PURPOSE

*Keep Alaska Moving* through service and infrastructure.

IMPACT

- DOT&PF serves every Alaskan, every day
- DOT&PF provides a safe and efficient transportation system for Alaska to thrive
- DOT&PF provides Alaskans with access to goods, services, economic opportunities, each other and the world

CORE VALUES

- **Integrity:** Doing the right thing even when no one is watching. Doing what you say you are going to do
- **Excellence:** Commitment to continually improve
- **Respect:** Positive regard for customers, stakeholders, investors and colleagues
- **Safety:** Commitment to safeguarding transportation systems and users while promoting a safety culture in the workplace.

CORE SERVICES

- Operate Alaska’s Transportation Infrastructure
- Preserve Alaska’s Transportation Infrastructure
- Modernize Alaska’s Transportation Infrastructure
- Provide Transportation Services
- Provide Public Facilities Services

VISION STATEMENT

Moving beyond Alaska’s challenges while meeting Alaskans’ distinct transportation needs through trust, teamwork, and results.

STRENGTHS

- Strong work ethic
- Experience, knowledge, expertise
- Dedicated workforce
- Reasonable, responsible problem-solvers
- Quantity and quality of assets
- Interesting challenges
- Opportunity for growth
- Pride in accomplishment
- Good people
- Willing to lead

*Repairs to Mirror Lake site after earthquake damage. By Sean Baski, Alaska DOT&PF*
DOT&PF-RELATED ALASKA STATE STATUTES

- AS 44.42 Department of Transportation & Public Facilities
- AS 44.42.067 Sustainable Energy Act
- AS 44.68.010 Use of State-Owned Vehicles
- AS 44.68.210 Highway Equipment Working Capital Fund
- AS 37.15 Alaska International Airport Funds
- AS 35 Public Buildings, Works, and Improvements
- AS 19 Highways and Ferries
- AS 19.10 State Highway System
- AS 19.10.300 Commercial Motor Vehicle Requirements
- AS 19.25 Utilities, Advertising, Encroachment and Memorials
- AS 19.65 Alaska Marine Highway System
- AS 19.65.050 Alaska Marine Highway System Fund and Budget
- AS 2 Aeronautics

FAST FACTS

The Alaska Department of Transportation and Public Facilities has jurisdiction over:

- 5,635 center line miles / 11,894 lane miles of roads / highways
- 74 DOT&PF staffed Maintenance Stations
- 235 State Airports
- 2 International Airports
- 12 Ferries
- 35 Ports of Call
- 17 Harbors
- 835 DOT&PF owned bridges
- 2 DOT&PF owned tunnels
- 7,371 pieces of state equipment & vehicles distributed throughout all executive branch departments, Legislative Affairs, and the Court System
- 837 Public Facilities maintained, inclusive of 731 DOT&PF Owned Facilities
- 9 Weigh Stations
- 2.5 mile Anton Anderson Memorial Tunnel – the longest highway tunnel in North America
- Approximately $11.8B in transportation asset infrastructure

DOT&PF is one of the largest departments, consisting of approximately 3,338 permanent full-time, part-time and non-permanent employees in 8 labor unions in 83 locations throughout the state.

Nelchina workers make haste of cleaning up the Glenn Highway.
By Christina Weimer, Alaska DOT&PF
DIVISIONS

- Administrative Services
- Alaska International Airport System / Statewide Aviation
- Alaska Marine Highway System
- Office of the Commissioner
- Design and Engineering Services
- Facilities Services
- Information Systems and Services
- Measurement Standards & Commercial Vehicle Compliance
- Program Development
- State Equipment Fleet

The department is administratively divided into three regions:

- Northern Region headquartered in Fairbanks
- Central Region headquartered in Anchorage
- Southcoast Region headquartered in Juneau
FUNDING

