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Overview

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ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

PURPOSE

Keep Alaska Moving through service and infrastructure.

To do this we:

- Provide for the safe and efficient movement of people and goods
- Provide statewide access and connectivity
- Provide access for exploration and development of Alaska's resources

CORE VALUES

- **Integrity:** Ensure honesty, dependability, loyalty and a high ethical standard
- **Excellence:** Personal and department commitment to continually improve individual, team, and organizational knowledge, performance, and methods to provide quality service and products
- **Respect:** Positive regard for customers, investors, stakeholders, colleagues

CORE SERVICES

- Operate Alaska's Transportation Infrastructure
- Preserve Alaska's Transportation Infrastructure
- Modernize Alaska's Transportation Infrastructure
- Provide Transportation Services

DOT&PF VISION STATEMENT

- We will strengthen our efficiencies and effectiveness at planning, designing, constructing, operating and maintaining all modes of transportation.
- We will strengthen our transparency, accountability, innovation and quality of service.
- We will work as a team, maintaining strong, healthy communications internally and externally.
- We will promote service based management of state-owned transportation assets and facilities.
- We will expand the reach of the transportation system to serve the needs of all Alaskans.

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

DOT&PF-RELATED ALASKA STATE STATUTES

- AS 44.42 Department of Transportation & Public Facilities
- AS 44.68.010 Use of State-Owned Vehicles
- AS 44.68.210 Highway Equipment Working Capital Fund
- 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 19.75 Knik Arm Bridge and Toll Authority
- AS 2 Aeronautics

FAST FACTS 2017

The Alaska Department of Transportation and Public Facilities (DOT&PF) has jurisdiction over:

- 5,612 center line miles / 11,766 lane miles of roads/highways
- 79 DOT&PF staffed Maintenance Stations
- 240 Rural State Airports
- 2 International Airports
- 11 Ferries
- 35 Ferry Terminals
- 21 Harbors
- 822 DOT&PF owned bridges
- 7,129 pieces of state equipment & vehicles distributed throughout all executive branch departments, Legislative Affairs, and the Court System
- 731 Public facilities occupied by 17 state & local agencies
- 9 Weigh Stations
- 2.5 mile Anton Anderson Memorial Tunnel – longest highway tunnel in North America
- Over \$7.5B in transportation asset infrastructure

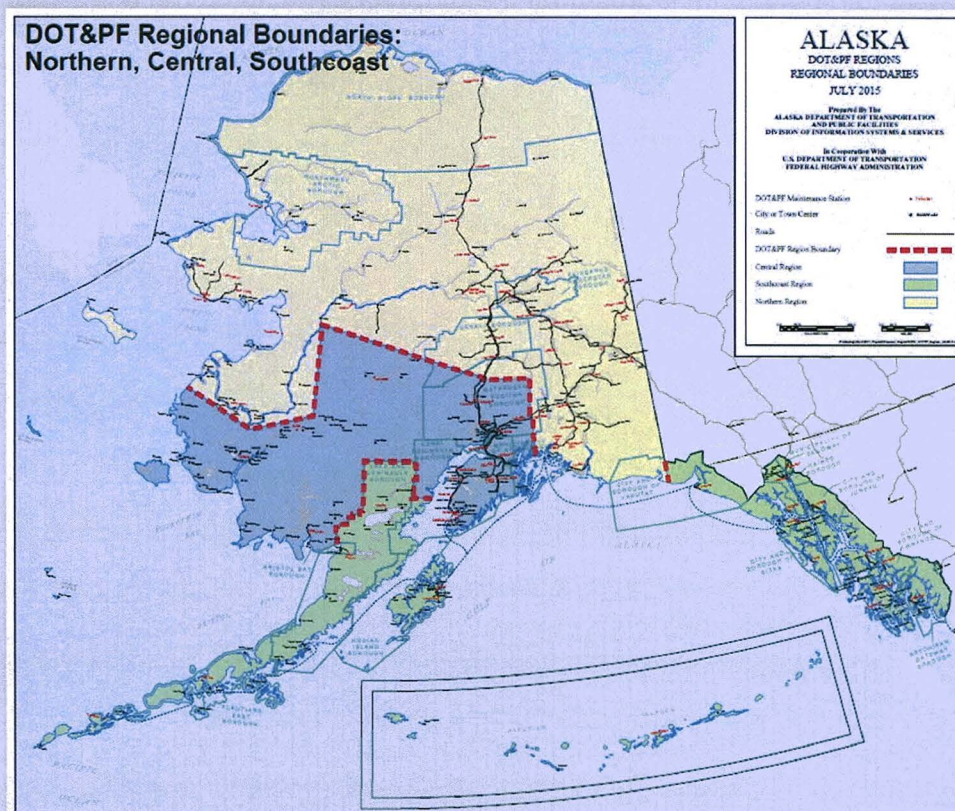
DOT&PF is one of the largest departments, consisting of approximately 3,662 permanent full-time, part-time and non-permanent employees in 8 labor unions in 85 locations throughout the state.

