DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES (DOT&PF)

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

CORE SERVICES

- Operate Alaska’s Transportation Infrastructure
- Preserve Alaska’s Transportation Infrastructure
- Modernize Alaska’s Transportation Infrastructure
- Provide Transportation 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
• AS 44.42 Department of Transportation & Public Facilities
• AS 44.42.067 Alaska 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 (DOT&PF) has jurisdiction over:

• 5,634 center line miles / 11,737 lane miles of roads/highways
• 74 DOT&PF staffed Maintenance Stations
  o 20 for Southcoast Region (9 Southeast; 11 Aleutians)
  o 35 for Northern Region
  o 19 for Central Region
• 239 State Airports
• 2 International Airports
• 12 Ferries
• 35 Ports of Call
• 17 Harbors
• 831 DOT&PF owned bridges
• 2 DOT&PF owned tunnels
• 7,370 pieces of state equipment & vehicles distributed throughout all executive branch departments, Legislative Affairs, and the Court System
• 776 Public Facilities occupied by 17 state and local agencies
• 9 Weigh Stations
• 2.5 mile Anton Anderson Memorial Tunnel – the longest highway tunnel in North America
• Approximately $12.6B in transportation asset infrastructure

DOT&PF is one of the largest departments, consisting of approximately 3,386 permanent full-time, part-time and non-permanent employees in 8 labor unions in 83 locations throughout the state.
The department is administratively divided into three regions:
- Northern Region headquartered in Fairbanks
- Central Region headquartered in Anchorage
- Southcoast Region headquartered in Juneau
**FUNDING**

**FY2020 OPERATING BUDGET**

**BY FUND SOURCE**

$594,008.2

- **Designated General Fund**, $96,369.1, 16.2%
- **Unrestricted General Fund**, $141,949.7, 23.9%
- **Federal**, $1,617.1, 0.3%
- **Other**, $354,072.3, 59.6%

**Position Counts**

Full-time: 2,920 / Part-time: 328 / Non-perm: 138

**FY2020 CAPITAL BUDGET**

**BY FUND SOURCE**

$1,052,688.3

- **Mental Health Trust Authority Auth Rqts**, $300.0, 0%
- **Statutory Designated Program Rqts**, $10,000.0, 1%
- **Alaska Marine Hwy Vessel Replacement Fund**, $3,000.0, 0%
- **Intl Airport Rev Fund**, $21,500.0, 2%
- **Hwy Equip Working Cap Fund**, $12,500.0, 1%
- **General Fund/Program Rqts**, $450.0, 0%
- **Constitutional Budget Reserve Fund**, $89,238.3, 9%

Federal Rqts, $915,700.0, 87%

Numbers displayed in thousands
The state maintains roads that are part of the National Highway System (NHS) and other arterials, collectors and local roads.

- 5,634 center line miles of roads/highways
  - 3,761 paved
  - 1,873 unpaved
  - 2,223 center line miles of NHS roads
- 5.48 billion annual vehicle miles traveled
- 831 DOT&PF owned bridges
- 2 DOT&PF owned tunnels
- 1,020 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)
HIGWAY SAFETY

DOT&PF produces annual traffic crash reports. The latest data are from 2018:

- Fatalities – 80 (a decrease of 1% from 2017)
- Alcohol impaired driving fatalities – 32 or 16.25% of all fatalities
- Unbelted fatalities (out of fatalities in seatbelt equipped vehicles only) – 22 or 27.5% of all fatalities
- Speeding related fatalities – 41 or 51.25% of all fatalities
- Non-motorist fatalities – 15 (15-pedestrians, 0-bicyclist) or 18.75% of all fatalities
- Since 2014, motor vehicle fatalities have trended up an average of 1.5% per year. In the five years prior to 2014 (2009 – 2013), motor vehicle fatalities trended down an average of 4.0% per year.

BRIDGES

1,020 bridges and 3 tunnels on publicly-owned roads inspected by DOT&PF including, state, municipal and borough owned

- 831 bridges owned by the department
  - 80 culverts 20’ or greater in diameter
  - 24 ramps at AMHS terminals
- 26 bridges owned by other state agencies
- 163 bridges owned by cities and boroughs
- 2 tunnels owned by the department
- 1 tunnel owned by other state agency
• 12 Ferries serving 35 ports in Alaska, Prince Rupert B.C., and Bellingham, WA
• 3,500 route miles

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*

**Southeast Communities:**
- Angoon
- Bellingham, WA
- Gustavus
- Haines
- Hoonah
- Juneau
- Kake
- Ketchikan
- Metlakatla
- Pelican
- Petersburg
- Prince Rupert, B.C.

**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

*As of January 2020, this vessel is in long-term layup status.

**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

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Deckhand Bob Bue on kiosk of M/V LeConte. By Sarah Roark, Alaska DOT&PF
M/V Tazlina was Made in Alaska. By Alaska DOT&PF
M/V Matanuska returns from the shipyard. By Alaska DOT&PF
The Alaska Aviation System is the largest aviation system in North America. The State of Alaska owns and operates 239 airports including the Fairbanks (FAI) and Anchorage (ANC) International Airports. ANC is a vital gateway for trade and commerce between North America and Asia. The largest aircraft in the world can land at both of these airports.

