



Alaska Department of Transportation & Public Facilities

JOINT TRANSPORTATION COMMITTEE HIGHWAYS OVERVIEW

Deputy Commissioner K. Kim Rice, P.E.
January 22, 2013



Outline

- DOT & PF
 - Purpose - Statutes
 - Agency's Mission
- DOT&PF's Organization
 - Headquarters – Programs, Policy
 - Regions – Capital Program Delivery; M&O
- Budget – Operating & Capital
- Strengths / Challenges / Initiatives
- Web Information



Alaska Statute

AS 44.42.020 Department of Transportation and Public Facilities

(a) The department shall

- (1) plan, design, construct, and maintain all state modes of transportation and transportation facilities and all docks, floats, breakwaters, buildings, and similar facilities;
- (2) study existing transportation modes and facilities in the state to determine how they might be improved or whether they should continue to be maintained;
- (3) study alternative means of improving transportation in the state with regard to the economic costs of each alternative and its environmental and social effects;
- (4) develop a comprehensive, long-range, intermodal transportation plan for the state;
- (5) study alternatives to existing modes of transportation in urban areas and develop plans to improve urban transportation;
- (6) cooperate and coordinate with and enter into agreements with federal, state, and local government agencies and private organizations and persons in exercising its powers and duties;
- (7) manage, operate, and maintain state transportation facilities and all docks, floats, breakwaters, and buildings, including all state highways, vessels, railroads, pipelines, airports, and aviation facilities;



Alaska Statute

AS 44.42.020 Department of Transportation and Public Facilities

(a) The department shall (con't)

(8) study alternative means of transportation in the state, considering the economic, social, and environmental effects of each alternative;

(9) coordinate and develop state and regional transportation systems, considering deletions, additions, and the absence of alterations;

(10) develop facility program plans for transportation and state buildings, docks, and breakwaters required to implement the duties set out in this section, including but not limited to functional performance criteria and schedules for completion;

(11) supervise and maintain all state automotive and mechanical equipment, aircraft, and vessels, except vessels and aircraft used by the Department of Fish and Game or the Department of Public Safety; for state vehicles maintained by the department, the department shall, every five years, evaluate the cost, efficiency, and commercial availability of alternative fuels for automotive purposes, and the purpose for which the vehicles are intended to be used, and convert vehicles to use alternative fuels or purchase energy efficient vehicles whenever practicable; the department may participate in joint ventures with public or private partners that will foster the availability of alternative fuels for all automotive fuel consumers;

(12) supervise aeronautics inside the state, under AS 02.10;

(13) implement the safety and financial responsibility requirements for air carriers under AS 02.40;

(14) inspect weights and measures;

(15) at least every four years, study alternatives available to finance transportation systems in order to provide an adequate level of funding to sustain and improve the state's transportation system.



Alaska Statute

- **Alaska Statutes: AS 19.05.125 Purpose.**

The purpose of AS 19.05 - AS 19.25 is to establish a highway department capable of carrying out a highway planning, construction, and maintenance program that will provide a common defense to the United States and Alaska, a network of highways linking together cities and communities throughout the state (thereby contributing to the development of commerce and industry in the state, and aiding the extraction and utilization of its resources), and otherwise improve the economic and general welfare of the people of the state.



Mission

“Get Alaska moving through service and infrastructure.”

To do this we:

- Provide for the safe and efficient movement of people and goods
- Provide access to state services
- Open opportunities for exploration and development of Alaska’s resources



Core Values

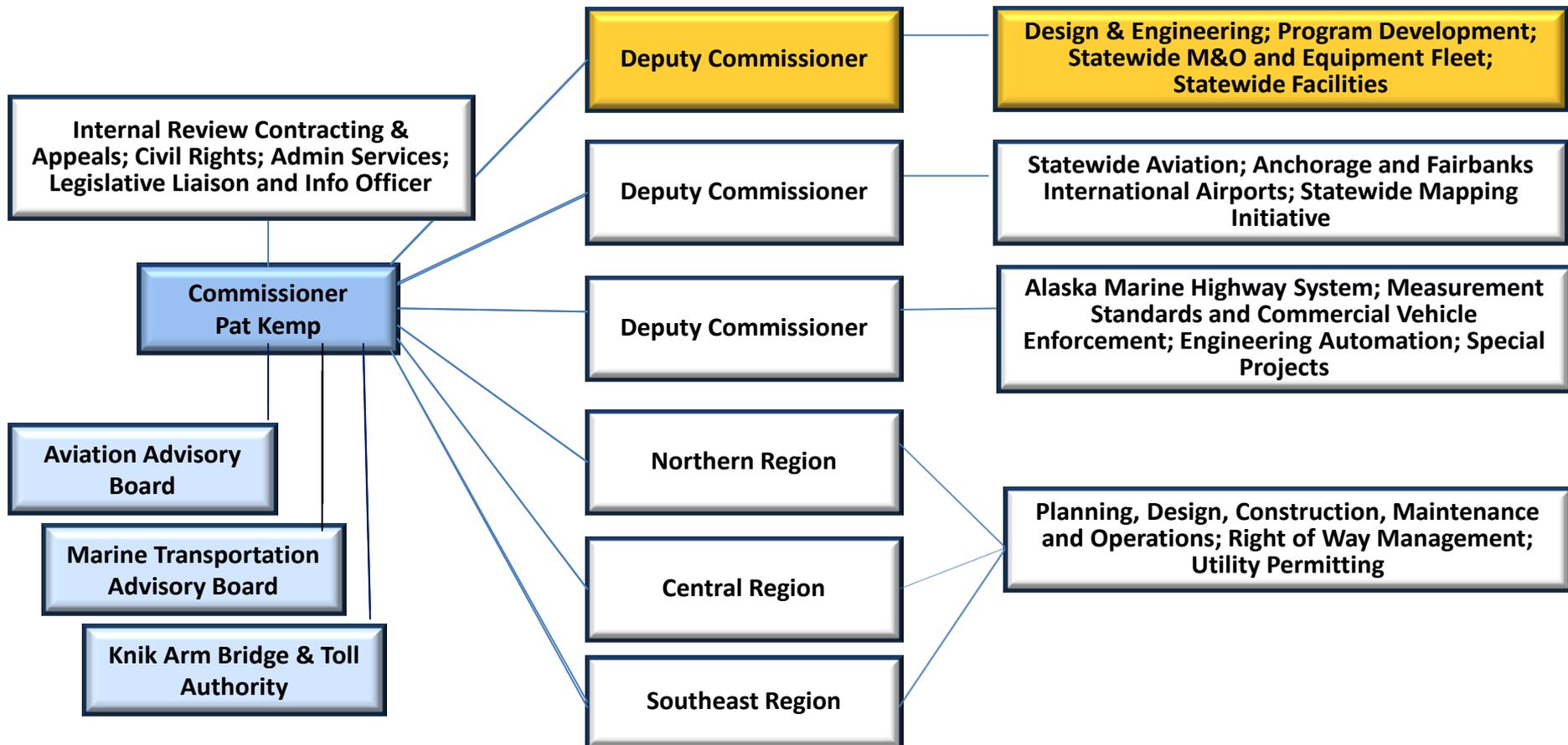
“Get Alaska moving through service and infrastructure.”

