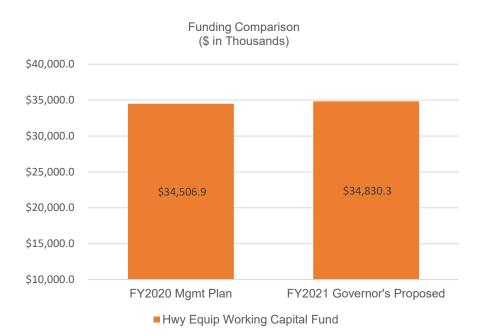
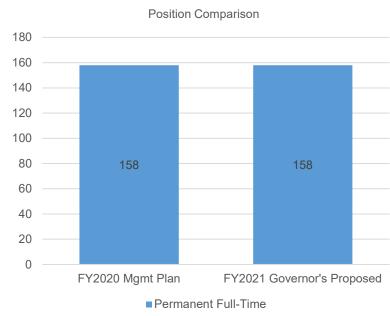


Funding and Position Count Comparisons







Who We Are and What We Do

158 Positions

126 mechanics in 54 shops located from Kotzebue to Ketchikan

32 support staffcontracting, parts, administration and technical support, managers

Shared Service supporting all departments

- Contracting, Procurement, Disposal
- Maintenance, Repair, Modification
- Fuel Card Management and Billing
- Labor Resource Pool:
 - Maintenance and Operations 6,880 hours in 2019
 - Department of Natural
 Resources 4,847 hours in 2019



HEWCF (HF)

Highway Equipment Working Capital Fund

- Internal Service Fund created to maintain the fleet and replace fleet vehicles
- SEF receives no direct General Fund appropriation; funding comes from fees paid by state agencies
- SEF is a shared service, our customers include:
 - All Executive Branch departments have SEF vehicles and equipment
 - SEF also provides asset management services for Alaska Housing Finance Corporation, University of Alaska, Alaska Railroad, Alaska Aerospace
 - 85% of SEF revenue generated by DOT&PF,
 80% from Maintenance and Operations





Shared Service for all Departments

Assets by Department	
01 Governor's Office	9
02 Administration	37
03 Law	12
04 Revenue	2
05 Education	10
06 Health & Social Services	253
07 Labor	77
08 Commerce & Econ Dev	17
09 Military & Veterans Affairs	93
10 Natural Rescources	631
11 Fish & Game	924
12 Public Safety	735
18 Environmental Conservation	67
20 Corrections	340
25 Transportation	4,170
31 Legislative Affairs	9
41 Court System	5
99 UA, AHFC, AEA, AIDEA	899
Total Fleet Assets	8,290

Full life - replaceable asset



X-Status - already replaced





SEF Challenges

Staffing Challenges

- Difficult to recruit in rural areas
- Shifting more to hub style staffing with week on week off shifts
- New staff coming on board with less experience than in the past
- Multiple vacancies in major shops (Anchorage, Fairbanks, Valdez)

Technology and Reliability Challenges

- New equipment requires more computer diagnostic skills than wrenchturning
- Electronics are not always built for severe climate conditions
- Tier IV Emissions for all equipment has brought new training challenges for operators and mechanics
- Equipment being asked to do more than ever before



Challenges - Diagnostics

- 33 Different Diagnostic Programs:
 - Some programs require exclusive laptops
 - Requires multiple laptops at single station
 - Laptops are shared between shops which can cause delays
 - Admin rights required requires Office of Information Technology assistance
 - FY2020 Renewal Costs \$174.0



\$ in Thousands

Challenges - Reliability

- Grader Rebuild Program
 - V#31024 1993 Caterpillar 14G
 - Complete rebuild February 2020 at 15k hours
 - Cost of rebuild \$315.0; replacement cost: \$650.0
 - Extended life 10-12 years
 - V#35286 2005 Caterpillar 14H
 - Complete rebuild April 2018 at 20k hours
 - Cost of Rebuild \$227.0; replacement cost \$650.0
 - Extend life 10-12 years
 - Four grader rebuilds completed, three more scheduled







Challenges - Reliability

- Plow Truck Chassis Swaps
 - V#38393 2012 Plow Truck 4,718 Hours
 - Removed Dump Box, Belly Blade, Plow and Hydraulics and installed on a 2020 Chassis
 - 61% Reduction in Operating Rate from FY2018 FY2020 (\$5,850.00/month to \$2,313.00/month)
 - Cost for new chassis & conversion: \$160.0
 - 10-12 years additional life for implements
 - Two swaps completed, many more planned