DOT&PF DIVISIONS

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

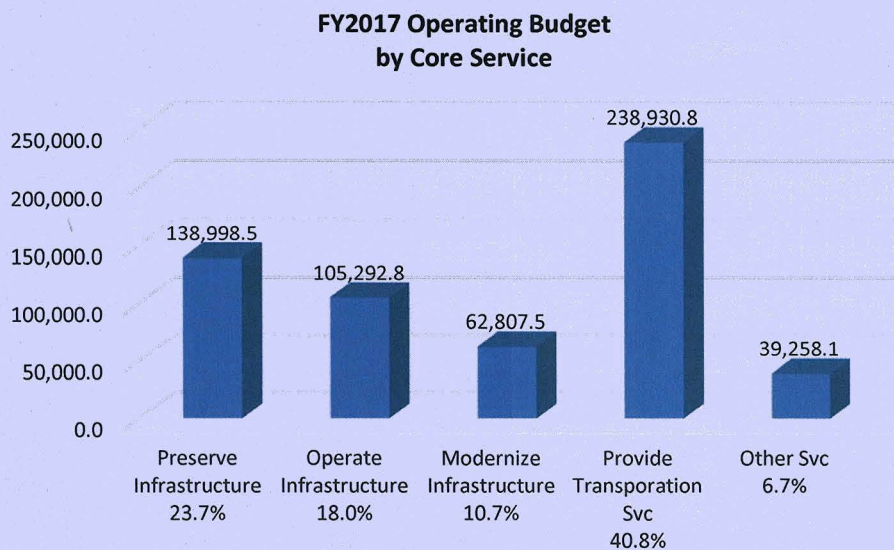
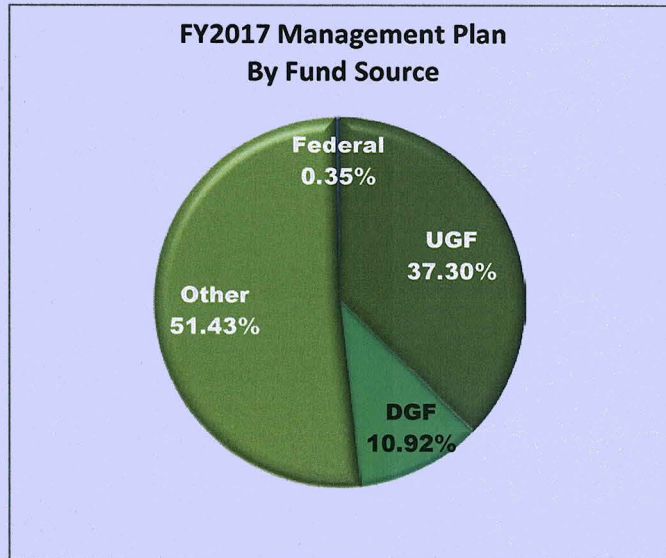
The department is administratively divided into three regions:

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



FUNDING

FY 17 Operating Budget: \$585,287.7M



FY2017 Capital Budget: \$1,373.8M

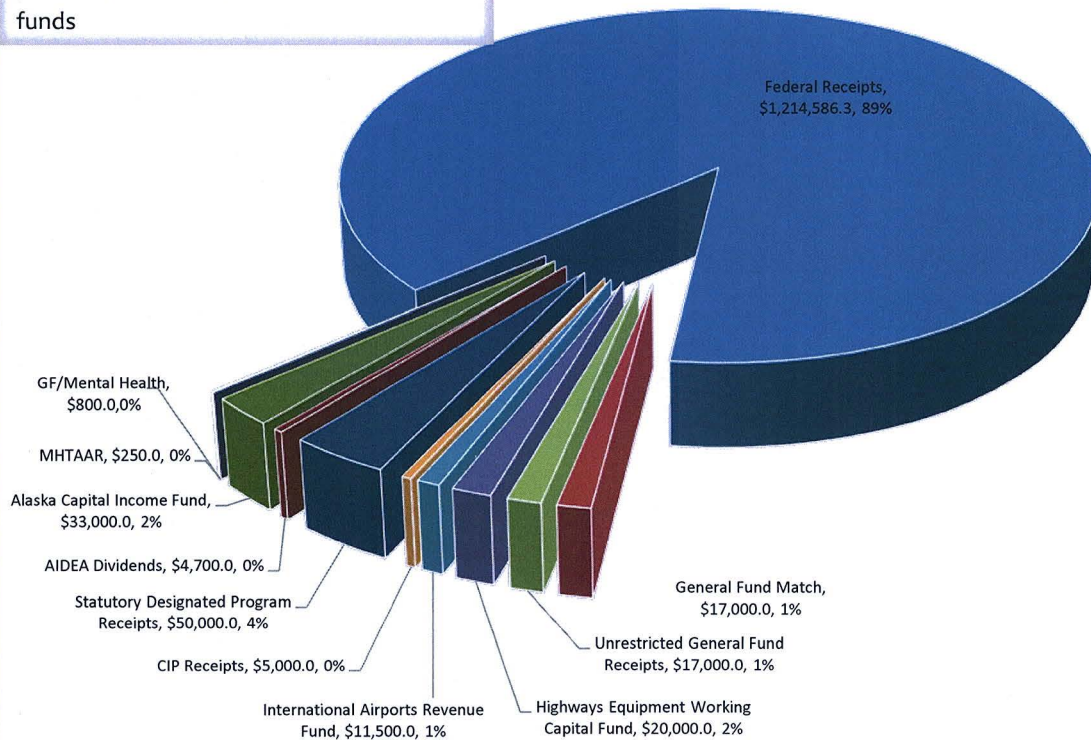
Federal funding - \$1,214.6M, or 89%

State General Funds - \$34.0M, or 3%

Other funds (i.e. Intl. Airport Revenue)

-Anchorage and Fairbanks Airports are funded by user fees, no state general funds

FY17 Capital Budget



HIGHWAYS AND ROADS

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

- 5,612 center line miles of roads/highways
 - 3,750 paved
 - 1,861 unpaved
 - 2,345 center line miles of NHS roads
- 4.8 billion annual vehicle miles traveled
- 822 DOT&PF owned bridges
- 1001 total bridges 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 M&O repairing Dalton Highway during excessive spring flooding, 2015.
Photo by Alaska DOT&PF



Tudor/Bragaw Intersection Improvements.
Photo by Kim Chong, Alaska DOT&PF



M&O crew surveying Snowslide Gulch MP16 Richardson Highway South Side "Damalanche." January, 2014.
Photo by Robert Dunning, Alaska DOT&PF

HIGHWAY SAFETY

DOT&PF produces annual traffic crash reports. The latest data is from 2013:

- Fatalities – 65 (1 person every 5.6 days)
- Impaired driving fatality rate – 21 or 32.3% of all fatalities
- Unbelted fatalities (out of fatalities in seatbelt equipped vehicles only) 15 – 39.5%
- Speeding related fatalities – 22 or 33.8% of all fatalities
- Motor vehicle fatalities had been on a steady decline from a high of 101 in 2004 to a low of

51 in 2013. Beginning in 2014, this positive trend has reversed. Through December 29, there were 84 fatalities in 2016.

