

State of Alaska FY2002 Governor's Operating Budget

Department of Transportation/Public Facilities
Measurement Standards & Commercial Vehicle Enforcement
Component

Component: Measurement Standards & Commercial Vehicle Enforcement

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Component Mission

The mission of the Division of Measurement Standards and Commercial Vehicle Enforcement is to provide public protection and preservation of the state's transportation infrastructure by enforcing federal and state statutory and regulatory requirements in the truck size, weight and safety enforcement program, and the weights and measures program.

Component Services Provided

Size, Weight and Safety:

- Oversize/Overweight CMV Permits - Issues oversize/overweight permits. A permit specifies the routes and conditions under which vehicles or loads that exceed legal dimensions and weight limitations set by statute and regulation may move on the state highway system. Danger and inconvenience to the travelling public is minimized and potential damage to the highway structures and bridges is reduced.
- Weigh Stations - Operates ten-fixed weigh stations at key locations across the state. Vehicles are weighed and inspected, the objectives of which are to minimize non compliant commercial vehicle operators by ensuring that drivers and vehicles meet federal and state operating requirements and operate in a safe and responsible manner, as well as within applicable size and weight permit limitations.
- Mobile Units - Performs roadside CMV inspections using mobile inspection teams. The key objective is to provide size, weight and safety inspections at random roadside locations throughout the state.
- CMV Safety Training and Crash inspection - Provide training and coordination of secondary size, weight and safety enforcement activity to other state and local enforcement agencies. As requested, perform vehicle inspections at CMV crashes.
- CVE Outreach - Provide on-site training in CV safety and enforcement for local police departments, Alaska State Troopers, and CV operators, mechanics and other management and support personnel.

Weights and Measures:

- Package testing program - Tests prepackaged commodities at the wholesale and retail level. This function protects both consumers and merchants to ensure that the stated net weight or volume is accurate.
- Scales testing program - Inspect, test and certify the accuracy of scales used in commerce within the state. This includes scales used in the fishing, construction, warehousing and freight industries, as well as scales in retail stores. This function protects both consumers and merchants by ensuring that scales do not overstate or understate actual product being measured. Also inspect at-sea fish processor scales through a contractual agreement with the U.S. Department of Commerce, National Marine Fisheries Service for scales used in the Bering Sea Pollock fisheries.
- Scanner testing program - Tests the accuracy scanners used at retail points of sale to ensure proper pricing of products. This function protects both consumers and merchants by ensuring that scanners do not overcharge or undercharge products available for sale.
- Petroleum testing program - Inspect, test and certify the accuracy of a variety of fuel meters used in commerce within the state. This function protects both consumers and merchants by ensuring that meters do not overstate or understate the volume of fuel being sold.

Metrology Lab:

Provides testing, calibration and certification of standards for mass, length, volume and speed detection to federal, state and local government organizations as well as to the private sector.

- Mass measurement - Test and calibrate mass standards up to 1000 lbs. The laboratory evaluates and adjusts test weights used by state weights and measures inspectors for field testing in the scale-testing program. The standards used by the state weights and measures inspectors must be tested and certified on an annual basis as prescribed by Alaska statutes. Mass measurement services are also provided for industry and other government entities.
- Length measurement - Test and calibrate length standards. Provide testing and calibration of graduated tapes up to 100 feet in length.

- Volumetric measurement - Test and calibrate test volumes up to 1500 gallons. The laboratory evaluates and adjusts test measures and provers used by state weights and measures inspectors for field testing in the petroleum testing program. The standards used by the state weights and measures inspectors must be tested and certified on an annual basis as prescribed by Alaska Statutes. Volumetric testing services are also conducted for industry and other government entities.
- Speed Detection Unit Testing - Test speed detection units (radar guns) used in law enforcement. Testing includes evaluation of tuning forks used with the device, as well as testing for correct operation of the device itself. Services are provided for federal, state and local law enforcement organizations.