To do this we Encourage/Embrace the 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 superior service and products
- **Respect:** Positive regard for colleagues and customers



Organization





Statewide Functions

- Statewide Engineering
 - Standards, Bridge Design, Harbors
 - Geotechnical/Materials, Right of Way, Environmental
- Statewide Maintenance
- Planning/Program Development
 - STIP, long range plan, data warehouse, highway safety office
- Administrative, Commercial Vehicles, State Equipment Fleet, Facilities
- Statewide Aviation, AMHS

- <http://dot.state.ak.us/>



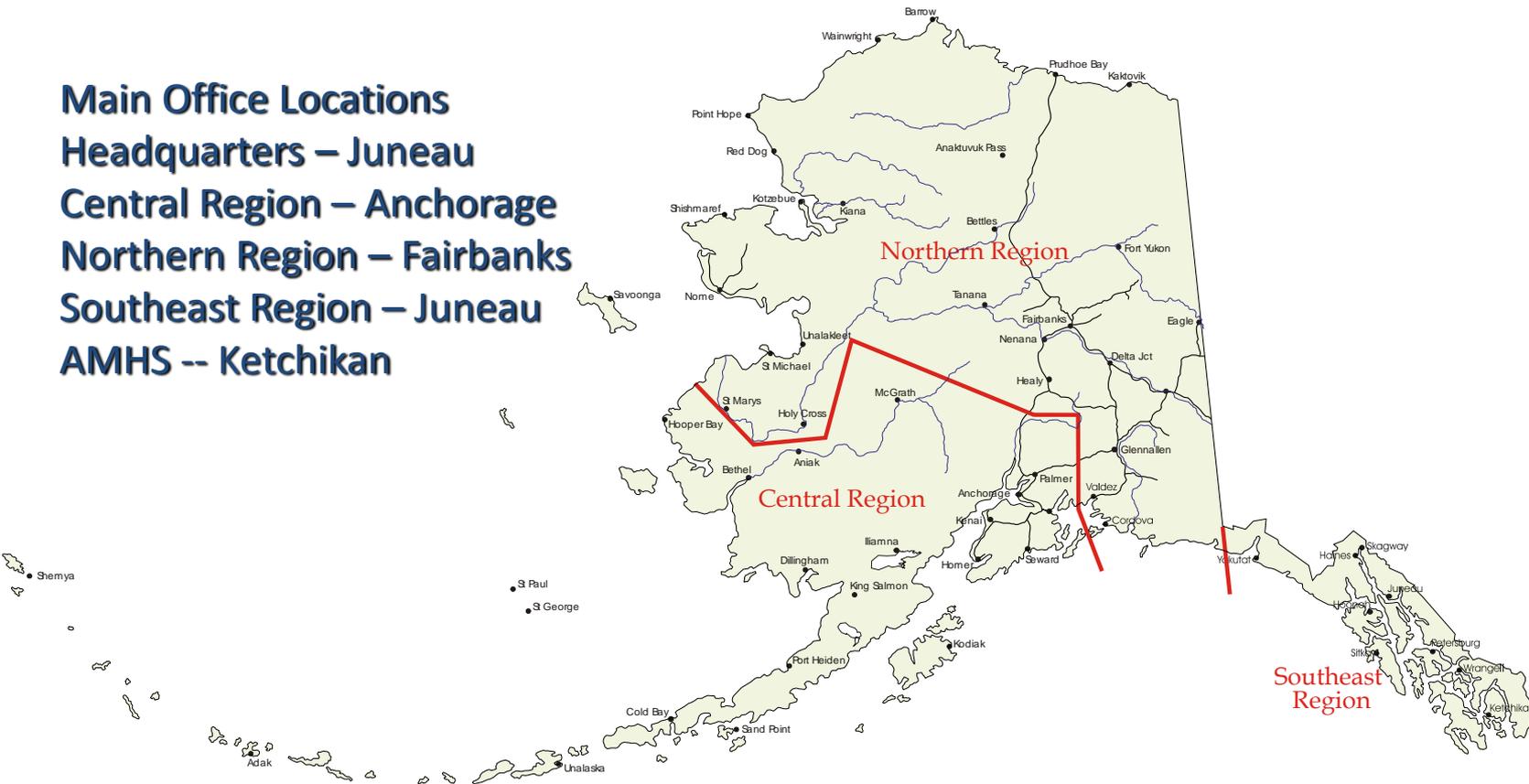
Regional Offices

- 3 Geographic regions:
 - Highway design and construction
 - M&O to both highways and rural aviation systems
 - Planning, ROW, environmental, other
 - Rural aviation design, construction and leasing