Numbers displayed in thousands

FY2021 OPERATING BUDGET
BY FUND SOURCE
$606,220.4

Designated General Fund,
$101,422.9 ,
16.7%

Unrestricted General Fund,
$149,631.9 ,
24.7%

Federal, $1,618.6 ,
0.3%

Other, $353,547.0 ,
58.3%

Position Counts
Full-time: 2,920 / Part-time: 281 / Non-perm: 137

Numbers displayed in thousands

FY2021 CAPITAL BUDGET
BY FUND SOURCE
$1,009,521.8

Mental Health Trust Authority Auth Rcpts, $300.0 , 0%
Alaska Housing Finance Corp Div, $8,400.0 , 1%
International Airports Construction Fund, $2,700.0 , 0%
Statutory Designated Program Rcpts, $10,000.0 , 1%
Marine Highway System Fund, $15,000.0 , 1%
Intl Airport Rev Fund, $24,000.0 , 2%
Highways Equipment Working Cap Fund, $15,000.0 , 2%
General Fund/Mental Health, $1,000.0 , 0%
General Fund/Program Receipts, $1,500.0 , 0%
General Fund Receipts, $37.7 , 0%
General Fund Receipts Match, $55,608.9 , 6%

Federal Rcpts, $875,975.2 , 87%
The state maintains roads that are part of the National Highway System (NHS) and other arterials, collectors and local roads.

- 5,635 center line miles of roads/highways
  - 3,747 paved
  - 1,887 unpaved
  - 2,229 center line miles of NHS roads
- 5.88 billion annual vehicle miles traveled
- 835 DOT&PF owned bridges
- 2 DOT&PF owned tunnels
- 1,028 total bridges and 3 tunnels inspected by DOT&PF including state, municipal and borough owned
- 9 Weigh Stations
- 4 Safety Corridors
  - Seward Highway, Potter Marsh to Girdwood (MP117 to MP87)
  - Parks Highway, Wasilla to Houston (MP44.5 to MP53)
  - Sterling Highway, Sterling to Soldotna (MP83 to MP93)
  - Knik-Goose Bay Road, Palmer-Wasilla Highway to Point MacKenzie Road (MP.75 to MP17)
DOT&PF produces annual traffic crash reports. The latest data are from 2019:
- Fatalities – 67 (a decrease of 16% from 2018)
- Alcohol impaired driving fatalities – 27 or 40.29% of all fatalities
- Unbelted fatalities (out of fatalities in seatbelt equipped vehicles only) – 22 or 32.8% of all fatalities
- Speeding related fatalities – 27 or 40.29% of all fatalities
- Non-motorist fatalities – 8 (6 pedestrians, 2 bicyclists) or 11.94% of all fatalities
- Since 2015, motor vehicle fatalities have trended down an average of 3.3% per year. In the five years prior to 2015 (2010 – 2014), motor vehicle fatalities trended down an average of 1.9% per year.

1,028 bridges and 3 tunnels on publicly-owned roads inspected by DOT&PF including, state, municipal and borough owned:
- 835 bridges owned by the department
  - 83 culverts 20’ or greater in diameter
  - 24 transfer bridges at AMHS terminals
- 32 bridges owned by other state agencies
- 161 bridges owned by cities and boroughs
- 16 bridges owned by the department
- 1 tunnel owned by other state agency

Skagway Captain William Henry Moore Bridge Project, September 2018. By Will Coleman, Alaska DOT&PF
The Alaska Marine Highway System (AMHS) service is divided into two major systems:

**SOUTHEAST SYSTEM** – Bellingham north to Yakutat

**Vessels:**
- M/V Columbia
- M/V Fairweather*
- M/V LeConte
- M/V Lituya
- M/V Hubbard
- M/V Malaspina*
- M/V Matanuska
- M/V Tazlina

**Southeast Communities:**
- Angoon
- Bellingham, WA
- Gustavus
- Haines
- Hoonah
- Juneau
- Kake
- Ketchikan
- Metlakatla
- Pelican
- Petersburg
- Prince Rupert, B.C.
- Sitka
- Skagway
- Tenakee Springs
- Wrangell
- Yakutat

**SOUTHWEST SYSTEM** – Cordova west to Unalaska/Dutch Harbor

**Vessels:**
- M/V Aurora
- M/V Chenega*
- M/V Kennicott (serves both Southeast and Southwest with cross-gulf service)
- M/V Tustumena