Tourism relies heavily on aviation across the state. In 2016, an estimated 1.85 million people visited Alaska, more than twice the population of the entire state. 176 public use airports, and many more unrecorded strips, access the 97 state and 24 national parks.

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
- 7,949 active pilots
- 8,742 registered aircraft in Alaska
- 761 recorded landing areas (public, private, and military)
- 109 seaplane bases in Alaska (most in the country)
- 49 paved airports (Note: this is DOT&PF airports, there are many more in Alaska that are paved but not state owned)
- 236 aviation weather camera sites
- In those communities for which the State of Alaska provides some mode of transportation infrastructure - i.e., an airport, a road, or a ferry – air travel is the exclusive mode of state transportation access in approximately 142 of those communities. (A community is defined by those criteria used by the Department of Commerce, Community & Economic Development’s Division of Community & Regional Affairs’ community database.)
Ted Stevens Anchorage International Airport
- 1 in 10 jobs in Anchorage tied to the airport for a total of 15,577 jobs
- 5.6 million passengers transit the airport annually
- Lake Hood located at ANC is the world’s largest and busiest seaplane base
- #5 Airport in the world for cargo throughput
- #2 Airport in North America for landed cargo weight

Fairbanks International Airport
- 11,800 feet of runway
- 1 in 9 jobs in Fairbanks tied to the airport for a total of 4,300 jobs or more than 11% of the total employment in the Fairbanks North Star Borough
- 4 parking spots for heavy cargo aircraft
- Alternate airport for Anchorage
- Regional hub for interior Alaska
- Over 1.1 million passengers transit the airport annually
- Float pond with 322 tie downs and 185 float pond spaces

Rural airports are vital to Alaskan communities providing them with access to essential supplies, mail, schools, medical/dental services and travel.
- 82% of the communities in Alaska are not accessible by road
- 251 communities are exclusively accessed by air

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

Aviation is a critical component of the economy and vitality of Alaska’s communities by supporting local businesses and employing citizens in year-round operations.

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

The Alaska International Airport System (AIAS) represents:
- 471 Employees in the AIAS (368 Anchorage, 103 Fairbanks)
- Ted Stevens Anchorage International Airport has the 5th largest cargo throughput operation in the world and 2nd in the U.S.
One in 10 jobs in Anchorage is related to the Airport:
- $724M in direct annual payroll
- $303M in annual payroll jobs in the community

One in nine jobs in Fairbanks is related to the Airport:
- $225M in economic output
- Over 89,500 aircraft operations in 2018

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.

- $15M Capital Budget for replacement of fleet assets at the end of their useful life
- $34.5M Operating Budget for maintenance and repair of fleet assets including:
  - $17.7M Personnel-157 staff positions statewide
  - $560K 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 249 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
  - Summer 2019 staff spent 5,000 hours in support of fires for the Department of Natural Resources and over 6,600 hours supporting 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.
- 7,370 assets for the Executive Branch Agencies; 900 licensed assets from the University system and Alaska Housing Finance Corp, 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 3,000 cards are administered and $4.0M 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 these 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.
- Alaska State General Funds (ASGF) provided needed match funds for the above grants.
- Purchased seven vehicles for rural communities and 5,836,048 rides were provided in rural Alaska, Anchorage and Fairbanks.
- Awarded $7,680,379 in FTA funds; $299,743 in AMHT funds; and $450,000 in ASGF funds in 2019. Total funding was $8,430,122.
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) 2019:

- 11,781 device inspections were conducted statewide
- 11.2% of the inspected devices were rejected or issued a repair notice
- Testing and registration of 633 scales used in the regulation of the commercial marijuana industry.

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) 2019:

- 5,868 safety inspections conducted
- 675 unsafe vehicles and 134 unsafe drivers removed from the road
- 6,564 safety violations documented: 5,287 vehicles, 1,148 drivers, and 129 hazardous materials
- 64,718 vehicles weighed at weigh stations and 208 vehicles at mobile roadside checks
  - 685 unpermitted overweight trucks, of which 187 received a written citation
  - Weight compliance was 98.5%

Performance Measures – Commercial Vehicle Compliance

- Reduce the number of Federally-reportable Commercial Vehicle (CMV) related crashes below a rolling 3-year Calendar Year (CY) 2015-2017 average of 77
  - In CY2018 – 20 Federally-reportable CMV-related crashes (preliminary data as of 11/20/19)
  - In CY2019 – 24 Federally-reportable CMV-related crashes (preliminary data as of 11/20/19)
- Reduce the fatality rate below 0.114 fatalities per 100M total vehicle miles traveled
  - In CY2018 – 0.073 fatalities per 100M total vehicle miles traveled (preliminary data as of 11/20/19)
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 860 facilities have been integrated into DFS from DOT&PF, DOA, DEED, DOL, DPS, and DHSS.
- Expanding implementation to the rest of the state agencies in 2020 and 2021, with an anticipated 1,805 facilities integrated at the end state.

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 140 projects for 11 different agencies
- Total value of over $270M

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 70 facilities.
- Current annual energy savings of $3.8M has been achieved from completed projects.
- Approximately $38M in energy retrofit projects have been executed.
- Over 12,177 tons of carbon reduction was achieved as a result of completed projects.