DOT&PF Regional Boundaries

- Main Office Locations
- Headquarters – Juneau
- Central Region – Anchorage
- Northern Region – Fairbanks
- Southeast Region – Juneau
- AMHS -- Ketchikan



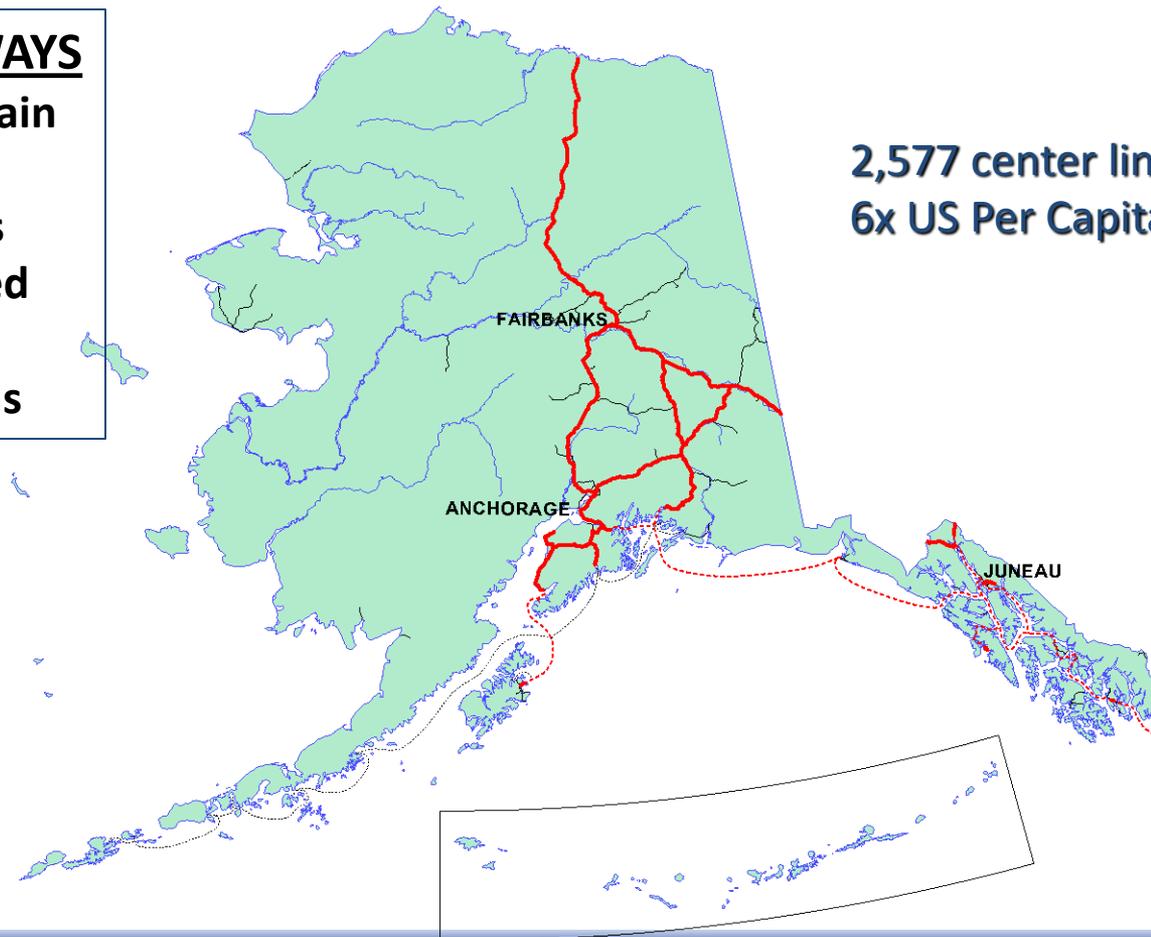
<http://dot.state.ak.us/regions-portal.shtml>



