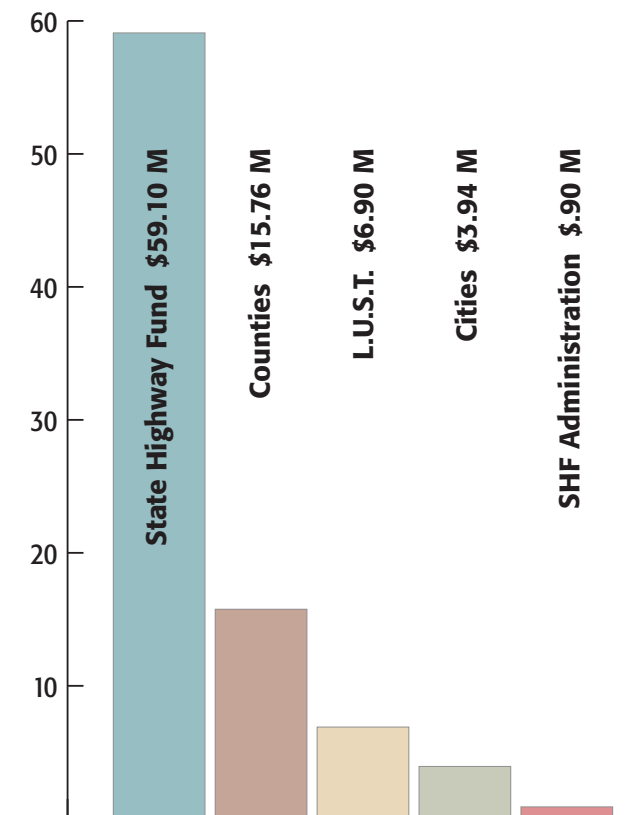
## Anticipated Tax Receipts Motor Fuel Fiscal Year 2018



Tax receipts include all motor fuels. Fuel consumption is limited to highway use, leaking underground storage tanks (L.U.S.T.), off-road use, and refunds to other jurisdictions are not included.

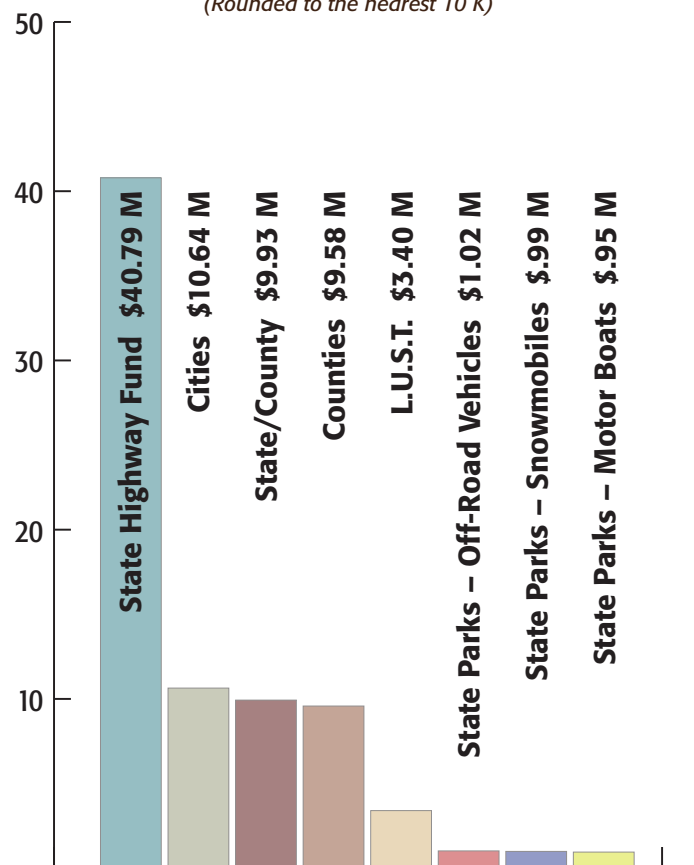
### Diesel Tax – Projected Fiscal Year 2018