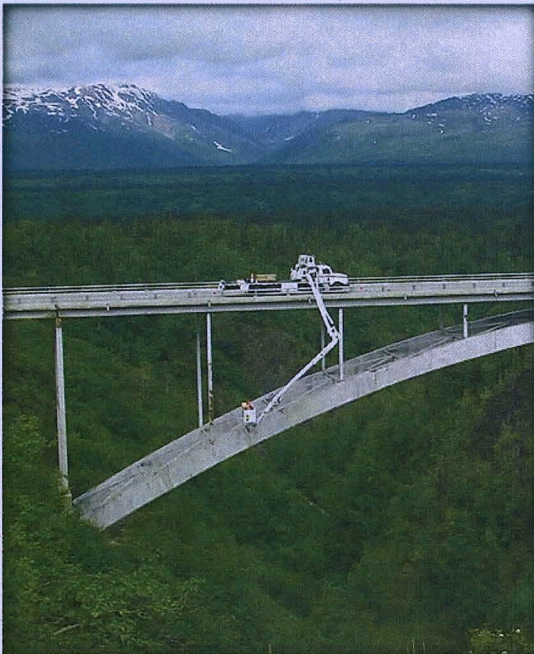


One of 47 signs installed in 2011 within four Safety Corridors.
Photo by Brendan Dougherty, Alaska DOT&PF

BRIDGES

1001 bridges on publicly-owned roads inspected by DOT&PF

- 822 bridges owned by the department
 - 76 culverts 20' or greater in diameter
 - 10 drive-down ramps to seaplane floats
 - 24 ramps at AMHS terminals
- 22 bridges owned by other state agencies
- 157 bridges owned by cities and boroughs



Bridge inspectors on Hurricane Gulch Bridge, Parks Highway.
Photo by John Orbistondo, Alaska DOT&PF



Bridge Section's Leslie Daugherty and Will Strehler observe as cranes pick up a girder of the Moose Creek Railroad Bridge.
Photo by John Orbistondo, Alaska DOT&PF

ALASKA MARINE HIGHWAY SYSTEM

- 11 Ferries serving 35 ports in Alaska, Prince Rupert B.C., and Bellingham, WA
- 3,500 route miles
- 288,133 total passengers in CY2015
- 100,547 total vehicles in CY2015
- 63% of ferry users are Alaska residents
- 20% of resident users live more than 50 miles from a ferry-serviced community

Alaska Marine Highway System (AMHS) service is divided into two major systems:

Southeast System – Bellingham north to Yakutat with seven vessels.

Vessels:

- | | | |
|-------------------|-----------------|-----------------|
| ○ M/V Columbia | ○ M/V Lituya | ○ M/V Matanuska |
| ○ M/V Fairweather | ○ M/V Malaspina | ○ M/V Taku* |
| ○ M/V LeConte | | |

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 with four vessels.

Vessels:

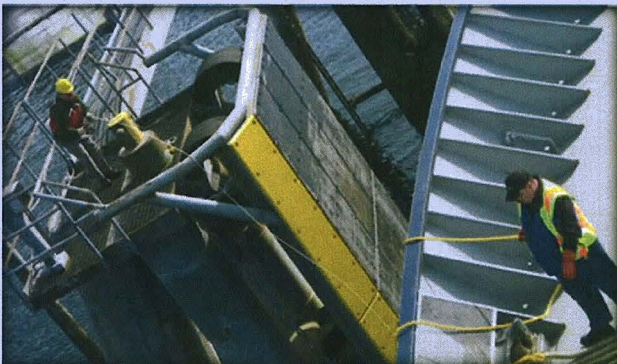
- M/V Aurora
- M/V Chenega**
- M/V Kennicott (serves both Southeast and Southwest with cross-gulf service)
- M/V Tustumena

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

***The M/V Taku is no longer in service. The AMHS is in the process of divestiture of this ferry vessel.**

****The M/V Chenega is currently out of service due to budget reductions. This ferry vessel is in long-term un-crewed layup.**



Ketchikan Terminal Agent tying up the M/V Matanuska as ship's personnel secures the line. Photo by Sabra Lichty, Alaska DOT&PF



M/V Kennicott in Ketchikan performing a fast rescue boat drill. Photo by Sabra Lichty, Alaska DOT&PF

AIRPORTS

The Alaska Aviation System is the largest system in North America. The State of Alaska owns and operates 242 airports including the Fairbanks 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.

Alaska's 663,268 square miles of land and water served by:

- 306 certified air carriers providing commercial and on-demand services
- 7,933 active pilots
- 9,346 registered aircraft in Alaska
- 747 recorded landing areas (public, private, and military)

- 114 seaplane bases in Alaska (most in the country)
- 55 paved runways
- 227 aviation weather camera sites

Ted Stevens Anchorage International Airport

- 1 in 10 jobs in Anchorage tied to the Airport for a total of 15,577 jobs
- 5 million passengers transit the airport annually
- Lake Hood located at ANC is the world's largest and busiest seaplane base
- #4 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 20 jobs in Fairbanks tied to the Airport for a total of 1,900 jobs
- 4 parking spots for heavy cargo aircraft
- Alternate airport for Anchorage
- 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



Naknek Airport.
Photo by Rebecca Rauf, Alaska DOT&PF



Ted Stevens Anchorage International Airport.
Photo by Dave Krause, Alaska DOT&PF

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:

- \$3.5 Billion to the state economy (includes operations of airports and direct spending associated with airports)
- 47,000 jobs, this represents 10% of all jobs in Alaska

- 8% of Alaska's gross state product

The Alaska International Airport System (AIAS) represents:

- 479 Employees in the AIAS (380 Anchorage, 99 Fairbanks)
- Ted Stevens Anchorage International Airport has the 4th largest cargo throughput operation in the world and 2nd in the U.S.

One in ten jobs in Anchorage is related to the Airport:

- \$724M in direct annual payroll
- \$303M in annual payroll jobs in the community

One in twenty jobs in Fairbanks is related to the Airport:

- \$225M in economic output
- Ranked 82nd in the nation in total aircraft movements (2015)



Surveying ANC Runway 7R, Korean Airliner above.
Photo by Ryan Quigley, Alaska DOT&PF



Winter sunrise at Fairbanks International Airport.
Photo by Rebekah Cadigan, Alaska DOT&PF

STATE EQUIPMENT FLEET

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

- \$20.4m Capital Budget
- \$34m Operating Budget including:
 - \$17.5m Personnel-164 Staff positions
 - \$738k Travel- mostly in support of rural airport equipment maintenance

- \$2m Contractual- Freight and outside vendor repairs
- \$13.6m Commodities- Fuel, parts, lubricants, tires, and supplies
- 164 staff to provide statewide services including...
 - 129 technicians and 5 managers supporting 79 maintenance stations and 249 airports
 - 15 parts staff at 7 hubs managing \$8million in annual purchases
 - 18 contracting, administrative and system support staff to administer the functions of the fleet.
 - In FY16 staff spent over 1,100 hours in support of fires for the Department of Natural Resources and over 6,500 hours supporting Maintenance & Operations snow and ice control and Aircraft Rescue and Fire Fighting (ARFF) duties.
- 49 maintenance shops statewide providing support for DOT&PF, the rural airport system and the entire executive branch fleet of vehicles and equipment.
- 7,158 assets for the Executive Branch Agencies; 897 licensed assets from the University system and Alaska Housing.
- 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 billed through the SEF system.



Plow trucks at Southcoast Region DOT&PF ready for snow.
Photo by Jeremy Woodrow, Alaska DOT&PF



Gustavus Aircraft Rescue and Fire Fighting (ARFF) truck.
Photo courtesy of Rosenbauer (manufacturer).

MEASUREMENT STANDARDS AND COMMERCIAL VEHICLE ENFORCEMENT

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) 2016:

- 18,437 device inspections were conducted statewide
- 18.4% of the inspected devices were rejected or issued a repair notice
- 21,750 retail items were checked for price accuracy with errors found on 1.5%
- 445 package lots were tested for net contents accuracy and 5,020 packages were sampled which represents 52,315 packages. A total of 4,057 lots failed testing and were placed off-sale.

Commercial Vehicle Enforcement (CVE) is responsible for the State vehicle size and weight program and the commercial motor vehicle/driver safety inspection program. These enforcement activities serve to preempt crashes, injuries and fatalities by removing unsafe drivers and vehicles from the road. In Federal Fiscal Year (FFY) 2016:

- 7,757 safety inspections conducted
- 789 unsafe vehicles and 147 unsafe drivers removed from the road
- 7,905 safety violations documented: 6,063 vehicles, 1,723 drivers, and 119 hazardous materials
- 59,432 vehicles weighed at weigh stations and 400 vehicles at mobile roadside checks
 - 937 unpermitted overweight trucks, of which 330 received a written citation
 - Weight compliance was 98.4%

Performance Measures – Commercial Vehicle Enforcement

- Reduce the number of Federally-reportable Commercial Vehicle (CMV) related crashes below a rolling 3-year Calendar Year (CY) 2013-2015 average of 109
 - In CY2015 – 284 CMV-related crashes (this is preliminary data as of 11/08/2016)
- Reduce the fatality rate below 0.114 fatalities per 100M total vehicle miles traveled
 - In CY2015 – 0.0396 fatalities per 100M total vehicle miles traveled (this is preliminary data as of 11/08/2016)



Commercial Vehicle Enforcement officer Becky Legg-Merrill explains a vehicle inspection to a young man in Nome.
Photo by Susan Adkinson, Alaska DOT&PF



Measurement Standards Metrology Lab.
Photo by Gary Brown, Alaska DOT&PF

PUBLIC FACILITIES

Statewide Public Facilities is responsible for managing the planning, design and construction of new and renovation projects for most agencies within the State of Alaska.

- Currently managing 155 projects for 15 different agencies
- Total value of over \$510M

Tribal Relations Liaison: Spring 2015 – Present

- Working with the Governor's Office to improve working relationships with Alaska Tribes
- Working with individual Tribes who have DOT&PF projects in their communities

Shared Services Facilities Maintenance Project: Summer 2015 – Present

- Providing project management personnel to this project. Personnel include Project Director, two Project Managers and Administrative support.
- Project goals are to improve both the efficiency and effectiveness of facilities maintenance across all State of Alaska Departments.

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 50 facilities.
- Current annual energy savings of \$2.4M has been achieved from completed projects.
- Over \$30M in energy retrofit projects have been completed.
- Over 9,500 tons of carbon reduction was achieved as a result of completed projects.
- Currently executing a financed energy project in 16 DOT&PF Northern Region facilities, with expected completion in early 2016 and projected annual savings of \$242K.
- Working with the Department of Corrections (DOC) to finance an energy project at the Spring Creek Correctional Center in Seward, with expected construction in 2016 and projected annual savings of \$299K.



William Jack Hernandez Sport Fish Hatchery
Photo by Ken Graham



Bethel Youth Facility
Photo by Alaska DOT&PF

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 \$1,750,000 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) provides needed match funds for the above grants.
- Purchased ten vehicles for rural communities and 2,489,567 rides were provided in rural Alaska and Fairbanks. Anchorage reports these figures directly to FTA.
- Awarded \$7,376,173 in FTA funds; \$1,518,748 in AMHT funds; and \$766,567 in ASGF funds in 2016. Total funding was \$9,661,488.
- Supported effort of Community and Public Transportation Advisory Board to improve coordination of public and client-based transportation funding and services across agencies and in communities.



Public transit in beautiful downtown Sitka.
Photo by Alaska DOT&PF



Public transit serving Ketchikan. The "Salmon Run" bus was painted by Ray Troll.
Photo by Alaska DOT&PF

For more information please contact:

Mike Lesmann, Legislative Liaison

(907) 465-3900

dot.leg@alaska.gov



Alaska Department of Transportation & Public Facilities

PO Box 112500

3132 Channel Drive

Juneau, Alaska 99811-2500

dot.alaska.gov