National Highway System

DOT&PF HIGHWAYS

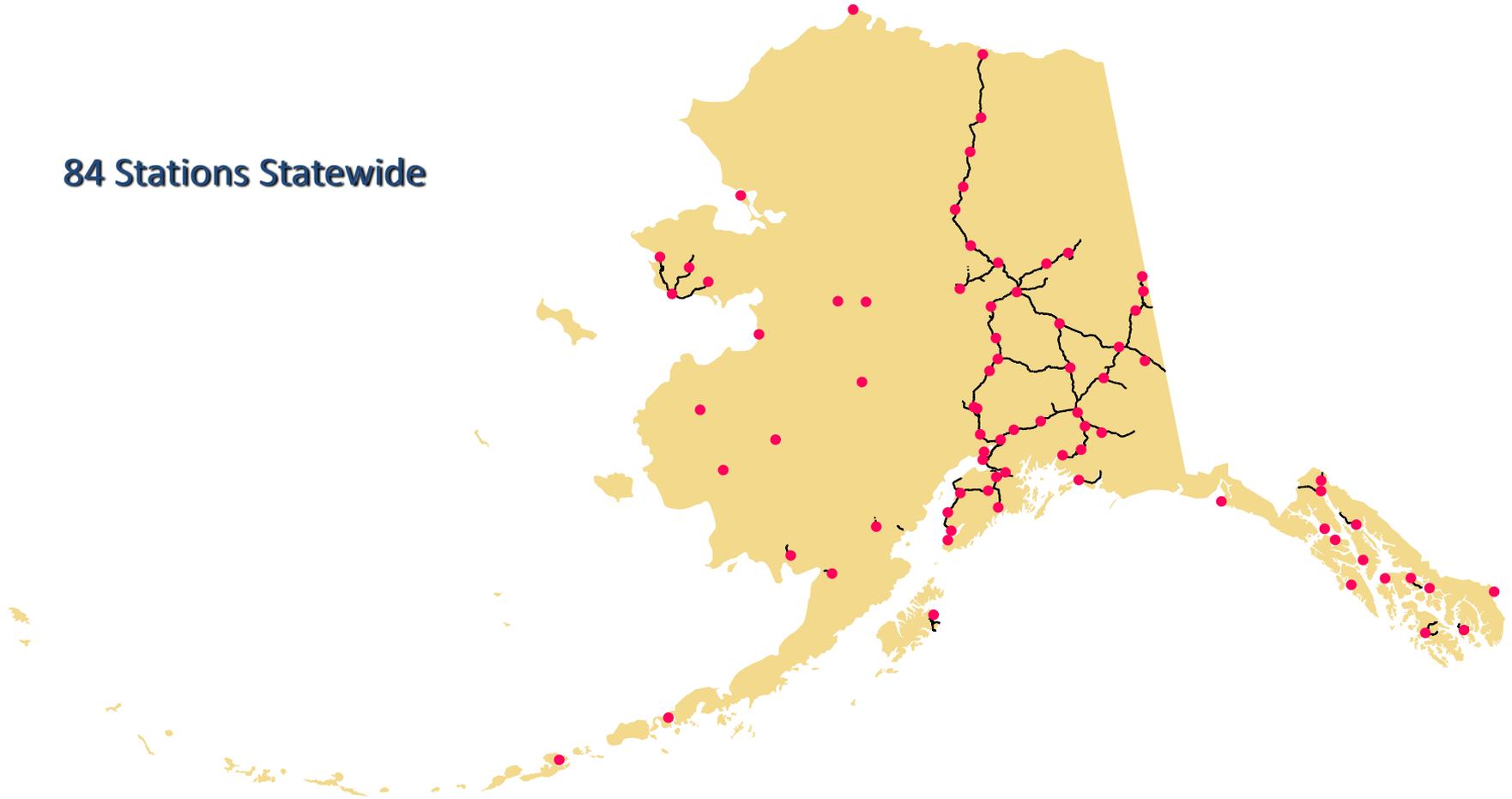
- Own and maintain 5,601 miles of roads/highways
- 805 State Owned Bridges
- 7 Weigh Stations