Component Goals and Strategies

To provide protection for the motoring public:

- Maintain and upgrade weigh station and truck inspection enforcement facilities through performing deferred maintenance.
- Implement initiatives as addressed in the Intelligent Transportation System/Commercial Vehicle Operations (ITS/CVO) Business Plan for Alaska.
- Increase the number of permitted commercial motor vehicle (CMV) moves of overweight/oversize loads, by making the application process easier and more accessible through automation.
- Promote safe and efficient movement of CMV traffic on the state highway system.

To provide equity in the marketplace by creating a level playing field:

- Increase the hours of operation for the weigh stations so all non-compliant CMV's and operators have the same probability of being inspected.
- Increase CMV safety inspections through contracting with local and regional law enforcement agencies.
- Replace/enhance the Weights and Measures information system.
- Replace/upgrade Weights and Measures vehicles and test equipment.
- Provide precision measurement services to government and industry.
- Maintain confidence in the accuracy of commercial marketplace measurements.

To protect the State's investment in infrastructures:

- Regulate the incidence of oversize and overweight vehicle loads in order to extend the functional life of the states highway structure and bridges.
- Pursue long term funding alternatives for the CMV size, weight and safety program.

Key Component Issues for FY2001 – 2002

- The Division will continue to implement the projects identified in the Alaska ITS/CVO Business Plan, as accepted by the Federal Highway Administration (FHWA). A key element of this new automation program is to design and construct the systems needed to meet Commercial Vehicle Information Systems and Networks (CVISN) Level 1 deployment. Most of the projects will be developed through professional service agreements.
- In the interest of reducing its dependency on general fund revenues, the division increased the weight and measurement device registration fees in FY01. The fee structure for this program has remained unchanged since its inception in 1991. It is estimated that fees would need to be increased by approximately two-thirds in order to achieve this goal. The division proposes a two-year phase in for this increase. FY 01 would implement half of the increase, with FY03 implementing the balance of the increase.
- Additional monies will be available through the US Department of Transportation, Federal Motor Carrier Safety Administration for increased Commercial Vehicle Enforcement activity. This funding will result from national efforts at improving highway safety and will be subject to intensive grantee performance review. This supplemental funding may be available for such activities as commercial bus inspection, drug interdiction, and other commercial vehicle safety related activities.

Major Component Accomplishments for FY2000

- Increased Commercial Vehicle Safety field inspection personnel, trained all personnel to perform North American Standard (NAS) driver and vehicle inspections, achieved National Certification of all field personnel by the

Commercial Vehicle Safety Alliance (CVSA); trained all personnel to perform hazardous materials inspections and cargo tank inspections.

- Completed the top level design for the State's Commercial Vehicle Information System and Network (CVISN).
- Executed timely responses to requests for scale inspection services on private commercial projects and federally funded airport and road construction projects.
- Responded to National Marine Fisheries Services (NMFS) requests for at-sea fish processor inspections. The division inspected scales on 23 vessels during the fiscal year.
- Acquired and put into service a replacement mass comparator balance. This was a step in the long-range plan to update and modernize equipment used in the laboratory.
- Critical parts of the computer infrastructure have been upgraded. Upgrades were needed to run software established as standards for state as well as federal program requirements.

Statutory and Regulatory Authority

AS 45.75	Weights & Measures Act
AS 19.10	Size, Weight, & Load Provisions; Restriction On Use of Highways
AS 19.10	Commercial Motor Vehicle Safety Inspections
03 AAC 032	Specifications, Tolerances, and Regulations For Weighing and Measuring Devices
03 AAC 035	Permits & Weigh Stations
17 AAC 025	Truck, Size & Weight Program

Measurement Standards & Commercial Vehicle Enforcement**Component Financial Summary***All dollars in thousands*