**Southwest Communities:**
- Akutan
- Chenega Bay
- Chignik
- Cold Bay
- Cordova
- False Pass
- Homer
- King Cove
- Kodiak
- Old Harbor
- Ouzinkie
- Port Lions
- Sand Point
- Seldovia
- Tatitlek
- Unalaska/Dutch Harbor
- Valdez
- Whittier

*As of January 2021, this vessel is in long-term layup status.*
Alaska Aviation System is the largest aviation system in North America. Alaska’s 586,412 square miles of land and water and 2,427,971 square miles of airspace is served by:

- 311 certified air carriers providing commercial and on-demand services
- 7,933 active pilots
- 9,346 registered aircraft in Alaska
- 761 recorded landing areas (public, private, and military)
- 109 seaplane bases (most in the country)
- 49 paved airports (Note: These are DOT&PF airports. There are many more in Alaska that are paved but not State-owned.)
- 236 aviation weather camera sites

Tourism relies heavily on aviation. In 2019, an estimated 2.26 million people visited Alaska—more than three times the population of the entire state. 176 public use airports and many more unrecorded strips provide access to the 97 state and 24 national parks.

The State of Alaska owns and operates 237 airports, including 235 rural airports and the Fairbanks (FAI) and Ted Stevens Anchorage (ANC) International Airports. Rural airports are vital to Alaskan communities providing access to essential supplies, mail, schools, medical/dental services, and travel. The mission of the state-owned rural airports is “to sustain and improve the quality of life throughout Alaska.”

- 82% of the communities and FAA-recognized locations in Alaska are not accessible by road
- 251 communities are exclusively accessed by air
- 142 communities receive state-provided air transportation infrastructure as air travel is their only transportation access

The Alaska International Airport System (AIAS) is comprised of ANC and FAI. These airports, operating as a system, are the primary transportation corridors for intra- and out-of-state travelers and freight. The world’s largest aircraft can land at both airports. The mission of the AIAS is “to keep Alaska flying and thriving.”

ANC is the largest airport in Alaska. It is a vital gateway for trade and commerce between North America and Asia.

- #2 airport in North America for landed cargo weight
- #5 airport in the world for cargo throughput
- Lake Hood Seaplane Base (LHD) located at ANC is the world’s largest and busiest seaplane base
- 5.7 million passengers transit the airport annually
- More than 3M tons of cargo flow through the airport annually
- 270,000 approximate operations (takeoffs and landings) in 2019
FAI is the second largest airport in Alaska. It serves as the regional passenger and cargo hub for interior Alaska and is a vital gateway to northern Alaska’s communities and conservation lands, including Gates of the Arctic National Park and Preserve and Arctic National Wildlife Refuge.

- Alternate airport for ANC with abundant ramp space for all size/types of aircraft
- 11,800 feet of runway and a heavy cargo apron with 4 aircraft parking spots
- Float pond with 322 tie downs and 185 float pond spaces
- Over 1.1 million passengers transit the airport annually
- More than 108,000 operations (takeoffs and landings) in 2019

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**ECONOMIC CONTRIBUTION of the AVIATION INDUSTRY in ALASKA**

Aviation is an integral component of Alaska’s economy, providing year-round connectivity for Alaska’s businesses and year-round employment for Alaskans in aviation operations.

The industry contributes:
- $3.8B to Alaska’s economy (Includes operations of airports and direct spending associated with airports)
- 35,000 jobs, representing 10% of all jobs in Alaska
- 7.1% of Alaska’s gross state product

The AIAS:
- Is self-sustaining. The AIAS uses zero state General Funds to operate and maintain its world class airports, including ANC, FAI, and LHD.
- Employs 481 Alaskans (377 Anchorage, 104 Fairbanks) who collectively earn more than $53M in annual salaries and benefits

ANC:
- In Anchorage, 1 in 10 jobs is tied to ANC for a total of 26,000 jobs.
- Generates $1.84B in economic benefit to the community, including $1B in direct spending and $840M from multiplier effects*.