DOT&PF Maintenance Stations

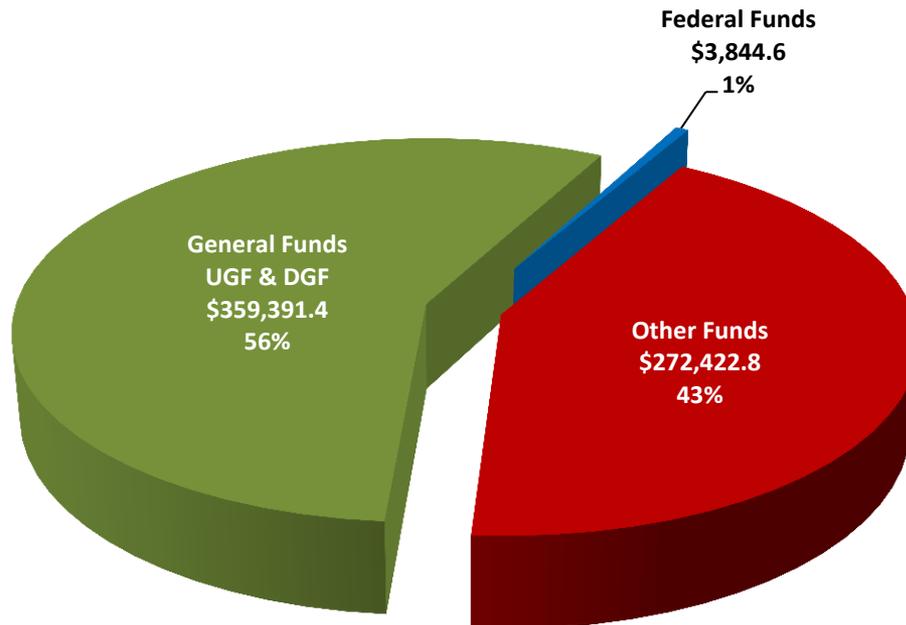
84 Stations Statewide





FY14 Operating Budget

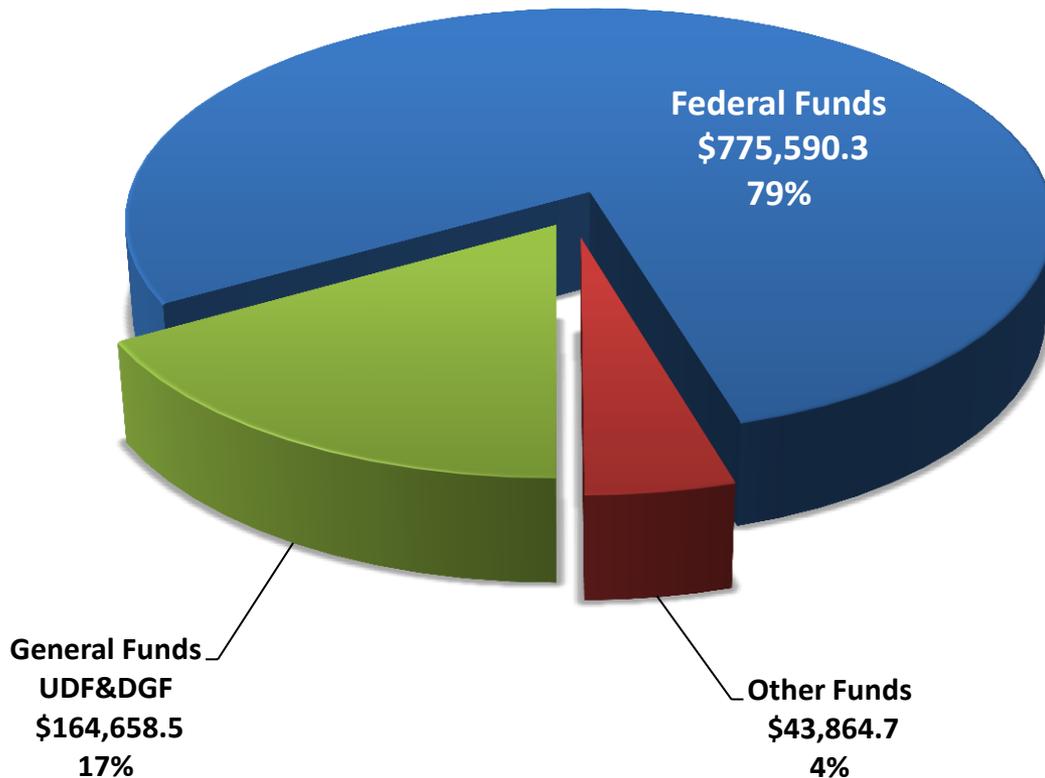
Total: \$635,658.8





FY14 Capital Budget

Total: \$984,113.5

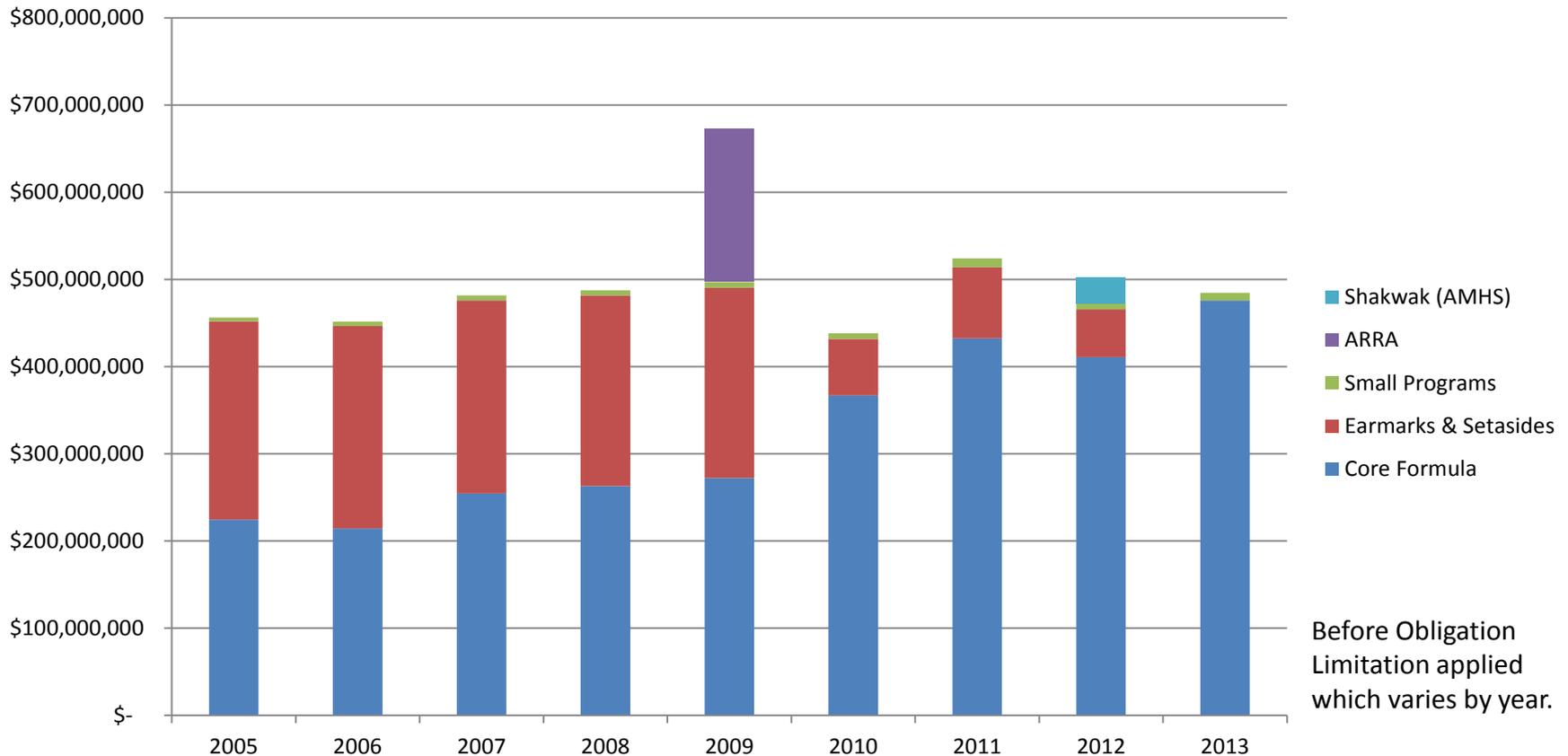


Federal Programs	Amounts
Aviation Program	\$191,444.3
Highway Program	\$501,500.0
Statewide Federal Programs	\$82,650.0

- **Federal Highway Program (FHWA)**
- Federal Aviation Program (FAA)
- Federal Transit Administration (FTA)
- National Highway Traffic Safety Administration (NHTSA)
- Federal Motor Carrier Safety Administration (FMCSA)

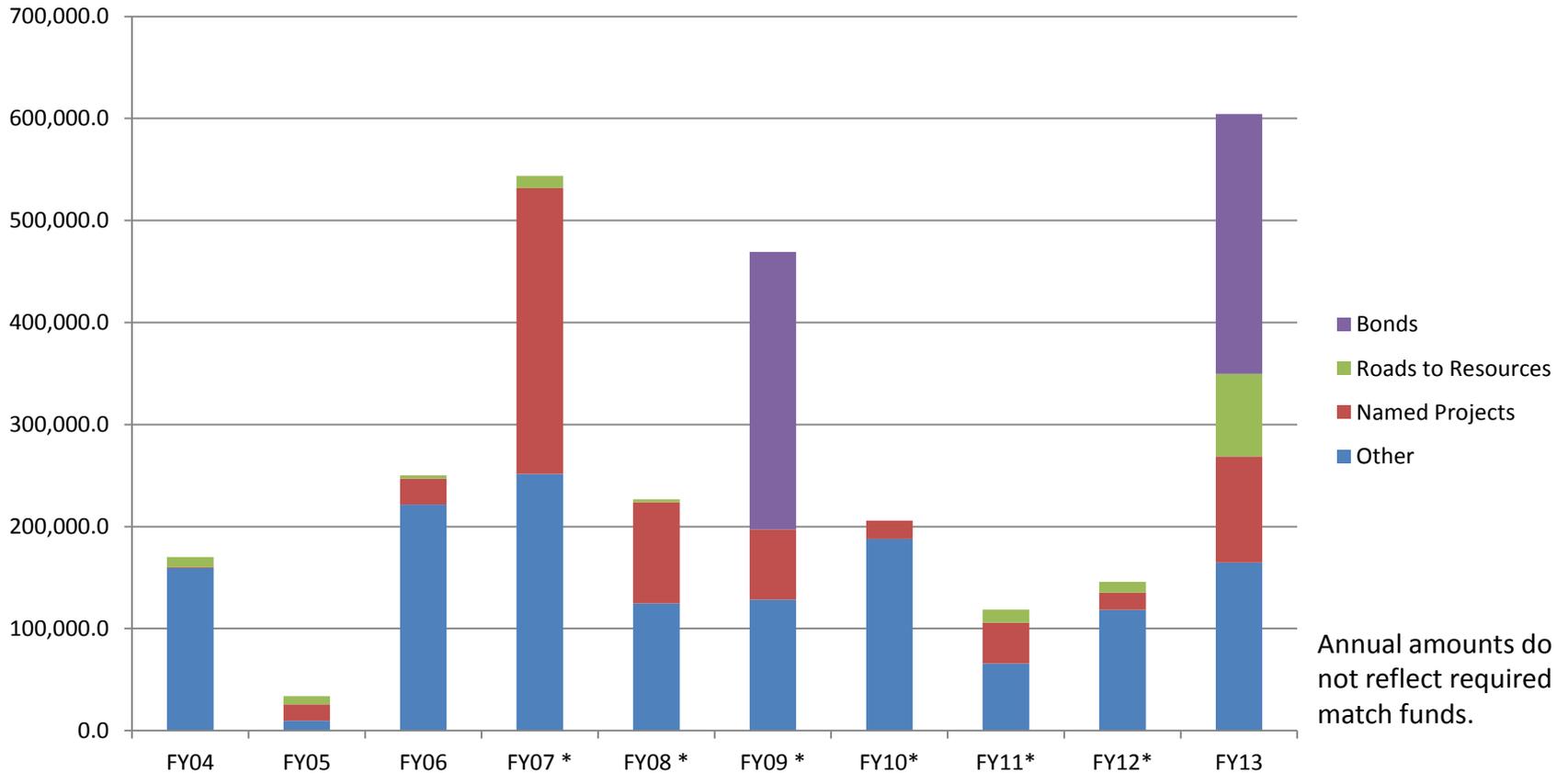


Federal Capital Program



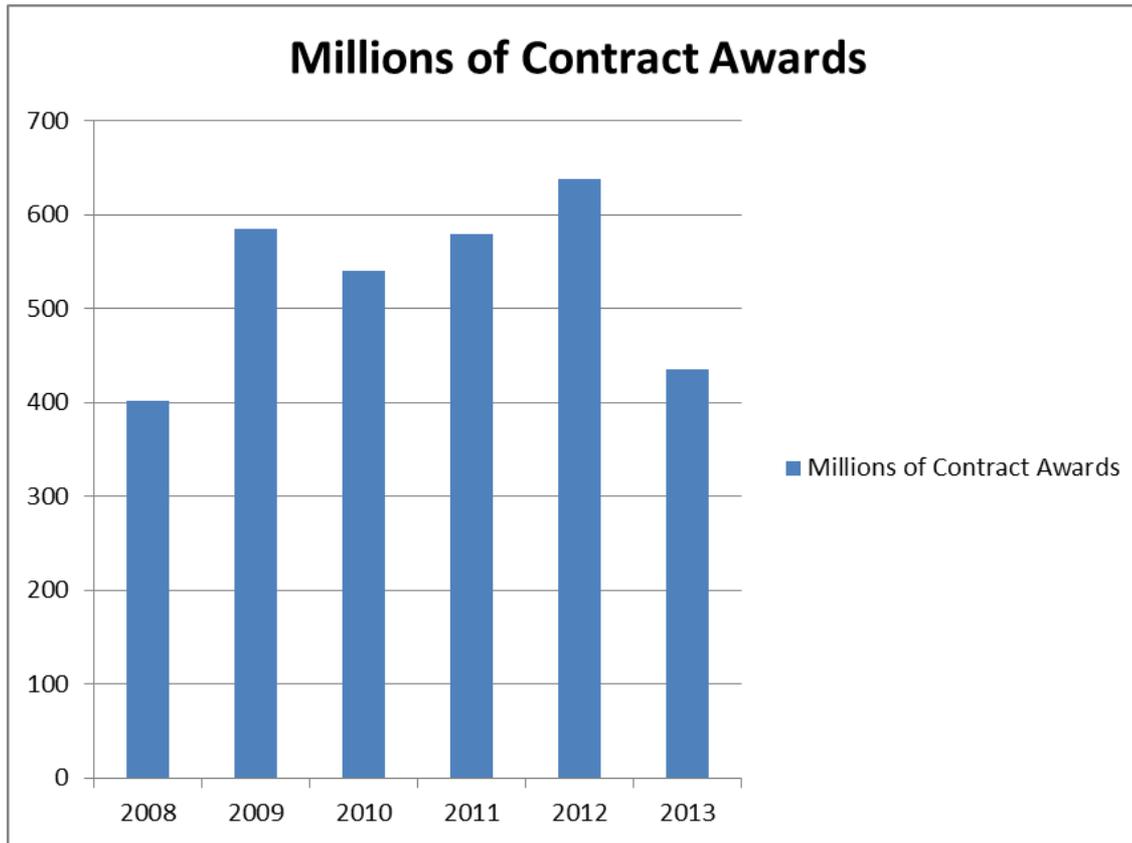


State Capital Program





DOT&PF Capital Construction Projects



NOTE:

a. All construction awards (aviation, marine highways, highways, facilities)

b. All fund sources – State, GF, Federal

c. 2013 is estimated. - will likely be larger.

<http://www.dot.state.ak.us/procurement/index.shtml>



Strengths

- **History of success**
 - Tough mission, in a tough environment
 - Permafrost, mountains, oceans, extreme climate, vast distances
- **Not just about highways / Most diverse state DOT among 50 states / Multi-model**
- **Workforce –Great People!**
 - Strong work ethic