	FY2000 Actuals	FY2001 Authorized	FY2002 Governor
Non-Formula Program:			
Component Expenditures:			
71000 Personal Services	2,952.2	3,415.7	3,862.9
72000 Travel	123.3	119.7	119.7
73000 Contractual	409.0	548.4	548.4
74000 Supplies	114.8	62.5	62.5
75000 Equipment	202.9	41.0	41.0
76000 Land/Buildings	0.0	0.0	0.0
77000 Grants, Claims	0.0	0.0	0.0
78000 Miscellaneous	0.0	0.0	0.0
Expenditure Totals	3,802.2	4,187.3	4,634.5
Funding Sources:			
1004 General Fund Receipts	2,040.1	1,941.8	2,005.0
1005 General Fund/Program Receipts	1,364.2	0.0	0.0
1053 Investment Loss Trust Fund	0.0	81.4	0.0
1061 Capital Improvement Project Receipts	397.9	762.6	1,173.2
1156 Receipt Supported Services	0.0	1,401.5	1,456.3
Funding Totals	3,802.2	4,187.3	4,634.5

Estimated Revenue Collections

Description	Master Revenue Account	FY2000 Actuals	FY2001 Authorized	FY2001 Cash Estimate	FY2002 Governor	FY2003 Forecast
Unrestricted Revenues						
General Fund Program Receipts	51060	113.7	0.0	0.0	0.0	0.0
Unrestricted Fund	68515	0.4	0.0	0.0	0.0	0.0
Unrestricted Total		114.1	0.0	0.0	0.0	0.0
Restricted Revenues						
General Fund Program Receipts	51060	1,364.2	0.0	0.0	0.0	0.0
Receipt Supported Services	51073	0.0	1,401.5	1,401.5	1,456.3	1,456.3
Capital Improvement Project Receipts	51200	397.9	762.6	762.6	1,173.2	1,173.2
Investment Loss Trust Fund	51393	0.0	81.4	81.4	0.0	0.0
Restricted Total		1,762.1	2,245.5	2,245.5	2,629.5	2,629.5
Total Estimated Revenues		1,876.2	2,245.5	2,245.5	2,629.5	2,629.5

Measurement Standards & Commercial Vehicle Enforcement

Proposed Changes in Levels of Service for FY2002

- Establish a cooperative agreement with the U.S. Department of Commerce, National Marine Fisheries Service for funding of an additional Weights & Measures position. This position will perform the inspection and testing of flow scales and observer scales utilized in the CDQ fisheries.
- Increase the effectiveness of the CV safety program by:
 - performing Compliance Reviews at carrier's place of business, requiring new positions, training and procedures.
 - performing more Driver and Vehicle inspections, but targeting those higher-risk carriers, drivers and vehicles, based on analysis of prior history and other supporting data.
 - performing more comprehensive inspections to detect violations in transport of hazardous materials such as chemicals and explosives.
 - performing more thorough inspection of cargo tanks carrying fuel, explosive gases and chemicals.
 - performing inspections in areas of Alaska not usually visited by enforcement personnel, through deployment of Mobile CVE Teams and joint operations with local police and AST.
 - initiating inspections of motor coaches (tour buses), requiring additional training and equipment.
- Add one Administrative Clerk II position to cover the ever increasing clerical workload. Responsibilities for the division have grown in the last two years with the addition of the Intelligent Transportation System for Commercial Vehicle Operations (ITS/CVO) and the Motor Carrier Safety Assurance Program (MCSAP). More Weigh Station Operators and supervisory positions have been created; the merger of the Commercial Vehicle Enforcement Unit with our division; and the addition of the Metrology Laboratory program all took place with no emphasis on dealing with administrative work increases.
- Add one new Planner I position to perform duties as Project Manager for several ongoing projects simultaneously as the division/department moves towards Commercial Vehicle Information Systems & Networks (CVISN) Level I Deployment. CVISN integrates existing motor carrier information systems and networks in the states, streamlines operations and provides real-time information to the inspectors at the roadside for focusing on high risk carriers. The program direction is to increase enforcement, targeting high-risk carriers and commercial vehicle drivers; increase safety awareness among the driving public and the motor carrier industry; improve safety information systems and commercial motor vehicle technologies and improving federal commercial vehicle equipment and operating standards.