FAI:
- In the Fairbanks North Star Borough, 1 in 9 jobs is tied to FAI for a total of 4,300 jobs or more than 11% of total employment.
- Generates $383M in economic benefit to the community, including $212M in direct spending and $171M from multiplier effects.

Note: *The Multiplier Effect is an estimate of how many times a dollar is re-spent in, or “ripples through,” a community (or larger economic region).
STATE EQUIPMENT FLEET

The State Equipment Fleet (SEF) is responsible for managing the Highway Equipment Working Capital Fund (HEWCF) that procures, maintains, and disposes of fleet assets for all Executive Branch Agencies. SEF also provides fleet support in the form of licensing and maintenance as requested for the University of Alaska and Alaska Housing Finance Corporation.

- $15M Capital Budget (FY2021) for replacement of fleet assets at the end of their useful life
- $34.8M Operating Budget (FY2021) for maintenance and repair of fleet assets including:
  - $18M Personnel – 158 staff positions statewide
  - $530K Travel – mostly in support of rural airport equipment maintenance
  - $2.6M Contractual – freight and contracted vendor repairs
  - $13.6M Commodities – fuel, parts, lubricants, tires, and supplies, including fuel for all state agencies via fuel cards
  - $100k Capital-large tools and shop equipment
- 158 staff to provide statewide services including:
  - 126 technicians and 5 managers supporting 79 maintenance stations and 239 rural airports
  - 15 parts staff at 7 hubs managing $8M in annual purchases and inventory
  - 12 contracting, administrative and system support staff to administer the functions of the fleet
  - During 2020 SEF staff recorded over 6,400 hours supporting DNR Forestry, DOT&PF Maintenance & Operations snow and ice control, and Aircraft Rescue and Fire Fighting (ARFF) duties
- 51 equipment maintenance shops statewide providing support for DOT&PF, the rural airport system and the entire executive branch fleet of vehicles and equipment.
- 7,371 assets for the Executive Branch Agencies; 1,200 licensed assets from the University system and Alaska Housing Finance Corporation, and Alaska Energy Authority.
- Vehicle and equipment rental pools allow sharing of centrally located specialized equipment and services in locations where other rental options are not available.
- Fuel Card program for fuel at private refueling stations. Over 3,500 cards are administered and $4M in fuel costs are billed through the SEF system.

TRANSIT

- Federal Transit Administration (FTA) Section 5307 grants for urban areas (population over 50,000) are provided directly to Fairbanks North Star Borough and the Municipality of Anchorage from FTA.
- FTA Section 5310 and Alaska Mental Health Trust (AMHT) grants provide funding assistance for senior citizens and persons with disabilities. Anchorage receives their share of 5310 funds directly from FTA.
- FTA Section 5311 grants provide transit capital, operating assistance, and program administration in non-urbanized areas for public transportation (less than 50,000 in population).
- Rural Transportation Assistance Program (RTAP) provides financial assistance for the design and implementation of training and technical assistance projects and other support services in non-urbanized areas.
• FTA currently provides $3,500,000 annually in Section 5339 Bus & Bus Facility capital funding for rural Alaska. Fairbanks North Star Borough and the Municipality of Anchorage receive their share of these funds directly from FTA.
• Purchased seven vehicles for rural communities. These included Alaska’s first electric transit bus, to begin operating in Juneau in 2021. 4,561,900 rides were provided in rural Alaska, Anchorage and Fairbanks.
• Awarded $13,250,180 in FTA funds; $300,000 in AMHT funds; and $18,801,429 in FTA CARES Act funds in 2020. Total funding was $32,351,609.
• Facilitated coordination of Alaska’s rural transit systems’ response to the COVID-19 pandemic, including distribution of face masks, collection of lost revenue and funding shortfall estimates, issuing grant agreements for CARES Act funding, and explanation of emergency funding provisions.