 - Competence - experience, expertise, knowledge
 - Dedicated
 - Pride in accomplishments
- **Quantity and quality of assets**
- **Diverse & interesting challenges**
 - Opportunity for growth
 - Opportunity to serve



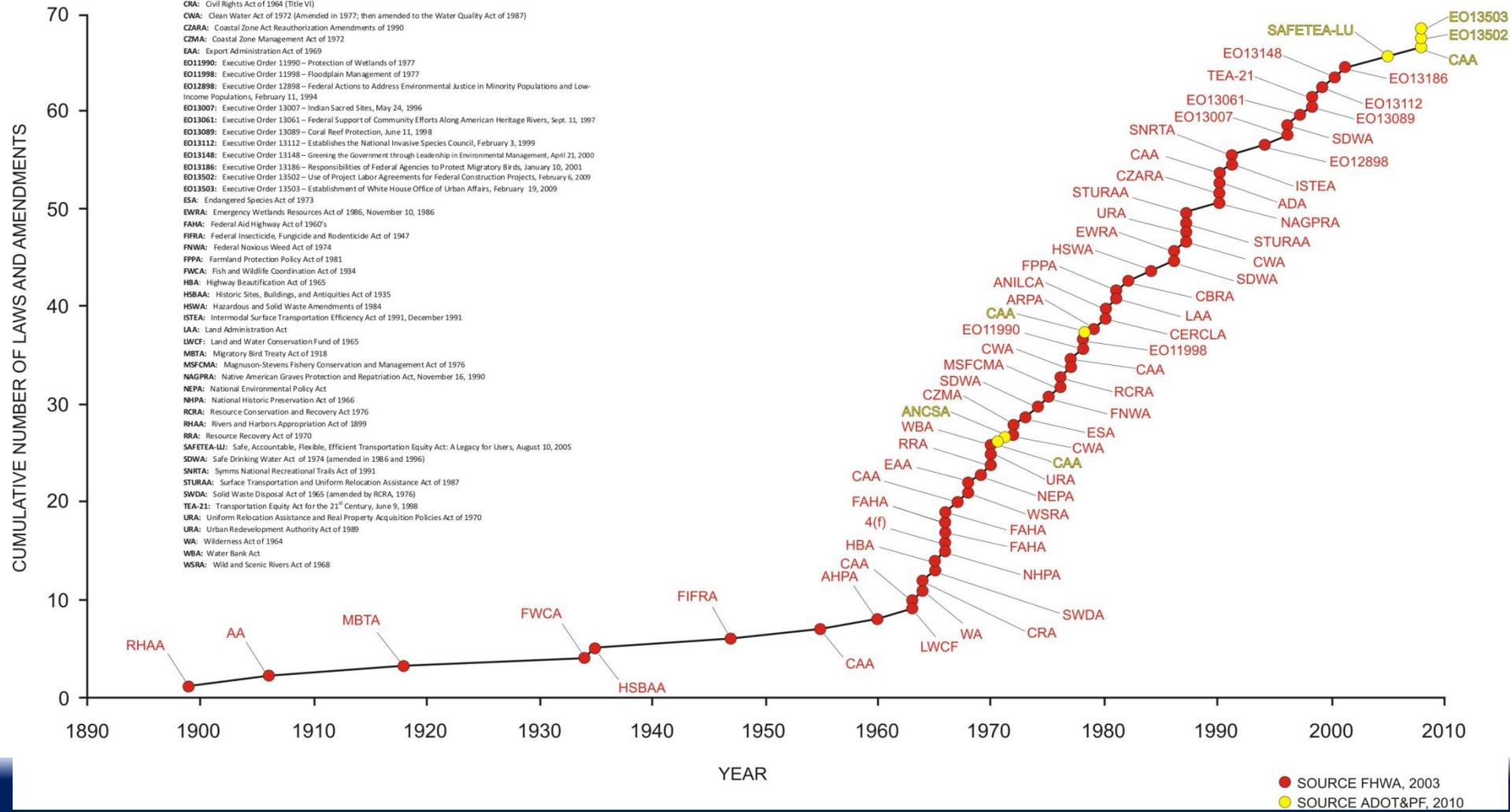
Challenges

- M&O \$ – Balancing budget against needs, changing conditions and expectations
- Capital \$ – very dependent upon federal funds, dollars not indexed to need or construction cost
 - Rural essential needs
 - Population growth demands, more lanes
 - Safety issues
- Staffing – Aging workforce / Recruitment & Retention
- Environmental issues – continue to expand, new issues being raised, longer process timelines

Federal Environmental Requirements Affecting Transportation

Acronym – Description

- 4(f): Section 4(f) of the Department of Transportation Act of 1966
- AA: American Antiquities Act of 1906
- ADA: Americans with Disabilities Act of 1990 (also ADA Amendments Act of 2008)
- AHPA: Archeological and Historic Preservation Act of 1974 (Expansion of Reservoir Salvage Act of 1960)
- ANCSA: Alaska Native Claims Settlement Act, 1971
- ANILCA: Alaska National Interest Lands Conservation Act, 1980
- ARPA: Archeological Resources Protection Act of 1979
- CAA: Air Pollution Control Act of 1955 (later replaced by Clean Air Act of 1963, amended in 1970, 1977, 1990; Endangerment Finding regarding greenhouse gases, 2009)
- CBRA: Coastal Barrier Resources Act of 1982
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (Superfund)
- CRA: Civil Rights Act of 1964 (Title VI)
- CWA: Clean Water Act of 1972 (Amended in 1977; then amended to the Water Quality Act of 1987)
- CZARA: Coastal Zone Act Reauthorization Amendments of 1990
- CZMA: Coastal Zone Management Act of 1972
- EAA: Export Administration Act of 1969
- EO11990: Executive Order 11990 – Protection of Wetlands of 1977
- EO11998: Executive Order 11998 – Floodplain Management of 1977
- EO12898: Executive Order 12898 – Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, February 11, 1994
- EO13007: Executive Order 13007 – Indian Sacred Sites, May 24, 1996
- EO13061: Executive Order 13061 – Federal Support of Community Efforts Along American Heritage Rivers, Sept. 11, 1997
- EO13089: Executive Order 13089 – Coral Reef Protection, June 11, 1998
- EO13112: Executive Order 13112 – Establishes the National Invasive Species Council, February 3, 1999
- EO13148: Executive Order 13148 – Greening the Government through Leadership in Environmental Management, April 21, 2000
- EO13186: Executive Order 13186 – Responsibilities of Federal Agencies to Protect Migratory Birds, January 10, 2001
- EO13502: Executive Order 13502 – Use of Project Labor Agreements for Federal Construction Projects, February 6, 2009
- EO13503: Executive Order 13503 – Establishment of White House Office of Urban Affairs, February 19, 2009
- ESA: Endangered Species Act of 1973
- EWRA: Emergency Wetlands Resources Act of 1986, November 10, 1986
- FAHA: Federal Aid Highway Act of 1960's
- FIFRA: Federal Insecticide, Fungicide and Rodenticide Act of 1947
- FNWA: Federal Noxious Weed Act of 1974
- FPPA: Farmland Protection Policy Act of 1981
- FWCA: Fish and Wildlife Coordination Act of 1934
- HBA: Highway Beautification Act of 1965
- HSBAA: Historic Sites, Buildings, and Antiquities Act of 1935
- HSWA: Hazardous and Solid Waste Amendments of 1984
- ISTEA: Intermodal Surface Transportation Efficiency Act of 1991, December 1991
- LAA: Land Administration Act
- LWCF: Land and Water Conservation Fund of 1965
- MBTA: Migratory Bird Treaty Act of 1918
- MSFCMA: Magnuson-Stevens Fishery Conservation and Management Act of 1976
- NAGPRA: Native American Graves Protection and Repatriation Act, November 16, 1990
- NEPA: National Environmental Policy Act
- NHPA: National Historic Preservation Act of 1966
- RCRA: Resource Conservation and Recovery Act 1976
- RHAA: Rivers and Harbors Appropriation Act of 1899
- RRA: Resource Recovery Act of 1970
- SAFETEA-LU: Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users, August 10, 2005
- SDWA: Safe Drinking Water Act of 1974 (amended in 1986 and 1996)
- SNRTA: Symms National Recreational Trails Act of 1991
- STURAA: Surface Transportation and Uniform Relocation Assistance Act of 1987
- SWDA: Solid Waste Disposal Act of 1965 (amended by RCRA, 1976)
- TEA-21: Transportation Equity Act for the 21st Century, June 9, 1998
- URA: Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970
- URA: Urban Redevelopment Authority Act of 1989
- WA: Wilderness Act of 1964
- WBA: Water Bank Act
- WSRA: Wild and Scenic Rivers Act of 1968





Challenges / Opportunities

- Federal Authorization – “Moving Ahead for Progress in the 21st Century” (MAP-21). Impacts available funding for local projects (Presentation by Mike Vigue)
- Roads to Resources (R2R) – (Presentation by Murray Walsh)



DOT&PF Information Sources

- DOT Website <http://dot.state.ak.us/>
- 511 – Traveler Information (Road Conditions, RWIS...) <http://511.alaska.gov/alaska511/mappingcomponent>
- Navigator Construction Status - <http://alaskanavigator.org/>
- Active Project Status - <http://dot.alaska.gov/projects-status/>
- Links to Project Websites http://dot.alaska.gov/project_info/index.shtml
- State Transportation Improvement Program <http://www.dot.state.ak.us/stwdplng/cip/stip/index.shtml>



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