In order to reach CVISN Level I Deployment, all the elements of three capability areas must be implemented using applicable architectural guidelines, operational concepts and standards. The three areas are Safety Information Exchange, Credentials Administration, and Electronic Screening.

Summary of Component Budget Changes

From FY2001 Authorized to FY2002 Governor

All dollars in thousands

	<u>General Funds</u>	<u>Federal Funds</u>	<u>Other Funds</u>	<u>Total Funds</u>
FY2001 Authorized	2,023.2	0.0	2,164.1	4,187.3
Adjustments which will continue current level of service:				
-Year 2 Labor Costs - Net Change from FY2001	-18.2	0.0	23.7	5.5
Proposed budget increases:				
-Add \$34.8 Recpt Svcs for Admin Clerk II (25-#001) to meet the increasing clerical workload	0.0	0.0	34.8	34.8
-Add \$52.9 CIP for CVEO III (25-#021) to perform Motor Carrier Compliance Reviews	0.0	0.0	52.9	52.9

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	<u>General Funds</u>	<u>Federal Funds</u>	<u>Other Funds</u>	<u>Total Funds</u>
-Add \$49.7 CIP for Planner I (25- #002) to manage various CVISN Projects	0.0	0.0	49.7	49.7
-Add \$52.9 CIP for Weights & Measure Inspector II (25-#022) to work with NMFS	0.0	0.0	52.9	52.9
-Add \$246.0 CIP for reclassification of WSO's to Commercial Vehicle Enforcemen Officer I, II or III	0.0	0.0	246.0	246.0
-Add \$5.4 Rcpt Svcs to fund increases in Engineers' pay resulting from classification study	0.0	0.0	5.4	5.4
FY2002 Governor	2,005.0	0.0	2,629.5	4,634.5

Measurement Standards & Commercial Vehicle Enforcement

Personal Services Information

Authorized Positions			Personal Services Costs	
	FY2001 Authorized	FY2002 Governor		
Full-time	62	67	Annual Salaries	2,769,719
Part-time	7	6	COLA	40,155
Nonpermanent	0	0	Premium Pay	130,679
			Annual Benefits	1,118,835
			<i>Less 4.84% Vacancy Factor</i>	<i>(196,488)</i>
			Lump Sum Premium Pay	0
Totals	69	73	Total Personal Services	3,862,900

Position Classification Summary

Job Class Title	Anchorage	Fairbanks	Juneau	Others	Total
Accounting Tech I	1	0	0	0	1
Administrative Assistant	1	0	0	0	1
Administrative Clerk II	1	0	0	0	1
Administrative Clerk III	7	0	0	0	7
Administrative Manager II	1	0	0	0	1
Chf WGTs Meas & Permit	1	0	0	0	1
Comm. Veh. Enf. Off. II	1	0	0	0	1
Commercial Veh. Enf. Off. I	3	3	0	0	6
Commercial Veh. Enf. Off. II	10	9	0	6	25
Commercial Veh. Enf. Off. III	2	2	0	1	5
Division Director	1	0	0	0	1
Engineer/Architect I	1	0	0	0	1
Measure Standards Spvr	2	0	0	0	2
Micro/Network Spec I	2	0	0	0	2
Planner I	2	0	0	0	2
Planner III	1	0	0	0	1
Research Analyst II	1	0	0	0	1
Secretary	1	0	0	0	1
State Metrologist I	1	0	0	0	1
State Metrologist II	1	0	0	0	1
Weights & Meas Insp I	4	1	0	0	5
Weights & Meas Insp II	3	1	1	1	6
Totals	48	16	1	8	73