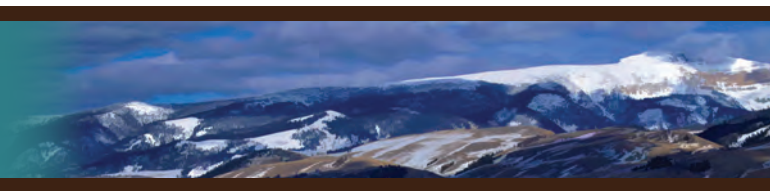
Projected Motor Fuel Collections Diesel Tax  
Total: \$86.6 M  
(Rounded to the nearest 10 K)



### Gasoline Tax – Projected Fiscal Year 2018

Projected Motor Fuel Collections Gasoline Tax  
Total: \$77.3 M  
(Rounded to the nearest 10 K)





WYDOT's **Chief Technology Officer (CTO)** administers all information technology, telecommunications, and GIS/ITS services provided inside the Department and to the public. The CTO furthers an integrated and unified approach to the agency's technological vision for the future and oversees systems supporting inter-agency operability. This division expects continued growth in the decades ahead, especially in the areas of vehicle to vehicle technologies, autonomous passenger or freight vehicles, and smart highways.

The **GIS-ITS Program** entered its second phase of the Interstate 80 Connected Vehicle Pilot Project. Phase II included installing onboard communication devices in 100 WYDOT vehicles and 75 roadside units (RSUs) in and around the I-80 corridor. A demonstration held in Cheyenne illustrated how WYDOT vehicles communicate with each other and the RSUs during potential forward collisions, distress and construction zone notifications, and weather warnings.

The program also added new layers to its 511 Map showing alternative fuel sites; National Weather Service radar, watches, warnings, and advisories; and color coded road conditions. During the August 2017 total eclipse event, the map also included special eclipse-related alerts.

The **Information Technology (IT) Program** worked with Motor Vehicle Services to implement the new Celtic system for commercial vehicle registration and a new online specialty plate system, simplifying plate renewals and easing WYDOT resource strain. Transportation Learning Network software changes resulted in a \$100,000 annual cost savings. IT also worked with Public Affairs to deploy a new website design in conjunction with celebrating WYDOT's Centennial celebration.



*The Teton Pass radio tower.*

The **Telecommunications Program** executed a contract with Motorola to construct 16 new towers for the Wyo-Link emergency communications network and renegotiated its maintenance contracts with Motorola to achieve cost savings and better define roles.

WYDOT continues to seek funding for ongoing Wyo-Link modernization and maintenance costs.

WyoLink radio worked as designed during the total solar eclipse in August.

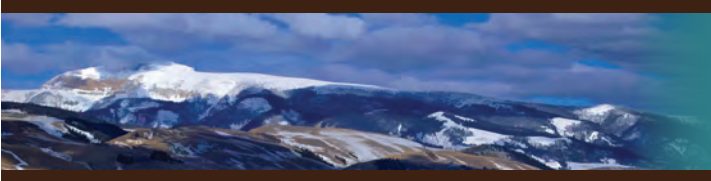
New legislation put the Public Safety Communications Commission under the direction of WYDOT. Governor Mead approved FirstNet in July, making Wyoming the second state to opt-in to this proposed communications network.

Telecom also provided support to the GIS-ITS Program for the Connected Vehicle Pilot Project.



*The Interstate-80 Connected Vehicle Pilot Project entered Phase II. This phase included the installation of onboard communication devices in 100 WYDOT vehicles.*





# Support Services

The **Support Services Administrator** is responsible for WYDOT's internal services for employees and external tasks needed for the Department to comply with various state and federal laws and regulations.

**Compliance & Investigation** provided training on vehicle identification number (VIN) fraud for Wyoming Highway Patrol and local law enforcement agencies and training on VINs, titles, and registration for vehicle dealers, salvage yards, and counties.

Investigators assisted agencies with VIN inspections, including one that led to identifying 3 stolen vehicles.

The program continued to review ignition interlock installation businesses and conducted 68 criminal background checks on dealer applicants.

Compliance presented information to the Joint Transportation, Highways and Military Affairs Committee; the Wyoming Auto Dealers Association; the Wyoming County Treasurers Association; and the Office of Administrative Hearings.

The **Driver Services Program** completed 209,953 transactions—including driver's licenses, identification cards, driving records, and reinstatement fees—and processed 55,371 citations. As of December 31, 2016, Wyoming had 432,763 licensed drivers of which 35,176 hold a commercial driver's license. Approximately 14,409 drivers renewed their driver's license through the mail.

In FY 2017, Driver Services joined a pilot program to test and research digital driver's licenses, holding demos with the Wyoming Highway Patrol, the U.S. Transportation Security Administration, and the public.

The **Human Resources (HR) Program** performs recruiting, retention, placement, and classification of more than 2,000 positions; employee records management; benefits; compensation; and employee relations. HR staff also provides rule interpretations; advises supervisors on personnel issues; develops administrative actions; and administers training on Performance Management Initiative, recruitment, labor laws, and other issues. HR represents WYDOT on numerous state and national committees.

HR continues to transition to electronic signatures and convert all job descriptions to electronic format to improve efficiency and effectiveness.

HR partnered with other WYDOT programs to develop various educational opportunities, including community college partnerships and creating a structured training program for each Department classification.

WYDOT's annual turnover rate was 11 percent compared to the 14 percent statewide average.

## MVS Registration and Titling

**\$23 million** collected in state registration fees.

**1.3 million** vehicle registration and title transactions transferred to the state mainframe from **23 counties**

**\$22,867**

generated from vehicle identification number searches for individuals, businesses and law enforcement.

## MVS Licensing Section

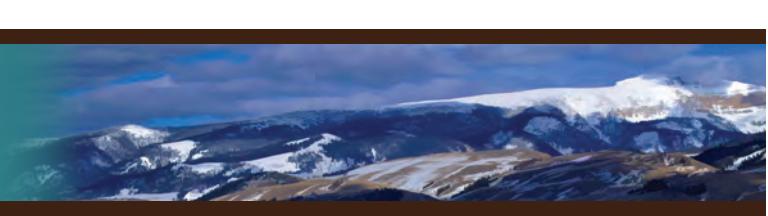
**55 certificates** issued to rental car companies generating \$5,500.

**516** vehicle dealer & manufacturer licenses issued collected **\$44,175** in fees; **\$68,545** in dealer forms.

**\$117,693** collected in specialty plates

<b>PROCESSED</b>	<b>925</b> prestige	<b>201</b> UW	<b>590</b> other plates
	<b>804</b> military	<b>10,281</b> government plates	

# Support Services



The **Motor Vehicle Services (MVS) Program** administers county vehicle titling and registration, vehicle dealer and manufacturer licensing, and specialty license plates. The program also handles WYDOT functions related to commercial vehicle registration – under the International Registration Plan (IRP) – and fuel taxes – under the International Fuel Tax Agreement (IFTA) – and duties related to Wyoming intrastate operating authority. Motor Vehicles Services additionally produces and distributes state license plates.

In accordance with state law, MVS renewed all specialty license plates in 2017 and processed 40,759 specialty plate applications, generating \$1.2 million in plate revenue.

MVS uploaded 1.3 million vehicle title and registration transactions to the state mainframe computer and collected \$26 million in state registration fees. Licenses from dealerships, rental companies, and vehicle transporters generated \$360,877 in revenue.

Plate production staff produced and distributed around 320,000 license plates, 2.1 million validation stickers, and 71,500 decals for IFTA, mobile machinery, and other purposes.

IRP staff collected \$50.7 million in registration fees and disbursed \$7.8 million to IRP jurisdictions and \$4.7 million to Wyoming counties. The IFTA Section collect-

ed \$524,535 in fuel tax, license fees, and decal sales, and it forwarded \$981,623 in fuel taxes to other jurisdictions and carriers.

WYDOT's **Office Services Program** provides archiving, printing, and mailing services. The Records Section continued scanning and archiving documents for various WYDOT programs, reaching a total of 117,193 scanned documents this year. Central Files processed over 12,000 documents and 927 new agreements and contracts, and closed 400 projects. A total of 289 boxes were destroyed based on expiring retention schedules, and 156 plans were scanned and 5,450 hardcopy prints were made for internal and external customers.

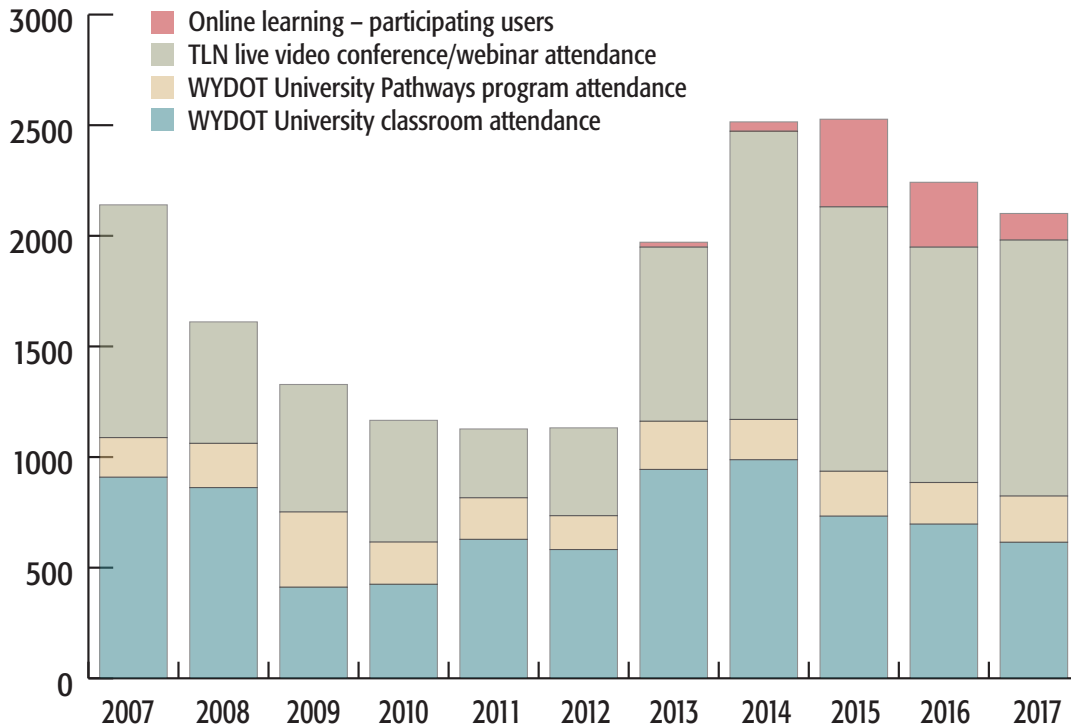
Printing Services produced 3.3 million standard and oversized copies. Notable jobs included the *100 Years of Transportation Excellence* publication, the *2017 Sweetwater Life RU* booklet, and the *2016 WYDOT Annual Report*.

Mailing Services shipped out 398,292 pieces of mail in FY 2017, an increase of almost 20,000 from the previous year. Presort jobs – including significant presorts for Construction, Motor Vehicle Services, Fuel Tax Administration, and Public Affairs – saved WYDOT over \$27,000 in postage. Mailing Services provided folding and inserts for over 222,000 items. The mail crew uses USPS, UPS, and FedEx to obtain the lowest possible shipping rates.

During FY 2017, **Training Services** selected a new learning management system that will launch in early 2018. Committees and subcommittees were established to identify training requirements for various Department functions. Training Services worked with other WYDOT programs to revise New Employee Orientation (NEO) and New Supervisor Orientation (NSO) for more focused, experiential learning. WYDOT University courses had 2,101 registrants.

Instructor-led WYDOT University courses received the following ratings on a 5-point scale: 4.42 participant satisfaction, 3.90 knowledge of skills learned, and 3.72 supervisor-observed improvement.

## WYDOT University Training





# Wyoming Highway Patrol

The **Wyoming Highway Patrol (WHP)** is the state-wide law enforcement entity, housed within WYDOT, primarily responsible for patrolling Wyoming highways and enforcing state statutes—including providing protective services to the Governor and the first family, and elected officials in and near the capitol complex. WHP also enhances public safety through highway safety enforcement, criminal interdiction, public outreach, education, and partnerships.

To further reduce redundant effort and increase efficiency, the WHP is currently identifying software vendors for the mobile data terminals found in all patrol vehicles. New software will capitalize on existing technology, digital reporting, and eCitations to make data-driven enforcement a reality and achieve maximum public safety impact.

In FY 2017, WHP created evidence specialist positions in each district to create a more consistent, robust, and defensible evidence program and increase trooper patrol times. The evidence specialists safeguard all evidence captured by WHP officers, including that from crashes, arrests, and in-car video and audio. Digital evidence supports enforcement activities during judicial proceedings and trooper investigations and supports arrests, criminal charges, and crash investigation findings.

Rigorous training prepares WHP employees for duty. Troopers receive 26 weeks of formal training followed by at least 50 field shifts. New dispatchers receive 15 weeks of training, and port of entry officers receive 12 weeks of training.

Troopers patrolled nearly 6 million miles of highway in 130,822 hours in FY 2017; initiated 111,516 traffic stops for driver infractions and equipment violations; assisted approximately 12,539 motorists in need; investigated 7,295 motor vehicle crashes; and made 2,328 drug-related arrests (536 felony). Prioritizing safety, the WHP removed 824 impaired drivers from the road and issued 5,264 occupant restraint citations. The WHP continued to work with other WYDOT programs on Variable Speed

Limit (VSL) projects across the state. Data continues to indicate the VSLs have a significant positive impact on public safety, reducing crash totals and severity, as well as the road closure duration and frequency.

Port of entry officers contacted over 1.2 million commercial vehicles; weighed 535,599 commercial vehicles (finding 37,000 overweight); performed 5,118 safety inspections (finding 1445 out-of-service violations); and issued 118,506 permits (60,487 for oversized vehicles and 30,938 for overweight vehicles) generating \$8.3 million in fees. Port officers routed these vehicles around construction and structural restrictions. Additionally, Mobile Education Enforcement teams (MEET) weighed 242 commercial vehicles (53 were overweight); performed 223 inspections (finding 123 out-of-service violations); and issued 113 permits.

WHP's civilian employees also play an integral role in support services through data management, information storage, and customer service.

The dispatch center manages the Amber Alert program for Wyoming and functions as the central communications hub for Wyoming's Safe2Tell program, which provides a support and safety network for Wyoming's school age children.

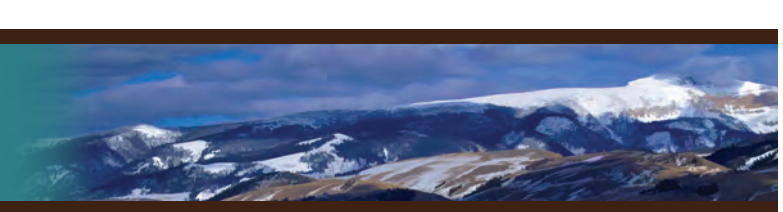
The WHP employs a full time records request employee who processed over 1,250 public record requests in fiscal year 2017.

The agency's K-9 team, Special Services squad, Honor Guard, MEET, Executive Protection detail, commercial carrier officers, compliance officers, Wyoming Law Enforcement Academy instructors, crash investigation team members, safety education teams, *Alive at 25* instructors, and others all serve Wyoming's citizens and law enforcement community.

Conviction, courage, diligence, discipline, humility, integrity, loyalty, and optimism are the fundamental precepts of the agency and form the basis for the WHP's day-to-



WHP troopers and their K-9 partners have been integral in interdicting illegal drugs smuggled into the state.



The **Aeronautics Administrator's** programs assist publicly owned Wyoming airports with state and federal funding for use in airport improvements, planning, and construction. The division administers these projects from inception through final construction. Primary focuses include aviation safety, infrastructure improvement and maintenance, air service promotion, and providing flight services for the Governor, as well as other state employees, who are traveling to conduct state business.

The **Air Service Enhancement Program (ASEP)** helps community economic development by maintaining, improving, and adding air service at Wyoming's 9 commercial service airports. ASEP funded 5 service contracts in FY 2017 totaling \$3.7 million. WYDOT personnel participated in federal and statewide working groups to address improving small community air service and, at the state level, identifying Wyoming air service issues and solutions.

The **Engineering and Construction Program** oversees airport construction, equipment acquisition, pavement management, maintenance projects, asset management, and aviation marketing and engineering.

Work continued in FY 2017 on a statewide geographic information system (GIS) based airport pavement management plan.

The program provided oversight for 30 construction and equipment acquisition projects, 19 navigational aids maintenance projects, 11 aviation encouragement projects, and 5 marketing projects. The program administered \$2.6 million in pavement maintenance projects resulting in a \$400,000 cost savings using economies of scale.

The program also conducted safety data inspections at 11 Wyoming airports.

The **Flight Operations Program** provides on-demand air service to over 25 state agencies, commissions, boards, and elected officials with 2 aircraft, 7 pilots, and 3 support

staff. The program flew 640 flights (90 percent within Wyoming) and 2,300 passengers in FY 2017. The program flew just over 450 flight hours and 151,000 miles, creating an efficient mode of transportation for employees, elected officials, and public board and commission members traveling across the state.

The fuel farm at the Cheyenne Regional Airport hangar facility produced \$168,000 in fuel savings through wholesale purchasing (a 20 percent savings increase from the previous year). Pilots worked with air traffic control to plan efficient flight profiles, resulting in another \$26,000 in savings. The program's planes continue to operate at 11 percent lower costs than industry benchmarks.

This year, Flight Safety International awarded WYDOT pilots the Safety Star award for ongoing dedication to safety.

**Planning and Programming (P&P)** oversees airport planning, environmental, and land projects; the airport improvement grants program; the continuous system planning program; Wyoming Aviation Capital Improvement Program development; and the Wyoming Aeronautics Commission Loan Program.

In 2017, P&P administered \$45.1 million in airport improvement funds—\$10.4 million in state funds and \$32.5 million in federal funds. 106 airport improvement grants were provided to 35 airports, including projects in Casper, Douglas, Gillette, Jackson, Lander, Rock Springs, and Saratoga.

Program staff oversaw the development of an airport master plan and airport layout plan for Afton-Lincoln County Municipal Airport; the land acquisition in Pinedale and Wheatland; and an environmental assessment at Jackson Hole Airport. Planning projects were completed at Worland Municipal and Johnson County airports. P&P also updated the Wyoming State Aviation System Plan.



Small aircraft at the Dubois Airport.





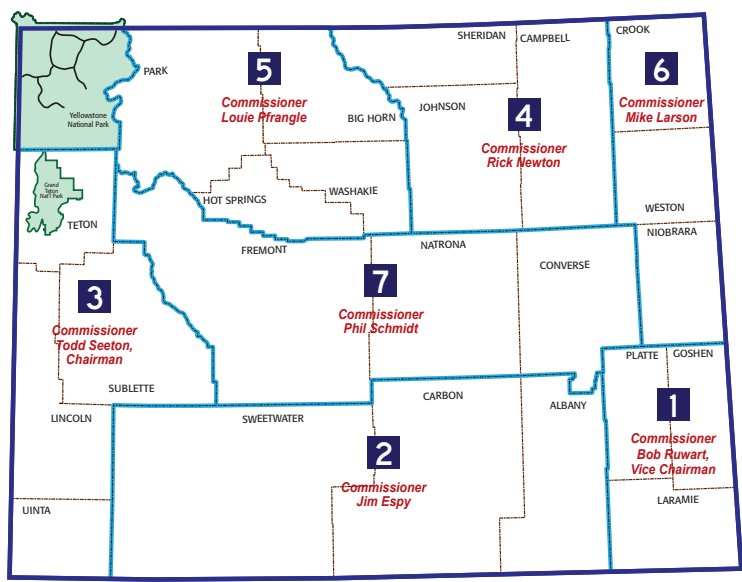
*Transportation Commissioners: Jim Espy, Rick Newton, Bob Ruwart, Todd Seeton, Mike Larson, Phil Schmidt, and Louie Pfrangle.*

## Transportation Commission

The Wyoming Transportation Commission oversees activities at the Wyoming Department of Transportation by adopting rules and regulations, overseeing policy, and revising budgets for the department.

The following are the commission districts and the counties they represent.

- District 1: Goshen, Platte and Laramie;
- District 2: Albany, Carbon and Sweetwater;
- District 3: Lincoln, Sublette, Teton and Uinta;
- District 4: Campbell, Johnson and Sheridan;
- District 5: Big Horn, Hot Springs, Park and Washakie;
- District 6: Crook, Niobrara and Weston;
- District 7: Converse, Fremont and Natrona.



The governor appoints each commission member with consent of the state Senate. Members serve a staggered six-year term, which ensures that there's always a majority

of experienced commissioners serving.

Commissioners receive a salary of \$600 per year, which hasn't changed since the state Legislature created the commission in 1917.



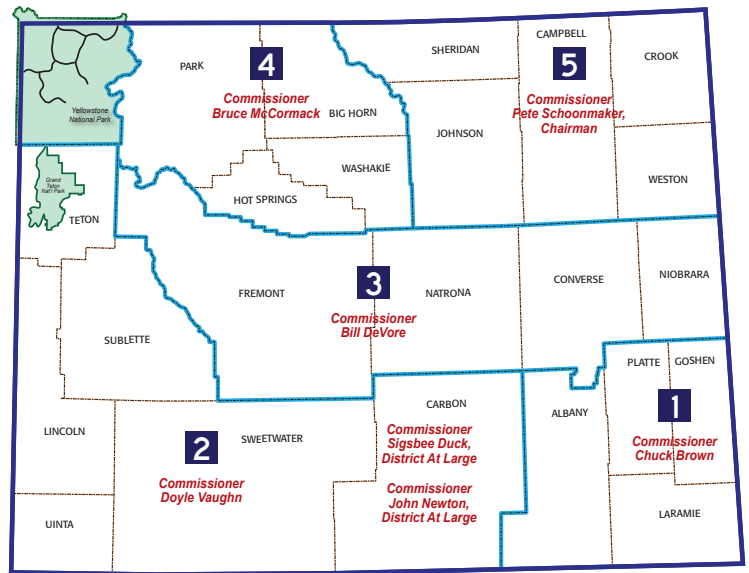
*Beautiful Lake Marie in the Snowy Range Mountains*

# Aeronautics Commission & Public Safety Communications Commission

## Aeronautics Commission

The Wyoming Aeronautics Commission oversees certain Aeronautics activities, including administering airport improvement projects for airport infrastructure construction and rehabilitation, approving grants to Wyoming airports for airport infrastructure and various other projects, encouraging air travelers to fly directly into and out of Wyoming airports through the Air Service Enhancement Program, and supporting fly-ins and air shows across the state each summer.

The Governor also appoints the seven Aeronautics Commissioners who may serve a maximum of two 6-year terms. The Aeronautics Commission does not have a geographic rotation requirement within the districts. Meetings are held at various locations across the state every other month.



Aeronautics Commissioners: Chuck Brown, Sigsbee Duck, Bruce McCormack, Bill DeVore, John Newton, Pete Schoonmaker, and Doyle Vaughn.

## Public Safety Communications Commission

The PSCC is comprised of representatives from public safety agencies, professional associations, and state agencies who are appointed by the Governor.

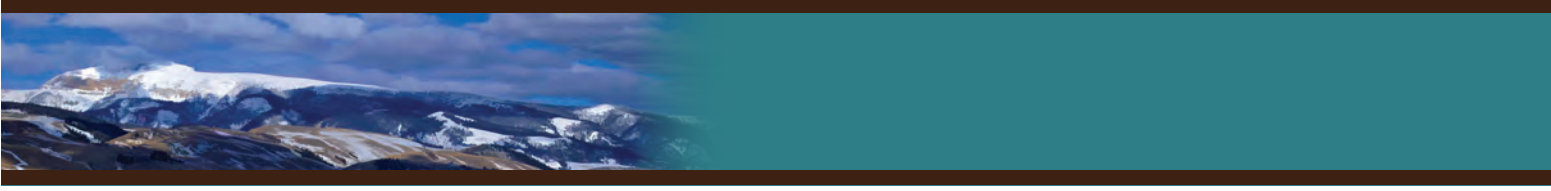
The PSCC main goals are to:

- Recommend strategies for improving Wyoming's wireless interoperability;
- Determine standards for the WyoLink network;
- Identify immediate short-term technological and policy solutions that tie existing infrastructure together into an interoperable system;
- Develop long-term technical and policy recommendations to establish the development and implementation of the WyoLink network; and
- Develop recommendations for legislation or other state action that may be required to further promote wireless interoperability in Wyoming.



Public Safety Communications Commissioners: Mike Choma, Dwayne Pacheco, Jonathan Downing, Mark Harshman, Frosty Williams, and Doug Frank.





## **WYDOT Mission, Vision, Values, and Goals**

### **Vision Statement**

Excellence in Transportation

### **Mission**

To provide a safe, high quality, and efficient transportation system.

### **Values**

- Honesty
- Accountability
- Commitment
- Respect
- Innovation

### **Goals**

- Improve safety on the state transportation system.
- Serve our customers.
- Improve agency efficiency and effectiveness.
- Take care of all physical aspects of the state transportation system.
- Develop and care for our people.
- Exercise good stewardship of our resources.

### **Wyoming Department of Transportation 2017 Annual Report**

Compiled and edited by Management Services

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# WYOMING DEPARTMENT OF TRANSPORTATION

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