**Measurement Standards and Commercial Vehicle Compliance**

Measurement Standards is responsible for the annual inspection of weighing and measuring devices that are used in any form of commerce and trade. In State Fiscal Year (SFY) 2020:

- 13,685 device inspections were conducted statewide
- 8.9% of the inspected devices were rejected or issued a repair notice
- Testing and registration of 849 scales used in the regulation of the commercial marijuana industry
- 2,091 calibrations were performed by the State Metrology Laboratory
- New Entrant Safety Assurance Inspector conducted 15 audits on Interstate motor carriers

Commercial Vehicle Compliance (CVC) is responsible for the state vehicle size and weight program and the commercial motor vehicle/driver safety inspection program. These enforcement activities serve to pre-empt crashes, injuries and fatalities by removing unsafe drivers and vehicles from the road. In Federal Fiscal Year (FFY) 2020:

- 3,648 safety inspections conducted
- 429 unsafe vehicles and 45 unsafe drivers removed from the road
- 3,558 safety violations documented: 2,689 vehicles, 812 drivers, and 57 hazardous materials
• 93,492 vehicles weighed at weigh stations and 268 vehicles at mobile roadside checks
  • Weight compliance for vehicles that passed over weigh stations and portable scales was 98.3%
    - 826 unpermitted overweight vehicles, of which 184 received a written citation

Performance Measures – Commercial Vehicle Compliance
• Reduce the number of Federally-reportable Commercial Vehicle (CMV) related crashes below a rolling five-year Calendar Year (CY) 2014-2018 average of 73
  • In CY2019 – 24 Federally-reportable CMV-related crashes (preliminary data)
  • In CY2020 – 5 Federally-reportable CMV-related crashes (preliminary data)
• Reduce the fatality rate below 0.114 fatalities per 100M total vehicle miles traveled
  • In CY2019 – 0.085 fatalities per 100M total vehicle miles traveled (preliminary data)

DIVISION of FACILITIES SERVICES

Facilities Services Initiative: Summer 2015 – Present
• Project goals are to improve both the efficiency and effectiveness of facilities maintenance across all State of Alaska departments.
• The Executive Facilities Management Advisory Committee (EFMAC) recommended and OMB directed a new Division of Facilities Services be formed in February 2017. The Division of Facilities Services (DFS) became effective July 2018.
• To date 837 facilities have been integrated and being served by DFS from DOT&PF, DOA, DEED, DOL&WD, DPS, and DHSS.
• Expanding implementation to the rest of the state agencies in 2020 and 2021, with an anticipated near 1,000 facilities integrated at the end state.
• Implementing state wide enterprise computerized maintenance management system, including facilities asset, maintenance, capital projects, and leasing functionalities.

Statewide Public Facilities, as part of DFS, is responsible for managing the planning, design, and construction of new and renovation projects for most agencies within the State of Alaska.
• Currently managing over 130 projects for 11 different agencies
• Total value of over $310M
Facilities Maintenance and Operations

- Presence across the state from Nome to Ketchikan
- Three Hub Offices: Fairbanks, Anchorage, and Juneau
- Possess a wide range capability including Construction, HVAC, Electrical, SCADA, and DDC Systems
- Maintain large office buildings, educational facilities, airport infrastructure, and other specialized vertical structures.

Energy Retrofit Program: 2003 – Present

- Alaska Sustainable Energy Act passed in 2010 - requires the DOT&PF to work with other state agencies to retrofit 25% of all public facilities that are at least 10,000 square feet and greater, not including legislative, court or university facilities.
  - As of the end of 2014, the DOT&PF achieved this goal of retrofitting 25% of those public facilities and has completed energy retrofit projects in over 75 facilities to date.
- Current annual energy savings of $4.1M has been achieved from completed projects.
- Approximately $40M in energy retrofit projects have been executed.
- Over 13,000 tons of carbon reduction was achieved as a result of completed projects.

Mt. Edgecumbe High School gymnasium in Sitka, Alaska before (left) and after (right) lighting improvements were implemented.
For more information contact:
Mike Lesmann, Legislative Liaison
(907) 465-4772
dot.leg@alaska.gov

Alaska Department of Transportation & Public Facilities
PO Box 112500
3132 Channel Drive
Juneau, Alaska 99811

Find us online at dot.alaska.gov
and on social media: