

DEPARTMENT OF TRANSPORTATION

OFFICE OF THE SECRETARY

Federal Funds

General and special funds:

SALARIES AND EXPENSES

For necessary expenses of the Office of the Secretary of Transportation, including not to exceed \$27,000 for allocation within the Department for official reception and representation expenses as the Secretary may determine, **[\$33,400,000]** \$33,335,000. (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-0102-0-1-407	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. General administration	31,146	35,692	33,335
2. Materials transportation	2,994	-----	-----
3. Regional rail reorganization	746	-----	-----
Total direct program costs, funded	34,886	35,692	33,335
Reimbursable program (costs—obligations)	1,899	2,500	2,300
Total program costs, funded	36,785	38,192	35,635
Change in selected resources (undelivered orders)	-441	-----	-----
10.00 Total obligations	36,344	38,192	35,635
Financing:			
11.00 Offsetting collections from: Federal funds	-1,899	-2,500	-2,300
17.00 Recovery of prior year obligations	-15	-----	-----
21.40 Unobligated balance available, start of year	-57	-71	-----
24.40 Unobligated balance available, end of year	71	-----	-----
25.40 Unobligated balance lapsing	1,706	-----	-----
Budget authority	36,150	35,621	33,335
Budget authority:			
40.00 Appropriation	36,150	33,454	33,335
44.20 Supplemental now requested for civilian pay raises	-----	2,100	-----
46.20 Transfers in for: Civilian pay raises	-----	67	-----
Relation of obligations to outlays:			
71.00 Obligations incurred, net	34,429	35,692	33,335
72.40 Obligated balance, start of year	5,961	4,270	3,912
74.40 Obligated balance, end of year	-4,270	-3,912	-3,947
77.40 Adjustments in expired accounts	-814	-----	-----
90.00 Outlays, excluding pay raise supplemental	35,306	33,923	33,260
91.20 Outlays from civilian pay raise supplemental	-----	2,127	40
Distribution of outlays by account:			
Salaries and expenses	35,328	36,050	33,300
Consolidation of departmental headquarters	-22	-----	-----

NOTES

Excludes \$3,551 thousand in 1979 for activities transferred to research and special programs. Comparable amounts for 1977 (\$3,035 thousand), and 1978 (\$3,480 thousand) are included above.

Excludes \$295 thousand in 1979 for activities transferred to NHTSA traffic and highway safety. Comparable amounts for 1977, \$200 thousand; 1978, \$202 thousand are included above.

Includes the following amounts for activities transferred from Energy, Department of Energy (in thousands of dollars):

	1977	1978	1979
Budget authority	50	54	60
Outlays	50	54	60

This appropriation finances the costs of policy development and central supervisory and coordinating functions necessary for the overall planning and direction of the Department. It covers the immediate secretarial offices as well as those of the assistant secretaries and the general counsel. Also covered are staff assistance and supervision of general management and administration in the Department.

Object Classification (in thousands of dollars)

Identification code 69-0102-0-1-407	1977 actual	1978 est.	1979 est.
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions	21,254	21,845	19,677
11.3 Positions other than permanent	798	640	653
11.5 Other personnel compensation	218	254	223
11.8 Special personal services payments	136	166	167
Total personnel compensation	22,406	22,905	20,720
12.1 Personnel benefits: Civilian	2,015	2,021	1,861
21.0 Travel and transportation of persons	867	752	806
22.0 Transportation of things	45	42	39
23.1 Standard level user charges	2,416	2,517	2,442
23.2 Communications, utilities, and other rent	1,126	1,464	1,282
24.0 Printing and reproduction	1,149	1,134	1,113
25.0 Other services	3,888	4,363	4,424
26.0 Supplies and materials	255	294	267
31.0 Equipment	278	200	381
Total direct obligations	34,445	35,692	33,335
Reimbursable obligations:			
Personnel compensation:			
11.1 Permanent positions	892	1,138	959
11.3 Positions other than permanent	55	-----	-----
Total personnel compensation	947	1,138	959
12.1 Personnel benefits: Civilian	84	96	80
21.0 Travel and transportation of persons	4	12	5
23.1 Standard level user charges	538	582	582
23.2 Communications, utilities, and other rent	23	23	23
25.0 Other services	303	649	651
Total reimbursable obligations	1,899	2,500	2,300
99.0 Total obligations	36,344	38,192	35,635

Personnel Summary

Direct:			
Total number of permanent positions	943	812	736
Full-time equivalent of other positions	53	62	63
Average paid employment	922	845	783
Average GS grade	11.59	11.87	11.84
Average GS Salary	\$25,601	\$28,298	\$28,510
Reimbursable:			
Total number of permanent positions	47	55	48
Full-time equivalent of other positions	4	0	0
Average paid employment	46	47	44
Average GS grade	10.60	10.67	10.44
Average GS salary	\$19,776	\$21,922	\$21,610

TRANSPORTATION PLANNING, RESEARCH, AND DEVELOPMENT

For necessary expenses for conducting transportation planning, research, and development activities, including the collection of national transportation statistics, to remain available until expended, **[\$25,000,000]** \$12,465,000. (Department of Transportation and Related Agencies Appropriation Act, 1978.)

General and special funds—Continued

TRANSPORTATION PLANNING, RESEARCH, AND DEVELOPMENT—CON.

Program and Financing (in thousands of dollars)

Identification code 69-0142-0-1-407	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. Transportation policy and planning.....	9,857	11,587	11,015
2. University research.....	3,882	3,700	-----
3. Transportation systems development and technology.....	11,421	8,865	-----
4. Special programs.....	2,150	4,000	1,450
Total direct program.....	27,310	28,152	12,465
Reimbursable program.....	1,803	2,500	1,500
Total program costs, funded.....	29,113	30,652	13,965
Change in selected resources (undelivered orders).....	-6,142	-----	-----
10.00 Total obligations.....	22,971	30,652	13,965
Financing:			
11.00 Offsetting collections from: Federal funds.....	-2,013	-2,500	-1,500
21.40 Unobligated balance available, start of year.....	-5,111	-12,152	-9,000
24.40 Unobligated balance available, end of year.....	12,152	9,000	9,000
40.00 Budget authority (appropriation).....	28,000	25,000	12,465
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	20,958	28,152	12,465
72.40 Obligated balance, start of year.....	10,602	6,857	11,009
74.40 Obligated balance, end of year.....	-6,857	-11,009	-7,474
90.00 Outlays.....	24,703	24,000	16,000

Note.—Excludes \$10,035 thousand in 1979 for activities transferred to research and special programs. Comparable amounts for 1977 (\$8,165 thousand), and 1978 (\$9,460 thousand) are included above.

The Department of Transportation Act of 1966 assigns to the Secretary broad responsibilities for the development and coordination of national transportation policies and programs. This appropriation finances those research activities and studies concerned with planning, analysis and information development needed to support the Secretary's responsibilities in the formulation of transportation policies.

The program is carried out primarily through contracts with other Federal agencies, educational institutions, non-profit research organizations, and private firms.

1. *Transportation policy and planning.*—This research provides the foundation for development of transportation policy, for coordination of national level transportation planning, and for dealing with such difficult issues as regulatory modernization, energy conservation, environmental and safety impacts of transportation.

Special programs.—Projects provide technical studies and other data in support of the Secretary's decisions involving State and local level planning, consumer affairs, technology sharing and evaluation of departmental programs.

Object Classification (in thousands of dollars)

Identification code 69-0142-0-1-407	1977 actual	1978 est.	1979 est.
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	2,129	2,160	1,791
11.3 Positions other than permanent.....	408	349	184
11.5 Other personnel compensation.....	14	19	12
11.8 Special personal services payments.....	23	24	24
Total personnel compensation.....	2,574	2,552	2,011

12.1 Personnel benefits: Civilian.....	218	216	169
21.0 Travel and transportation of persons.....	179	197	100
23.1 Standard lever user charges.....	200	232	180
23.2 Communications, utilities, and other rent.....	11	52	36
24.0 Printing and reproduction.....	325	311	149
25.0 Other services.....	16,411	24,565	9,802
26.0 Supplies and materials.....	40	18	13
31.0 Equipment.....	-----	9	5
Total direct obligations.....	19,958	28,152	12,465
Reimbursable obligations:			
25.0 Other services.....	2,013	2,500	1,500

ALLOCATION TO NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

25.0 Other services.....	1,000	-----	-----
99.0 Total obligations.....	22,971	30,652	13,965

Personnel Summary

Total number of permanent positions.....	74	73	53
Full-time equivalent of other positions.....	36	31	16
Average paid employment.....	102	102	63
Average GS grade.....	13.38	13.39	13.51
Average GS salary.....	\$31,351	\$33,518	\$34,577

TRANSPORTATION RESEARCH ACTIVITIES OVERSEAS

(SPECIAL FOREIGN CURRENCY PROGRAM)

Program and Financing (in thousands of dollars)

Identification code 69-0105-0-1-407	1977 actual	1978 est.	1979 est.
Program by activities:			
Overseas research (program costs, funded).....	401	93	-----
Change in selected resources (undelivered orders).....	-67	-93	-----
10.00 Total obligations (object class 25.0).....	334	-----	-----
Financing:			
21.40 Unobligated balance available, start of year.....	-300	-67	-----
24.40 Unobligated balance available, end of year.....	67	-----	-----
Budget authority.....	100	-67	-----
Budget authority:			
40.00 Appropriation.....	100	-----	-----
45.00 Transfers out for pay raises.....	-----	-67	-----
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	334	-----	-----
72.40 Obligated balance, start of year.....	160	93	-----
74.40 Obligated balance, end of year.....	-93	-----	-----
90.00 Outlays.....	401	93	-----

Foreign currencies which are in excess of the normal requirements of the United States have been made available in prior years for research in foreign countries.

Intragovernmental funds:

WORKING CAPITAL FUND*

[LIMITATION ON WORKING CAPITAL FUND]

*See Part III for additional information.

[Necessary expenses for operating costs and capital outlays of the Department of Transportation Working Capital Fund not to exceed \$39,847,000 shall be paid, in accordance with law, from appropriations made available by this Act and prior appropriation

DEPARTMENT OF TRANSPORTATION

Acts to the Department of Transportation together with advances and reimbursements received by the Department of Transportation. (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-4520-0-4-407	1977 actual	1978 est.	1979 est.
Program by activities:			
Operating costs, funded:			
1. Publishing and graphics activities:			
(a) Direct operating costs	14,128	14,874	15,544
(b) Overhead costs	512	546	577
2. Support services activities:			
(a) Direct operating costs	3,167	4,552	4,759
(b) Overhead costs	374	384	406
3. Library services:			
(a) Direct operating costs	1,712	2,051	2,138
(b) Overhead costs	61	62	65
4. Transportation computer activities:			
(a) Direct operating costs	17,629	17,515	20,053
(b) Overhead costs	36	36	38
Total operating costs	37,619	40,020	43,580
Capital investment, funded:			
1. Publishing and graphics activities: Purchase of equipment	75	195	263
2. Support services activities: Purchase of equipment	54	30	29
3. Library services: Purchase of equipment	5	16	17
4. Transportation computer activities: Purchase of equipment	20	58	1,505
Total capital investment	154	299	1,814
Total program costs, funded	37,773	40,319	45,394
Change in selected resources (stores, work-in-process, and undelivered orders)	-642	30	40
10.00 Total obligations	37,131	40,349	45,434
Financing:			
11.00 Offsetting collections from: Federal funds:			
Publishing and graphics activities	-14,685	-15,456	-16,206
Support services activities	-3,570	-4,999	-5,226
Library services	-1,796	-2,145	-2,237
Transportation computer activities	-18,007	-17,843	-21,512
Unfilled customers' orders	565	79	-279
21.98 Unobligated balance available, start of year: Fund balance	-997	-1,359	-1,374
24.98 Unobligated balance available, end of year: Fund balance	1,359	1,374	1,400
Budget authority			
Relation of obligations to outlays:			
71.00 Obligations incurred, net	-362	-15	-26
72.10 Receivables in excess of obligations, start of year	-3,749	-6,144	-4,659
74.10 Receivables in excess of obligations, end of year	6,144	4,659	4,185
90.00 Outlays	2,033	-1,500	-500

The working capital fund finances common administrative services which are centrally performed in the interest of economy and efficiency in the Department.

Services rendered are charged for at rates which return in full all operating expenses, including a normal reserve for accrued annual leave and depreciation of equipment. The fund is reimbursed in advance by the operating administrations and offices being served.

The activities of the working capital fund have been consolidated as follows:

Publishing and graphics activities include publishing and graphic program; still photographic services; and visuals services.

Support services activities include travel services and imprest fund; central employment information; warehouse management; parking management; chauffeur services; mail and messenger service; management information center; and facilities management.

Library services include information retrieval services.

Transportation computer activities include computer time-sharing services and the transportation computer center.

Revenue and Expense (in thousands of dollars)

	1977 actual	1978 est.	1979 est.
Publishing and graphics activities:			
Revenue	14,685	15,456	16,206
Expense	-14,685	-15,456	-16,206
Net operating income			
Support services activities:			
Revenue	3,570	4,999	5,226
Expense	-3,570	-4,999	-5,226
Net operating income			
Library services:			
Revenue	1,796	2,145	2,237
Expense	-1,796	-2,145	-2,237
Net operating income			
Transportation computer activities:			
Revenue	18,007	17,843	21,512
Expense	-18,007	-17,843	-21,512
Net operating income			
Net income or loss for the year			

Financial Condition (in thousands of dollars)

	TQ actual	1977 actual	1978 est.	1979 est.
Assets:				
Fund balance with Treasury	-2,753	-4,786	-2,500	-214
Accounts receivable (net)	6,151	8,182	5,579	2,917
Inventories	30	19	24	25
Real property and equipment (net)	992	706	750	11,665
Other assets (net)	2,625	2,563	2,513	2,550
Total assets	7,045	6,684	6,366	16,943
Liabilities:				
Accounts payable and funded accrued liabilities	1,407	1,656	1,200	700
Advances received	650	1	200	300
Other liabilities	344	380	305	303
Total liabilities	2,401	2,037	1,705	1,303
Government equity:				
Unexpended budget authority:				
Unobligated balance	997	1,359	1,374	1,400
Undelivered orders	5,726	5,160	5,232	5,234
Unfinanced budget authority:				
Unfilled customers' orders	-5,726	-5,160	-5,232	-5,234
Invested capital	3,647	3,288	3,287	14,240
Total Government equity	4,644	4,647	4,661	15,640
Analysis of changes in Government equity:				
Paid-in capital:				
Opening balance		4,644	4,647	4,661
Transaction: Increase in current assets (net)		362	15	26
Total		362	15	26

Intragovernmental funds—Continued

WORKING CAPITAL FUND—Continued

Financial Condition (in thousands of dollars)—Continued

	1977 actual	1978 est.	1979 est.
Retained income or deficit: Transaction:			
Increase in inventory and property valuation.....			10,953
Decrease in inventory and property valuation.....	-359	-1	
Total.....	-359	-1	10,953
Total Government equity (end of year).....	4,647	4,661	15,640

Object Classification (in thousands of dollars)

Identification code 69-4520-0-4-407	1977 actual	1978 est.	1979 est.
Personnel compensation:			
11.1 Permanent positions.....	5,267	6,193	6,582
11.3 Positions other than permanent.....	168	198	198
11.5 Other personnel compensation.....	379	610	630
Total personnel compensation.....	5,814	7,001	7,410
12.1 Personnel benefits: Civilian.....	540	618	645
21.0 Travel and transportation of persons.....	57	81	82
22.0 Transportation of things.....	10	2	10
23.1 Standard level user charges.....	1,455	1,740	1,843
23.2 Communications, utilities, and other rent.....	2,644	3,418	3,424
24.0 Printing and reproduction.....	97	370	355
25.0 Other services.....	24,739	24,882	27,688
26.0 Supplies and materials.....	1,541	1,937	2,163
31.0 Equipment.....	234	300	1,814
99.0 Total obligations.....	37,131	40,349	45,434

Personnel Summary

Total number of permanent positions.....	391	391	391
Full-time equivalent of other positions.....	23	27	27
Average paid employment.....	416	416	416
Average GS grade.....	6.92	7.15	7.15
Average GS salary.....	\$13,924	\$15,150	\$16,150
Average salary of ungraded positions.....	\$15,232	\$18,100	\$19,000

COAST GUARD*

*See "Legislative Program" (end of this chapter) for additional information.

The following table depicts funding for all Coast Guard programs for which detail is furnished in the budget schedules:

	[In millions of dollars]		
Program level:	1977	1978	1979
Operating expenses.....	836.3	912.1	944.6
Acquisition, construction, and improvements.....	228.9	238.8	289.7
Alteration of bridges.....	10.9	15.1	15.1
Retired pay.....	139.2	157.8	173.5
Reserve training.....	35.6	38.6	39.0
Research, development, test, and evaluation.....	19.5	20.0	20.0
State boating safety assistance.....	6.5	5.8	3.0
Pollution fund.....	8.6	8.5	7.0
Coast Guard supply fund.....	1.2	1.1	1.1
Coast Guard yard fund.....	1 (58.1)	1 (60.4)	1 (64.0)
Trust funds.....	1 (30.3)	1 (30.4)	1 (30.0)
Subtotal net.....	1,265.1	1,417.4	1,484.5
Proposed legislation:			
Oil pollution liability and compensation fund.....			50.0
Total net.....	1,265.1	1,417.4	1,534.5

1 Total obligations before offsetting collections.

Federal Funds

General and special funds:

OPERATING EXPENSES

[(INCLUDING TRANSFER OF FUNDS)]

For necessary expenses for the operation and maintenance of the Coast Guard, not otherwise provided for; purchase of not to exceed [twelve] ten passenger motor vehicles, for replacement only; and recreation and welfare; [\$878,865,000] \$944,800,000 of which [\$205,977] \$214,904 shall be applied to Capehart Housing debt reduction: *Provided*, That the number of aircraft on hand at any one time shall not exceed one hundred and seventy-[nine] seven exclusive of planes and parts stored to meet future attrition; *Provided further*, That amounts equal to the obligated balances against the appropriations for "Operating expenses" for the two preceding years shall be transferred to and merged with this appropriation, and such merged appropriation shall be available as one fund, except for accounting purposes of the Coast Guard, for the payment of obligations properly incurred against such prior year appropriations and against this appropriation. (10 U.S.C. 101 et seq.; 16 U.S.C. 1882; 19 U.S.C. 261, 267, 1451; titles 14, 33, 37, and 48, United States Code; 49 U.S.C. 1651 et seq.; 50 U.S.C. 191, 194; Department of Transportation and Related Agencies Appropriation Act, 1978; additional authorizing legislation to be proposed.)

Program and Financing (in thousands of dollars)

Identification code 69-0201-0-1-403	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. Search and rescue.....	259,243	281,827	291,962
2. Aids to navigation.....	209,905	231,663	238,321
3. Marine safety.....	130,459	139,545	145,911
4. Marine environmental protection.....		36,796	39,219
5. Enforcement of laws and treaties.....		93,662	102,151
6. Marine science and polar operations.....		67,738	76,613
7. Military readiness.....		38,469	41,043
Total direct program costs.....	836,272	912,061	944,585
Unfunded adjustments to direct program costs: Property transferred in without charge.....	-3,000	-3,000	-3,000
Total direct program costs, funded.....	833,272	909,061	941,585
Change in selected resources (undelivered orders and stores).....	3,000	3,000	3,000
Total direct obligations.....	836,272	912,061	944,585
Reimbursable program.....	17,346	20,000	20,000
10.00 Total obligations.....	853,618	932,061	964,585
Financing:			
Offsetting collections from:			
11.00 Federal funds.....	-15,301	-18,320	-18,320
14.00 Non-Federal sources.....	-2,045	-1,680	-1,680
21.40 Unobligated balance available, start of year.....	-167		
25.40 Unobligated balance lapsing.....	2,081		
Budget authority.....	838,186	912,061	944,585
Budget authority:			
40.00 Appropriation.....	833,580	878,865	944,800
40.47 Portion applied to debt reduction.....	-197	-206	-215
42.00 Transferred from other accounts.....	4,803		
43.00 Appropriation (adjusted).....	838,186	878,659	944,585
44.10 Supplemental now requested for wage-board pay raises.....		1,464	
44.20 Supplemental now requested for civilian pay raises.....		4,217	
44.30 Supplemental now requested for military pay raises.....		27,721	

Relation of obligations to outlays:			
71.00	Obligations incurred, net.....	836,272	912,061 944,585
72.40	Obligated balance, start of year.....	122,754	123,205 131,973
74.40	Obligated balance, end of year.....	-123,205	-131,973 -139,758
77.40	Adjustments in expired accounts.....	-8,146	-----
90.00	Outlays, excluding pay raise supplemental.....	827,675	870,000 936,691
91.10	Outlays from wage-board pay raise supplemental.....	-----	1,436 28
91.20	Outlays from civilian pay raise supplemental.....	-----	4,136 81
91.30	Outlays from military pay raise supplemental.....	-----	27,721 -----

Funds for Coast Guard operations are provided for by this appropriation and account for 63% of the total request. To carry out its duties the Coast Guard employs multipurpose vessels, aircraft, and shore units, strategically located along the coasts and inland waterways of the United States and in selected areas overseas.

1. *Search and rescue.*—Most Coast Guard operating facilities have the capacity for promoting safety on or over the high seas and on waters subject to the jurisdiction of the United States. The Coast Guard performs acts necessary to rescue and aid persons and save property placed in jeopardy due to marine and aircraft accidents, floods, and ice conditions.

WORKLOAD DATA

	1977 actual	1978 estimate	1979 estimate
Responses to search and rescue cases serviced by Coast Guard regular forces or Coast Guard directed forces (auxiliary).....	78,662	82,275	85,878
Lives saved.....	3,078	3,163	3,247
Deaths prevented.....	4,764	4,884	5,005
Property loss prevented (dollars in thousands).....	\$284,600	\$298,400	\$312,200

2. *Aids to navigation.*—A network of manned and unmanned aids to navigation is maintained along our coasts and on our inland waterways to insure the safe passage of the mariner. Loran stations are operated in the United States and abroad to serve the needs of the armed services and marine and air commerce. Administrative control is exercised over the construction, maintenance, and operation of bridges across the navigable waters of the United States to insure that the safe passage of navigation is not unreasonably interfered with. Included in aids to navigation is the Coast Guard's domestic ice operations which are performed by specially constructed icebreakers and cutters.

WORKLOAD DATA

	1977 actual	1978 estimate	1979 estimate
Loran-A coverage (thousands of square miles).....	4,200	3,400	3,400
Loran-C coverage (thousands of square miles).....	17,300	18,300	20,800
Federal floating aids.....	26,607	26,900	27,200
Federal fixed aids.....	22,670	22,950	23,200
Private aids authorized.....	34,274	35,000	35,500
Bridge permits and regulations issued.....	298	360	360
Domestic icebreaking:			
Operating hours.....	14,129	10,000	10,500
Vessels assisted.....	3,262	1,100	1,200
Mission miles.....	38,000	20,000	21,000

3. *Marine safety.*—The Coast Guard insures compliance with Federal statutes and regulations pertaining to the merchant marine industry by reviewing plans and specifications for the construction or alteration of merchant vessels; by periodic inspections; by licensing; and by setting standards, procedures, and practices under which merchant marine personnel are licensed and regulated.

The Coast Guard minimizes the risk of fatalities, injuries, and property damage associated with the operation of recreational boats through a boat safety standards program, boater information, education and compliance programs, support of the Coast Guard Auxiliary, and increasing financial and technical support of the individual State boating safety programs. Also, under statutory requirements the Coast Guard must safeguard and secure U.S. ports and waterways against harm, and thereby improve their economic utilization and assure their availability in time of national emergency.

WORKLOAD DATA

Commercial vessel safety:			
U.S. commercial vessels undergoing construction, average monthly	1977 actual	1978 estimate	1979 estimate
totals.....	615	675	725
Seamen's documents.....	49,800	51,100	52,000
Marine incidents reported.....	14,600	14,800	14,600
Seamen's records maintained.....	172,500	167,000	162,000
Admeasurement applications.....	9,800	10,300	10,500
Vessel documentation applications.....	184,000	188,000	190,000
U.S. commercial vessels inspected.....	10,590	10,690	11,000
Foreign flag vessels subject to SOLAS and U.S. safety requirements examined.....	3,470	4,540	4,500
Fixed offshore structures inspected.....	2,500	2,700	2,900
Boating safety:			
Factory visits/inspections.....	2,450	3,000	2,500
Defect campaigns.....	145	200	225
Potential units affected.....	380,000	420,000	460,000
Classroom instruction (student lessons in millions).....	1.5	1.75	2.0
Courtesy motorboat examinations (auxiliary).....	325,000	350,000	375,000
Assists (auxiliary).....	15,000	16,000	17,000
Boat boardings.....	30,000	34,000	35,000
Port safety:			
Cargo vessels/barges.....	52,500	52,500	56,965
Waterfront facilities inspected.....	91,800	91,800	92,500
Explosive loadings and other dangerous cargo inspections.....	2,400	2,400	2,780
Harbor patrols (operating hours).....	93,000	106,000	133,464

4. *Marine environmental protection.*—Under various laws, international agreements, and conventions, the Coast Guard is charged with the prevention of damage to the marine environment and the enhancement of environmental quality.

WORKLOAD DATA

	1977 actual	1978 estimate	1979 estimate
Environmental protection:			
Aerial oil pollution patrols conducted.....	1,200	1,300	1,400
Oil and hazardous substances spills.....	12,800	13,000	14,000
Number of pollution investigations.....	8,000	8,500	8,700
District hearings.....	2,200	2,200	2,200
Number of civil penalties.....	4,500	4,600	4,600
Cargo transfer operations monitored.....	19,500	19,500	20,500
Oil pollution removal operations.....	3,700	3,500	3,300
Ocean dumping surveillance missions.....	1,250	900	400

5. *Enforcement of laws and treaties.*—Maritime enforcement of laws and treaties is accomplished by cutters and aircraft conducting patrols to enforce international agreements and Federal laws on the high seas and waters over which the U.S. exercises jurisdiction.

WORKLOAD DATA

	1977 actual	1978 estimate	1979 estimate
Maritime law enforcement:			
Foreign fishing vessel sightings.....	18,225	22,000	23,000
Boardings.....	1,750	2,100	2,200
Cutter operating hours:			
Fisheries enforcement.....	89,079	95,000	98,000
General law enforcement.....	19,550	23,300	27,000
Aircraft flight hours:			
Fisheries enforcement.....	10,430	12,000	13,000
General law enforcement.....	2,290	2,542	3,000
Seizures—vessels.....	30	35	40

General and special funds—Continued

OPERATING EXPENSES—Continued

6. *Marine science and polar operations.*—Marine science activities, which include the International Ice Patrol, are carried out on a cooperative basis with other Government agencies. Polar ice operations are performed by specially constructed icebreakers or ice/strengthened cutters which operate in support of Coast Guard programs, the requirements of other agencies, and in the facilitation of commerce.

WORKLOAD DATA

	1977 actual	1978 estimate	1979 estimate
Marine science activities:			
Oceanographic observations.....	1,400	1,400	1,000
Ship operating hours:			
High Endurance Cutters.....	7,300	1,500	1,500
Polar Icebreakers.....	4,200	4,200	4,200
Aircraft hours (airborne radiation thermometer).....	840	840	840
NOAA Data Buoy Office support:			
Environmental buoys serviced.....	20	23	25
Cutter operating days.....	194	210	220
Polar ice operations: Deliveries by escorted cargo ships:			
Tons of cargo.....	93,254	170,000	170,000
Barrels of fuel (in thousands).....	775	750	750
International Ice Patrol:			
Aircraft hours.....	571.3	500	500
Ship operating hours.....	1,577	1,800	1,800

7. *Military readiness.*—The Coast Guard operates as a service in the Navy in time of war or national emergency at the direction of the President. During peacetime, an effective state of military preparedness is maintained through individual and unit training, by joint naval training exercises, and by Coast Guard single and multi-ship operations.

WORKLOAD DATA

	1977 actual	1978 estimate	1979 estimate
Units trained by Coast Guard training teams.....	200	200	200
Vessels participating in refresher training or shakedown training.....	48	48	48
Ship weeks.....	144	144	144
Independent gunnery exercises.....	600	600	600
Other independent exercises.....	20,000	20,000	20,000
Small arms courses fired.....	3,634	4,000	4,000

Capehart family housing indebtedness.—The following schedule shows the status of the indebtedness assumed from Department of Defense for transfer of family housing units for assignment as public quarters.

STATUS OF INDEBTEDNESS

[In thousands of dollars]

	1977 actual	1978 estimate	1979 estimate
Total debt incurred.....	3,556	3,556	3,556
Debt retirement:			
(a) Prior years.....	-1,515	-1,712	-1,918
(b) Current year.....	-197	-206	-215
Cumulative total.....	-1,712	-1,918	-2,133
Remaining debt, end of year.....	1,844	1,638	1,423

Object Classification (in thousands of dollars)

Identification code 69-0201-0-1-403	1977 actual	1978 est.	1979 est.
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	75,334	80,032	82,878
11.3 Positions other than permanent.....	2,490	2,698	2,793
11.5 Other personnel compensation.....	861	899	931

11.7 Military personnel.....	365,374	383,323	394,839
Total personnel compensation.....	444,059	466,952	481,441
Personnel benefits:			
12.1 Civilian.....	7,498	8,093	8,381
12.2 Military personnel.....	44,262	46,436	47,492
21.0 Travel and transportation of persons.....	25,160	33,272	34,455
22.0 Transportation of things.....	20,021	22,481	23,280
23.1 Standard level user charges.....	9,891	13,072	13,360
23.2 Communications, utilities, and other rent.....	45,762	49,458	51,217
24.0 Printing and reproduction.....	3,575	3,597	3,724
25.0 Other services.....	90,095	103,413	108,021
26.0 Supplies and materials.....	124,416	140,928	147,992
31.0 Equipment.....	16,445	18,884	19,556
32.0 Lands and structures.....	4,290	4,496	4,656
42.0 Insurance claims and indemnities.....	715	899	931
43.0 Interest and dividends.....	83	80	79
Total direct obligations.....	836,272	912,061	944,585

Reimbursable obligations:

Personnel compensation:			
11.1 Permanent positions.....	452	473	506
11.7 Military personnel.....	2,059	2,380	2,376
Total personnel compensation.....	2,511	2,853	2,882
Personnel benefits:			
12.1 Civilian.....	49	52	56
12.2 Military personnel.....	249	288	287
21.0 Travel and transportation of persons.....	303	351	350
22.0 Transportation of things.....	51	58	58
23.2 Communications, utilities, and other rent.....	636	740	739
24.0 Printing and reproduction.....	2	2	2
25.0 Other services.....	7,125	8,235	8,218
26.0 Supplies and materials.....	5,559	6,426	6,415
31.0 Equipment.....	859	993	991
32.0 Lands and structures.....	2	2	2
Total reimbursable obligations.....	17,346	20,000	20,000
99.0 Total obligations.....	853,618	932,061	964,585

Personnel Summary

Direct:

Military:			
Total number of permanent positions.....	36,997	37,193	37,170
Full-time equivalent of other positions.....	0	0	0
Average number.....	36,819	37,158	37,050

Civilian:

Total number of permanent positions.....	5,434	5,538	5,501
Full-time equivalent of other positions.....	182	257	257
Average paid employment.....	5,444	5,470	5,451
Average GS grade.....	7.72	7.76	7.76
Average GS salary.....	\$15,445	\$16,522	\$16,576
Average salary of ungraded positions.....	\$16,739	\$17,288	\$18,688

Reimbursable program:

Military:			
Total number of permanent positions.....	198	198	198
Full-time equivalent of other positions.....	0	0	0
Average number.....	156	198	198

Civilian:

Total number of permanent positions.....	30	30	30
Full-time equivalent of other positions.....	0	0	0
Average paid employment.....	28	28	28
Average GS grade.....	7.96	7.96	7.96
Average GS salary.....	\$15,338	\$16,565	\$16,565

ACQUISITION, CONSTRUCTION, AND IMPROVEMENTS

For necessary expenses of acquisition, construction, rebuilding, and improvement of aids to navigation, shore facilities, vessels, and aircraft, including equipment related thereto; **[\$236,000,000]**

\$279,208,000, to remain available until [September 30, 1980] expended. (Title 14, United States Code; Department of Transportation and Related Agencies Appropriation Act, 1978; additional authorizing legislation to be proposed.)

Program and Financing (in thousands of dollars)

Identification code 69-0240-0-1-403	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. Search and rescue.....	62,329	84,159	109,581
2. Aids to navigation.....	19,417	17,004	14,586
3. Marine safety.....	6,359	14,138	6,047
4. Marine environmental protection.....	4,208	6,928	10,548
5. Enforcement of laws and treaties.....	19,872	33,797	57,309
6. Marine science and polar ice operations.....	3,565	7,438	10,532
7. Military readiness.....	1,146	12,380	24,099
Total direct program costs, funded.....	116,896	175,844	232,702
Change in selected resources (undelivered orders).....	111,965	62,956	56,998
Total direct obligations.....	228,861	238,800	289,700
Reimbursable program:			
1. Search and rescue.....	88	90	-----
2. Aids to navigation.....	5,868	8,167	-----
5. Enforcement of laws and treaties.....	58	96	-----
Total reimbursable program costs, funded.....	6,014	8,353	-----
Change in selected resources (undelivered orders).....	3,853	-3,853	-----
Total reimbursable obligations.....	9,867	4,500	-----
10.00 Total obligations.....	238,728	243,300	289,700
Financing:			
14.00 Offsetting collections from: Non-Federal sources.....	-9,867	-4,500	-----
21.40 Unobligated balance available, start of year.....	-91,923	-98,934	-96,134
24.40 Unobligated balance available, end of year.....	98,934	96,134	85,642
25.40 Unobligated balance lapsing.....	128	-----	-----
Budget authority.....	236,000	236,000	279,208
Budget authority:			
40.00 Appropriation.....	241,000	236,000	279,208
41.00 Transferred to other accounts.....	-5,000	-----	-----
43.00 Appropriation (adjusted).....	236,000	236,000	279,208
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	228,861	238,800	289,700
72.40 Obligated balance, start of year.....	73,661	170,903	219,345
74.40 Obligated balance, end of year.....	-170,903	-219,345	-285,445
77.40 Adjustments in expired accounts.....	-39	-----	-----
90.00 Outlays.....	131,581	190,358	223,600

Note.—Capital investment: 1977, \$63,637 thousand; 1978, \$107,823 thousand; and 1979, \$148,204 thousand.

This appropriation provides for the major acquisition, construction, and improvement of vessels, aircraft, shore units, and aids to navigation, excluding minor acquisitions, alterations, additions, renewals, and replacements funded in the Operating Expenses appropriation where estimated costs of a project are \$75 thousand or less, or where renewals and replacements involve less than 75% of the

original facility. Most of these facilities are multimission in nature and are included below under their primary mission area.

1. *Search and rescue.*—In 1979, 15 41-foot search and rescue boats, and 7 motor lifeboats will be constructed along with continued improvement and modernization of selected boats and vessels: 12 additional medium-range surveillance aircraft and 5 short-range recovery helicopters will be procured. Construction, replacement, and/or renovation programs at selected shore sites and facilities are also provided for.

2. *Aids to navigation.*—Renovation and habitability improvements will be made to one aged buoy tender. In addition, improvements to existing and the establishment of new aids to navigation, the continuation of the lighthouse automation and modernization program, and the loran-C national implementation plan are highlighted under this activity.

3. *Marine safety.*—Efforts to facilitate the marine safety mission will center on the procurement of small boats, phase III of the New Orleans Vessel Traffic Service, and the second phase of the joint U.S./Canada Vessel Traffic Service System at Seattle, Wash.

4. *Marine environmental protection.*—For 1979 this activity is primarily concerned with the procurement of oil pollution recovery systems with the capability to perform in high seas conditions.

5. *Enforcement of laws and treaties.*—Emphasis in this activity centers on the continuation of the medium-endurance cutter replacement program and phase IV renovations and consolidations of the Kodiak, Alaska, support center.

6. *Marine science and polar ice operations.*—The medium-endurance cutter replacement program and the medium-range surveillance aircraft procurement program are the principal efforts of this activity for 1979.

7. *Military readiness.*—Major emphasis in this activity relates to the medium-endurance cutter replacement program.

Object Classification (in thousands of dollars)

Identification code 69-0240-0-1-403	1977 actual	1978 est.	1979 est.
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	2,424	3,191	3,505
11.3 Positions other than permanent.....	31	37	41
11.5 Other personnel compensation.....	65	77	78
11.7 Military personnel.....	2,373	3,140	3,655
Total personnel compensation.....	4,893	6,445	7,279
Personnel benefits:			
12.1 Civilian.....	290	297	326
12.2 Military personnel.....	287	380	443
21.0 Travel and transportation of persons.....	1,093	1,200	1,300
22.0 Transportation of things.....	472	500	600
23.2 Communications, utilities, and other rent.....	120	140	170
24.0 Printing and reproduction.....	30	30	30
25.0 Other services.....	15,425	18,510	22,200
26.0 Supplies and materials.....	15,378	16,915	20,462
31.0 Equipment.....	44,568	92,531	132,842
32.0 Lands and structures.....	34,340	38,896	47,050
Total direct costs, funded.....	116,896	175,844	232,702
94.0 Change in selected resources.....	111,965	62,956	56,998
Total direct obligations.....	228,861	238,800	289,700

General and special funds—Continued

ACQUISITION, CONSTRUCTION, AND IMPROVEMENTS—Continued

Object Classification (in thousands of dollars)—Continued

Identification code 69-0240-0-1-403	1977 actual	1978 est.	1979 est.
Reimbursable obligations:			
25.0 Other services.....	5,575	7,803	-----
31.0 Equipment.....	439	550	-----
Total reimbursable costs.....	6,014	8,353	-----
94.0 Change in selected resources.....	3,853	-3,853	-----
Total reimbursable obligations.....	9,867	4,500	-----
99.0 Total obligations.....	238,728	243,300	289,700

Personnel Summary

Military:			
Total number of permanent positions.....	143	181	204
Full-time equivalent of other positions.....	0	0	0
Average number.....	143	181	204
Civilian:			
Total number of permanent positions.....	172	187	202
Full-time equivalent of other positions.....	3	3	3
Average paid employment.....	167	182	197
Average GS grade.....	9.40	9.36	9.34
Average GS salary.....	\$17,056	\$18,266	\$18,476

ALTERATION OF BRIDGES

For necessary expenses for alteration or removal of obstructive bridges; **[\$15,100,000] \$24,603,000**, to remain available until expended. (Title 14, United States Code; 33 U.S.C. 494-495; 511 et seq.; 49 U.S.C. 1655(g)(8); Department of Transportation and Related Agencies Appropriation Act, 1978; additional authorizing legislation to be proposed.)

Program and Financing (in thousands of dollars)

Identification code 69-0244-0-1-403	1977 actual	1978 est.	1979 est.
Program by activities:			
Alteration of bridges (operating costs, funded).....	10,148	15,000	15,000
Change in selected resources (undelivered orders).....	752	100	100
10.00 Total obligations (object class 41.0).....	10,900	15,100	15,100
Financing:			
24.40 Unobligated balance available, end of year.....	-----	-----	19,503
40.00 Budget authority (appropriation).....	10,900	15,100	34,603
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	10,900	15,100	15,100
72.40 Obligated balance, start of year.....	5,780	6,532	6,632
74.40 Obligated balance, end of year.....	-6,532	-6,632	-6,732
90.00 Outlays.....	10,148	15,000	15,000

This appropriation provides the Government's share of the costs for altering or removing bridges determined to be obstructions to navigation. In 1979, funding is provided to continue alteration of bridges currently under construction. Three new starts are fully funded in 1979.

RETIRED PAY *

*See Part III for additional information.

For retired pay, including the payment of obligations therefor otherwise chargeable to lapsed appropriations for this purpose, and payments under the Retired Serviceman's Family Protection and

Survivor Benefit Plans; **[\$155,401,000] \$173,600,000**. (Title 14, United States Code; 10 U.S.C. 1164, 1166, 1201, 1204, 1205, 1263, 1293, 1305, 1431-1455; 33 U.S.C. 763, 763-1, 763-2, 763a-1, 763a-2, 765, 771, 772; Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-0241-0-1-403	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Regular military personnel.....	135,001	150,935	167,846
2. Former Lighthouse Service personnel.....	2,000	2,054	1,948
3. Reserve personnel.....	3,535	4,092	4,906
4. Survivor benefit payments.....	3,220	3,495	3,870
Total program costs.....	143,755	160,576	178,570
Unfunded adjustments: Deductions from retired pay.....	-4,574	-5,175	-5,070
10.00 Total program costs, funded—obligations (object class 13.0).....	139,181	155,401	173,500
Financing:			
25.40 Unobligated balance lapsing.....	1,119	-----	-----
Budget authority.....	140,300	155,401	173,500
Budget authority:			
40.00 Appropriation.....	147,103	155,401	173,500
41.00 Transferred to other accounts.....	-6,803	-----	-----
43.00 Appropriation (adjusted).....	140,300	155,401	173,500
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	139,181	155,401	173,500
72.10 Receivables in excess of obligations, start of year.....	-----	-84	-----
72.40 Obligated balance, start of year.....	412	-----	-----
74.10 Receivables in excess of obligations, end of year.....	84	-----	-----
77.40 Adjustments in expired accounts.....	-161	-----	-----
90.00 Outlays.....	139,516	155,317	173,500

This appropriation provides for retired pay of military personnel of the Coast Guard and Coast Guard Reserve, members of the former Lighthouse Service, and for annuities payable to beneficiaries of retired military personnel under the retired serviceman's family protection plan (10 U.S.C. 1431-1446) and survivor benefit plan (10 U.S.C. 1447-1455).

The actual numbers on the rolls at the end of 1977 were 17,625 and the numbers estimated to be on the rolls at the end of 1978 and 1979 are 18,168 and 18,876, respectively. The following tabulation shows the average number of personnel on the rolls during 1977 compared with estimated numbers for 1978 and 1979:

CATEGORY	AVERAGE NUMBER		
	1977 actual	1978 estimate	1979 estimate
Enlisted personnel.....	11,046	11,519	11,995
Commissioned officers.....	3,021	3,046	3,087
Warrant officers.....	2,294	2,373	2,465
Former Lighthouse Service personnel.....	238	214	190
Reserve personnel.....	652	725	806
Total.....	17,251	17,877	18,543

RESERVE TRAINING

[(INCLUDING TRANSFER OF FUNDS)]

For all necessary expenses for the Coast Guard Reserve, as authorized by law; maintenance and operation of facilities; and supplies, equipment, and services; **[\$36,560,000] Provided**, That amounts equal to the obligated balances against the appropriations for

DEPARTMENT OF TRANSPORTATION

"Reserve training" for the two preceding years shall be transferred to and merged with this appropriation, and such merged appropriation shall be available as one fund, except for accounting purposes of the Coast Guard, for the payment of obligations properly incurred against such prior year appropriations and against this appropriation \$39,000,000. (Titles 10, 14, and 37, United States Code; Department of Transportation and Related Agencies Appropriation Act, 1978; additional authorizing legislation to be proposed for \$29,532,000.)

Program and Financing (in thousands of dollars)

Identification code 69-0242-0-1-403	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. Initial training.....	2,673	3,235	3,299
2. Continuing training.....	17,967	19,354	19,458
3. Operation and maintenance of training facilities.....	8,733	9,349	9,548
4. Administration.....	6,076	6,622	6,695
Total program costs, funded..	35,449	38,560	39,000
Change in selected resources (undelivered orders).....	189		
Total direct obligations.....	35,638	38,560	39,000
Reimbursable program:			
5. Miscellaneous services for other accounts (costs—obligations).....	20	40	42
10.00 Total obligations.....	35,658	38,600	39,042
Financing:			
11.00 Offsetting collections from: Federal funds.....	-20	-40	-42
25.40 Unobligated balance lapsing.....	112		
Budget authority.....	35,750	38,560	39,000
Budget authority:			
40.00 Appropriation.....	35,750	36,560	39,000
44.20 Supplemental now requested for civilian pay raises.....		108	
44.30 Supplemental now requested for military pay raises.....		1,892	
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	35,638	38,560	39,000
72.40 Obligated balance, start of year.....	3,564	3,410	4,970
74.40 Obligated balance, end of year.....	-3,410	-4,970	-5,970
77.40 Adjustments in expired accounts.....	-162		
90.00 Outlays, excluding pay raise supplemental.....	35,630	35,000	38,000
91.20 Outlays from civilian pay raise supplemental.....		108	
91.30 Outlays from military pay raise supplemental.....		1,892	

The Coast Guard Reserve Forces program's objective is to provide qualified individuals and trained units for active duty in time of war or national emergency. This objective is accomplished through formal training and augmentation of Regular Forces in the performance of peacetime missions during domestic emergencies and during routine and peak operations. Funds requested will provide a Ready Reserve of 20,000, including a Selected Reserve of 11,700.

Direct program.—1. Initial training.—This activity encompasses direct costs of initial training for two categories of nonprior service trainees. The first category involves those who perform approximately 30 weeks initial training comprised of recruit and entry level rate training. The second category involves reservists whose initial training is split between two consecutive summer periods. The first period, 2½ months, consists of recruit training. The second period, 2½ to 4 months, consists of entry level rate training and/or on-the-job training with the length of the period varying with the speciality.

2. Continuing training.—Direct costs of officer and enlisted drills and annual active duty for training are programed under this activity.

3. Operation and maintenance of training facilities.—All costs for the operation and maintenance of Reserve training facilities are programed under this activity. Included are the costs of a training vessel, the prorated share of the cost of joint usage of Coast Guard and other Armed Forces facilities, the cost of providing station-keeper personnel for organized Reserve training units, and the procurement of training aids and facilities (under \$75 thousand).

4. Administration.—This activity encompasses all administrative costs of the Reserve Forces program.

Reimbursable program.—5. Miscellaneous services for other accounts.—The Coast Guard performs functions related to mobilization for the Selective Service System for which reimbursement is received.

DAYS OF TRAINING

Initial training: Initial active duty for training.....	1977 actual	1978 estimate	1979 estimate
Continuing training: Selected Reserve (with pay):			
Active duty for training.....	132,693	132,642	132,642
Drills (12-48 per year).....	482,671	471,856	471,856
Other Ready Reserve (without pay):			
Drill training.....	13,809	14,000	14,000
Active duty for training.....	1,351	1,200	1,200

Object Classification (in thousands of dollars)

Identification code 69-0242-0-1-403	1977 actual	1978 est.	1979 est.
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	1,391	1,526	1,526
11.3 Positions other than permanent.....	15	16	16
11.5 Other personnel compensation.....	24	28	28
11.7 Military personnel.....	26,306	28,687	28,687
Total personnel compensation.....	27,736	30,257	30,257
Personnel benefits:			
12.1 Civilian.....	123	139	139
12.2 Military personnel.....	676	774	774
21.0 Travel and transportation of persons.....	1,212	1,323	1,403
22.0 Transportation of things.....	414	429	455
23.1 Standard level user charges.....	280	317	331
23.2 Communications, utilities, and other rent.....	400	414	439
24.0 Printing and reproduction.....	135	141	149
25.0 Other services.....	1,030	1,079	1,144
26.0 Supplies and materials.....	3,090	3,318	3,518
31.0 Equipment.....	312	325	344
42.0 Insurance claims and indemnities.....	41	44	47
Total direct costs, funded.....	35,449	38,560	39,000
94.0 Change in selected resources.....	189		
Total direct obligations.....	35,638	38,560	39,000
Reimbursable obligations:			
11.7 Personnel compensation: Military personnel.....	20	34	36
21.2 Personnel benefits: Military personnel.....		1	1
21.0 Travel and transportation of persons.....		5	5
Total reimbursable obligations.....	20	40	42
99.0 Total obligations.....	35,658	38,600	39,042

Personnel Summary

Military:			
Total number of permanent positions.....	728	714	714
Full-time equivalent of other positions.....	0	0	0
Average number.....	728	714	714
Civilian:			
Total number of permanent positions.....	119	119	119
Full-time equivalent of other positions.....	1	1	1
Average paid employment.....	113	116	116
Average GS grade.....	5.58	5.58	5.58
Average GS salary.....	\$11,587	\$12,296	\$12,296

General and special funds—Continued

RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

For necessary expenses, not otherwise provided for, for basic and applied scientific research, development, test, and evaluation; maintenance, rehabilitation, lease, and operation of facilities and equipment, as authorized by law; \$20,000,000, to remain available until expended: *Provided, that there may be credited to this appropriation funds received from State and local governments, other public authorities, private sources and foreign countries for expenses incurred for research, development, testing and evaluation. (Title 14, United States Code; Department of Transportation and Related agencies Appropriation Act, 1978; additional authorizing legislation to be proposed.)*

Program and Financing (in thousands of dollars)

Identification code 69-0243-0-1-403	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. Search and rescue.....	2,046	2,700	1,015
2. Aids to navigation.....	2,633	2,250	2,640
3. Marine safety.....	6,479	6,660	5,965
4. Marine environmental protection.....	5,280	5,670	7,410
5. Enforcement of laws and treaties.....		270	360
6. Marine science and polar ice operations.....	103	360	545
7. Military readiness.....		90	65
Total direct program costs, funded.....	16,541	18,000	18,000
Change in selected resources (undelivered orders).....	2,947	2,000	2,000
Total direct obligations.....	19,488	20,000	20,000
Reimbursable program:			
3. Marine safety.....	223	350	
4. Marine environmental protection.....	413	650	
Total reimbursable program costs, funded.....	636	1,000	
Change in selected resources (undelivered orders).....	-276		
Total reimbursable obligations.....	359	1,000	
10.00 Total obligations.....	19,847	21,000	20,000
Financing:			
11.00 Offsetting collections from: Federal funds.....	-359	-1,000	
21.40 Unobligated balance available, start of year.....	-6,375	-5,688	-5,688
24.40 Unobligated balance available, end of year.....	5,688	5,688	5,688
40.00 Budget authority (appropriation).....	18,800	20,000	20,000
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	19,488	20,000	20,000
72.40 Obligated balance, start of year.....	8,513	11,009	13,009
74.40 Obligated balance, end of year.....	-11,009	-13,009	-15,009
90.00 Outlays.....	16,992	18,000	18,000

1. *Search and rescue.*—Emphasis will be placed on improving search effectiveness rescue techniques and operating efficiency and safety of Coast Guard search and rescue forces. Infrared search system, wide area illumination system, and ship/helicopter interface projects will be continued and/or completed. New projects will include the study and treatment of hypothermia, improved probability of detection methodology, the development of a computer model for the evaluation of rescue techniques and procedures, and participation in a joint DOT/NASA research demonstration project involving the use of satellite surveillance of emergency location devices.

2. *Aids to navigation.*—Activities are designed to reduce the potential for damage to the environment and economic loss by an improved aids to navigation system for the maritime community. Continuing projects include applied research to develop loran-C for use in precision navigation in restricted waters, improve signal stability and investigation of signal augmentation techniques for application requiring very high accuracy. Continued emphasis will be given to the development of the quantitative relationship between visual aids to navigation and the accuracy of navigation.

3. *Marine safety.*—Commercial vessel safety research will be conducted to provide a knowledge base to support regulations and standards designed to prevent vessel casualties and to permit analysis of consequences of presently unpreventable accidents. Emphasis will be directed toward bulk hazardous cargo and cryogenic vessels and to human factors as they relate to the operation of their vessels, transfer operations in U.S. ports and the offshore industry operations. Recreational boating safety will emphasize background research for boating safety education, cause identification for powering-related accidents and an improved system to certify personal flotation devices. Port safety and security research will define vessel traffic management techniques to provide reliable and earlier conflict alerts to assess impact of conflict resolution, to reduce congestion and to route vessels of interest.

4. *Marine environmental protection.*—Emphasis is directed toward enhancing detection, identification, and quantification of pollutant spills, and development of new systems and procedures for the control and cleanup of those spills. Development of an air deployable oil sampler and a boat deployable hazardous substance sampler will be continued. A project to develop airborne surveillance for oil and hazardous substance identification and mapping of discharges will be conducted. Further development of waste water management systems to meet standards for Coast Guard vessels and perform the statutorily required research for marine sanitary devices for commercial and recreational vessels will be continued.

5. *Enforcement of laws and treaties.*—This activity will focus on the development of an advanced detection and surveillance system to meet the performance requirements of the Coast Guard's law enforcement missions, and the identification and development of near-term improvements in monitoring and surveillance. Development of a suitable transponder-locator device for deployment aboard foreign fishing vessels within the 200-mile fishery conservation zone will be initiated.

6. *Marine science and polar ice operations.*—The focus of this activity centers on ice-breaking and ice-clearing technology, improved effectiveness of the International Ice Patrol and the gathering of ice and current information to facilitate ship movement in the arctic areas.

7. *Military readiness.*—Activity in this program area will be a direct result of work in the broad programs, energy research and development, and research, development, test, and evaluation administration areas.

Object Classification (in thousands of dollars)

Identification code 69-0243-0-1-403	1977 actual	1978 est.	1979 est.
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	1,647	2,059	2,443
11.3 Positions other than permanent.....	79	85	89
11.5 Other personnel compensation.....	5	5	5
11.7 Military personnel.....	2,307	2,158	2,266
Total personnel compensation.....	4,038	4,307	4,803

Personnel benefits:				
12.1	Civilian	159	193	228
12.2	Military personnel	279	261	274
21.0	Travel and transportation of persons	638	823	830
22.0	Transportation of things	77	99	100
23.1	Standard level user charges	110	124	124
23.2	Communications, utilities, and other rent	267	345	350
	rent	54	70	70
24.0	Printing and reproduction	9,097	9,429	8,926
25.0	Other services	684	882	890
26.0	Supplies and materials	1,133	1,462	1,400
31.0	Equipment	5	5	5
32.0	Lands and structures			
Total direct costs, funded		16,541	18,000	18,000
94.0	Change in selected resources	2,947	2,000	2,000
Total direct obligations		19,488	20,000	20,000
Reimbursable obligations:				
21.0	Travel and transportation of persons	6		
22.0	Transportation of things	1		
25.0	Other services	595	1,000	
26.0	Supplies and materials	3		
31.0	Equipment	31		
Total reimbursable costs		636	1,000	
94.0	Change in selected resources	-276		
Total reimbursable obligations		359	1,000	
99.0	Total obligations	19,847	21,000	20,000

Personnel Summary

Military:				
	Total number of permanent positions	110	110	110
	Full-time equivalent of other positions	0	0	0
	Average paid employment	110	110	110
Civilian:				
	Total number of permanent positions	91	100	122
	Full-time equivalent of other positions	6	6	6
	Average paid employment	92	101	126
	Average GS grade	10.48	10.44	10.36
	Average GS salary	\$20,642	\$22,097	\$20,762

STATE BOATING SAFETY ASSISTANCE

For financial assistance for State boating safety programs in accordance with the provisions of the Federal Boat Safety Act of 1971, as amended (46 U.S.C. 1451 et seq.), [\$5,790,000] \$3,000,000, to remain available until expended. (Title 14, United States Code; 46 U.S.C. 1474-80; Department of Transportation and Related Agencies Appropriation Act, 1978; additional authorizing legislation to be proposed.)

Program and Financing (in thousands of dollars)

Identification code 69-0246-0-1-403				
1977 actual 1978 est. 1979 est.				
Program by activities:				
	State boating safety assistance (operating costs, funded)	7,039	5,790	3,000
	Change in selected resources (undelivered orders)	-566		
10.00	Total obligations (object class 41.0)	6,474	5,790	3,000
Financing:				
21.40	Unobligated balance available, start of year	-890	-206	-206
24.40	Unobligated balance available, end of year	206	206	206
40.00	Budget authority (appropriation)	5,790	5,790	3,000

Relation of obligations to outlays:				
71.00	Obligations incurred, net	6,474	5,790	3,000
72.40	Obligated balance, start of year	1,841	1,275	1,275
74.40	Obligated balance, end of year	-1,275	-1,275	-1,275
90.00	Outlays	7,039	5,790	3,000

This appropriation provides financial assistance for the development and implementation of comprehensive State boating safety programs. As a result of the success of this program in stimulating State boating safety functions, funding for this activity will be terminated after 1979. Coast Guard liaison with the States will be increased in 1979 to support their continuing boating safety efforts.

POLLUTION FUND (SPECIAL FUND)
Program and Financing (in thousands of dollars)

Identification code 69-5168-0-2-304				
1977 actual 1978 est. 1979 est.				
Program by activities:				
	Operating costs, funded	9,303	8,500	7,000
	Change in selected resources (undelivered orders)	-660		
10.00	Total obligations	8,644	8,500	7,000
Financing:				
21.40	Unobligated balance available, start of year	-712	-13,957	-12,457
24.40	Unobligated balance available, end of year	13,957	12,457	12,457
Budget authority				
21,888 7,000 7,000				
Budget authority:				
Current:				
40.00	Appropriation	10,000		
42.00	Transferred from other accounts	5,000		
43.00	Appropriation (adjusted)	15,000		
Permanent:				
60.00	Appropriation	6,888	7,000	7,000
Relation of obligations to outlays:				
71.00	Obligations incurred, net	8,644	8,500	7,000
72.40	Obligated balance, start of year	4,653	3,993	4,493
74.40	Obligated balance, end of year	-3,993	-4,493	-4,493
90.00	Outlays	9,303	8,000	7,000

This fund insures immediate cleanup of oil or other hazardous polluting substances spilled into the navigable waters of the United States, adjoining shorelines or waters of the contiguous zone. The fund is used when a spill occurs and the responsible owner or operator of a vessel of an onshore facility or of an offshore facility does not accomplish immediate cleanup with his own resources. Expenditures from the fund are later reimbursed by the responsible owner or operator.

Object Classification (in thousands of dollars)

Identification code 69-5168-0-2-304				
1977 actual 1978 est. 1979 est.				
21.0	Travel and transportation of persons	72		
22.0	Transportation of things	4		
23.2	Communications, utilities, and other rent	10		
	rent	8,918	8,500	7,000
25.0	Other services	268		
26.0	Supplies and materials	31		
42.0	Insurance claims and indemnities			
Total costs, funded		9,303	8,500	7,000
94.0	Change in selected resources	-660		
99.0	Total obligations	8,644	8,500	7,000

Intragovernmental funds:

COAST GUARD SUPPLY FUND

Program and Financing (in thousands of dollars)

Identification code 69-4535-0-4-403	1977 actual	1978 est.	1979 est.
Program by activities:			
Operating costs, funded: Cost of goods sold.....	54,836	60,300	63,900
Change in selected resources (undelivered orders and stores).....	3,239	98	100
10.00 Total obligations (object class 26.0).....	58,075	60,398	64,000
Financing:			
Offsetting collections from:			
Federal funds:			
11.00 Revenue.....	-48,167	-53,300	-56,400
Change in unfilled customers' orders.....	-1,957		
14.00 Non-Federal sources.....	-6,767	-7,000	-7,500
21.98 Unobligated balance available, start of year: Fund balance.....	-1,419	-235	-137
24.98 Unobligated balance available, end of year: Fund balance.....	235	137	37
Budget authority.....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	1,184	98	100
72.98 Obligated balance, start of year: Fund balance.....	2,767	2,035	1,233
74.98 Obligated balance, end of year: Fund balance.....	-2,035	-1,233	-833
90.00 Outlays.....	1,915	900	500

The Coast Guard supply fund, in accordance with 14 U.S.C. 650, finances the procurement of uniform clothing; commissary provisions; general stores; technical material; and fuel for vessels over 200 feet in length. The fund is financed by reimbursements from sale of goods.

Activity of approximately \$64 million in this fund in 1979 is divided 3% for uniform clothing; 45% for commissary provisions; and 52% for general stores, technical material, and fuel.

COAST GUARD YARD FUND

Program and Financing (in thousands of dollars)

Identification code 69-4743-0-4-403	1977 actual	1978 est.	1979 est.
Program by activities:			
Operating costs:			
Cost of goods sold.....	11,301	10,629	10,417
Other.....	21,145	21,564	21,634
Total operating costs.....	32,446	32,193	32,051
Unfunded adjustments to operating costs: Property transferred in without charge.....	-308	-126	-264
Total operating costs, funded.....	32,138	32,067	31,787
Capital investment, funded: Purchase of equipment.....	322	335	350
Total program costs, funded.....	32,460	32,402	32,137
Change in selected resources (undelivered orders and stores).....	-2,193	-1,991	-2,120
10.00 Total obligations.....	30,267	30,411	30,017
Financing:			
Offsetting collections from:			
Federal funds:			
11.00 Sale of goods and services.....	-32,752	-32,268	-32,047
Change in unfilled customers' orders on hand.....	-18,898	22,186	-5,500

14.00 Non-Federal sources:			
Sale of scrap and excess material.....	-92	-40	-40
Proceeds from sale of equipment.....	-38	-20	-30
21.98 Unobligated balance available, start of year: Fund balance.....	-2,756	-24,269	-4,000
24.98 Unobligated balance available, end of year: Fund balance.....	24,269	4,000	11,600
Budget authority.....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	-21,513	20,269	-7,600
72.98 Obligated balance, start of year: Fund balance.....	4,702	5,152	3,999
74.98 Obligated balance, end of year: Fund balance.....	-5,152	-3,999	-1,399
90.00 Outlays (surcharge collections).....	-21,964	21,422	-5,000

This fund finances industrial operation of the Coast Guard Yard, Curtis Bay, Md. (14 U.S.C.). The Yard finances its operations out of advances received from Coast Guard appropriations and other agencies for all direct and indirect costs.

ANALYSIS BY TYPE OF WORK

	[Percent]		
	1977 actual	1978 estimate	1979 estimate
Vessel repairs and alterations.....	57	64	63
Vessel construction.....	13	1	0
Boat repairs and construction.....	19	25	23
Buoy fabrication.....	3	3	3
Fabrication of special and miscellaneous items.....	8	7	11
Total.....	100	100	100

Object Classification (in thousands of dollars)

Identification code 69-4743-0-4-403	1977 actual	1978 est.	1979 est.
Personnel compensation:			
11.1 Permanent positions.....	14,406	15,199	15,268
11.3 Positions other than permanent.....	24	25	26
11.5 Other personnel compensation.....	2,686	2,277	2,277
11.7 Military personnel.....	352	403	407
Total personnel compensation.....	17,468	17,904	17,978
Personnel benefits:			
12.1 Civilian.....	1,568	1,654	1,662
12.2 Military personnel.....	15	17	17
21.0 Travel and transportation of persons.....	15	41	39
22.0 Transportation of things.....	74	67	65
23.2 Communications, utilities, and other rent.....	983	1,022	1,020
24.0 Printing and reproduction.....	7	8	7
25.0 Other services.....	755	751	745
26.0 Supplies and materials.....	11,560	10,729	10,518
31.0 Equipment.....	322	335	350
Total costs.....	32,767	32,528	32,401
94.0 Change in selected resources, net of unfunded adjustments.....	-2,500	-2,117	-2,384
99.0 Total obligations.....	30,267	30,411	30,017

Personnel Summary

Military:			
Total number of permanent positions.....	24	24	24
Full-time equivalent of other positions.....	0	0	0
Average paid employment.....	24	24	24
Civilian:			
Total number of permanent positions.....	1,007	1,007	1,007
Full-time equivalent of other positions.....	2	2	2
Average paid employment.....	970	948	940
Average GS grade.....	7.81	7.81	7.81
Average GS salary.....	\$15,024	\$16,220	\$16,382
Average salary of ungraded positions.....	\$15,038	\$16,028	\$16,040

Trust Funds

COAST GUARD GENERAL GIFT FUND (TRUST ACCOUNT)

Program and Financing (in thousands of dollars)

Identification code 69-8533-0-7-403	1977 actual	1978 est.	1979 est.
Program by activities:			
10.00 Training and morale (costs—obligations).....	4	30	30
Financing:			
21.40 Unobligated balance available, start of year:			
Treasury balance.....	-8	-12	-12
U.S. securities (par).....	-10	-10	-10
24.40 Unobligated balance available, end of year:			
Treasury balance.....	12	12	12
U.S. securities (par).....	10	10	10
60.00 Budget authority (appropriation) (permanent, indefinite).....	7	30	30
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	4	30	30
72.40 Obligated balance, start of year.....	2		
90.00 Outlays.....	6	30	30

This trust fund, maintained from gifts and bequests, is used for purposes as specified by the donor in connection with the Coast Guard training program (10 U.S.C. 2601).

Object Classification (in thousands of dollars)

Identification code 69-8533-0-7-403	1977 actual	1978 est.	1979 est.
25.0 Other services.....	3	23	23
26.0 Supplies and materials.....	1	4	4
31.0 Equipment.....		3	3
99.0 Total obligations.....	4	30	30

SPECIAL STATISTICAL WORK

Program and Financing (in thousands of dollars)

Identification code 69-8535-0-7-403	1977 actual	1978 est.	1979 est.
Program by activities:			
10.00 Special studies (costs—obligations) (object class 25.0).....		275	
Financing:			
60.00 Budget authority (appropriation) (permanent, indefinite).....		275	
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....		275	
90.00 Outlays.....		275	

Under the provisions of Public Law 89-670, October 15, 1966, this fund finances special statistical studies relating to foreign and domestic transportation and special studies relating to other matters falling within the province of the Department of Transportation.

MISCELLANEOUS TRUST REVOLVING FUNDS

Program and Financing (in thousands of dollars)

Identification code 69-9981-0-8-403	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Cadet activities.....	6,404	4,990	4,834
2. Surcharge collections, sales of commissary stores.....	155	125	89
10.00 Total program costs, funded—obligations.....	6,559	5,115	4,923
Financing:			
Offsetting collections from:			
11.00 Federal funds.....	-5,195	-4,430	-4,250
14.00 Non-Federal sources.....	-1,365	-633	-621
21.98 Unobligated balance available, start of year: Fund balance.....	-139	-140	-88
24.98 Unobligated balance available, end of year: Fund balance.....	140	88	36
Budget authority.....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....		52	52
72.98 Obligated balance, start of year: Fund balance.....	1,109	162	188
74.98 Obligated balance, end of year: Fund balance.....	-162	-188	-214
90.00 Outlays.....	947	26	26
Distribution of outlays by account:			
Surcharge collection, sales of commissary stores.....	947	26	26

The Coast Guard cadet fund is utilized by the Superintendent of the Coast Guard Academy to receive, plan, control, and expend personal funds of Coast Guard cadets. By use of the fund each cadet is assured funds to meet personal expenses while at the Academy and an adequate balance in his account at graduation for officer outfits, civilian clothing, and graduation leave expenses. The fund also receives and expends funds of the Coast Guard Academy Athletic Association.

The Coast Guard surcharge collections, sales of commissary stores fund is used to finance expenses incurred in connection with the operation of the Coast Guard commissary stores at Coast Guard Base, Governors Island, N.Y.; Coast Guard Training Center, Petaluma, Calif.; and Coast Guard Base, Kodiak, Alaska. Revenue is derived from a surcharge placed on sales to authorized store patrons (14 U.S.C. 487).

Object Classification (in thousands of dollars)

Identification code 69-9981-0-8-403	1977 actual	1978 est.	1979 est.
23.2 Communications, utilities, and other rent.....	26	29	32
25.0 Other services.....	4,446	3,454	3,316
26.0 Supplies and materials.....	2,074	1,605	1,551
31.0 Equipment.....	13	27	24
99.0 Total obligations.....	6,559	5,115	4,923

FEDERAL AVIATION ADMINISTRATION

The following table, in millions of dollars, depicts the funding for all Federal Aviation Administration programs for which more detail is furnished in the budget schedules.

	1977	1978	1979
Budget authority:			
Operations.....	1,738	1,900	2,006
Trust fund.....	(250)	(275)	(300)
Facilities, engineering and development.....	15	14	19
Metropolitan Washington airports.....	27	28	29
Grants-in-aid for airports (trust).....	510	555	590
Facilities and equipment (trust).....	200	209	371
Research, engineering and development (trust).....	74	81	75
Total net.....	2,564	2,787	3,090
Program level:			
Operations.....	1,735	1,906	2,006
Trust fund.....	(250)	(275)	(300)
Facilities, engineering and development.....	19	20	19
Metropolitan Washington airports.....	25	38	30
Grants-in-aid for airports (trust).....	518	555	590
Facilities and equipment (trust).....	202	215	220
Research, engineering, and development (trust).....	69	87	75
Civil supersonic aircraft development termination.....	-8		
Safety regulation.....	1		
Aviation war risk insurance revolving fund.....	-1	-1	-1
Aircraft loan guarantee.....	102		
Total net.....	2,662	2,820	2,939
Outlays:			
Operations.....	1,726	1,879	1,979
Trust fund.....	(250)	(275)	(300)
Facilities, engineering and development.....	13	22	18
Metropolitan Washington airports.....	27	32	34
Grants-in-aid for airports (trust).....	335	540	565
Facilities and equipment (trust).....	197	200	200
Research, engineering and development (trust).....	70	79	78
Safety regulation.....	1	1	
Aviation war risk insurance revolving fund.....	-1	-1	-1
Total net.....	2,368	2,752	2,873

¹ Reflects proposed legislation.
² Includes \$9 million reappropriation.

Federal Funds

General and special funds:

OPERATIONS*

[(INCLUDING TRANSFER OF FUNDS)]

* See "Legislative Program" (end of this chapter) for additional information.

For necessary expenses of the Federal Aviation Administration, not otherwise provided for, including administrative expenses for research and development and for establishment of air navigation facilities, and carrying out the provisions of the Airport and Airway Development Act; purchase of [four] three passenger motor vehicles for replacement only and purchase and repair of skis and snowshoes: [\$1,802,700,000] \$2,008,953,000, of which [\$275,000,000] \$300,000,000 shall be derived from the Airport and Airway Trust Fund, for the purposes of subsection (e) of section 14 of the Airport and Airway Development Act of 1970, as amended, and subject to the conditions of that subsection [together with \$5,600,000 to be derived by transfer from the appropriations for "Civil supersonic aircraft development termination" and "Civil supersonic aircraft development"]: *Provided*, That there may be credited to this appropriation, funds received from States, counties, municipalities, other public authorities, and private sources, for expenses incurred in the maintenance and operation of air navigation facilities.

(49 U.S.C. 1151-60 and 1301 et seq.; 50 U.S.C. App. 1622(g); 4 U.S.C. 1830; 10 U.S.C. 4655; Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-1301-0-1-402	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. Operations:			
(a) Operation of traffic control system.....	849,705	938,206	984,647
(b) Installation and materiel services.....	212,974	229,108	263,164
(c) Maintenance of traffic control system.....	433,148	478,052	497,521
(d) Administration of flight standards program.....	186,463	203,627	207,691
(e) Administration of medical programs.....	10,984	11,804	12,321
(f) Development direction.....	14,985	15,181	14,091
(g) Administration of airports program.....	27,159	29,922	30,870
2. Facilities and equipment.....	1	76	-----
3. Engineering and development.....	31	1	-----
Total direct program.....	1,735,450	1,905,977	2,010,305
Reimbursable program:			
1. Operations:			
(a) Operation of traffic control system.....	2,429	6,038	7,054
(b) Installation and materiel services.....	2,844	3,001	3,005
(c) Maintenance of traffic control system.....	5,654	8,420	8,978
(d) Administration of flight standards program.....	4,543	4,968	5,117
(e) Administration of medical programs.....	16	17	17
(g) Administration of airports program.....	99	462	554
Total reimbursable program.....	15,585	22,906	24,725
10.00 Total obligations.....	1,751,035	1,928,883	2,035,030
Financing:			
Offsetting collections from:			
11.00 Federal funds.....	-11,156	-11,649	-11,580
13.00 Trust funds.....	-250,000	-275,000	-300,000
14.00 Non-Federal sources.....	-4,429	-11,257	-14,497
21.40 Unobligated balance available, start of year.....	-109	-77	-----
22.40 Unobligated balance transferred from other accounts.....	-----	-5,600	-----
24.40 Unobligated balance available, end of year.....	77	-----	-----
25.40 Unobligated balance lapsing.....	2,382	-----	-----
Budget authority.....	1,487,800	1,625,300	1,708,953
Budget authority:			
40.00 Appropriation.....	1,487,800	1,527,700	1,708,953
44.20 Supplemental now requested for civilian pay raises.....	-----	97,600	-----
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	1,485,450	1,630,977	1,708,953
72.40 Obligated balance, start of year.....	146,618	149,315	176,499
74.40 Obligated balance, end of year.....	-149,315	-176,499	-203,452
77.40 Adjustments in expired accounts.....	-6,934	-----	-----
90.00 Outlays, excluding pay raise supplemental.....	1,475,819	1,509,993	1,678,200
91.20 Outlays from civilian pay raise supplemental.....	-----	93,800	3,800

1. *Operations*—(a) *Operation of traffic control system*.—This activity covers the operation of a national system of air traffic management in the United States and its possessions on a 24-hour basis. With the aid of radar, communications, and other facilities, traffic management personnel at 25 centers monitor and control en route flights of civil and military aircraft conducted under instrument conditions to assure safety and to expedite the flow of traffic. Control towers are operated at 430 major civil airports to guide traffic movements on and in the vicinity of the airports. Some 323 domestic and international flight service stations transmit weather and other information to pilots and relay traffic control data between ground controllers and pilots. The increase in 1979 will provide for some additional employment in the controller work force to handle workload growth and to operate newly commissioned air traffic control facilities. Legislation is proposed to eliminate second career training for air traffic controllers who are eligible for immediate retirement.

TRENDS IN VOLUME OF AIR TRAFFIC

Year:	Landings and takeoffs at airports with FAA towers (in millions)	Instrument operations at airports with FAA traffic control services (in millions)	Revenue passenger miles (in billions)
1973.....	53.9	22.5	157.9
1974.....	56.8	24.1	165.0
1975.....	59.0	26.2	159.0
1976.....	62.5	28.1	169.5
TQ.....	17.2	7.7	46.2
1977 estimate.....	66.5	30.7	186.4
1978 estimate.....	71.6	32.3	200.1
1979 estimate.....	76.5	34.0	213.3

(b) *Installation and materiel services*.—This activity covers procurement, contracting and materiel management programs; leased communications services for the traffic control system, and administrative communications services provided through the Federal Telecommunications System (FTS); supply support for the National Airspace System (NAS) and agency aircraft, except for aircraft related to the research and development program; lease costs for space for which payment is made to General Services Administration (GSA), and other logistics support functions such as administrative services, interfunctional and plant maintenance.

(c) *Maintenance of traffic control system*.—This activity covers the direction and engineering services related to the maintenance, improvement, and modification of facilities and equipment in the traffic control system; and the technical operation and maintenance of a national network of air navigation aids and traffic control facilities in the United States and its possessions.

(d) *Administration of flight standards program*.—This activity exists to promote safety of flight of civil aircraft in air commerce by assuring the airworthiness of aircraft; the competence of airmen; the adequacy of flight procedures and air operations; the evaluation of inflight facility performance for compliance with prescribed standards; and the safe operation and the effective development, utilization, and maintenance of the FAA's aircraft fleet. Resources are also included under this activity for the conduct of the Federal Government's civil aviation security program.

(e) *Administration of medical programs*.—This activity covers the development of regulations governing the physical and mental fitness of airmen and other persons whose health affects safety in flight; the application of these medical standards through the physical examination of applicants for new or periodic renewal of airmen medical certification; the management of a corps of over 7,800

designated aviation medical examiners trained in the special requirements of aviation medicine; the development and supervision of an occupational health program for agency personnel; the administration of an airman medical education program and the administration of an aviation medical research program, the costs of which are financed under the Research, engineering and development and Facilities, engineering and development appropriations.

(f) *Development direction*.—This activity covers the planning, direction, and evaluation of the engineering and development program, the direct project costs of which are financed under the Research, engineering and development and Facilities, engineering and development appropriations.

(g) *Administration of airports program*.—This activity includes the following work programs: (1) administration of a grants-in-aid program for airport planning and development; (2) maintenance of a national airport system plan; (3) development and application of airport engineering and safety standards; (4) collection, processing, and dissemination of airport data; and (5) safety certification of airports serving Civil Aeronautics Board certificated air carriers.

Object Classification (in thousands of dollars)

Identification code 69-1301-0-1-402	1977 actual	1978 est.	1979 est.
FEDERAL AVIATION ADMINISTRATION			
Direct:			
Personnel compensation:			
11.1 Permanent positions.....	1,132,674	1,246,705	1,286,243
11.3 Positions other than permanent.....	40,039	39,208	39,488
11.5 Other personnel compensation.....	66,089	74,241	76,809
11.8 Special personal services payments.....	763	583	586
Total personnel compensation.....	1,239,565	1,360,737	1,403,126
12.1 Personnel benefits: Civilian.....	150,947	174,463	187,929
13.0 Benefits for former personnel.....	29	-----	-----
21.0 Travel and transportation of persons.....	40,507	44,177	46,372
22.0 Transportation of things.....	13,099	14,349	15,089
23.1 Standard level user charges.....	13,681	17,409	18,407
23.2 Communications, utilities, and other rent.....	67,684	79,118	90,833
24.0 Printing and reproduction.....	8,049	8,532	8,383
25.0 Other services.....	77,066	86,658	92,011
26.0 Supplies and materials.....	59,173	54,889	61,893
31.0 Equipment.....	11,787	8,672	10,826
32.0 Lands and structures.....	239	156	230
41.0 Grants, subsidies, and contributions.....	1	-----	-----
42.0 Insurance claims and indemnities.....	302	112	110
Subtotal.....	1,682,129	1,849,272	1,935,209
95.0 Quarters and subsistence charges.....	-1,203	-1,275	-----
Total direct obligations.....	1,680,926	1,847,997	1,935,209
Reimbursable:			
Personnel compensation:			
11.1 Permanent positions.....	7,726	10,947	12,272
11.3 Positions other than permanent.....	128	195	126
11.5 Other personnel compensation.....	498	866	883
11.8 Special personal services payments.....	257	784	908
Total personnel compensation.....	8,609	12,792	14,189
12.1 Personnel benefits: Civilian.....	973	2,086	2,641
21.0 Travel and transportation of persons.....	789	1,254	1,277
22.0 Transportation of things.....	154	742	978
23.2 Communications, utilities, and other rent.....	508	552	561
24.0 Printing and reproduction.....	66	53	62
25.0 Other services.....	708	1,516	1,234
26.0 Supplies and materials.....	3,562	3,645	3,588
31.0 Equipment.....	225	276	195
42.0 Insurance claims and indemnities.....	1	-----	-----
Subtotal.....	15,595	22,916	24,725

General and special funds—Continued

OPERATIONS—Continued

Object Classification (in thousands of dollars)—Continued

Identification code 69-1301-0-1-402	1977 actual	1978 est.	1979 est.
95.0 Quarters and subsistence charges.....	-10	-10	-----
Total reimbursable obligations.....	15,585	22,906	24,725
Total obligations, Federal Aviation Administration.....	1,696,511	1,870,903	1,959,934
ALLOCATION TO DEPARTMENT OF DEFENSE			
23.2 Communications, utilities, and other rent.....	54,524	57,980	75,096
99.0 Total obligations.....	1,751,035	1,928,883	2,035,030

Personnel Summary

Direct:			
Total number of permanent positions.....	53,916	54,978	55,101
Full-time equivalent of other positions.....	2,367	1,967	2,067
Average paid employment.....	54,495	54,697	55,341
Average GS grade.....	11.10	11.20	11.12
Average GS salary.....	\$22,368	\$24,225	\$24,375
Average NM grade.....	10.95	11.49	11.49
Average NM salary.....	\$24,676	\$27,117	\$27,507
Average salary of ungraded positions.....	\$17,231	\$17,702	\$17,864
Reimbursable:			
Total number of permanent positions.....	542	570	603
Full-time equivalent of other positions.....	6	5	19
Average paid employment.....	455	500	541
Average GS grade.....	10.34	10.53	10.62
Average GS salary.....	\$19,047	\$21,373	\$21,572
Average FC grade.....	11.12	11.80	11.12
Average FC salary.....	\$28,947	\$31,442	\$31,837
Average salary of ungraded positions.....	\$16,876	\$17,832	\$17,988

FACILITIES, ENGINEERING AND DEVELOPMENT

[(INCLUDING TRANSFER OF FUNDS)]

For necessary expenses of the Federal Aviation Administration, not otherwise provided [for and] for, for acquisition and modernization of facilities and equipment and service testing in accordance with the provisions of the Federal Aviation Act (49 U.S.C. 1301-1542), including construction of experimental facilities and acquisition of necessary sites by lease or grant and purchase of [one] three aircraft for replacement only, [\$14,263,000] \$19,411,000, to remain available until expended; and, in addition, not to exceed \$2,350,000 from unobligated balances in the appropriations for "Civil supersonic aircraft development" and "Civil supersonic aircraft development termination" may be transferred to this account for necessary expenses to conduct a study of high altitude pollution; Provided, That there may be credited to this appropriation, funds received from States, counties, municipalities, other public authorities, and private sources, for expenses incurred for engineering and development. (49 U.S.C. 1301 et seq.; Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-1303-0-1-402	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. Engineering and development.....	18,536	18,363	16,445
2. Facilities and equipment.....	350	1,300	2,966
Total direct program.....	18,886	19,663	19,411
Reimbursable program:			
1. Engineering and development.....	525	1,290	1,000
10.00 Total obligations.....	19,411	20,953	20,411

Financing:

Offsetting collections from:			
11.00 Federal funds.....	-475	-1,190	-900
14.00 Non-Federal sources.....	-50	-100	-100
21.40 Unobligated balance available, start of year.....	-4,535	-3,050	-----
22.40 Unobligated balance transferred from other accounts.....	-1,900	-2,350	-----
24.40 Unobligated balance available, end of year.....	3,050	-----	-----
40.00 Budget authority (appropriation)	15,500	14,263	19,411
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	18,886	19,663	19,411
72.40 Obligated balance, start of year.....	5,786	11,218	8,381
74.40 Obligated balance, end of year.....	-11,218	-8,381	-9,792
90.00 Outlays.....	13,454	22,500	18,000

The 1979 estimates allow for a significant increase in the research and development activities which address aircraft safety. In addition funds are provided for the replacement of piston aircraft with turbined powered aircraft. It is anticipated that improved performance turbine powered aircraft will allow fewer aircraft to accomplish the workload currently being performed by piston aircraft.

1. *Engineering and development*—(a) *Aircraft safety*.—This subactivity covers the development of regulations for an accident prevention program designed to promote flight safety of civil aircraft by assuring the design, flight performance, and airworthiness of aircraft and development of systems and devices to prevent and deter sabotage in the civil air transportation system.

(b) *Aviation medicine*.—This subactivity provides for conducting an aeromedical research and development program to identify and eliminate those physical, physiological, and psychological factors which may jeopardize flight safety.

(c) *Environment*.—Principal efforts provided for under this subactivity are the development of data to support rulemaking and to minimize the undesired environmental effects on the public attributable to the air transportation system.

2. *Facilities and equipment*.—This activity provides for training equipment used primarily by flight inspectors in keeping abreast of the latest technology in the areas of their responsibility and for the purpose of maintaining proficiency in the performance of their duties. Also included are procurement and modification of nonflight inspection aircraft and improvement and replacement of navigation equipment.

Object Classification (in thousands of dollars)

Identification code 69-1303-0-1-402	1977 actual	1978 est.	1979 est.
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	4,458	4,903	4,915
11.3 Positions other than permanent.....	37	42	42
11.5 Other personnel compensation.....	23	42	41
11.8 Special personal services payments.....	62	60	60
Total personnel compensation.....	4,580	5,047	5,058
12.1 Personnel benefits: Civilian.....	431	494	482
21.0 Travel and transportation of persons.....	150	170	216
22.0 Transportation of things.....	32	18	15
24.0 Printing and reproduction.....	7	5	5
25.0 Other services.....	12,689	12,297	10,188
26.0 Supplies and materials.....	322	204	280
31.0 Equipment.....	662	1,428	3,167
32.0 Lands and structures.....	13	-----	-----
Total direct obligations.....	18,886	19,663	19,411

Reimbursable obligations:			
11.1 Personnel compensation: Permanent positions.....	95	133	135
12.1 Personnel benefits: Civilian.....	13	13	13
21.0 Travel and transportation of persons.....	2	4	4
25.0 Other services.....	389	1,135	843
26.0 Supplies and materials.....	12	5	5
31.0 Equipment.....	14		
Total reimbursable obligations.....	525	1,290	1,000
99.0 Total obligations.....	19,411	20,953	20,411

Personnel Summary

Direct:			
Total number of permanent positions.....	187	187	187
Full-time equivalent of other positions.....	0	0	0
Average paid employment.....	168	187	181
Average GS grade.....	11.19	11.30	11.36
Average GS salary.....	\$25,480	\$27,124	\$27,537
Average salary of ungraded positions.....	\$15,306	\$16,651	\$16,651
Reimbursable:			
Total number of permanent positions.....	6	6	6
Full-time equivalent of other positions.....	0	0	0
Average paid employment.....	6	6	6
Average GS grade.....	9.83	10.17	10.17
Average GS salary.....	\$19,804	\$21,435	\$21,537

OPERATION AND MAINTENANCE, METROPOLITAN WASHINGTON AIRPORTS

For expenses incident to the care, operation, maintenance, improvement, and protection of the federally owned civil airports in the vicinity of the District of Columbia, including purchase of ten passenger motor vehicles for police or ambulance type use, for replacement only; and purchase of two motor bikes for replacement only; purchase, cleaning, and repair of uniforms; and arms and ammunition; **[\$21,273,000] \$23,858,000.** (49 U.S.C. 1301 et seq.; 54 Stat. 686, as amended; 54 Stat. 770, as amended; 54 Stat. 1030, 1039; Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-1332-0-1-402	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. Washington National Airport.....	10,514	10,840	11,211
2. Dulles International Airport.....	10,251	10,696	10,989
Total operating costs.....	20,765	21,536	22,200
Capital investment, funded:			
1. Washington National Airport.....	427	363	799
2. Dulles International Airport.....	287	255	736
Total capital investment.....	714	618	1,535
Total direct costs, funded.....	21,479	22,154	23,735
Reimbursable program.....	144	180	190
Total program costs, funded.....	21,623	22,334	23,925
Change in selected resources (stores, undelivered orders, accrued annual leave).....	-95	139	123
10.00 Total obligations.....	21,528	22,473	24,048
Financing:			
11.00 Offsetting collections from: Federal funds.....	-158	-180	-190
25.40 Unobligated balance lapsing.....	130		
Budget authority.....	21,500	22,293	23,858
Budget authority:			
40.00 Appropriation.....	21,500	21,273	23,858
44.20 Supplemental now requested for civilian pay raises.....		1,020	

Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	21,370	22,293	23,858
72.40 Obligated balance, start of year.....	2,111	2,725	2,822
74.40 Obligated balance, end of year.....	-2,725	-2,822	-2,802
77.40 Adjustments in expired accounts.....	-31		
90.00 Outlays, excluding pay raise supplemental.....	20,726	21,238	23,816
91.20 Outlays from civilian pay raise supplemental.....		958	62

This appropriation finances maintenance, operations, management, and capital investment costs for equipment and minor facility projects at the federally owned Washington National and Dulles International Airports which serve the Metropolitan Washington area.

The operation of the airports is conducted on a commercial basis with revenues derived from landing fees, concession activity, and lease arrangements being deposited as receipts in the general fund of the Treasury. The direct operating costs and capital investment are financed by direct appropriation.

Combined revenues are expected to exceed the 1979 appropriation by \$10.2 million. The operating profit at Washington National in 1979 is expected to be \$9,444 thousand and \$2,245 thousand at Dulles International for a total operating profit of \$11,689 thousand. However, the deduction of \$8,026 thousand in depreciation and interest for the two airports results in a net profit of \$3,663 thousand.

The rate structures and concession arrangements are established so as to assure the recovery of operating costs, interest expenses, and an appropriate return on the Government's investment during the useful life of the airports.

The following table reflects increase in activity at the airports:

Washington National Airport:	1977 actual	1978 estimate	1979 estimate
Passengers (thousands).....	12,989	13,456	14,261
Air operations (thousands).....	342	345	361
Air cargo (million pounds).....	169	181	193
Freight.....	(83)	(89)	(95)
Mail.....	(86)	(92)	(98)
Dulles International Airport:			
Passengers (thousands).....	2,817	3,041	3,228
Domestic.....	(2,269)	(2,450)	(2,597)
International.....	(548)	(591)	(631)
Air operations (thousands).....	198	196	200
Air cargo (million pounds).....	103	105	107
Freight.....	(68)	(71)	(73)
Mail.....	(35)	(34)	(34)

Object Classification (in thousands of dollars)

Identification code 69-1332-0-1-402	1977 actual	1978 est.	1979 est.
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	12,129	13,275	13,457
11.3 Positions other than permanent.....	70	64	67
11.5 Other personnel compensation.....	1,380	1,390	1,397
Total personnel compensation.....	13,579	14,729	14,921
12.1 Personnel benefits: Civilian.....	1,286	1,401	1,420
21.0 Travel and transportation of persons.....	47	59	58
22.0 Transportation of things.....	3	6	6
23.2 Communications, utilities, and other rent.....	3,025	3,018	3,248
24.0 Printing and reproduction.....	10	12	12
25.0 Other services.....	890	852	905
26.0 Supplies and materials.....	1,984	1,720	1,834
31.0 Equipment.....	503	180	1,209
32.0 Lands and structures.....	149	175	120
42.0 Insurance claims and indemnities.....	3	2	2
Total direct costs, funded.....	21,479	22,154	23,735
94.0 Change in selected resources.....	-95	139	123
Total direct obligations.....	21,384	22,293	23,858

General and special funds—Continued

OPERATION AND MAINTENANCE, METROPOLITAN WASHINGTON AIRPORTS—Continued

Object Classification (in thousands of dollars)—Continued

Identification code 69-1332-0-1-402	1977 actual	1978 est.	1979 est.
Reimbursable obligations:			
21.0 Travel and transportation of persons.....	1	-----	-----
23.2 Communications, utilities, and other rent.....	57	85	90
26.0 Supplies and materials.....	86	95	100
Total reimbursable obligations.....	144	180	190
99.0 Total obligations.....	21,528	22,473	24,048

Personnel Summary

Total number of permanent positions.....	844	844	826
Full-time equivalent of other positions.....	7	6	6
Average paid employment.....	810	805	811
Average GS grade.....	6.84	6.86	6.86
Average GS salary.....	\$15,013	\$16,234	\$16,464
Average salary of ungraded positions.....	\$15,156	\$16,716	\$16,900

CONSTRUCTION, METROPOLITAN WASHINGTON AIRPORTS

For necessary expenses for construction at the federally owned civil airports in the vicinity of the District of Columbia, **[\$5,500,000] \$6,270,000**, to remain available until September 30, **[1980] 1981**. (49 U.S.C. 1501 et seq.; 54 Stat. 686, as amended; 64 Stat. 770, as amended; 54 Stat. 1030, 1039; Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-1333-0-1-402	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. Washington National Airport.....	3,818	3,688	6,724
2. Dulles International Airport.....	2,287	6,312	3,814
Total direct program costs, funded.....	6,105	10,000	10,538
Reimbursable program.....	-----	225	-----
Total program costs, funded.....	6,105	10,225	10,538
Change in selected resources (undelivered orders).....	-2,020	5,396	-4,258
10.00 Total obligations.....	4,085	15,621	6,280
Financing:			
11.00 Offsetting collections from: Federal funds.....	-----	-225	-----
21.40 Unobligated balance available, start of year.....	-12,906	-13,812	-3,916
24.40 Unobligated balance available, end of year.....	13,812	3,916	2,906
25.40 Unobligated balance lapsing.....	9	-----	-----
40.00 Budget authority (appropriation).....	5,000	5,500	5,270
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	4,085	15,396	6,280
72.40 Obligated balance, start of year.....	5,657	3,637	9,033
74.40 Obligated balance, end of year.....	-3,637	-9,033	-4,775
90.00 Outlays.....	6,105	10,000	10,538

The projects in the construction program for Washington National and Dulles International Airports for 1979 are designed to accomplish the following three objectives:
Upgrade airport facilities and correct deficiencies.—Due to the impact of growth in the air industry and changes in

technology, existing facilities require expansion or replacement to correct deficiencies in load capacity or to upgrade performance through modernization. At National, funds are programmed to design an extended runway safety area, install a 12-inch water line to Route 1, design the widening of the holding apron for runway 36, stabilize taxiway shoulders, install escalators in the main terminal, and reconstruct taxiway "A" and widen fillets. At Dulles, funds are requested to provide a skid resistant pavement surface on the runways and to expand the baggage claim area in the terminal.

Rehabilitate existing facilities.—Existing facilities require periodic rehabilitation due to deterioration from age and usage. At National, funds are programmed to reroof hangars. At Dulles, funds are included to rehabilitate runway 12-30.

Energy conservation.—In response to the multi-year program to increase energy efficiency at Federal facilities, funds are required at Dulles to implement energy savings projects.

Object Classification (in thousands of dollars)

Identification code 69-1333-0-1-402	1977 actual	1978 est.	1979 est.
FEDERAL AVIATION ADMINISTRATION			
Direct obligations:			
32.0 Lands and structures.....	5,625	9,883	10,538
94.0 Change in selected resources.....	-2,020	5,396	-4,258
Total direct obligations.....	3,605	15,279	6,280
Reimbursable obligations:			
32.0 Lands and structures.....	-----	225	-----
Total obligations, Federal Aviation Administration.....	3,605	15,504	6,280

ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION

32.0 Lands and structures.....	481	117	-----
99.0 Total obligations.....	4,085	15,621	6,280

CIVIL SUPERSONIC AIRCRAFT DEVELOPMENT TERMINATION

Program and Financing (in thousands of dollars)

Identification code 69-0106-0-1-402	1977 actual	1978 est.	1979 est.
Program by activities:			
10.00 Civil supersonic aircraft development termination (costs—obligations)....	40	-----	-----
Financing:			
17.00 Recovery of prior year obligations.....	-7,628	-----	-----
21.40 Unobligated balance available, start of year.....	-2,410	-8,098	-148
23.40 Unobligated balance transferred to other accounts.....	1,900	7,950	-----
24.40 Unobligated balance available, end of year.....	8,098	148	148
Budget authority.....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	-7,588	-----	-----
72.40 Obligated balance, start of year.....	21,934	14,266	14,266
74.40 Obligated balance, end of year.....	-14,266	-14,266	-14,266
90.00 Outlays.....	80	-----	-----

Distribution of outlays by account:

Civil supersonic aircraft development termination.....	47	-----	-----
Civil supersonic aircraft development.....	46	-----	-----
Research and development.....	-13	-----	-----

This appropriation finances the termination of the supersonic transport development program. Included in these costs are payment of contractor claims and closeouts, airline refunds, and the necessary administrative costs incidental to the activities.

Object Classification (in thousands of dollars)

Identification code 69-0106-0-1-402	1977 actual	1978 est.	1979 est.
11.1 Personnel compensation: Permanent positions.....	38		
12.1 Personnel benefits: Civilian.....	2		
99.0 Total obligations.....	40		

Personnel Summary

Total number of permanent positions.....	0		
Full-time equivalent of other positions.....	0		
Average paid employment.....	1		

SAFETY REGULATION

Program and Financing (in thousands of dollars)

Identification code 69-1307-0-1-402	1977 actual	1978 est.	1979 est.
Program by activities:			
10.00 Engineering and development (costs—obligations).....	674	58	
Financing:			
21.40 Unobligated balance available, start of year.....	-732	-58	
24.40 Unobligated balance available, end of year.....	58		
Budget authority.....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	674	58	
72.40 Obligated balance, start of year.....	1,407	1,122	180
74.40 Obligated balance, end of year.....	-1,122	-180	
90.00 Outlays.....	959	1,000	180

This account was phased out in 1973 and the current activities are reflected in the Facilities, engineering and development account in 1979.

Object Classification (in thousands of dollars)

Identification code 69-1307-0-1-402	1977 actual	1978 est.	1979 est.
25.0 Other services.....	661	58	
26.0 Supplies and materials.....	3		
31.0 Equipment.....	10		
99.0 Total obligations.....	674	58	

UNITED STATES INTERNATIONAL AERONAUTICAL EXPOSITION

Program and Financing (in thousands of dollars)

Identification code 69-1302-0-1-402	1977 actual	1978 est.	1979 est.
Program by activities:			
10.00 United States International Aeronautical Exposition (costs—obligations) (object class 25.0).....		237	
Financing:			
21.40 Unobligated balance available, start of year.....	-237	-237	

24.40 Unobligated balance available, end of year.....	237		
Budget authority.....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....		237	
90.00 Outlays.....		237	

This exposition has been successfully concluded; therefore, this account has been phased out.

Public enterprise funds:

AVIATION WAR RISK INSURANCE REVOLVING FUND

The Secretary of Transportation is hereby authorized to make such expenditures and investments, within the limits of funds available pursuant to section 1306 of the Act of August 23, 1958, as amended (49 U.S.C. 1536), and in accordance with section 104 of the Government Corporation Control Act, as amended (31 U.S.C. 849), as may be necessary in carrying out the programs set forth in the budget for the current fiscal year for aviation war risk insurance activities under said Act. (Department of Transportation Act, 49 U.S.C. 1651 et. seq.; 49 U.S.C. 1536; 72 Stat. 800-806; Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-4120-0-3-402	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
Administrative expenses.....	52	61	61
Reimbursable program.....		100	100
10.00 Total obligations.....	52	161	161
Financing:			
Offsetting collections from:			
11.00 Federal funds.....	-987	-890	-932
14.00 Non-Federal sources.....	-6	-15	-15
21.98 Unobligated balance available, start of year:			
Fund balance.....	-160	-321	-260
U.S. securities (par).....	-14,415	-15,195	-16,000
24.98 Unobligated balance available, end of year:			
Fund balance.....	321	260	196
U.S. securities (par).....	15,195	16,000	16,850
Budget authority.....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	-941	-744	-786
72.10 Receivables in excess of obligations, start of year.....	-61	-105	-105
74.10 Receivables in excess of obligations, end of year.....	105	105	105
90.00 Outlays.....	-897	-744	-786

The fund currently provides direct support for the Aviation war risk insurance program authorized under title XIII of the Federal Aviation Act.

In addition to the premium program, binders are also issued to cover aircraft, persons, and property. These binders would provide war risk insurance in wartime and under certain situations short of war. Also available are policies which provide like coverage for U.S. air carrier aircraft used in connection with certain Government contract operations entered into by the Department of Defense (DOD) and Department of State (DOS). There exists indemnity agreements whereunder the DOD and

Public enterprise funds—Continued

AVIATION WAR RISK INSURANCE REVOLVING FUND—Continued

DOS agree to reimburse the Department of Transportation for all losses paid to air carriers sustaining damage to their aircraft by an insured peril while said aircraft is operating under a contract to the interested Department.

Administration costs are out of fee receipts (49 U.S.C. 1531, as amended 75 Stat. 210) and interests earned through authorized investments. The authorized staffing consists of one aviation insurance program officer and one secretary stenographer.

Revenue and Expense (in thousands of dollars)

	1977 actual	1978 est.	1979 est.
Administrative expenses:			
Revenue.....	993	905	947
Expense.....	-52	-161	-161
Net operating income.....	941	744	786

Financial Condition (in thousands of dollars)

	TQ actual	1977 actual	1978 est.	1979 est.
Assets:				
Fund balance with Treasury..	99	216	155	91
U.S. securities (par).....	14,415	15,195	16,000	16,850
Accounts receivable.....	61	105	105	105
Total.....	14,575	15,516	16,260	17,046
Government equity:				
Retained earnings.....	14,575	15,516	16,260	17,046

Analysis of changes in Government equity:

Retained earnings:				
Start of year.....	14,575	15,516	16,260	786
Net income for year.....	941	744	786	
Total Government equity (end of year)	15,516	16,260	17,046	

Object Classification (in thousands of dollars)

Identification code 69-4120-0-3-402	1977 actual	1978 est.	1979 est.
11.1 Personnel compensation: Permanent positions.....	48	54	54
12.1 Personnel benefits: Civilian.....	4	5	5
21.0 Travel and transportation of persons.....		1	1
26.0 Supplies and materials.....		1	1
Total direct obligations.....	52	61	61
42.0 Reimbursable obligations: Insurance claims and indemnities.....		100	100
99.0 Total obligations.....	52	161	161

Personnel Summary

Total number of permanent positions.....	2	2	2
Full-time equivalent of other positions.....	0	0	0
Average paid employment.....	2	2	2
Average GS grade.....	11.00	11.00	11.00
Average GS salary.....	\$26,521	\$28,364	\$28,564

Trust Funds

AIRPORT AND AIRWAY TRUST FUND

Amounts Available for Appropriation (in thousands of dollars)

	1977 actual	1978 est.	1979 est.
Unappropriated balance, start of year.....	1,976,137	2,490,839	3,082,239
Revenue.....	1,384,476	1,496,200	1,661,200
Proposed legislation (net).....			-334,000
Total available for appropriation.....	3,360,613	3,987,039	4,409,439
Appropriations:			
Facilities and equipment.....	-200,000	-200,000	-370,947
Research, engineering and development....	-74,350	-80,800	-75,373
Grants-in-aid for airports:			
Appropriation.....		-15,000	-15,000
Appropriation to liquidate contract authority.....	-355,000	-325,000	-550,000
Operations: Trust fund transfer to operations, general fund, for maintaining air navigation facilities.....	-250,000	-275,000	-360,000
Total appropriations.....	-879,350	-895,800	-1,311,320
Reappropriation: Facilities and equipment.....		-9,000	
Adjustment in expired accounts returned to unappropriated receipts.....	-111		
Unobligated balance returned to unappropriated receipts.....	9,687		
Unappropriated balance, end of year.....	2,490,839	3,082,239	3,098,119

The Airport and Airway Development Act of 1970 (Public Law 91-258, 84 Stat. 219) as amended by the Airport and Airway Development Act Amendments of 1976 (Public Law 94-353, 90 Stat. 871), provides for the transfer of revenue from the general fund to the Airport and airway trust fund. This revenue is derived from the aviation fuel tax and certain other taxes paid by airport and airway users. The Secretary of the Treasury estimates the amount to be so transferred. In turn, annual appropriations are authorized from this fund to meet expenditures for Federal-aid airports and airways.

The status of the fund is as follows (in thousands of dollars):

	1977 actual	1978 estimate	1979 estimate
Unexpended balance brought forward:			
U.S. securities (par).....	2,712,201	3,245,981	3,653,243
Cash.....	23,837	21,869	17,000
Balance of fund, start of year.....	2,736,038	3,267,850	3,670,243
Cash income during the year:			
Government receipts:			
From excise taxes:			
Passenger ticket tax.....	1,006,968	1,070,500	1,178,700
Waybill tax.....	50,671	64,500	70,600
Fuel tax.....	55,830	67,200	72,400
International passenger tax.....	56,999	60,000	63,900
Aircraft use tax.....	21,577	26,100	27,700
Aircraft tires and tubes tax.....	960	900	900
Refunds of taxes.....	-2,068	-2,000	-2,000
Proposed legislation (net).....			-334,000
Passenger ticket tax.....			(-28,000)
Waybill tax.....			(-11,000)
Interest on investments.....			
Intrabudgetary transaction: Interest on investments.....	193,540	209,000	249,000
Total annual income.....	1,384,476	1,496,200	1,327,200

Cash outgo during the year:			
Federal Aviation Administration:			
Grants-in-aid for airports.....	334,823	540,000	565,000
Facilities and equipment.....	197,109	200,000	200,000
Research, engineering and develop- ment.....	70,487	79,000	78,000
Operations.....	250,245	274,807	300,000
Total annual outgo.....	852,664	1,093,807	1,143,000
Unexpended balance carried forward:			
U.S. securities (par).....	3,245,981	3,653,243	3,836,443
Cash.....	21,869	17,000	18,000
Balance of fund, end of year....	3,267,850	3,670,243	3,854,443
Commitment against unexpended bal- ances:			
Appropriated but not expended.....	-777,010	-588,003	-756,323
Committed to future liquidating cash appropriations:			
To liquidate outstanding obliga- tions (contract authority).....	-602,022	-817,022	-842,022
To reserve funds equivalent to cumu- lative shortfalls below minimum annual obligation levels (Public Law 95-85).....	-179,463	-189,663	-64,516
Uncommitted balance, end of year....	1,709,355	2,075,555	2,191,582

Budget authority:				
40.00	Appropriation.....	355,000	340,000	565,000
40.49	Portion applied to liquidate contract authority.....	-355,000	-325,000	-550,000
43.00	Appropriation (adjusted).....		15,000	15,000
Contract authority:				
69.10	Permanent (90 Stat. 872, 873).....	510,000	540,000	575,000
Relation of obligations to outlays:				
71.00	Obligations incurred, net.....	517,934	555,015	590,000
Obligated balance, start of year:				
72.40	Appropriation.....	190,574	222,339	22,354
72.49	Contract authority.....	458,101	602,022	817,022
Obligated balance, end of year:				
74.40	Appropriation.....	-222,339	-22,354	-22,354
74.49	Contract authority.....	-602,022	-817,022	-842,022
77.49	Adjustments in expired accounts.....	-7,425		
90.00	Outlays.....	334,823	540,000	565,000

Status of Unfunded Contract Authority (in thousands of dollars)			
	1977 actual	1978 est.	1979 est.
Unfunded balance, start of year.....	541,842	689,417	904,417
Contract authority.....	510,000	540,000	575,000
Unfunded adjustments in expired accounts.....	-7,425		
Appropriation to liquidate contract authority.....	-355,000	-325,000	-550,000
Unfunded balance, end of year.....	689,417	904,417	929,417

The budget schedule reflects legislation to reduce passenger ticket and waybill taxes by 2 percentage points as part of a program to assure full compliance with Federal aircraft noise abatement regulations.

GRANTS-IN-AID FOR AIRPORTS (LIQUIDATION OF CONTRACT AUTHORIZATION) (AIRPORT AND AIRWAY TRUST FUND)

For liquidation of obligations incurred for airport development under authority contained in section 14 of Public Law 91-258, as amended, to be derived from the Airport and Airway Trust Fund and to remain available until expended, **[\$325,000,000]** \$550,000,000; and for airport planning grants **[\$14,000,000]** and to State standards grants, **\$1,000,000** \$15,000,000, to be derived from the Airport and Airway Trust Fund and to remain available until expended. (49 U.S.C. 1701; Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-8106-0-7-402				
	1977 actual	1978 est.	1979 est.	
Program by activities:				
1.	Grants for planning.....	11,768	14,015	15,000
2.	Grants for construction.....	506,346	540,000	575,000
3.	Grants for State standards.....		1,000	
10.00	Total obligations (object class 41.0).....	518,114	555,015	590,000
Financing:				
17.00	Recovery of prior year obligations.....	-180		
Unobligated balance available, start of year:				
21.40	Appropriation.....	-16,446	-4,859	-4,844
21.49	Contract authority.....	-83,741	-87,394	-87,394
Unobligated balance available, end of year:				
24.40	Appropriation.....	4,859	4,844	4,844
24.49	Contract authority.....	87,394	87,394	87,394
	Budget authority.....	510,000	555,000	590,000

FACILITIES AND EQUIPMENT (AIRPORT AND AIRWAY TRUST FUND)

[(INCLUDING TRANSFER OF FUNDS)]

For necessary expenses, not otherwise provided for; for acquisition, establishment, and improvement by contract or purchase, and hire of air navigation and experimental facilities, including initial acquisition of necessary sites by lease or grant; engineering and service testing including construction of test facilities and acquisition of necessary sites by lease or grant; construction and furnishing of quarters and related accommodations for officers and employees of the Federal Aviation Administration stationed at remote localities where such accommodations are not available; **[\$200,000,000]** \$370,947,000, to be derived from the Airport and Airway Trust Fund, **together with \$9,000,000 to be derived by transfer from the appropriation "Facilities and Equipment (Airport and Airway Trust Fund), 1975", to** of which \$146,600,000 shall remain available until expended and \$224,347,000 shall remain available until September 30, **[1980]** 1983: *Provided*, That there may be credited to this appropriation funds received from States, counties, municipalities, other public authorities, and private sources, for expenses incurred in the establishment and modernization of air navigation facilities: *Provided further*, That no part of the foregoing appropriation shall be available for the construction of a new wind tunnel, or to purchase any land for or in connection with the National Aviation Facilities Experimental Center, or to decommission in excess of five flight service stations. (49 U.S.C. 1151-60, 1301 et seq., 1507, 1701; Department of Transportation and Related Agencies Appropriation Act, 1978.)

FACILITIES AND EQUIPMENT (AIRPORT AND AIRWAY TRUST FUND)—Continued			
Program and Financing (in thousands of dollars)			
Identification code 69-8107-0-7-402	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. Air route traffic control centers.....	50,437	69,343	33,122
2. Airport traffic control towers.....	80,276	55,878	95,896
3. Flight service facilities.....	14,478	20,364	16,071
4. Air navigation facilities.....	31,652	45,917	49,025
5. Housing, utilities, and miscellaneous facilities.....	16,646	10,700	17,136
6. Aircraft and related equipment.....	5,914	3,230	7,450
7. Development, test, and evaluation facilities.....	2,508	9,568	1,300
Total direct program.....	201,911	215,000	220,000
Reimbursable program:			
1. Air route traffic control facilities.....	288	641	602
2. Airport traffic control facilities.....	3,063	11,722	11,005
4. Air navigation facilities.....	598	616	579
5. Housing, utilities, and miscellaneous facilities.....	99	121	114
Total reimbursable program.....	4,048	13,100	12,300
10.00 Total obligations.....	205,959	228,100	232,300
Financing:			
Offsetting collections from:			
11.00 Federal funds.....	-2,973	-10,252	-9,626
14.00 Non-Federal sources.....	-1,075	-2,848	-2,674
21.40 Unobligated balance available, start of year.....	-287,095	-275,497	-269,497
24.40 Unobligated balance available, end of year.....	275,497	269,497	420,444
25.40 Unobligated balance lapsing.....	9,687		
Budget authority.....	200,000	209,000	370,947
Budget authority:			
40.00 Appropriation.....	200,000	200,000	370,947
50.00 Reappropriation.....		9,000	
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	201,911	215,000	220,000
72.40 Obligated balance, start of year.....	247,428	252,078	267,078
74.40 Obligated balance, end of year.....	-252,078	-267,078	-287,078
77.40 Adjustments in expired accounts.....	-151		
90.00 Outlays.....	197,109	200,000	200,000

Under this appropriation, the Federal airway system is improved by the installation of new equipment and the construction and modernization of facilities to keep pace with aeronautical activity. The appropriation also finances major capital investments required by other agency programs such as aircraft for facility flight inspection and training, and experimental facilities for the engineering and development program. The 1979 estimates will carry forward the program to increase the capacity of the airway system and make its operation safer and more efficient, sufficient to accommodate expected price escalation.

Full funding in the amount of \$174.5 million (which includes funds appropriated in 1977 and funds requested in 1979) is provided for a program to automate, streamline, and modernize the flight service station system. Anticipated escalation is included in the funding level allocated to this program. This appropriation also continues the funding required to implement a major program to replace tube-type, very high frequency radio range systems with solid-state equipment. Operating costs of facilities procured under this appropriation are financed under the Operations appropriation. The budget activities include the following facilities and functions:

1. *Air route traffic control centers.*—(a) Long range radar provides FAA air traffic controllers with information on aircraft positions, at distances up to 185 miles, (b) automation equipment includes computers and other devices which aid controllers in handling en route air traffic, (c) other center facilities cover the installation of equipment to provide communications and related services.

2. *Airport traffic control towers.*—(a) Terminal area radar aids traffic control in the vicinity of airports by displaying aircraft positions at distances up to 60 miles, (b) terminal area automation includes computers and other devices which aid controllers in handling terminal air traffic, (c) other tower facilities include the establishment, improvement, and relocation of airport traffic control tower facilities.

3. *Flight service facilities.*—(a) Domestic flight service stations and associated facilities provide flight assistance service to pilots, (b) international flight service stations provide long-distance communications for transoceanic flights.

4. *Air navigation facilities.*—(a) Very high frequency omnidirectional radio ranges equipped with tactical air navigation capabilities (VORTAC) are standard short-range navigation aids used to define airways and air routes and to provide distance and direction information to pilots, (b) low and medium frequency facilities include radio beacons and ranges which provide pilots with direction and weather information, (c) instrument landing systems which provide pilots with direction, distance, and glide slope information necessary for making safe approaches to runways under poor visibility conditions, distance measuring equipment, and visual lighting aids which will assist pilots in making final approaches to airport runways, particularly in areas where terrain and other environmental factors pose potential hazards to safe landings.

5. *Housing, utilities, and miscellaneous facilities.*—This activity includes general facility support requirements which apply to a wide range of FAA installations.

6. *Aircraft and related equipment.*—This activity provides for facility flight inspection, including procurement of aircraft and avionics equipment to inspect the accuracy and other characteristics of navigation and traffic control aids from the air and flight inspection training equipment. It also includes the replacement of obsolete aircraft used in the engineering and development program.

7. *Development, test, and evaluation facilities.*—This activity provides for leasing and improvement of plant and facilities at the National Aviation Facilities Experimental Center in Atlantic City, N.J. It also includes the procurement, rehabilitation, or replacement of equipment for use in the engineering and development program.

Object Classification (in thousands of dollars)			
Identification code 69-8107-0-7-402	1977 actual	1978 est.	1979 est.
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	24,542	27,720	27,270
11.3 Positions other than permanent.....	419	417	420
11.5 Other personnel compensation.....	1,460	1,646	1,666
Total personnel compensation.....	26,421	29,783	29,356
12.1 Personnel benefits: Civilian.....	2,922	3,294	3,247
21.0 Travel and transportation of persons..	6,095	5,679	5,915
22.0 Transportation of things.....	1,562	1,026	1,070
23.2 Communications, utilities, and other rent.....	582	427	441
24.0 Printing and reproduction.....	166	177	182
25.0 Other services.....	28,251	30,488	31,852
26.0 Supplies and materials.....	9,366	10,108	10,560
31.0 Equipment.....	98,189	105,966	110,705
32.0 Lands and structures.....	28,352	28,052	26,672

42.0	Insurance claims and indemnities.....	5	-----	-----
	Total direct obligations.....	201,911	215,000	220,000
	Reimbursable obligations:			
	Personnel compensation:			
11.1	Permanent positions.....	761	1,055	1,064
11.5	Other personnel compensation.....	69	27	28
	Total personnel compensation.....	830	1,082	1,092
12.1	Personnel benefits: Civilian.....	50	119	120
21.0	Travel and transportation of persons...	190	104	104
22.0	Transportation of things.....	18	23	23
23.2	Communications, utilities, and other rent.....	10	36	36
	Printing and reproduction.....	4	2	2
24.0	Other services.....	552	3,814	3,492
25.0	Supplies and materials.....	129	98	98
26.0	Equipment.....	1,974	7,188	6,699
31.0	Lands and structures.....	291	634	634
	Total reimbursable obligations.....	4,048	13,100	12,300
99.0	Total obligations.....	205,959	228,100	232,300

Personnel Summary

Direct:				
	Total number of permanent positions.....	1,492	1,413	1,363
	Full-time equivalent of other positions.....	19	21	21
	Average paid employment.....	1,370	1,349	1,312
	Average GS grade.....	10.14	10.27	10.32
	Average GS salary.....	\$19,115	\$21,277	\$21,681
	Average salary of ungraded positions.....	\$16,732	\$18,598	\$18,787
Reimbursable:				
	Total number of permanent positions.....	60	60	60
	Full-time equivalent of other positions.....	0	0	0
	Average paid employment.....	49	54	54
	Average GS grade.....	10.52	10.61	10.61
	Average GS salary.....	\$14,927	\$19,579	\$19,900

RESEARCH, ENGINEERING AND DEVELOPMENT (AIRPORT AND AIRWAY TRUST FUND)

For necessary expenses, not otherwise provided for, for research, engineering and development in accordance with the provisions of the Federal Aviation Act (49 U.S.C. 1301-1542), including construction of experimental facilities and acquisition of necessary sites by lease or grant; [\$80,800,000] \$75,375,000, to be derived from the Airport and Airway Trust Fund, to remain available until expended: *Provided*, That there may be credited to this appropriation funds received from States, counties, municipalities, other public authorities, and private sources, for expenses incurred for research, engineering and development. (49 U.S.C. 1301 et seq., 1701; Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-8108-0-7-402	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. Air traffic control.....	51,330	62,936	58,949
2. Navigation.....	11,617	16,093	11,097
3. Aviation weather.....	4,760	6,575	4,527
4. Aviation medicine.....	1,133	1,382	800
Total direct program.....	68,840	86,986	75,373
Reimbursable program:			
1. Air traffic control.....	86	900	900
2. Navigation.....	200	100	200
3. Aviation weather.....	4	-----	-----
Total reimbursable program...	290	1,000	1,100
10.00 Total obligations.....	69,130	87,986	76,473
Financing:			
Offsetting collections from:			
11.00 Federal funds.....	-200	-750	-800
14.00 Non-Federal sources.....	-90	-250	-300
21.40 Unobligated balance available, start of year.....	-676	-6,186	-----

24.40	Unobligated balance available, end of year.....	6,186	-----	-----
40.00	Budget authority (appropriation).....	74,350	80,800	75,373
Relation of obligations to outlays:				
71.00	Obligations incurred, net.....	68,840	86,986	75,373
72.40	Obligated balance, start of year.....	17,890	16,243	24,229
74.40	Obligated balance, end of year.....	-16,243	-24,229	-21,602
90.00	Outlays.....	70,487	79,000	78,000

The FAA conducts engineering and development programs to improve the national air traffic control system and to increase progressively its productivity and capacity to meet the expected air traffic demands of the future. These efforts are based upon exploiting current technology and applying system engineering techniques to the development and integration of new equipment into the total system. The agency also administers aviation medical research aimed at increasing the personal effectiveness of traffic controllers.

These programs are conducted under the direction of the agency's technical personnel, through contracts with qualified private firms, universities, individuals and other Government agencies.

1. *Air traffic control.*—This provides for improving the airway system by applying existing technology to air traffic control problems to keep the current system operating safely and by making system improvements to increase the productivity and capacity of the current system. These improvements include the surveillance of aircraft by tracking radars and control center processing of flight information received from pilots, airline dispatchers, flight service stations and the surveillance system through a national communications network. The high-speed or real-time, computerized processing of this data for the direct use of air traffic controllers is a key to increasing system productivity. This traffic control program also provides for increasing the capacity of major airports to handle larger, faster passenger aircraft safely and efficiently. Increases in airport capacity will be achieved by the development of new procedures and equipment/computer programs which will enable more efficient metering and spacing of terminal traffic under all weather conditions.

This program also includes activities designed to insure that the air traffic control system will satisfy the demands of the 1990's, particularly those affecting the interface between pilots and traffic controllers. This work includes developing new traffic control concepts; assessing their technical, economic, and operational feasibility and conducting selected feasibility demonstrations.

2. *Navigation.*—This provides for modernization, expansion, and improvement of the common navigation system facilities in the United States and in overseas areas where international agreements require U.S. participation. This capability ranks in importance with the radar surveillance of aircraft in the effort to increase system capacity. It requires the exploitation of all available and planned techniques, as well as the development of new navigation techniques and sophisticated landing systems capable of handling increased air traffic in adverse weather conditions.

3. *Aviation weather.*—This provides for a program, coordinated with the Departments of Defense and Commerce, to modernize the acquisition, processing, dissemination, and display of weather information tailored to the needs of aviation users. Development of systems for the detection and avoidance of wind shears is also included in this activity.

RESEARCH, ENGINEERING AND DEVELOPMENT (AIRPORT AND AIRWAY TRUST FUND)—Continued

4. *Aviation medicine*.—This provides for conducting aeromedical research directed toward identifying and eliminating those physiological and psychological factors inimical to personnel engaged in operating the traffic control system.

Object Classification (in thousands of dollars)			
Identification code 69-8108-0-7-402	1977 actual	1978 est.	1979 est.
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	20,508	22,593	22,095
11.3 Positions other than permanent.....	858	1,630	1,511
11.5 Other personnel compensation.....	381	493	490
11.8 Special personal services payments.....	130	151	151
Total personnel compensation.....	21,877	24,867	24,247
12.1 Personnel benefits: Civilian.....	2,105	2,438	2,368
21.0 Travel and transportation of persons.....	869	1,196	1,248
22.0 Transportation of things.....	115	92	136
23.2 Communications, utilities, and other rent.....	521	396	401
24.0 Printing and reproduction.....	11	40	42
25.0 Other services.....	37,117	55,753	44,828
26.0 Supplies and materials.....	1,248	2,019	1,817
31.0 Equipment.....	4,963	185	286
32.0 Lands and structures.....	14	-----	-----
Total direct obligations.....	68,840	86,986	75,373
Reimbursable obligations:			
11.3 Personnel compensation: Positions other than permanent.....	47	67	67
12.1 Personnel benefits: Civilian.....	2	7	7
25.0 Other services.....	209	917	1,017
26.0 Supplies and materials.....	32	9	9
Total reimbursable obligations.....	290	1,000	1,100
99.0 Total obligations.....	69,130	87,986	76,473

Personnel Summary			
Direct:			
Total number of permanent positions.....	945	865	845
Full-time equivalent of other positions.....	79	119	120
Average paid employment.....	1,000	974	922
Average GS grade.....	11.24	11.47	11.54
Average GS salary.....	\$24,522	\$27,261	\$27,350
Average salary of ungraded positions.....	\$16,277	\$17,960	\$18,016
Reimbursable:			
Total number of permanent positions.....	0	0	0
Full-time equivalent of other positions.....	0	0	0
Average paid employment.....	3	3	3

OPERATIONS (AIRPORT AND AIRWAY TRUST FUND)

Program and Financing (in thousands of dollars)			
Identification code 69-8104-0-7-402	1977 actual	1978 est.	1979 est.
Program by activities:			
10.00 Payment to Operations (Federal appropriation (costs—obligations) (object class 25.0).....	250,000	275,000	300,000
Financing:			
40.00 Budget authority (appropriation)....	250,000	275,000	300,000
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	250,000	275,000	300,000
72.40 Obligated balance, start of year.....	—210	—193	-----
74.40 Obligated balance, end of year.....	193	-----	-----
77.40 Adjustments in expired accounts.....	262	-----	-----
90.00 Outlays.....	250,245	274,807	300,000

Certain costs of maintaining air navigation facilities, formerly 100% financed from the general fund, are to be reimbursed to the Operations appropriation from the Airport and airway trust fund. The programs funded are

limited to the direct costs of flight checking and maintaining air navigation facilities. The expected level of 1979 trust fund receipts will permit payment of these costs as well as the costs of airport development, airway facilities investment, and research programs without drawing on accumulated prior year balances.

AIRCRAFT LOAN GUARANTEE PROGRAM

Pursuant to Public Law 85-207 as amended, the Secretary of Transportation was authorized to make aircraft loan guarantees to certified local service airlines for the purchase of new aircraft.

NEW COMMITMENTS FOR AIRCRAFT LOAN GUARANTEE PROGRAM
(In millions of dollars)

Year:	Commitments
1972.....	3
1973.....	12
1974.....	24
1975.....	0
1976.....	112
1977.....	102
1978.....	0
1979.....	0

The statute for this program expired on September 7, 1977.

FEDERAL HIGHWAY ADMINISTRATION*

*See "Legislative Program" (end of this chapter) for additional information.

Title 23 U.S.C. ("Highways") and other supporting legislation provide authority for the various programs of the Federal Highway Administration designed to improve highways throughout the Nation.

In summary, the 1979 budget contemplates \$8,064 million in obligations and \$7,565 million in outlays. The following table compares 1979 program level (obligations) with those of prior years (in millions of dollars). The "1979 legislation" column reflects program level inherent in the 1979 highway and transit authorization bill which is being submitted to the Congress. That bill provides for consolidation of many of the current narrow, program categories into fewer and broader categories. If enacted as proposed, the figures shown in the "1979 legislation" column would supersede those in the "1979 estimate" column. The budget schedules to achieve this change are presented at the end of the Department of Transportation schedules (pages 714-716).

Account:	(In millions of dollars)			
	1977 actual	1978 estimate	1979 estimate	1979 legislation
Federal-aid highways.....	6965.0	7,578.8	7,578.8	7,800.0
Motor carrier safety.....	7.3	8.4	13.4	13.4
Highway beautification.....	29.4	25.2	23.2	(²)
Darien Gap highway.....	.5	21.3	20.0	20.0
Territorial highways.....	5.6	5.6	5.6	(²)
Railroad-highway crossing—demonstration projects.....	7.9	36.4	11.4	11.4
Off-system roads programs.....	108.6	253.0	100.0	100.0
National scenic and recreational highway.....	24.1	50.0	50.0	50.0
Alaska Highway.....	7.7	12.1	-----	-----
Access highways to lakes.....	1.4	11.0	10.4	10.4
Highways crossing Federal projects.....	49.5	20.5	16.0	16.0
Highway-related safety grants.....	21.0	28.0	28.0	(²)
Baltimore-Washington Parkway.....	-----	-----	2.1	2.1
Demonstration projects—trust fund.....	12.7	34.6	-----	-----
Highway safety research and development.....	11.0	9.2	9.0	9.0
Overseas highway.....	5.7	24.0	17.0	17.0
Right-of-way revolving fund.....	—24.2	24.9	-----	-----
Miscellaneous appropriations.....	16.4	26.8	14.9	14.9
Total program level.....	72494.6	8,169.7	7,899.7	8,064.2

¹ Includes a \$20.0 million supplemental request.
² Incorporated in Federal-aid highways.

Federal Funds

General and special funds:

MOTOR CARRIER SAFETY

For necessary expenses to carry out motor carrier safety functions of the Secretary, as authorized by the Department of Transportation Act (80 Stat. 939-40), **[\$8,000,000: Provided, That not to exceed \$630,000] \$13,351,000 of which \$5,000,000 of the amount appropriated herein shall remain available until expended and not to exceed \$987,000] \$1,090,000 shall be available for "Limitation on general operating expenses". (Department of Transportation and Related Agencies Appropriation Act, 1978.)**

Program and Financing (in thousands of dollars)

Identification code 69-0552-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Operations.....	5,763	5,833	7,381
2. Research and development.....	556	943	815
3. Demonstration program.....			3,000
4. Administration.....	799	987	1,090
Total program costs, funded....	7,118	7,763	12,286
Change in selected resources (undelivered orders).....	149	609	1,065
10.00 Total obligations.....	7,268	8,372	13,351
Financing:			
21.40 Unobligated balance available, start of year.....	-241	-2	
24.40 Unobligated balance available, end of year.....	2		
25.40 Unobligated balance lapsing.....	183		
Budget authority.....	7,212	8,370	13,351
Budget authority:			
40.00 Appropriation.....	7,212	8,000	13,351
44.20 Supplemental now requested for civilian pay raises.....		370	
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	7,268	8,372	13,351
72.40 Obligated balance, start of year.....	825	1,042	1,652
74.40 Obligated balance, end of year.....	-1,042	-1,652	-2,717
77.40 Adjustments in expired accounts.....	25		
90.00 Outlays, excluding pay raise supplemental.....	7,076	7,415	12,264
91.20 Outlays from civilian pay raise supplemental.....		348	22

The motor carrier safety mission, in accordance with the Department of Transportation Act, the Interstate Commerce Act, and the Explosives and Dangerous Articles Act, is to reduce the risk of accidents in truck and bus highway safety transportation by regulation of motor carriers engaged in interstate commerce. In 1979, efforts will be made to fully implement the revised hazardous materials regulatory program, increase noise control, and provide knowledge to improve safety regulation of interstate trucks and buses, consistent with the Government-wide effort of regulatory reform. A new \$4 million motor carrier safety demonstration program is proposed for 1979. This program will provide assistance to selected States for upgrading their enforcement efforts. Increases are also proposed for research and development, and for additional Federal enforcement action through the hiring of 26 additional personnel.

Object Classification (in thousands of dollars)

Identification code 69-0552-0-1-401	1977 actual	1978 est.	1979 est.
Personnel compensation:			
11.1 Permanent positions.....	4,609	5,228	5,618
11.3 Positions other than permanent.....	51	51	51
11.5 Other personnel compensation.....	10	10	10
Total personnel compensation....	4,670	5,289	5,679

12.1 Personnel benefits: Civilian.....	467	461	504
21.0 Travel and transportation of persons.....	547	669	734
22.0 Transportation of things.....	1	3	3
23.2 Communications, utilities, and other rent.....	20	39	41
25.0 Other services.....	1,496	1,857	6,328
26.0 Supplies and materials.....	25	29	31
31.0 Equipment.....	42	25	31
99.0 Total obligations.....	7,268	8,372	13,351

Personnel Summary

Total number of permanent positions.....	234	241	267
Full-time equivalent of other positions.....	4	4	4
Average paid employment.....	224	241	267
Average GS grade.....	10.55	10.53	10.46
Average GS salary.....	\$20,606	\$21,369	\$22,801

HIGHWAY BEAUTIFICATION*

*See "Legislative Program" (end of this chapter) for additional information.

For necessary expenses to carry out the provisions of title 23, United States Code, sections 131 and 136, and the Federal-Aid Highway Act of 1976, section 105(a)(11), **[\$19,150,000] \$23,150,000, to remain available until expended, together with \$5,000,000] \$18,000,000, for payment of obligations incurred in carrying out the provisions of title 23, United States Code, sections 131, 136, and 319(b), to remain available until expended. (Department of Transportation and Related Agencies Appropriation Act, 1978; additional authorizing legislation to be proposed for \$12,200 thousand.)**

Program and Financing (in thousands of dollars)

Identification code 69-0540-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Construction.....	32,860	39,350	32,500
2. Administration.....	1,085	1,150	1,200
Total program costs, funded....	33,945	40,500	33,700
Change in selected resources (undelivered orders).....	-4,556	-15,254	-10,550
10.00 Total obligations.....	29,389	25,246	23,150
Financing:			
Unobligated balance available, start of year:			
21.40 Appropriation.....		-2,053	
21.49 Contract authority.....	-7,485	-4,042	
Unobligated balance available, end of year:			
24.40 Appropriation.....	2,053		
24.49 Contract authority.....	4,042		
Budget authority.....	28,000	19,150	23,150
Budget authority:			
40.00 Appropriation.....	61,600	24,150	41,150
40.49 Portion applied to liquidate contract authority.....	-33,600	-5,000	-18,000
43.00 Appropriation (adjusted).....	28,000	19,150	23,150
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	29,389	25,246	23,150
Obligated balance, start of year:			
72.40 Appropriation.....	18,160	43,761	29,465
72.49 Contract authority.....	74,516	44,359	43,400
Obligated balance, end of year:			
74.40 Appropriation.....	-43,761	-29,465	-36,915
74.49 Contract authority.....	-44,359	-43,400	-25,400
90.00 Outlays.....	33,945	40,500	33,700

Status of Unfunded Contract Authority (in thousands of dollars)

Unfunded balance, start of year.....	82,000	48,400	43,400
Appropriation to liquidate contract authority..	-33,600	-5,000	-18,000
Unfunded balance, end of year.....	48,400	43,400	25,400

General and special funds—Continued

HIGHWAY BEAUTIFICATION—Continued

This appropriation provides grant assistance for projects initiated pursuant to the provisions of the Highway Beautification Act of 1965, together with the Federal-Aid Highway Acts of 1968 and 1970, as amended. Activities funded include junkyard screening and removal, control of commercial advertising along highways, and program administration.

The Federal-Aid Highway Act of 1976 removed landscaping and scenic enhancement from funding under this account. Instead, this activity is eligible for funding as part of the construction of Federal-aid highways. Obligations will be incurred for landscaping and scenic enhancement within this account only to the extent that unobligated balances are available from prior year appropriations.

As proposed in the new highway and transit legislation, this program will be incorporated in "Federal-aid highways."

Object Classification (in thousands of dollars)

Identification code 69-0540-0-1-401	1977 actual	1978 est.	1979 est.
25.0 Other services.....	1,085	1,150	1,200
41.0 Grants, subsidies, and contributions.....	28,304	24,096	21,950
99.0 Total obligations.....	29,389	25,246	23,150

DARIEN GAP HIGHWAY*

*See Part III for additional information.

For necessary expenses for construction of the Darien Gap Highway in accordance with the provisions of section 216 of title 23 of the United States Code, \$20,000,000, including the purchase of not to exceed two passenger motor vehicles, to remain available until expended.

Program and Financing (in thousands of dollars)

Identification code 69-0553-0-1-151	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Design and construction.....	7,364	4,838	6,862
2. Administration.....	459	732	738
Total program costs, funded.....	7,823	5,570	7,600
Change in selected resources (undelivered orders).....	-7,364	-4,297	12,400
10.00 Total obligations.....	459	1,273	20,000
Financing:			
21.40 Unobligated balance available, start of year.....	-6,499	-1,273	-----
23.40 Unobligated balance transferred to other accounts.....	4,767	-----	-----
24.40 Unobligated balance available, end of year.....	1,273	-----	-----
40.00 Budget authority (appropriation).....	-----	-----	20,000
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	459	1,273	20,000
72.40 Obligated balance, start of year.....	19,304	11,829	7,532
74.40 Obligated balance, end of year.....	-11,829	-7,532	-19,932
90.00 Outlays.....	7,934	5,570	7,600

The United States, in cooperation with the Republic of Panama and the Government of Colombia, is participating in the construction of approximately 250 miles of

highway through the Darien Gap—an incomplete link in the Inter-American Highway.

The temporary court injunction of September 1976, dealing with the evaluation of environmental issues, was appealed, and the court ruled that the Federal Highway Administration may seek further appropriations for this program.

An appropriation of \$20 million is requested for 1979 to fund two projects in Panama. This funding will permit completion of construction south of the Rio Conglon. No funding will be requested south of that point until and unless foot-and-mouth disease is brought under control in Colombia.

Object Classification (in thousands of dollars)

Identification code 69-0553-0-1-151	1977 actual	1978 est.	1979 est.
Personnel compensation:			
11.1 Permanent positions.....	300	457	466
11.3 Positions other than permanent.....	4	7	7
11.5 Other personnel compensation.....	5	7	7
Total personnel compensation.....	309	471	480
12.1 Personnel benefits.....	47	106	74
13.0 Benefits for former personnel.....	1	-----	-----
21.0 Travel and transportation of persons.....	15	40	43
22.0 Transportation of things.....	-----	37	36
23.2 Communications, utilities, and other rent.....	28	29	31
25.0 Other services.....	54	69	73
26.0 Supplies and materials.....	4	7	8
31.0 Equipment.....	1	10	23
32.0 Lands and structures.....	-----	504	19,232
42.0 Insurance claims and indemnities.....	1	-----	-----
99.0 Total obligations.....	459	1,273	20,000

Personnel Summary

Total number of permanent positions.....	25	25	25
Full-time equivalent of other positions.....	1	1	1
Average paid employment.....	17	20	20
Average GS grade.....	10.82	10.82	10.82
Average GS salary.....	\$22,443	\$24,363	\$24,534

TERRITORIAL HIGHWAYS*

*See "Legislative Program" (end of this chapter) for additional information.

For necessary expenses in carrying out the provisions of title 23, United States Code, sections 152, 153, 215, and 402, \$5,600,000, to remain available until expended, together with \$290,000, \$5,600,000 for payment of obligations incurred in carrying out the provision of title 23, United States Code, sections 215, 402, and 405, to remain available until expended: *Provided*, That \$14,464,000 of contract authority made available or authorized for the Territorial highways program is hereby rescinded. (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-0556-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Territorial highways.....	5,415	2,456	6,383
2. Safety programs.....	321	734	1,907
3. Administration.....	228	210	210
Total program costs, funded.....	5,964	3,400	8,500
Change in selected resources (undelivered orders).....	-371	2,200	-2,900
10.00 Total obligations.....	5,593	5,600	5,600

Financing:			
21.49	Unobligated balance available, start of year: Contract authority.....	-20,064	-----
25.49	Unobligated balance lapsing (administrative action).....	7	-----
	Budget authority	-14,464	5,600 5,600
Budget authority:			
40.00	Appropriation.....	3,560	5,890 11,100
40.49	Portion applied to liquidate contract authority.....	-3,560	-290 -5,500
43.00	Appropriation (adjusted).....		5,600 5,600
49.11	Contract authority rescinded (91 Stat. 407).....	-14,464	-----
Relation of obligations to outlays:			
71.00	Obligations incurred, net.....	5,593	5,600 5,600
Obligated balance, start of year:			
72.40	Appropriation.....	4,153	1,750 4,240
72.49	Contract authority.....	7,929	9,962 9,672
Obligated balance, end of year:			
74.40	Appropriation.....	-1,750	-4,240 -6,840
74.49	Contract authority.....	-9,962	-9,672 -4,172
90.00	Outlays.....	5,963	3,400 8,500
Status of Unfunded Contract Authority (in thousands of dollars)			
	Unfunded balance, start of year.....	27,993	9,962 9,672
	Unobligated balance lapsing.....	-7	-----
	Unfunded balance rescinded.....	-14,464	-----
	Appropriation to liquidate contract authority.....	-3,560	-290 -5,500
	Unfunded balance, end of year.....	9,962	9,672 4,172

Grants are authorized by 23 U.S.C. 215(a) to assist the territorial governments of the Virgin Islands, Guam, and American Samoa in the improvement of their highway systems. Assistance is provided for an arterial highway system, and necessary interisland connectors, as designated by each territorial governor and approved by the Secretary of Transportation.

Under the Federal-Aid Highway Act of 1976, the territories are now also eligible for funding from the high-hazard locations, roadside obstacles, and highway-related safety grants programs. A program level of \$5,600 thousand is anticipated in 1979, the same as in 1978, for the entire territorial highways program.

As proposed in the new highway and transit legislation, this program will be incorporated in "Federal-aid highways."

Object Classification (in thousands of dollars)

Identification code 69-0556-0-1-401	1977 actual	1978 est.	1979 est.
25.0 Other services.....	228	210	210
41.0 Grants, subsidies, and contributions...	5,365	5,390	5,390
99.0 Total obligations.....	5,593	5,600	5,600

RAILROAD-HIGHWAY CROSSINGS DEMONSTRATION PROJECTS

For necessary expenses in carrying out the provisions of 23 U.S.C. 322, to remain available until expended; \$100,000: *Provided*, That the Secretary may waive the provisions of 23 U.S.C. 322 (c) and (d) if he determines such action would serve a public purpose; and for necessary expenses of railroad-highway crossings demonstration projects, as authorized by section 163 of the Federal-Aid Highway Act of 1973, as amended, and title III of the National Mass Transportation Assistance Act of 1974, to remain available until expended, \$5,000,000, of which \$3,333,333 shall be derived from the Highway Trust Fund. (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)			
Identification code 69-0557-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Railroad-highway crossings.....	4,252	8,000	13,300
2. Rail crossings.....	1,471	5,900	6,400
Total program costs, funded.....	5,723	13,900	19,700
Change in selected resources (undelivered orders).....	2,208	22,467	-8,270
10.00 Total obligations (object class 41.0).....	7,930	36,367	11,430
Financing:			
13.00 Offsetting collection from: Trust funds	-3,990	-20,794	-8,658
21.40 Unobligated balance available, start of year.....	-11,851	-16,578	-2,772
24.40 Unobligated balance available, end of year.....	16,578	2,772	-----
40.00 Budget authority (appropriation).....	8,667	1,767	-----
Distribution of budget authority by account:			
Railroad-highway crossings.....	8,667	1,667	-----
Rail crossings.....		100	-----
Distribution of obligations by account:			
Railroad-highway crossings.....	423	8,000	2,772
Rail crossings.....	3,517	7,573	-----
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	3,940	15,573	2,772
72.40 Obligated balance, start of year.....	5,300	6,399	16,372
74.40 Obligated balance, end of year.....	-6,399	-16,372	-11,944
90.00 Outlays.....	2,841	5,600	7,200
Distribution of outlays by account:			
Railroad-highway crossings.....	1,061	1,700	2,800
Rail crossings.....	1,780	3,900	4,400

The Federal-Aid Highway Act of 1970, and the Federal-Aid Highway Act of 1973, as amended, authorized select projects for the purpose of protecting, eliminating, relocating, or otherwise modifying ground-level rail-highway crossings.

1. *Railroad-highway crossings.*—This program provides for demonstration projects in 19 cities. The planned program levels in 1978 and 1979 will utilize all unobligated balances of appropriated funds and will allow for completion of preliminary engineering on most projects as well as some right-of-way acquisition and construction.

2. *Rail crossings.*—This program provides for demonstration projects along the route of the Northeast corridor rail line between Washington, D.C., and Boston, Mass., and in and around Greenwood, S.C. 1979 funding required for this program will be provided under the Northeast corridor improvement program administered by the Federal Railroad Administration.

NATIONAL SCENIC AND RECREATIONAL HIGHWAY (LIQUIDATION OF CONTRACT AUTHORIZATION)

For payment of obligations incurred in carrying out the provisions of 23 U.S.C. 148, to remain available until expended, \$10,000,000; \$19,000,000, of which \$7,300,000 shall be derived from the Highway Trust Fund. (Department of Transportation and Related Agencies Appropriation Act, 1978.)

General and special funds—Continued

NATIONAL SCENIC AND RECREATIONAL HIGHWAY (LIQUIDATION OF CONTRACT AUTHORIZATION)—Continued

Program and Financing (in thousands of dollars)

Identification code 69-0544-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
National Scenic and Recreational Highway (program costs, funded).....	8,130	17,000	30,500
Change in selected resources (undelivered orders).....	16,000	33,000	19,500
10.00 Total obligations (object class 41.0).....	24,130	50,000	50,000
Financing:			
13.00 Offsetting collections from: Trust funds.....	-12,968	-31,286	-50,000
21.49 Unobligated balance available, start of year: Contract authority.....	-29,877	-18,714	
24.49 Unobligated balance available, end of year: Contract authority.....	18,714		
Budget authority			
Budget authority:			
40.00 Appropriation.....	8,200	2,700	6,000
40.49 Portion applied to liquidate contract authority.....	-8,200	-2,700	-6,000
43.00 Appropriation (adjusted).....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	11,162	18,714	
Obligated balance, start of year:			
72.40 Appropriation.....		6,294	2,994
72.49 Contract authority.....	123	3,086	19,100
Obligated balance, end of year:			
74.40 Appropriation.....	-6,294	-2,994	-1,294
74.49 Contract authority.....	-3,086	-19,100	-13,100
90.00 Outlays.....	1,906	6,000	7,700
Status of Unfunded Contract Authority (in thousands of dollars)			
Unfunded balance, start of year.....	30,000	21,800	19,100
Appropriation to liquidate contract authority.....	-8,200	-2,700	-6,000
Unfunded balance, end of year.....	21,800	19,100	13,100

The Federal-Aid Highway Act of 1973 authorized the construction and reconstruction of the Great River Road by the 10 States bordering the Mississippi River. A single continuous two-lane route has been tentatively designated which will run from Lake Itasca, Minn., to Venice, La. Program levels for 1978 and 1979 will focus on preliminary engineering, environmental studies, roadside rest areas, acquisition of areas of archeological, scientific, or historical importance, and necessary easements for scenic purposes.

ALASKA HIGHWAY

Program and Financing (in thousands of dollars)

Identification code 69-0537-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Alaska Highway.....	25	5,320	5,700
2. Administration.....	27	180	
Total program costs, funded.....			
	52	5,500	5,700
Change in selected resources (undelivered orders).....			
	7,650	6,623	-5,700
10.00 Total obligations.....	7,702	12,123	

Financing:			
21.40 Unobligated balance available, start of year.....	-4,825	-12,123	
24.40 Unobligated balance available, end of year.....	12,123		
40.00 Budget authority (appropriation).....	15,000		
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	7,702	12,123	
72.40 Obligated balance, start of year.....		7,668	14,291
74.40 Obligated balance, end of year.....	-7,668	-14,291	-8,591
90.00 Outlays.....	34	5,500	5,700

The 1973 Federal-Aid Highway Act authorized \$58.67 million for the reconstruction of the Alaska Highway from the Alaskan border to the Haines Junction, Canada, and the Haines Cutoff Highway from Haines Junction to the south Alaskan border. Total program costs are now estimated to be about \$180 million. Because benefits from this program primarily accrue to only one State, Alaska, no additional Federal funding is requested for 1979.

Object Classification (in thousands of dollars)

Identification code 69-0537-0-1-401	1977 actual	1978 est.	1979 est.
21.0 Travel and transportation of persons.....	22	72	
25.0 Other services.....	23	108	
32.0 Lands and structures.....	7,657	11,943	
99.0 Total obligations.....	7,702	12,123	

OFF-SYSTEM ROADS [(LIQUIDATION OF CONTRACT AUTHORIZATION)] PROGRAMS

For payment of obligations incurred in carrying out the provisions of section 122 of Public Law 93-643; [\$45,000,000] \$34,000,000, to remain available until [expended: Provided, That not to exceed \$3,090,000 of the amount appropriated herein shall be available for "Limitation on general operating expenses"] expended.

[SAFER OFF-SYSTEM ROADS]

[For necessary expenses to carry out the provisions of 23 U.S.C. 219; \$90,000,000, to remain available until September 30, 1981.]

[OFF-SYSTEM RAILWAY-HIGHWAY CROSSINGS]

[For necessary expenses for the elimination of hazards of railway-highway crossings on roads other than those on any Federal-aid system in accordance with the provisions of section 203 of the Highway Safety Act of 1976, to remain available until September 30, 1981; \$75,000,000.] (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-0502-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Off-system roads.....	60,110	55,600	35,600
2. Safer off-system roads.....	1	25,000	70,000
3. Off-system railway-highway crossings.....	10	19,800	30,000
Total program costs, funded.....			
	60,120	100,400	135,600
Change in selected resources (undelivered orders).....			
	48,444	152,578	-35,600
10.00 Total obligations.....	108,564	252,978	100,000
Financing:			
Unobligated balance available, start of year:			
21.40 Appropriation.....		-248,011	-197,311
21.49 Contract authority.....	-118,853	-37,278	
Unobligated balance available, end of year:			
24.40 Appropriation.....	248,011	197,311	97,311

24.49	Contract authority.....	37,278	-----	-----
	Budget authority.....	275,000	165,000	-----
Budget authority:				
40.00	Appropriation.....	345,000	210,000	34,000
40.49	Portion applied to liquidate contract authority.....	-70,000	-45,000	-34,000
43.00	Appropriation (adjusted).....	275,000	165,000	-----
Distribution of budget authority by account:				
	Safer off-system roads.....	200,000	90,000	-----
	Off-system railway-highway crossings.....	75,000	75,000	-----
Distribution of outlays by account:				
	Off-system roads.....	58,046	55,600	35,600
	Safer off-system roads.....	1	25,000	70,000
	Off-system railway-highway crossings.....	10	19,800	30,000
Relation of obligations to outlays:				
71.00	Obligations incurred, net.....	108,565	252,978	100,000
	Obligated balance, start of year:			
72.40	Appropriation.....	268	39,200	199,501
72.49	Contract authority.....	68,647	80,222	72,500
	Obligated balance, end of year:			
74.40	Appropriation.....	-39,200	-199,501	-197,901
74.49	Contract authority.....	-80,222	-72,500	-38,500
90.00	Outlays.....	58,056	100,400	135,600

Status of Unfunded Contract Authority (in thousands of dollars)

Unfunded balance, start of year.....	187,500	117,500	72,500
Appropriation to liquidate contract authority.....	-70,000	-45,000	-34,000
Unfunded balance, end of year.....	117,500	72,500	38,500

The Federal-Aid Highway Amendments of 1974 and the Federal-Aid Highway Act of 1976 authorized three programs for the improvement of roads off the Federal-aid highway system.

1. *Off-system roads.*—The Federal-Aid Highway Amendments of 1974 provided \$200 million in contract authorization for construction, reconstruction, and improvement of roads not on the Federal-aid highway system. This program has been superseded by the Safer off-system roads program via section 135 of the Federal-Aid Highway Act of 1976.

2. *Safer off-system roads.*—This program, as amended, is intended to continue the Safer roads demonstration program (23 U.S.C. 405) and the Off-system program (23 U.S.C. 219), to provide Federal-aid highway funds for improvements on roads and streets off the Federal-aid system. This program is for construction, reconstruction, and improvement of any off-system road, and is to include such features as correction of safety hazards, replacement of bridges, and elimination of high-hazard locations and roadside obstacles.

3. *Off-system railway-highway crossings.*—The 1976 Highway Act authorized this program for the elimination of hazards of railroad-highway crossings on roads other than those on any Federal-aid highway system. Projects include crossing separation, relocation, and/or installation of gates or flashing lights.

As proposed in the new highway and transit bill, off-system roads construction is an eligible expense within the "Federal-aid highways" account. \$275 million has explicitly been added to the proposed "Federal-aid high-

ways" authorization total to accommodate increased State expenditures for roads not on any current Federal-aid highway system.

Object Classification (in thousands of dollars)

Identification code 69-0502-0-1-401	1977 actual	1978 est.	1979 est.
25.0 Other services.....	2,610	7,155	5,226
41.0 Grants, subsidies, and contributions.....	105,954	245,823	94,774
99.0 Total obligations.....	108,564	252,978	100,000
Distribution of obligations by account:			
Off-system roads.....	81,576	37,278	-----
Safer off-system roads.....	9,300	140,700	70,000
Off-system railway-highway crossings.....	17,689	75,000	30,000

ACCESS HIGHWAYS TO PUBLIC RECREATION AREAS ON CERTAIN LAKES

For necessary expenses not otherwise provided, to carry out the provisions of 23 U.S.C. 155, \$8,650,000, to remain available until September 30, 1980. (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-0503-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
Access highways to public recreation areas on certain lakes (program costs, funded).....	478	2,900	6,000
Change in selected resources (undelivered orders).....	918	8,100	4,360
10.00 Total obligations (object class 41.0).....	1,396	11,000	10,360
Financing:			
21.40 Unobligated balance available, start of year.....	-9,339	-12,710	-10,360
23.40 Unobligated balance transferred from other accounts.....	-4,767	-----	-----
24.40 Unobligated balance available, end of year.....	12,710	10,360	-----
40.00 Budget authority (appropriation).....	-----	8,650	-----
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	1,396	11,000	10,360
72.40 Obligated balance, start of year.....	661	1,586	9,686
74.40 Obligated balance, end of year.....	-1,586	-9,686	-14,046
90.00 Outlays.....	471	2,900	6,000

The Federal-Aid Highway Amendments of 1974 authorized a program to construct or reconstruct access highways to public recreation areas on lakes in order to accommodate present and projected traffic density.

The 1979 program level requested will fully fund the 12 projects already approved. Funds for additional projects of this nature are available in the Federal-aid highways and the Safer off-system roads program which are national in scope and available to all States on an equitable basis.

HIGHWAYS CROSSING FEDERAL PROJECTS

For necessary expenses in carrying out the provisions of 23 U.S.C. 156, \$20,000,000, \$16,000,000, to remain available until September 30, 1980. (Department of Transportation and Related Agencies Appropriation Act, 1978.)

General and special funds—Continued

HIGHWAYS CROSSING FEDERAL PROJECTS—Continued

Program and Financing (in thousands of dollars)

Identification code 69-0510-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
Highways crossing Federal projects (program costs, funded).....	2,491	23,120	17,960
Change in selected resources (undelivered orders).....	47,055	-2,666	-1,960
10.00 Total obligations (object class 41.0).....	49,546	20,454	16,000
Financing:			
21.40 Unobligated balance available, start of year.....		-454	
24.40 Unobligated balance available, end of year.....	454		
40.00 Budget authority (appropriation).....	50,000	20,000	16,000
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	49,546	20,454	16,000
72.40 Obligated balance, start of year.....		47,559	-44,894
74.40 Obligated balance, end of year.....	-47,559	-44,894	-42,934
90.00 Outlays.....	1,986	23,120	17,960

The 1976 Federal-Aid Highway Act authorized \$100 million for the construction and reconstruction of any public highway bridge across any Federal public works project where there has been a substantial change in the requirements and cost of such highway or bridge since the public works project was authorized, and where such increased costs would work an undue hardship upon any one State. All but \$14 million of the authorization will have been exhausted by the end of 1979.

MISCELLANEOUS APPROPRIATIONS

Program and Financing (in thousands of dollars)

Identification code 69-9911-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Inter-American Highway.....	1	1,811	
2. Highway-related safety grants.....	-3,631	4,597	
3. Alaskan assistance.....		217	
4. Rural highway public transportation.....	4,232	6,780	
5. Chamizal Memorial Highway.....	2	102	
6. Bikeway program.....	125	5,888	
7. Highway beautification.....	31	211	
8. Forest highways.....	113	307	
9. Public lands highways.....	169	577	
10. Salaries and expenses.....	16	988	
11. Alaska roads study.....		200	
Total program costs, funded.....	1,058	21,677	
Change in selected resources (undelivered orders).....	10,878	-10,996	
10.00 Total obligations (object class 32.0).....	11,936	10,681	
Financing:			
13.00 Offsetting collections from: Trust funds.....	-7,171	-2,480	
17.00 Recovery of prior year obligations.....	-17		
21.40 Unobligated balance available, start of year.....	-12,749	-8,201	

24.40 Unobligated balance available, end of year.....	8,201		
Budget authority.....	200		
Budget authority:			
40.00 Appropriation.....	6,700		
40.49 Portion applied to liquidate contract authority.....	-474		
40.50 Balance of appropriation to liquidate contract authority withdrawn.....	-6,026		
43.00 Appropriation (adjusted).....	200		
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	4,748	8,201	
Obligated balance, start of year:			
72.40 Appropriation.....	7,060	13,785	
72.49 Contract authority.....	474		
74.40 Obligated balance, end of year: Appropriation.....	-13,785		
77.40 Adjustments in expired accounts: Appropriation.....	-384		
90.00 Outlays.....	-1,887	21,986	
Distribution of outlays by account:			
Inter-American Highway.....	1	1,811	
Highway-related safety grants.....	-3,631	4,597	
Alaskan assistance.....		217	
Rural highway public transportation.....	756	7,089	
Chamizal Memorial Highway.....	2	102	
Bikeway program.....	112	5,888	
Highway beautification.....	380	211	
Forest highways.....	171	306	
Public lands highways.....	303	577	
Salaries and expenses.....	19	988	
Alaska roads study.....		200	

Status of Unfunded Contract Authority (in thousands of dollars)

Unfunded balance, start of year.....	474		
Appropriation to liquidate contract authority.....	-6,500		
Balance of appropriation to liquidate contract authority withdrawn.....	6,026		
Unfunded balance, end of year.....			

This account includes the Inter-American Highway, Highway-related safety grants, Alaskan assistance, Rural highway public transportation demonstration projects, Chamizal Memorial Highway, Bikeway program, Highway beautification, Forest highways, Public lands highways, Salaries and expenses, and the Alaska roads study. No appropriations are requested or anticipated for 1979 and subsequent years.

Object Classification (in thousands of dollars)

Identification code 69-9911-0-1-401	1977 actual	1978 est.	1979 est.
25.0 Other services.....			200
32.0 Lands and structures.....	8,329	8,107	
41.0 Grants, subsidies, and contributions.....	3,606	2,374	
99.0 Total obligations.....	11,936	10,681	
Distribution of obligations by account:			
Inter-American Highway.....	1	1,020	
Alaskan assistance.....	-1	217	
Rural highway public transportation.....	1,157	4,300	
Chamizal Memorial Highway.....	-16	71	
Bikeway program.....	3,606	2,394	
Alaska roads study.....		200	

Trust Funds

FEDERAL-AID HIGHWAYS (LIQUIDATION OF CONTRACT AUTHORIZATION) (TRUST FUND)*

*See "Legislative Program" (end of this chapter) for additional information.

For carrying out the provisions of title 23, United States Code, which are attributable to Federal-aid highways, not otherwise provided, including reimbursement for sums expended pursuant to the provisions of 23 U.S.C. 308, **[\$5,850,000,000] \$7,260,000,000** or so much thereof as may be available in and derived from the Highway Trust Fund, to remain available until expended. (*Department of Transportation and Related Agencies Appropriation Act, 1978.*)

Program and Financing (in thousands of dollars)

Identification code 20-8102-0-7-401	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. Interstate System.....	2,904,612	3,770,064	3,701,772
2. Rural and small urban area transportation programs.....	1,670,385	1,630,136	1,667,022
3. Urbanized area transportation programs.....	860,502	1,293,512	1,460,058
4. Construction safety programs.....	397,607	651,617	552,696
5. Administration and research.....	119,943	149,120	154,696
6. Other.....	105,884	147,715	148,139
Total direct program costs, funded.....	6,059,238	7,642,164	7,684,383
Reimbursable program:			
1. Construction.....	6,193	8,000	8,000
2. Administration.....	30,329	32,000	32,000
Total reimbursable program costs, funded.....	36,522	40,000	40,000
Total program costs, funded.....	6,095,760	7,682,164	7,724,383
Change in selected resources (undelivered others).....	950,101	-----	-----
10.00 Total obligations.....	7,045,862	7,682,164	7,724,383
Financing:			
Offsetting collections from:			
11.00 Federal funds.....	-25,615	-26,000	-26,000
13.00 Trust funds.....	-10,171	-12,300	-12,300
Non-Federal sources:			
14.00 Loan repayments.....	-----	-53,255	-103,058
Other.....	-736	-1,700	-1,700
17.00 Recovery of prior year obligations.....	-44,334	-10,074	-2,490
21.49 Unobligated balance available, start of year: Contract authority.....	-9,823,317	-6,185,115	-5,449,058
24.49 Unobligated balance available, end of year: Contract authority.....	6,185,115	5,449,058	1,495,223
25.49 Unobligated balance restored: Contract authority.....	-408	-----	-----
Budget authority.....	3,326,396	6,842,778	3,625,000
Budget authority:			
Current:			
40.00 Appropriation.....	6,528,100	5,850,000	7,250,000
40.49 Portion applied to liquidate contract authority.....	-6,528,100	-5,850,000	-7,250,000
43.00 Appropriation (adjusted).....	-----	-----	-----
49.10 Reduction in contract authority under sec. 110, Public Law 94-280.....	-211,843	-----	-----
Permanent:			
69.10 Contract authority (Public Laws 93-87, 93-643, 94-280).....	3,538,239	6,842,778	3,625,000

Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	6,965,006	7,578,835	7,578,835
Obligated balance, start of year:			
72.40 Appropriation.....	144,581	699,735	-----
72.49 Contract authority.....	8,845,087	9,281,993	11,010,828
Obligated balance, end of year:			
74.40 Appropriation.....	-699,735	-----	-70,000
74.49 Contract authority.....	-9,281,993	-11,010,828	-11,339,663
90.00 Outlays.....	5,972,946	6,549,735	7,180,000

Status of Unfunded Contract Authority (in thousands of dollars)

Unfunded balance, start of year.....	18,668,404	15,467,108	16,459,886
Contract authority.....	3,538,239	6,842,778	3,625,000
Contract authority (legislative program).....	-----	-----	4,175,000
Reduction in contract authority under sec. 110, Public Law 94-280.....	-211,843	-----	-----
Unfunded balance restored.....	408	-----	-----
Transfer from Highway trust fund to liquidate contract authority.....	-6,528,100	-5,850,000	-7,250,000
Unfunded balance, end of year.....	15,467,108	16,459,886	17,009,886

Financial assistance is made available to States for construction and improvements on the National System of Interstate and Defense Highways and for urban and rural transportation programs. The Federal Government pays 90% of the costs for interstate projects and 70% of the costs of most other Federal aid projects. The Federal share of project costs is increased in those States with large areas of public domain.

1. *Interstate System.*—As of September 30, 1977, 38,674 miles of the 42,500-mile system were open to traffic. At State and local option, authorizations for nonessential segments deleted from the system may be utilized for improvements on bus and rail transportation systems or on other highway systems.

2. *Rural and small urban area transportation programs.*—Provides financial assistance to States for highway construction, reconstruction, and related planning and research on the primary, secondary, and urban systems in rural and small urban areas (with populations of 50,000 or less). Assistance is also provided for forest and public lands highways.

3. *Urbanized area transportation programs.*—Provides financial assistance to States for highway construction, reconstruction, and related planning and research on the urban system in urbanized areas (with populations of more than 50,000). Financial assistance may also be utilized for bus and other mass transportation related facilities.

4. *Construction safety programs.*—Provides financial assistance to States for safety improvements to the highway systems. Programs that may be pursued at State and local option are projects for high hazard locations, elimination of roadside obstacles, rail-highway crossings, bridge reconstruction and replacement, and pavement marking demonstrations.

5. *Administration and research.*—Provides for executive and general administrative and research expenses of Federal-aid highways. These funds are expended under the Limitation on general operating expenses.

6. *Other.*—Provides for emergency relief and bridges over Federal dams.

As proposed in the new highway and transit bill, Federal-aid highways funding will be increased, categorical restrictions will be reduced, and program eligibility will be broadened. Refer to page 715 for a brief description of the reconfigured account.

FEDERAL-AID HIGHWAYS (LIQUIDATION OF CONTRACT AUTHORIZATION) (TRUST FUND)—Continued

Object Classification (in thousands of dollars)

Identification code 20-8102-0-7-401	1977 actual	1978 est.	1979 est.
FEDERAL HIGHWAY ADMINISTRATION			
Personnel compensation:			
11.1 Permanent positions.....	8,453	9,329	9,388
11.3 Positions other than permanent.....	779	924	940
11.5 Other personnel compensation.....	316	333	350
Total personnel compensation.....	9,548	10,586	10,678
Direct obligations:			
12.1 Personnel compensation.....	3,006	3,220	3,279
21.0 Personnel benefits: Civilian.....	272	283	288
21.0 Travel and transportation of persons.....	1,054	1,115	1,180
22.0 Transportation of things.....	239	250	265
23.2 Communications, utilities, and other rent.....	154	165	175
24.0 Printing and reproduction.....	30	32	34
25.0 Other services.....	16,185	14,800	15,650
26.0 Supplies and materials.....	33	35	37
31.0 Equipment.....	2	2	2
32.0 Lands and structures.....	36,070	37,000	38,000
41.0 Grants, subsidies, and contributions.....	6,764,102	7,391,642	7,413,528
93.0 Limitation on general operating expenses (see separate schedule).....	138,929	149,120	154,696
Total direct obligations.....	6,960,076	7,597,664	7,627,133
Reimbursable obligations:			
12.1 Personnel compensation.....	6,542	7,366	7,399
21.0 Personnel benefits: Civilian.....	554	625	627
21.0 Travel and transportation of persons.....	330	350	371
22.0 Transportation of things.....	16	17	18
23.2 Communications, utilities, and other rent.....	204	216	229
24.0 Printing and reproduction.....	22	23	24
25.0 Other services.....	7,657	7,742	9,494
26.0 Supplies and materials.....	385	408	433
31.0 Equipment.....	1,918	2,033	2,160
32.0 Lands and structures.....	341	360	381
42.0 Insurance claims and indemnities.....	7	5	5
93.0 Limitation on general operating expenses (see separate schedule).....	18,546	20,855	18,859
Total reimbursable obligations.....	36,522	40,000	40,000
Total obligations, Federal Highway Administration.....	6,996,598	7,637,664	7,667,133
ALLOCATION ACCOUNTS			
Personnel compensation:			
11.1 Permanent positions.....	529	1,633	1,633
11.3 Positions other than permanent.....	405	1,063	1,075
11.5 Other personnel compensation.....	79	278	278
Total personnel compensation.....	1,013	2,974	2,986
12.1 Personnel benefits: Civilian.....	85	273	275
21.0 Travel and transportation of persons.....	35	115	115
22.0 Transportation of things.....	115	321	321
23.2 Communications, utilities, and other rent.....	77	162	162
24.0 Printing and reproduction.....	2	6	6
25.0 Other services.....	2,186	5,936	5,922
26.0 Supplies and materials.....	362	624	624
31.0 Equipment.....	31	65	65
32.0 Lands and structures.....	3,323	9,024	7,774
41.0 Grants, subsidies, and contributions.....	42,033	25,000	39,000
42.0 Insurance claims and indemnities.....	2		
Total obligations, allocation accounts.....	49,264	44,500	57,250
99.0 Total obligations.....	7,045,862	7,682,164	7,724,383

Obligations are distributed as follows:

Federal Highway Administration.....	6,996,598	7,637,664	7,667,133
Urban Mass Transportation Administration.....	42,033	25,000	39,000
Army: Corps of Engineers.....	2,134	4,000	2,000
Agriculture: Forest Service.....	4,006	14,000	15,000
Interior:		250	
Bureau of Land Management.....		671	750
Bureau of Indian Affairs.....		419	500
National Park Service.....			500

Personnel Summary

FEDERAL HIGHWAY ADMINISTRATION

Direct:			
Total number of permanent positions.....	137	137	137
Full-time equivalent of other positions.....	62	70	70
Average paid employment.....	199	202	202
Average GS grade.....	8.83	8.83	8.83
Average GS salary.....	\$17,205	\$18,847	\$19,158
Reimbursable:			
Total number of permanent positions.....	426	416	416
Full-time equivalent of other positions.....	28	30	30
Average paid employment.....	400	393	388
Average GS grade.....	8.83	8.83	8.83
Average GS salary.....	\$17,205	\$18,847	\$19,158

ALLOCATION ACCOUNTS

Total number of permanent positions.....	179	222	222
Full-time equivalent of other positions.....	95	109	109
Average paid employment.....	186	214	214
Average GS grade.....	8.74	8.74	8.74
Average GS salary.....	\$16,905	\$18,096	\$18,096

LIMITATION ON GENERAL OPERATING EXPENSES

Necessary expenses for administration, operation, and research of the Federal Highway Administration not to exceed **[\$159,725,000]** \$172,065,000 shall be paid, in accordance with law, from appropriations made available by this Act to the Federal Highway Administration together with advances and reimbursements received by the Federal Highway Administration: *Provided*, That not to exceed **[\$34,000,000]** \$86,160,000 of the amount provided herein shall remain available until expended. (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Program direction and coordination:			
(a) Executive direction.....	452	484	487
(b) Legal services.....	1,239	1,342	1,351
(c) Program review and investigations.....	490	550	554
(d) Public affairs.....	261	281	283
(e) Civil rights.....	659	716	721
2. General program support:			
(a) Program and highway planning.....	6,983	7,666	8,541
(b) Research and development.....	19,759	21,076	21,510
(c) Administrative support.....	24,611	28,339	31,018
(d) National Highway Institute.....	1,942	2,094	2,198
(e) Career development programs.....	3,056	3,313	3,641
3. Highway programs:			
(a) Engineering and traffic operations.....	6,577	6,923	6,969
(b) Right-of-way and environment.....	3,248	3,474	3,495
(c) Highway safety.....	12,159	10,474	10,262
(d) Construction skill training.....	10,266	11,209	10,000
Field operations.....	65,772	72,034	72,525
Total program costs, funded—obligations.....	157,475	169,975	173,555
Financing:			
Offsetting collections from: Federal funds.....	-2,258	-1,500	-1,500
Unobligated balance available, start of year.....	-6,262	-2,350	
Unobligated balance available, end of year.....	2,350		
Unobligated balance lapsing.....	2,795		
Limitation.....	154,100	159,725	172,055
Proposed increase due to civilian pay increases.....		6,400	

This limitation provides for the salaries and expenses of the Federal Highway Administration required to conduct and administer Federal-aid highways, Off-system roads, Safer off-system roads, and Off-system railway-highway crossings. Commencing in 1977, administrative expenses for the Highway beautification and Territorial highways programs were also included within the limitation.

Administrative services for other programs of the Federal Highway Administration, including Highway-related safety grants, and for road construction programs of other agencies are initially financed from this limitation with reimbursements being collected from those programs. In addition, the appropriation for Highway safety research and development is transferred to and administered through this limitation. The limitation does not cover administrative expenses of Darien Gap Highway and Motor carrier safety which are funded by their respective appropriations, although an amount is transferred from Motor carrier safety to this account to cover their share of the cost of undistributed overhead.

1. *Program direction and coordination.*—(a) Provides overall direction and coordination of the highway transportation program; (b) provides legal services for all programs; (c) develops and administers programs for continuing audit of claims against Federal funds and a thorough investigation of alleged irregularities; (d) plans and directs public affairs programs; and (e) develops, recommends policies and standards, and reassures compliance with the civil rights and equal opportunity procedures within the Federal Highway Administration and by recipients of grants-in-aid administered by the Federal Highway Administration.

2. *General program support.*—(a) Formulates policy, multiyear and long-range plans and goals for highway programs and develops data and analyses for current and long-range programming; (b) conducts direct and contract research and development relating to traffic operations, new construction techniques, and the social and environmental aspects of highways; (c) provides administrative support services for all elements of the Federal Highway Administration; and (d) provides on-the-job training for employees of the Federal Highway Administration and training opportunities for highway-related personnel.

3. *Highway programs.*—(a) Provides engineering guidance to Federal and State agencies and to foreign governments, and conducts a program to encourage use of modern traffic engineering procedures to increase the vehicle-carrying capacity of existing highways and urban streets; (b) assists States, other Federal agencies, and certain foreign countries in right-of-way acquisition and develops procedures for highway location selection and consideration of environmental impacts; and (c) finances construction skill training programs for disadvantaged workers hired by contractors on federally aided highway projects.

4. *Field operations.*—(a) Provides staff advisory and support services in field offices of the Federal Highway Administration, and (b) provides program and engineering supervision of the several highway programs through 9 regional and 52 division offices.

5. *Highway beautification.*—Provides for monitoring of program progress, policy formulation, and assistance and guidance to the States in the removal of billboards, screening or removal of junkyards, and landscaping and scenic enhancement of highway rights-of-way.

6. *Territorial highways.*—Provides for planning and engineering guidance to Guam, American Samoa, and the Virgin Islands in the development of their highway systems.

Object Classification (in thousands of dollars)

Identification code 20-8102-0-7-401	1977 actual	1978 est.	1979 est.
Personnel compensation:			
11.1 Permanent positions.....	81,954	88,027	88,963
11.3 Positions other than permanent.....	1,449	1,790	1,790
11.5 Other personnel compensation.....	369	391	391
Total personnel compensation.....	83,773	90,208	91,144
12.1 Personnel benefits: Civilian.....	9,363	10,362	10,501
13.0 Benefits for former personnel.....	27	-----	-----
21.0 Travel and transportation of persons..	4,979	5,628	5,628
22.0 Transportation of things.....	705	874	874
23.1 Standard level user charges.....	5,340	6,757	7,551
23.2 Communications, utilities, and other rent.....	3,830	4,231	4,765
24.0 Printing and reproduction.....	1,458	1,649	2,042
25.0 Other services.....	45,922	48,094	47,936
26.0 Supplies and materials.....	799	899	942
31.0 Equipment.....	1,274	1,273	1,273
32.0 Lands and structures.....	-----	-----	900
42.0 Insurance claims and indemnities.....	6	-----	-----
93.0 Administrative expenses included in schedule for funds as a whole.....	-157,475	-169,975	-173,555
99.0 Total obligations.....	-----	-----	-----

Personnel Summary

Total number of permanent positions.....	3,829	3,827	3,827
Full-time equivalent of other positions.....	123	175	175
Average paid employment.....	3,868	3,869	3,869
Average GS grade.....	10.36	10.36	10.36
Average GS salary.....	\$21,971	\$23,874	\$24,203

HIGHWAY-RELATED SAFETY GRANTS (LIQUIDATION OF CONTRACT AUTHORIZATION) (TRUST FUND) *

*See "Legislative Program" (end of this chapter) for additional information.

For payment of obligations incurred in carrying out the provisions of title 23, United States Code, section 402, administered by the Federal Highway Administration, to remain available until expended, **[\$20,000,000]** \$23,000,000, to be derived from the Highway Trust Fund: *Provided*, That not to exceed \$633,000 of the amount appropriated herein shall be available for "Limitation on general operating expenses". (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-8019-0-7-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. State and community grants.....	15,167	19,687	22,367
2. Administration of grant programs.....	556	633	633
Total program costs, funded.....	15,723	20,320	23,000
Change in selected resources (undelivered orders).....	5,277	7,680	5,000
10.00 Total obligations.....	21,000	28,000	28,000
Financing:			
21.49 Unobligated balance available, start of year: Contract authority.....	-84,173	-63,173	-59,929
24.49 Unobligated balance available, end of year: Contract authority.....	63,173	59,929	31,929
Budget authority.....	-----	24,756	-----
Budget authority:			
Current:			
40.00 Appropriation.....	20,320	20,000	23,000
40.49 Portion applied to liquidate contract authority.....	-20,320	-20,000	-23,000
43.00 Appropriation (adjusted).....	-----	-----	-----
69.10 Permanent:	-----	-----	-----
Contract authority.....	-----	24,756	-----

HIGHWAY-RELATED SAFETY GRANTS (LIQUIDATION OF CONTRACT AUTHORIZATION) (TRUST FUND)—Continued

Program and Financing (in thousands of dollars)—Continued

Identification code 69-8019-0-7-401	1977 actual	1978 est.	1979 est.
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	21,000	28,000	28,000
72.49 Obligated balance, start of year: Contract authority.....	22,618	23,298	31,298
74.49 Obligated balance, end of year: Contract authority.....	-23,298	-31,298	-36,298
90.00 Outlays.....	20,320	20,000	23,000
Status of Unfunded Contract Authority (in thousands of dollars)			
Unfunded balance, start of year.....	106,791	86,471	91,227
Contract authority.....		24,756	
Appropriation to liquidate contract authority	-20,320	-20,000	-23,000
Unfunded balance, end of year.....	86,471	91,227	68,227

The Highway Safety Act of 1970 authorized grants to States and communities for implementing and maintaining highway-related safety standards. Funding was one-third Federal funds and two-thirds highway trust funds. The Highway Safety Act of 1975 provided additional authorizations which were entirely trust funded and extended grant eligibility to Indian reservations and the three U.S. territories.

As proposed in the new highway and transit legislation, this program will be incorporated within "Federal-aid highways."

Object Classification (in thousands of dollars)

Identification code 69-8019-0-7-401	1977 actual	1978 est.	1979 est.
25.0 Other services.....	556	633	633
41.0 Grants, subsidies, and contributions....	20,444	27,367	27,367
99.0 Total obligations.....	21,000	28,000	28,000

BALTIMORE-WASHINGTON PARKWAY

Program and Financing (in thousands of dollars)

Identification code 69-8014-0-7-401	1977 actual	1978 est.	1979 est.
Program by activities:			
Baltimore-Washington Parkway (program costs, funded).....	76	1,170	1,120
Change in selected resources (undelivered orders).....	-76	-1,170	974
10.00 Total obligations (object class 32.0).....			2,094
Financing:			
21.40 Unobligated balance available, start of year.....	-594	-2,094	-2,094
24.40 Unobligated balance available, end of year.....	2,094	2,094	
40.00 Budget authority (appropriation).....	1,500		
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	2,989	2,919	1,749
72.40 Obligated balance, start of year.....	-2,919	-1,749	-2,723
74.40 Obligated balance, end of year.....			
90.00 Outlays.....	70	1,170	1,120

The Federal-Aid Highway Act of 1970 authorized \$65 million for the reconstruction of the federally owned section of the Baltimore-Washington Parkway to six lanes. Following reconstruction, the highway will be transferred to the State of Maryland and placed on the Federal-aid primary system.

The 1979 program level of \$2.1 million will complete environmental and preliminary design studies and begin some right-of-way acquisition. The projects are not expected to advance to construction in 1979, so no new funds are requested.

HIGHLAND SCENIC HIGHWAY

Program and Financing (in thousands of dollars)

Identification code 69-8027-0-7-401	1977 actual	1978 est.	1979 est.
Financing:			
21.40 Unobligated balance available, start of year.....	-15,000		
23.40 Unobligated balance transferred to other accounts.....	15,000		
Budget authority.....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....			
90.00 Outlays.....			

The Federal-Aid Highway Act of 1973 authorized the development and construction as a parkway, the Highland Scenic Highway within West Virginia. In 1976, \$15,000 thousand was appropriated to be available until expended. In accordance with the Department of Transportation and Related Agencies Appropriation Act, 1976, and the period ending September 30, 1976 (Public Law 94-134) the funds were transferred to the National Park Service.

[HIGHLAND SCENIC HIGHWAY STUDY]

[For necessary expenses to perform a study on the "Highland Scenic Highway", to remain available until expended, \$1,500,000, to be derived from the "Highway Trust Fund", to be transferred to the Forest Service, Department of Agriculture.] (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-8013-0-7-401	1977 actual	1978 est.	1979 est.
Financing:			
40.00 Budget authority.....		1,500	
41.00 Transferred to other accounts.....		-1,500	
43.00 Appropriation (adjusted).....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....			
90.00 Outlays.....			

The 1978 Department of Transportation and Related Agencies Appropriation Act contained a one-time item of \$1,500 thousand to be derived from the Highway trust fund to be transferred to the Forest Service, Department of Agriculture. This appropriation is available for studying the Highland Scenic Highway north of U.S. 219, 26 miles to U.S. 250.

TRUST FUND SHARE OF OTHER HIGHWAY PROGRAMS

Program and Financing (in thousands of dollars)

Identification code 69-8009-0-7-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. National scenic and recreational highway.....	1,338	11,000	22,800
2. Railroad-highway crossings demonstration projects.....	3,724	6,300	10,500
3. Rail crossings—demonstration projects.....	63	2,000	2,000
4. Rural highway public transportation demonstration program.....	3,339	12,988	-----
Total program costs, funded.....	8,464	32,288	35,300
Change in selected resources (undelivered orders).....	15,665	22,272	23,358
10.00 Total obligations (object class 25.0).....	24,129	54,560	58,658
Financing:			
Unobligated balance available, start of year:			
21.40 Appropriation.....	-16,881	-29,684	-8,658
21.49 Contract authority.....	-96,549	-76,950	-71,750
Unobligated balance available, end of year:			
24.40 Appropriation.....	29,684	8,658	-----
24.49 Contract authority.....	76,950	71,750	21,750
Budget authority.....	17,333	28,333	-----
Budget authority:			
Current:			
40.00 Appropriation.....	44,851	10,633	13,000
40.49 Portion applied to liquidate contract authority.....	-27,518	-7,300	-13,000
43.00 Appropriation (adjusted).....	17,333	3,333	-----
Permanent:			
69.10 Contract authority (90 Stat. 428).....	-----	25,000	-----
Distribution of budget authority by account:			
National scenic and recreational highway.....	-----	25,000	-----
Railroad-highway crossings demonstration projects.....	17,333	3,333	-----
Distribution of obligations by account:			
National scenic and recreational highway.....	12,968	31,286	50,000
Railroad-highway crossings demonstration projects.....	2,276	17,000	8,658
Rail crossings—demonstration projects.....	1,714	3,794	-----
Rural highway public transportation demonstration program.....	7,171	2,480	-----
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	24,129	54,560	58,658
Obligated balance, start of year:			
72.40 Appropriation.....	10,327	33,851	33,222
72.49 Contract authority.....	7,919	-----	22,900
Obligated balance, end of year:			
74.40 Appropriation.....	-33,851	-33,222	-19,580
74.49 Contract authority.....	-----	-22,900	-59,900
90.00 Outlays.....	8,524	32,288	35,300
Distribution of outlays by account:			
National scenic and recreational highway.....	768	11,000	22,800
Railroad-highway crossings demonstration projects.....	3,588	6,300	10,500
Rail crossings—demonstration projects.....	829	2,000	2,000
Rural highway public transportation demonstration program.....	3,339	12,988	-----
Status of Unfunded Contract Authority (in thousands of dollars)			
Unfunded balance, start of year.....	104,468	76,950	94,650
Contract authority.....	-----	25,000	-----
Appropriation to liquidate contract authority.....	-27,518	-7,300	-13,000
Unfunded balance, end of year.....	76,950	94,650	81,650

This account reimburses certain parent accounts financed from general funds of the Treasury for the Highway trust fund portion of costs in carrying out the following programs:

1. *National scenic and recreational highway.*—The Federal-Aid Highway Act of 1973 authorized the construction and reconstruction of the Great River Road by the 10 States bordering the Mississippi River. A single continuous route has been tentatively designated which will run from Lake Itasca in Minnesota to Venice, La.

2. *Railroad-highway crossings demonstration projects.*—Various legislation authorized demonstration projects in 19 cities for the purpose of protecting or eliminating certain public ground-level rail-highway crossings, relocating railroad lines from central areas, and the construction of overpasses and underpasses.

3. *Rail crossings—demonstration projects.*—The Federal-Aid Highway Act of 1970 authorized two demonstration projects. One project is to eliminate public ground-level rail-highway crossings along the route of the Northeast corridor high-speed rail line between Washington, D.C., and Boston, Mass. The other project is to eliminate or protect certain rail-highway crossings in the vicinity of Greenwood, S.C., and to relocate rail lines bisecting the town proper.

4. *Rural highway public transportation demonstration program.*—The Federal-Aid Highway Act of 1973 authorized demonstration projects for encouraging the development, improvement, and use of public mass transit systems operating vehicles within rural areas.

HIGHWAY SAFETY RESEARCH AND DEVELOPMENT

For necessary expenses in carrying out provisions of title 23, United States Code, to be derived from the Highway Trust Fund, \$9,000,000, to remain available until expended. (*Department of Transportation and Related Agencies Appropriation Act, 1978; additional authorizing legislation to be proposed.*)

Program and Financing (in thousands of dollars)

Identification code 69-8017-0-7-401	1977 actual	1978 est.	1979 est.
Program by activities:			
Highway Safety Research and Development (program costs, funded).....	8,492	10,400	15,800
Change in selected resources (undelivered orders).....	2,518	-1,180	-6,800
10.00 Total obligations (object class 25.0).....	11,010	9,220	9,000
Financing:			
Unobligated balance available, start of year:			
21.40 Unobligated balance available, start of year.....	-2,229	-220	-----
Unobligated balance available, end of year:			
24.40 Unobligated balance available, end of year.....	220	-----	-----
40.00 Budget authority (appropriation).....	9,000	9,000	9,000
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	11,010	9,220	9,000
72.40 Obligated balance, start of year.....	11,779	15,219	14,038
74.40 Obligated balance, end of year.....	-15,219	-14,038	-7,238
90.00 Outlays.....	7,571	10,400	15,800

This appropriation, established in 1975, seeks to identify, correct, and evaluate those critical elements which contribute to loss of life, disabling injuries, and property damage on American highways. The emphasis of research is to provide workable and timely solutions to a set of critical safety problems. A program level of \$9,000 thousand is planned for 1979 to meet the increasing demands

HIGHWAY SAFETY RESEARCH AND DEVELOPMENT—Continued

for solutions to urgent safety problems such as traffic management in construction and maintenance zones and new longer range initiatives in safety hardware, driver aids, and measuring system performance.

Funds appropriated for this account are transferred to the General operating expenses limitation where the program is administered in conjunction with other research and development programs of the Federal Highway Administration.

OVERSEAS HIGHWAY

For necessary expenses for construction of the Overseas Highway in accordance with the provisions of section 118, Federal-Aid Highway Amendments of 1974, to remain available until expended, \$17,000,000 to be derived from the Highway Trust Fund, together with \$8,000,000 to be allocated from amounts available for obligation as authorized by section 105(c)(2) of the Federal-Aid Highway Act of 1976. (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-8021-0-7-401	1977 actual	1978 est.	1979 est.
Program by activities:			
Overseas highway (program costs, funded)	1,830	6,700	12,200
Change in selected resources (undelivered orders)	3,843	17,279	4,800
10.00 Total obligations (object class 41.0)	5,673	23,979	17,000
Financing:			
21.40 Unobligated balance available, start of year	-152	-6,979	
24.40 Unobligated balance available, end of year	6,979		
40.00 Budget authority (appropriation)	12,500	17,000	17,000
Relation of obligations to outlays:			
71.00 Obligations incurred, net	5,673	23,979	17,000
72.40 Obligated balance, start of year	848	4,691	21,970
74.40 Obligated balance, end of year	-4,691	-21,970	-26,770
90.00 Outlays	1,830	6,700	12,200

The Federal-Aid Highway Amendments of 1974 authorized 70% Federal grant assistance for reconstruction or replacement of 37 two-lane bridges on the Overseas Highway. This 110-mile highway is the ground transportation link between Key West and Key Largo in the State of Florida.

An appropriation of \$17 million is requested for this program in 1979. This level of funding will permit the orderly continuation of the program, consistent with the total program authorization of \$109.2 million.

HIGHWAY TRUST FUND

Amounts Available for Appropriation (in thousands of dollars)

	1977 actual	1978 est.	1979 est.
Unexpended balance brought forward	9,008,523	10,163,646	11,069,198
Balance in expenditure accounts	-56,647	-84,959	-50,156
Appropriation balance	-202,981	-809,203	-113,218
Unappropriated balance, start of year	8,748,895	9,269,482	10,905,823

Receipts (net)	7,302,299	7,730,000	8,105,000
Total available for appropriation	16,051,194	16,999,482	19,010,823
Appropriations:			
Federal Highway Administration:			
Federal-aid highways (liquidation of contract authorization)	6,528,100	5,850,000	7,250,000
Highway-related safety grants	20,320	20,000	23,000
Baltimore-Washington Parkway	1,500		
Demonstration programs	20,000	27,250	
Trust fund share of other highway programs:			
Appropriation	17,333	3,333	
Liquidation of contract authorization	27,518	7,300	13,000
Highway safety research and development	9,000	9,000	9,000
Overseas Highway	12,500	17,000	17,000
Right-of-way revolving fund (liquidation of contract authorization)	35,000	20,000	30,000
National Highway Traffic Safety Administration:			
Trust fund share of highway safety programs:			
Appropriation	27,081	26,800	26,450
Liquidation of contract authorization	83,360	112,000	166,000
Supplemental proposed		-524	
Department of Agriculture, Forest Service: Highland Scenic Highway Study			
		1,500	
Total appropriations	6,781,712	6,093,659	7,534,450
Unexpended balance, end of period	10,163,646	11,069,198	11,667,097
Balance in expenditure accounts	-84,959	-50,156	-57,506
Appropriated balance	-809,203	-113,218	-133,218
Unappropriated balance, end of period	9,269,482	10,905,823	11,476,373

The Highway Revenue Act of 1956, as amended, provides for the transfer from the General fund to the Highway trust fund of revenue from the gasoline tax and certain other taxes paid by highway users. The Secretary of the Treasury estimates the amounts to be so transferred. In turn, appropriations are authorized from this fund to meet expenditures for Federal-aid highways and other programs specified by law.

The status of the fund is as follows (in thousands of dollars):

Unexpended balance brought forward:	1977 actual	1978 estimate	1979 estimate
U.S. securities (par)	8,951,876	10,078,687	11,019,042
Cash	56,647	84,959	50,156
Balance of fund at start of year	9,008,523	10,163,646	11,069,198
Cash income during the year: Governmental receipts:			
From excise taxes:			
Gasoline tax	4,396,643	4,563,000	4,710,000
Truck, bus and trailer taxes	708,127	745,000	790,000
Proposed legislation		-13,000	-9,000
Tire, innertube, and tread rubber taxes	812,970	851,000	897,000
Diesel fuel taxes	453,814	516,000	593,000
Lubricating oil taxes	101,390	87,000	87,000
Use tax on certain vehicles	239,700	281,000	277,000
Truck parts and accessories tax	164,714	200,000	221,000
Transfers to land and water conservation fund	-33,000	-34,000	-35,000
Refund of taxes	-135,128	-110,000	-113,000
Intrabudgetary transactions:			
Interest on investments	593,048	644,000	687,000
Miscellaneous interest	20		
Total annual income	7,302,299	7,730,000	8,105,000

Cash outgo during the period:			
Federal Highway Administration appropriations:			
Federal-aid highways (liquidation of contract authorization).....	5,972,946	6,549,735	7,180,000
Proposed legislation.....			10,130
Highway-related safety grants.....	20,320	20,000	23,000
Proposed legislation.....			4,200
Baltimore-Washington Parkway.....	70	1,170	1,120
Demonstration programs.....	508	11,780	13,990
Trust fund share of other highway programs:			
Appropriation.....	7,757	21,288	12,500
Liquidation of contract authorization.....	768	11,000	22,800
Highway safety research and development.....	7,571	10,400	15,800
Overseas Highway.....	1,830	6,700	12,200
Right-of-way revolving fund (liquidation of contract authorization).....	9,176	35,825	20,000
National Highway Traffic Safety Administration appropriations:			
Trust fund share of highway safety programs:			
Appropriation.....	28,488	30,530	31,104
Liquidation of contract authorization.....	96,412	117,900	166,000
Supplemental proposed.....		-130	-394
Department of Agriculture, Forest Service appropriations:			
Highland Scenic Highway.....	1,331	7,500	2,300
Highland Scenic Highway study.....		750	750
Total annual outgo.....	6,147,175	6,824,448	7,507,100
Unexpended balance carried forward:			
U.S. securities (par).....	10,078,687	11,019,042	11,609,592
Cash.....	84,959	50,156	57,506
Balance of fund at end of period.....	10,163,646	11,069,198	11,667,098

MISCELLANEOUS TRUST FUNDS

Program and Financing (in thousands of dollars)

Identification code 69-9971-0-7-151	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Cooperative work, forest highways.....	204	1,116	1,000
2. Equipment, supplies, etc., for cooperating countries.....	999	12,342	10,000
3. Technical assistance, U.S. dollars advanced from foreign governments.....	1,617	1,916	1,510
4. Contributions for highway research programs.....	2,841	4,572	2,400
5. Advances from State cooperating agencies.....	47	17	5
Total program costs, funded.....	5,708	19,963	14,915
Change in selected resources (undelivered orders).....	-1,114	-3,825	
10.00 Total obligations.....	4,594	16,138	14,915
Financing:			
Unobligated balance available, start of year:			
21.40 Appropriation.....	-982	-565	
21.49 Contract authority.....	-199	-21	
Unobligated balance available, end of year:			
24.40 Appropriation.....	565		
24.49 Contract authority.....	21		
25.49 Unobligated balance lapsing: Contract authority.....	1		
Budget authority.....	4,000	15,552	14,915

Budget authority:				
Permanent:				
60.00	Appropriation.....	4,792	16,144	14,915
60.49	Portion applied to liquidate contract authority.....	-911	-592	
63.00	Appropriation (adjusted).....	3,881	15,552	14,915
69.00	Contract authority (23 U.S.C. 112, 120(8), 204; 64 Stat. 204-209).....	119		
Distribution of budget authority by account:				
	Cooperative work, forest highways.....	-31	1,000	1,000
	Equipment, supplies, etc., for cooperating countries.....	140	10,637	10,000
	Technical assistance, U.S. dollars advanced from foreign governments.....	1,510	1,510	1,510
	Contributions for highways research programs.....	2,376	2,400	2,400
	Advances from State cooperating agencies.....	5	5	5
Relation of obligations to outlays:				
71.00	Obligations incurred, net.....	4,594	16,138	14,915
Obligated balance, start of year:				
72.40	Appropriation.....	3,818	3,254	
72.49	Contract authority.....	1,186	571	
Obligated balance, end of year:				
74.40	Appropriation.....	-3,254		
74.49	Contract authority.....	-571		
90.00	Outlays.....	5,773	19,963	14,915
Distribution of outlays by account:				
	Cooperative work, forest highways.....	226	1,116	1,000
	Equipment, supplies, etc., for cooperating countries.....	999	12,342	10,000
	Technical assistance, U.S. dollars advanced from foreign governments.....	1,671	1,916	1,510
	Contributions for highway research programs.....	2,834	4,572	2,400
	Advances from State cooperating agencies.....	43	17	5

Status of Unfunded Contract Authority (dollars in thousands)

Unfunded balance, start of year.....	1,385	592	
Contract authority.....	119		
Unfunded balance lapsing.....	-1		
Appropriation to liquidate contract authority.....	-911	-592	
Unfunded balance, end of year.....	592		

1. *Cooperative work, forest highways.*—Contributions are received from States and counties in connection with cooperative engineering, survey, maintenance, and construction projects for forest highways.

2. *Equipment, supplies, etc., for cooperating countries.*—In connection with the construction of the Darien Gap Highway, the Federal Highway Administration acts as agent for Panama and Colombia in purchasing equipment, supplies, and services.

3. *Technical assistance, U.S. dollars advanced from foreign governments.*—The Federal Highway Administration renders technical assistance and acts as agent for the purchase of equipment and materials for carrying out highway programs in foreign countries. Currently, these services are being rendered in Costa Rica, Panama, Iran, Nicaragua, the Philippines, Japan, the Netherlands, Australia, and Kuwait.

4. *Contributions for highway research programs.*—In association with the General Services Administration and the Department of Defense, tests of highway equipment are conducted for the purpose of establishing performance standards upon which to base specifications for use by the Government in purchasing such equipment.

5. *Advances from State cooperating agencies.*—Funds are contributed by the State highway departments or local

MISCELLANEOUS TRUST FUNDS—Continued

subdivisions thereof for construction and/or maintenance of roads or bridges. The work is performed under the supervision of the Federal Highway Administration.

Object Classification (in thousands of dollars)

Identification code 69-9971-0-7-151	1977 actual	1978 est.	1979 est.
Personnel compensation:			
11.1 Permanent positions.....	573	910	1,146
11.3 Positions other than permanent.....	25	27	29
11.5 Other personnel compensation.....	68	70	72
Total personnel compensation.....	666	1,007	1,247
12.1 Personnel benefits: Civilian.....	66	79	132
21.0 Travel and transportation of persons..	50	186	194
22.0 Transportation of things.....	26	28	30
23.2 Communications, utilities, and other rent.....	3	3	3
24.0 Printing and reproduction.....	2	2	2
25.0 Other services.....	1,285	1,229	1,301
26.0 Supplies and materials.....	4	4	5
31.0 Equipment.....	46	49	52
32.0 Lands and structures.....	2,446	13,551	11,949
99.0 Total obligations.....	4,594	16,138	14,915
Distribution of obligations by account:			
Cooperative work, forest highways.....	86	1,104	1,000
Equipment, supplies, etc., for cooperating countries.....	140	10,637	10,000
Technical assistance, U.S. dollars advanced from foreign governments.....	1,595	1,912	1,510
Contributions for highway research programs.....	2,736	2,477	2,400
Advances from State cooperating agencies..	37	8	5
Personnel Summary			
Total number of permanent positions.....	37	37	37
Full-time equivalent of other positions.....	0	0	0
Average paid employment.....	17	27	34
Average GS grade.....	14.50	14.50	14.50
Average GS salary.....	\$31,475	\$33,808	\$33,808

MISCELLANEOUS TRUST FUNDS—DEMONSTRATION PROJECTS

PROJECT ACCELERATION DEMONSTRATION PROGRAM

For necessary expenses to enable the Secretary to conduct a demonstration project authorized by section 141 of the Federal-Aid Highway Act of 1976, \$5,000,000, to be derived from the Highway Trust Fund and to remain available until expended.

TRAFFIC CONTROL SIGNALIZATION DEMONSTRATION PROJECTS

For necessary expenses to carry out the provisions of section 146 of the Federal-Aid Highway Act of 1976, \$20,000,000, to be derived from the Highway Trust Fund and to remain available until September 30, 1981.

INTERMODAL URBAN DEMONSTRATION PROJECT

For necessary expenses to carry out the provisions of section 124 of the Federal-Aid Highway Amendments of 1974; \$2,250,000, to be derived from the Highway Trust Fund and to remain available until September 30, 1981. (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-9972-0-7-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Project acceleration demonstra- tion program.....	508	3,760	4,300

2. Traffic control signalization demonstration projects.....	7,570	8,970	
3. Intermodal urban demonstration project.....	450	720	
Total program costs, funded.....	508	11,780	13,990
Change in selected resources (unde- livered orders).....	12,164	22,799	-13,990
10.00 Total obligations (object class 41.0).....	12,671	34,579	
Financing:			
21.40 Unobligated balance available, start of year.....		-7,329	
24.40 Unobligated balance available, end of year.....	7,329		
40.00 Budget authority (appropriation).....	20,000	27,250	
Distribution of budget authority by account:			
Project acceleration demonstration.....	10,000	5,000	
Traffic control signalization.....	10,000	20,000	
Intermodal urban demonstration.....		2,250	
Distribution of obligations by account:			
Project acceleration demonstration.....	4,800	10,199	
Traffic control signalization.....	7,871	22,129	
Intermodal urban demonstration.....		2,250	
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	12,671	34,579	
72.40 Obligated balance, start of year.....		12,164	34,962
74.40 Obligated balance, end of year.....	-12,164	-34,962	-20,972
90.00 Outlays.....	508	11,780	13,990

Distribution of outlays by account:			
Project acceleration demonstration.....	508	3,760	4,300
Traffic control signalization.....		7,570	8,970
Intermodal urban demonstration.....		450	720

1. Project acceleration demonstration program.—The 1976 Highway Act authorized \$25 million to demonstrate the feasibility of reducing the time required to construct a highway project that is necessitated due to changes in population or traffic flow caused by the construction of other Federal projects.

The appropriations for this program through 1978 total \$15,000 thousand, and is expected to be obligated by the end of that year for a highway interchange near Everett, Pa. No appropriation is requested for 1979.

2. Traffic control signalization demonstration projects.—Section 146 of the Federal-Aid Highway Act of 1976 (Public Law 94-280) authorized \$40,000 thousand per year for 1977 and 1978 to improve traffic signal control systems by using technology not now in general use.

It is estimated that all \$30,000 thousand appropriated through 1978 will be obligated by the end of that year, and no further funding is requested. Activities authorized through this account are also authorized expenses within the Federal-aid highways account.

3. Intermodal urban demonstration project.—Section 124 of the Federal-Aid Highway Amendments of 1974 authorized not to exceed \$53 million for a demonstration project for construction of a high-density urban highway intermodal transportation connection between Franklin Avenue and 59th Street, South, in Minneapolis, Minn.

The 1978 appropriation of \$2.25 million will cover preliminary design and environmental studies, but further funding is deferred pending the outcome of social, economic and environmental studies.

RIGHT-OF-WAY REVOLVING FUND (LIQUIDATION OF CONTRACT AUTHORIZATION) (TRUST FUND)

For payment of obligations incurred in carrying out the provisions of 23 U.S.C. 108(c), as authorized by section 7(e) of the Federal-Aid Highway Act of 1968, to remain available until expended, **[\$20,000,000]** \$30,000,000, to be derived from the Highway Trust Fund at such times and in such amounts as may be necessary to meet current withdrawals. (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-8402-0-8-401	1977 actual	1978 est.	1979 est.
Program by activities:			
Advance acquisition of right-of-way (program costs, funded).....	24,201	35,824	20,000
Change in selected resources (undelivered orders).....	-24,201	-10,966	-20,000
10.00 Total obligations (object class 33.0).....		24,858	
Financing:			
17.00 Recovery of prior year obligations....	-24,201		
21.49 Unobligated balance available, start of year: Contract authority.....	-657	-24,858	
24.49 Unobligated balance available, end of year: Contract authority.....	24,858		
Budget authority.....			
Budget authority:			
40.00 Appropriation.....	35,000	20,000	30,000
40.49 Portion applied to liquidate contract authority.....	-35,000	-20,000	-30,000
43.00 Appropriation (adjusted).....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	-24,201	24,858	
Obligated balance start of year:			
72.49 Contract authority.....	119,343	60,143	65,000
72.98 Fund balance.....	10,874	36,698	20,874
Obligated balance, end of year:			
74.49 Contract authority.....	-60,143	-65,000	-35,000
74.98 Fund balance.....	-36,698	-20,874	-30,874
90.00 Outlays.....	9,176	35,825	20,000
Status of Unfunded Contract Authority (in thousands of dollars)			
Unfunded balance, start of year.....	120,000	85,000	65,000
Appropriation from the Highway trust fund to liquidate contract authority.....	-35,000	-20,000	-30,000
Unfunded balance, end of year.....	85,000	65,000	35,000

The Federal-Aid Highway Act of 1968 authorized \$300 million for the establishment of a right-of-way revolving fund. This fund is utilized to make cash advances to the States for the purpose of purchasing right-of-way parcels in advance of highway construction and thereby preventing the inflation of land prices from causing a significant increase in construction costs.

The initial legislation for this program required the States to construct the highway and reimburse the revolving fund within 7 years from the date of the advance. The 1973 Highway Act extended the required time limit on construction to 10 years and the 1976 Highway Act extended the time limit indefinitely, if deemed necessary by the Secretary.

In 1979, obligations will be made to the extent of States reimbursements to the revolving fund.

Revenue and Expenses (in thousands of dollars)

	1977 actual	1978 est.	1979 est.
Advances for acquisition of right-of-way program: Expenses.....	9,176	35,825	20,000
Net operating loss.....	9,176	35,825	20,000

Financial Condition (in thousands of dollars)

	TQ actual	1977 actual	1978 est.	1979 est.
Assets:				
Drawing account with Treasury				
Advances (loans).....	169,126	178,302	214,126	234,126
Due from Highway trust fund.....	10,874	36,698	20,874	30,874
Total assets.....	180,000	215,000	235,000	265,000
Government equity:				
Non-interest-bearing capital:				
Undisbursed loan obligations.....	130,216	96,840	85,874	65,874
Unobligated balance.....	657	24,858		
Contract authority.....	-120,000	-85,000	-65,000	-35,000
Invested capital.....	169,126	178,302	214,126	234,126
Total Government equity.....	180,000	215,000	235,000	265,000
Analysis of changes in Government equity:				
Non-interest-bearing capital:				
Start of year.....		180,000	215,000	235,000
Appropriation.....		35,000	20,000	30,000
Total Government equity, end of period.....		215,000	235,000	265,000

NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

The programs administered by the National Highway Traffic Safety Administration (NHTSA) are authorized by three separate laws: The National Traffic and Motor Vehicle Safety Act, the Highway Safety Act, and the Motor Vehicle Information and Cost Savings Act. The following table shows the funding for NHTSA programs administered under each act (in thousands of dollars):

Budget authority:	1977 actual	1978 estimate	1979 estimate
Traffic and highway safety appropriation:			
Traffic and motor vehicle safety programs.....	41,812	42,700	42,173
Highway safety research and development.....	27,081	26,800	26,450
Automotive fuel economy and consumer information.....	7,391	10,200	14,122
State and community highway safety:			
Appropriation.....		1,140	1,715
Contract authority.....	15,000	150,860	173,285
Total budget authority.....	91,284	231,700	257,745
Program level:			
Highway safety grant program.....	129,000	172,000	172,000
Basic grants.....	(114,000)	(157,000)	(172,000)
Incentive grants.....	(15,000)	(15,000)	(.....)
Traffic and highway safety.....	80,362	87,721	82,745
Gifts and donations.....	4	7	
Total program level.....	209,366	259,728	254,745
Outlays:			
Traffic and highway safety appropriation:			
Traffic and motor vehicle safety programs.....	37,668	50,720	40,235
Highway safety research and development.....	28,488	30,530	31,104
Automotive fuel economy and consumer information.....	4,588	5,000	7,000
Gifts and donations.....	4	7	
Subtotal outlays.....	70,748	86,257	78,339
State and community highway safety appropriation.....	97,811	120,000	168,000
Total outlays.....	168,559	206,257	246,339

Federal Funds

General and special funds:

TRAFFIC AND HIGHWAY SAFETY

For expenses necessary to discharge the functions of the Secretary with respect to traffic and highway safety and functions under the Motor Vehicle Information and Cost Savings Act (Public Law 92-513, as amended), [\$78,388,000] \$82,745,000, of which [\$26,220,000] \$26,450,000 shall be derived from the Highway Trust Fund: Provided, That not to exceed [\$33,927,000] \$37,875,000 shall remain available until expended, of which [\$7,841,000] \$8,077,000 shall be derived from the Highway Trust Fund. (80 Stat. 416; 86 Stat. 947; 88 Stat. 1470; 89 Stat. 901; 90 Stat. 815; 90 Stat. 981; Department of Transportation and Related Agencies Appropriation Act, 1978; additional authorizing legislation to be proposed.)

Program and Financing (in thousands of dollars)

Identification code 69-0650-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Rulemaking programs.....	6,947	8,165	7,174
2. Enforcement programs.....	9,540	10,886	9,522
3. Traffic safety programs.....	19,074	21,773	18,443
4. Research and analysis.....	31,812	37,244	32,112
5. General administration.....	10,879	12,701	11,114
Total program costs, funded.....	78,252	90,769	78,365
Change in selected resources (undelivered orders).....	3,972	1,454	10,284
10.00 Total obligations.....	82,224	92,223	88,649
Financing:			
Offsetting collections from:			
11.00 Federal funds.....	-712	-702	-500
13.00 Trust funds.....	-28,168	-32,358	-31,354
14.00 Non-Federal funds.....	-307	-500	-500
21.40 Unobligated balance available, start of year.....	-10,864	-5,763	-----
24.40 Unobligated balance available, end of year.....	5,763	-----	-----
25.40 Unobligated balance lapsing.....	1,267	-----	-----
Budget authority.....	49,203	52,900	56,295
Budget authority:			
40.00 Appropriation.....	49,203	52,168	56,295
44.20 Supplemental now requested for civilian pay raises.....	-----	732	-----
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	53,037	58,663	56,295
72.40 Obligated balance, start of year.....	24,880	33,109	36,052
74.40 Obligated balance, end of year.....	-33,109	-36,052	-45,112
77.40 Adjustments in expired accounts.....	-2,552	-----	-----
90.00 Outlays, excluding pay raise supplemental.....	42,256	55,050	47,173
91.20 Outlays from civilian pay raise supplemental.....	-----	670	62

Note.—Includes \$295 thousand in 1979 for activities previously financed from salaries and expenses, Office of the Secretary of Transportation. In 1977. (\$200 thousand); in 1978 (\$202 thousand).

1. *Rulemaking programs.*—Covers rulemaking activity relative to the promulgation of Federal motor vehicle safety standards for new and used motor vehicles, tires, and equipment; automotive fuel economy standards required by the Energy Policy and Conservation Act; and programs requiring economic bumpers withstanding low-speed collisions, automobile ratings, diagnostic inspection, and odometer regulation. The 1979 budget provides for historic development work on a methodology for rating cars for crash survivability and damageability.

2. *Enforcement programs.*—Provides for the enforcement of programs described under the rulemaking activity, including manufacturer compliance with motor vehicle safety and automotive fuel economy standards, investigation of safety related motor vehicle defects, and surveillance of odometer tampering.

3. *Traffic safety programs.*—This activity provides for headquarters and field staff to establish policy, program, and technical guidance to the States in executing highway safety programs to determine program effectiveness and to assure conformity with governing laws and regulations. Funding is also provided to carry out training and execution programs; and to conduct demonstration projects that will speed the implementation of new safety techniques into practice.

4. *Research and analysis.*—This activity provides for research and development in support of all NHTSA programs, including the collection and analysis of data to determine the relationship between motor vehicle and driver performance characteristics and crashes causing death or personal injury. Provision is also made for facilities required to furnish scientific and technical bases for motor vehicle standards, and to do limited compliance testing and defects investigation. The 1979 budget includes funds to continue the development of a national accident data collection program to improve problem identification, rulemaking support, and program evaluation activities.

5. *General administration.*—This activity provides for overall executive direction, coordination, and implementation of agency programs, except for mission-oriented support activities which are included in the respective program areas. Basic administrative and support requirements for all safety programs are also provided in this category.

Object Classification (in thousands of dollars)

Identification code 69-0650-0-1-401	1977 actual	1978 est.	1979 est.
Personnel compensation:			
11.1 Permanent positions.....	19,541	21,044	21,235
11.3 Positions other than permanent.....	764	600	600
11.5 Other personnel compensation.....	310	250	250
Total personnel compensation.....	20,615	21,894	22,085
12.1 Personnel benefits: Civilian.....	2,032	2,125	2,170
21.0 Travel and transportation of persons.....	931	1,026	1,029
22.0 Transportation of things.....	144	150	150
23.1 Standard level user charges.....	1,705	1,860	1,930
23.2 Communications, utilities, and other rent.....	1,013	1,050	1,050
24.0 Printing and reproduction.....	966	1,000	1,000
25.0 Other services.....	51,364	60,014	57,134
26.0 Supplies and materials.....	1,027	1,104	1,101
31.0 Equipment.....	1,929	2,000	1,000
32.0 Lands and structures.....	48	-----	-----
41.0 Grants, subsidies, and contributions.....	450	-----	-----
99.0 Total obligations.....	82,224	92,223	88,649

Personnel Summary

Total number of permanent positions.....	918	909	909
Full-time equivalent of other positions.....	53	53	53
Average paid employment.....	861	899	931
Average GS grade.....	10.94	10.97	10.97
Average GS salary.....	\$24,041	\$25,907	\$26,248

STATE AND COMMUNITY HIGHWAY SAFETY (LIQUIDATION OF CONTRACT AUTHORIZATION)*

*See Part III for additional information.

For payment of obligations incurred in carrying out the provisions of 23 U.S.C. 402 and 406, to remain available until expended, **[\$112,000,000]** \$168,000,000 to be derived from the Highway Trust Fund, and for necessary expenses in carrying out the provisions of 23 U.S.C. 402 and 406, **[\$1,140,000]** \$1,715,000, to remain available until expended. (80 Stat. 731; 90 Stat. 451, 452; Department of Transportation and Related Agencies Appropriation Act, 1978; additional authorizing legislation to be proposed.)

Program and Financing (in thousands of dollars)

Identification code 69-0651-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
State and community grants:			
1. Basic program.....	85,842	106,600	125,096
2. Incentive grants.....	8,653	10,100	8,000
3. Special programs.....	-----	-----	30,000
4. Administration of grant program.....	3,300	3,300	4,904
Total program costs, funded.....	97,795	120,000	168,000
Change in selected resources (undelivered orders).....	31,205	52,000	4,000
10.00 Total obligations.....	129,000	172,000	172,000
Financing:			
13.00 Offsetting collections from: Trust funds.....	-127,763	-170,860	-170,329
Unobligated balance available, start of year:			
21.40 Appropriation.....	-----	-865	-865
21.49 Contract authority.....	-3,307	-----	-----
22.49 Unobligated balance transferred from other accounts: Contract authority.....	-15	-----	-----
24.40 Unobligated balance available, end of year.....	865	865	909
25.40 Unobligated balance lapsing.....	1,220	-----	-----
Budget authority.....	-----	1,140	1,715
Budget authority:			
40.00 Appropriation.....	5,140	1,140	1,715
40.49 Portion applied to liquidate contract authority.....	-5,140	-----	-----
43.00 Appropriation (adjusted).....	-----	1,140	1,715
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	1,237	1,140	1,671
Obligated balance, start of year:			
72.40 Appropriation.....	2,796	3,597	2,637
72.49 Contract authority.....	963	-----	-----
74.40 Obligated balance, end of year.....	-3,597	-2,637	-2,308
90.00 Outlays.....	1,399	2,100	2,000

Status of Unfunded Contract Authority (in thousands of dollars)

Unfunded balance, start of year.....	4,270	-----	-----
Appropriation to liquidate contract authority.....	-5,140	-----	-----
Transfer from other account.....	15	-----	-----
Excess cash returned to Treasury.....	855	-----	-----
Unfunded balance, end of year.....	-----	-----	-----

Under the State and community highway safety program, Federal grants are provided to assist the States and their political subdivisions in the establishment and improvement of highway safety programs. A total of \$172 million is planned for NHTSA's highway safety programs in 1979, the same level as for 1978.

1. *Basic program.*—Funding for this part of the program is determined on the basis of statutory formula. Incorporated programs include driver licensing, motor vehicle registration, traffic records, police traffic services, driver education and schoolbus driver training. Individual

States are utilizing this funding in areas which have the greatest potential for achieving safety improvements and reducing traffic fatalities and accidents at the State and local level. Activities are centered largely in efforts that will: control the drinking driver; increase the intensity of traffic law enforcement; improve the quality and availability of emergency medical services; and improve program management. Total obligations for all encompassed activities, including Federal grant administration, are estimated at \$132 million for 1979.

2. *Incentive grants.*—No new obligations are projected for this program for 1979.

3. *Special programs.*—Pursuant to proposed legislation, beginning in 1979 funds will be specifically dedicated to programs of special importance, such as enforcement of the 55-mile-per-hour speed limit, based on criteria to be established by the Secretary. It is estimated that \$40 million will be obligated for 55-mile-per-hour enforcement in 1979.

Object Classification (in thousands of dollars)

Identification code 69-0651-0-1-401	1977 actual	1978 est.	1979 est.
25.0 Other services.....	3,300	3,300	4,904
41.0 Grants, subsidies, and contributions.....	125,700	168,700	167,096
99.0 Total obligations.....	129,000	172,000	172,000

Trust Funds

TRUST FUND SHARE OF HIGHWAY SAFETY PROGRAMS*

*See Part III for additional information.

Program and Financing (in thousands of dollars)

Identification code 69-8016-0-7-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. State and community grants.....			
2. Highway safety research and development.....			
Total program costs, funded.....	98,055	117,197	170,654
Change in selected resources (undelivered orders).....	27,617	29,058	26,450
10.00 Total obligations (object class 25.0).....	125,672	146,255	197,104
Financing:			
17.00 Recovery of prior year obligations.....	-292	-----	-----
Unobligated balance available, start of year:			
21.40 Appropriation.....	-2,502	-2,258	-----
21.49 Contract authority.....	-272,223	-159,445	-139,445
23.49 Unobligated balance transferred to other accounts.....	15	-----	-----
Unobligated balance available, end of year:			
24.40 Appropriation.....	2,258	-----	-----
24.49 Contract authority.....	159,445	139,445	142,401
Budget authority.....	42,081	177,660	199,735
Budget authority:			
Current:			
40.00 Appropriation.....	110,441	138,220	192,450
40.49 Portion applied to liquidate contract authority.....	-83,360	-112,000	-166,000
43.00 Appropriation (adjusted).....	27,081	26,220	26,450
44.20 Supplemental now requested for civilian pay raises.....	-----	580	-----
49.10 Contract authority.....	-----	-----	173,285
Permanent:			
69.10 Contract authority (90 Stat. 451,452).....	15,000	150,860	-----

TRUST FUND SHARE OF HIGHWAY SAFETY PROGRAMS—Continued

Program and Financing (in thousands of dollars)—Continued

Identification code 69-8016-0-7-401	1977 actual	1978 est.	1979 est.
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	155,088	199,918	196,779
Obligated balance, start of year:			
72.40 Appropriation.....	40,871	26,656	19,284
72.49 Contract authority.....	82,144	126,547	185,407
Obligated balance, end of year:			
74.40 Appropriation.....	-26,656	-19,284	-14,630
74.49 Contract authority.....	-126,547	-185,407	-189,736
90.00 Outlays, excluding pay raise supplemental.....	124,900	147,850	197,104
91.20 Outlays from civilian pay raise supplemental.....		580	
Status of Unfunded Contract Authority (in thousands of dollars)			
Unfunded balance, start of year.....	354,367	285,992	324,328
Contract authority.....	15,000	150,860	173,285
Supplemental.....		-524	
Transfer to other account.....	-15		
Appropriation to liquidate contract authority.....	-83,360	-112,000	-166,000
Unfunded balance, end of year.....	285,992	324,328	331,613

Funds are transferred to the Traffic and highway safety and State and community highway safety appropriations. Details are shown in the schedules for those accounts.

GIFTS AND DONATIONS

Program and Financing (in thousands of dollars)

Identification code 69-8548-0-7-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Youth organizations united toward highway safety.....	1		
2. Automotive safety education fund.....	3	7	
10.00 Total obligations (object class 25.0).....	4	7	
Financing:			
21.40 Unobligated balance available, start of year.....	-11	-7	
24.40 Unobligated balance available, end of year.....	7		
Budget authority.....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	4	7	
90.00 Outlays.....	4	7	

Donations received are available for transportation activities.

FEDERAL RAILROAD ADMINISTRATION

The following table, in millions of dollars, depicts the level of all Federal Railroad Administration programs, the details of which (with the exception of some loan guarantees) are in the budget schedules:

PROGRAM LEVEL	1977	1978	1979
Office of the Administrator.....	7	7	9
Railroad safety.....	20	20	24
Railroad research and development.....	53	54	56
Rail service assistance.....	86	82	87
Net increase in USRA obligations guaranteed.....	222	74	10
Northeast corridor improvement.....	200	400	455
Railroad rehabilitation and improvement:			
Purchase of redeemable preference shares.....	120	200	279
Loans guaranteed.....	12	144	350
Emergency Rail Service Act (loan guarantees).....	6	9	2
Alaska Railroad.....	6	3	3
Subtotal FRA.....	732	1,043	1,275
National Railroad Passenger Corp. (Amtrak) Grants.....	601	665	660
Total program.....	1,333	1,708	1,935

Federal Funds

General and special funds:

OFFICE OF THE ADMINISTRATOR*

*See Part III for additional information.

For necessary expenses of the Federal Railroad Administration, not otherwise provided for **[\$6,950,000]** \$9,215,000. (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-0700-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
10.00 General management and administration (program costs, funded—obligations).....	5,140	7,317	9,215
Financing:			
25.40 Unobligated balance lapsing.....	1,430		
Budget authority.....			
Budget authority:			
40.00 Appropriation.....	6,570	6,950	9,215
44.20 Supplemental now requested for civilian pay raises.....		367	
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	5,140	7,317	9,215
72.40 Obligated balance, start of year.....	984	663	673
74.40 Obligated balance, end of year.....	-663	-673	-1,488
77.40 Adjustments in expired accounts.....	-35		
90.00 Outlays, excluding pay raise supplemental.....	5,426	6,950	8,390
91.20 Outlays from civilian pay raise supplemental.....		357	10

This provides for salaries and related expenses of the immediate office of the Administrator and those staff offices providing general administrative support to the Federal Railroad Administration. Increased activity is expected in 1979 to oversee major analyses of Amtrak, ConRail, the Northeast corridor improvement program, and the rail industry in general.

Object Classification (in thousands of dollars)			
Identification code 69-0700-0-1-401	1977 actual	1978 est.	1979 est.
Personnel compensation:			
11.1 Permanent positions.....	3,330	4,314	4,700
11.3 Positions other than permanent.....	267	410	430
11.5 Other personnel compensation.....	60	107	100
Total personnel compensation.....	3,657	4,831	5,230
12.1 Personnel benefits: Civilian.....	330	476	520
21.0 Travel and transportation of persons.....	124	235	225
23.1 Standard level user charges.....	138	200	220
23.2 Communications, utilities, and other rent.....	155	440	450
24.0 Printing and reproduction.....	109	155	160
25.0 Other services.....	526	819	2,250
26.0 Supplies and materials.....	26	61	65
31.0 Equipment.....	75	100	95
99.0 Total obligations.....	5,140	7,317	9,215
Personnel Summary			
Total number of permanent positions.....	182	190	200
Full-time equivalent of other positions.....	29	30	31
Average paid employment.....	200	213	227
Average GS grade.....	11.21	11.19	11.09
Average GS salary.....	\$22,228	\$22,432	\$22,264
Average salary of ungraded positions.....	\$12,605	\$12,605	\$12,605

RAILROAD SAFETY

[(INCLUDING TRANSFER OF FUNDS)]

For necessary expenses in connection with railroad safety, not otherwise provided for, [\$19,100,000] \$24,155,000, of which [\$5,000,000] \$7,040,000 shall remain available until expended [; Provided, That the unobligated balances from "Grants-in-aid for railroad safety" shall be transferred to this appropriation]. (80 Stat. 931; 84 Stat. 971; Department of Transportation and Related Agencies Appropriation Act, 1978; additional authorizing legislation to be proposed.)

Program and Financing (in thousands of dollars)

Identification code 69-0702-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Safety inspection and administration.....	13,184	15,775	17,115
2. Automated track inspection program.....	3,079	6,922	5,100
3. Grants-in-aid for railroad safety.....	705	1,920	2,740
10.00 Total (costs—obligations).....	16,968	24,617	24,955
Financing:			
21.40 Unobligated balance available, start of year.....	-3,425	-5,642	-800
24.40 Unobligated balance available, end of year.....	5,642	800	-----
25.40 Unobligated balance lapsing.....	565	-----	-----
Budget authority.....	19,750	19,775	24,155
Budget authority:			
40.00 Appropriation.....	19,750	19,100	24,155
44.20 Supplemental now requested for civilian pay raises.....	-----	675	-----
Distribution of budget authority by account:			
Railroad safety.....	18,750	19,775	24,155
Grants-in-aid for railroad safety.....	1,000	-----	-----

Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	16,968	24,617	24,955
72.40 Obligated balance, start of year.....	5,942	6,075	9,392
74.40 Obligated balance, end of year.....	-6,075	-9,392	-8,996
77.40 Adjustments in expired accounts.....	-93	-----	-----
90.00 Outlays, excluding pay raise supplemental.....	16,742	20,640	25,336
91.20 Outlays from civilian pay raise supplemental.....	-----	660	15
Distribution of outlays by account:			
Railroad safety.....	16,375	21,300	25,351
Grants-in-aid for railroad safety.....	367	-----	-----

1. *Safety inspection and administration.*—The Federal Railroad Safety Act of 1970 provides that the Secretary of Transportation shall prescribe as necessary appropriate rules, regulations, orders, and standards for all areas of railroad safety. The principal objective under this program is to reduce accidents through effective investigation and enforcement of Federal railroad safety laws and regulations. The growth in this program in 1979 provides for 25 additional positions, increase in data processing activities, and continuation of the planning and evaluation activity for reviewing the effectiveness of those programs.

2. *Automated track inspection program.*—In 1979, funds are provided to procure a large track survey vehicle, for a total fleet of four large track survey vehicles and two highway-rail vehicles. Data from all surveys will provide railroads and track inspectors with information for monitoring track geometry and rail flaw defects.

3. *Grants-in-aid for railroad safety.*—Under the grants-in-aid program, States are assisted in paying salaries and expenses incurred for State safety inspectors authorized under section 206 of the Railroad Safety Act of 1970. In 1979, a threefold increase of State inspectors (to 100) is anticipated to aid the Federal Railroad Administration in enforcement of Federal safety standards.

Object Classification (in thousands of dollars)

Identification code 69-0702-0-1-401	1977 actual	1978 est.	1979 est.
Personnel compensation:			
11.1 Permanent positions.....	7,660	8,456	8,730
11.3 Positions other than permanent.....	178	214	225
11.5 Other personnel compensation.....	22	70	75
Total personnel compensation.....	7,860	8,740	9,030
12.1 Personnel benefits: Civilian.....	898	1,000	1,040
21.0 Travel and transportation of persons.....	1,325	1,720	1,870
22.0 Transportation of things.....	62	70	100
23.1 Standard level user charges.....	684	700	720
23.2 Communications, utilities, and other rent.....	223	1,250	1,370
24.0 Printing and reproduction.....	254	135	150
25.0 Other services.....	4,691	7,107	7,102
26.0 Supplies and materials.....	49	110	120
31.0 Equipment.....	217	1,865	713
41.0 Grants, subsidies, and contributions.....	705	1,920	2,740
99.0 Total obligations.....	16,968	24,617	24,955
Personnel Summary			
Total number of permanent positions.....	376	400	425
Full-time equivalent of other positions.....	13	15	16
Average paid employment.....	370	386	400
Average GS grade.....	11.05	11.11	11.10
Average GS salary.....	\$22,149	\$23,641	\$23,468

General and special funds—Continued

RAILROAD RESEARCH AND DEVELOPMENT

For necessary expenses for railroad research and development, **[\$53,600,000]** \$55,670,000, to remain available until expended: *Provided*, That there may be credited to this appropriation, funds received from State and local governments, other public authorities, private sources and foreign countries for expenses incurred for engineering, testing and development. (49 U.S.C. 1631 et seq.; 82 Stat. 424; 84 Stat. 915; Public Law No. 92-348; Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-0745-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. General railroad research and development.....	23,825	24,038	18,780
2. Safety research.....	5,293	7,915	7,370
3. Economics and policy research.....	10,930	20,193	7,950
4. Research and development facilities.....	15,635	17,900	15,950
5. Administration.....	7,591	5,936	5,620
Total direct program.....	63,274	75,982	55,670
Reimbursable program: General railroad research and development.....	665	1,500	1,500
10.00 Total obligations.....	63,939	77,482	57,170
Financing:			
Offsetting collections from:			
11.00 Federal funds.....	-782	-1,000	-1,000
14.00 Non-Federal sources.....		-500	-500
17.00 Recovery of prior year obligations.....	-4,644		
21.40 Unobligated balance available, start of year.....	-27,995	-22,382	
24.40 Unobligated balance available, end of year.....	22,382		
40.00 Budget authority (appropriation).....	52,900	53,600	55,670
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	58,513	75,982	55,670
72.40 Obligated balance, start of year.....	38,443	39,682	51,864
74.40 Obligated balance, end of year.....	-39,682	-51,864	-54,584
90.00 Outlays.....	57,274	63,800	52,950

1. *General railroad research and development.*—This provides for: (a) Freight service research and development, including equipment technology, classification yards, intermodal freight system technology, and the energy/environment and electrification programs; (b) passenger systems research and development including advanced technology and propulsion technology; and (c) track improvement research and test support.

2. *Safety research.*—This provides the research to improve rolling stock safety and grade crossings, and to study human factors involved in accidents.

3. *Economics and policy research.*—This provides for economic analysis of rail industry problems, freight car management, and national system restructuring studies, including statistical support.

4. *Research and development facilities.*—This provides for the operation and support of the Transportation Test Center, including services performed by the Federal Highway Administration, and for capital improvements at the Center.

5. *Administration.*—This provides salaries and expenses for research administration.

Object Classification (in thousands of dollars)

Identification code 69-0745-0-1-401	1977 actual	1978 est.	1979 est.
FEDERAL RAILROAD ADMINISTRATION			
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	3,306	3,450	3,600
11.3 Positions other than permanent.....	313	375	400
11.5 Other personnel compensation.....	30	35	40
Total personnel compensation.....	3,649	3,860	4,040
12.1 Personnel benefits: Civilian.....	362	375	400
13.0 Benefits for former personnel.....	15		
21.0 Travel and transportation of persons.....	255	376	390
22.0 Transportation of things.....	19	50	100
23.1 Standard level user charges.....	126	135	145
23.2 Communications, utilities, and other rent.....	370	385	390
24.0 Printing and reproduction.....	100	110	120
25.0 Other services.....	55,319	64,485	47,700
26.0 Supplies and materials.....	22	27	30
31.0 Equipment.....	305	2,500	1,755
32.0 Lands and structures.....	491		
41.0 Grants, subsidies, and contributions.....	513	2,987	
Total direct obligations.....	61,546	75,290	55,070
Reimbursable obligations:			
25.0 Other services.....	665	1,500	1,500
Total obligations, Federal Railroad Administration.....	62,211	76,790	56,570
ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION			
Personnel compensation:			
11.1 Permanent positions.....	252	257	223
11.3 Positions other than permanent.....	17	28	31
11.5 Other personnel compensation.....	2	4	5
Total personnel compensation.....	271	289	259
12.1 Personnel benefits: Civilian.....	25	28	24
21.0 Travel and transportation of persons.....	24	69	73
22.0 Transportation of things.....	6	49	49
23.2 Communications, utilities, and other rent.....	15	4	4
24.0 Printing and reproduction.....	6	4	4
25.0 Other services.....	22	240	179
26.0 Supplies and materials.....	1	5	5
31.0 Equipment.....		4	3
32.0 Lands and structures.....	1,358		
Total obligations, allocation to Federal Highway Administration.....	1,728	692	600
99.0 Total obligations.....	63,939	77,482	57,170

Personnel Summary

FEDERAL RAILROAD ADMINISTRATION			
Total number of permanent positions.....	161	162	178
Full-time equivalent of other positions.....	22	26	28
Average paid employment.....	175	186	204
Average GS grade.....	11.38	11.40	11.43
Average GS salary.....	\$23,858	\$26,375	\$26,084
ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION			
Total number of permanent positions.....	14	12	12
Full-time equivalent of other positions.....	2	2	2
Average paid employment.....	16	14	14
Average GS grade.....	8.83	8.83	8.83
Average GS salary.....	\$17,205	\$18,670	\$18,895

RAIL SERVICE ASSISTANCE*

*See Part III for additional information.

For necessary expenses for rail service assistance authorized by section 803 of Public Law 94-210, section 402 of Public Law 93-236 of the Department of Transportation Act as amended, and for necessary administrative expenses in connection with Federal rail assistance programs not otherwise provided for, \$74,000,000 \$76,610,000, together with \$3,500,000 for the programs authorized by section 11(c) (6) and (7) of the Department of Transportation Act, as amended, and \$4,000,000 \$10,600,000 for the Minority Business Resource Center, as authorized by section 906 of Public Law 94-210, to remain available until expended. (87 Stat. 985; Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-0122-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Rail service continuation subsidies	28,174	119,677	67,000
2. Washington Union Station model intermodal terminal	20	480	-----
3. Minority Business Resource Center	2,414	14,288	10,600
4. Loan guarantee default/payments of USRA obligations	880	-----	-----
5. Other administration	4,288	7,566	9,610
10.00 Total obligations	35,776	142,011	87,210
Financing:			
21.40 Unobligated balance available, start of year	-10,407	-60,511	-----
24.40 Unobligated balance available, end of year	60,511	-----	-----
Budget authority	85,880	81,500	87,210
Budget authority:			
40.00 Appropriation	83,000	81,500	87,210
42.00 Transferred from other accounts	2,000	-----	-----
43.00 Appropriation (adjusted)	85,000	81,500	87,210
47.10 Authority to borrow (Public Law 93-236)	880	-----	-----
Relation of obligations to outlays:			
71.00 Obligations incurred, net	35,776	142,011	87,210
72.40 Obligated balance, start of year	43,906	50,280	101,591
74.40 Obligated balance, end of year	-50,280	-101,591	-99,051
90.00 Outlays	29,402	90,700	89,750

The State rail assistance program, authorized by section 5 of the Department of Transportation Act as amended, is designed to provide financing assistance to States for rail planning and for: (1) rail service continuation payments; (2) the cost of purchasing a line of railroad or other rail properties for future rail service; (3) rehabilitating rail properties, and (4) providing substitute or alternate mode service in a manner less expensive than continuing rail service. The large carryover of funds in this area is due to unanticipated delays in the development of State rail plans during 1977.

Section 906 of the Railroad Revitalization and Regulatory Reform Act of 1976, as amended, authorizes the establishment of a Minority Business Resource Center to assist minority business firms, entrepreneurs, and venture groups in securing contracts and subcontracts arising out of the restructuring and revitalization of the Nation's railroads. The 1979 request includes administrative costs related to support positions.

The other administration program provides for the necessary salaries and related expenses of the Federal

Railroad Administration in support of Federal assistance programs, including, the Railroad rehabilitation and improvement financing accounts, grants to the National Railroad Passenger Corp. and the State grant portion of the Railroad safety appropriation; and for allocation positions to the Federal Highway Administration for audit services.

Object Classification (in thousands of dollars)

Identification code 69-0122-0-1-401	1977 actual	1978 est.	1979 est.
FEDERAL RAILROAD ADMINISTRATION			
Personnel compensation:			
11.1 Permanent positions	1,715	1,930	2,000
11.3 Positions other than permanent	208	220	120
11.5 Other personnel compensation	14	15	15
Total personnel compensation	1,937	2,165	2,135
12.1 Personnel benefits: Civilian	221	240	260
21.0 Travel and transportation of persons	164	188	200
22.0 Transportation of things	30	30	25
23.1 Standard level user charges	65	150	110
23.2 Communications, utilities, and other rent	102	70	55
24.0 Printing and reproduction	54	50	40
25.0 Other services	4,389	7,971	10,220
26.0 Supplies and materials	19	47	40
31.0 Equipment	112	181	175
33.0 Investments and loans	880	8,500	5,500
41.0 Grants, subsidies, and contributions	27,388	119,677	67,000
Total obligations, Federal Railroad Administration	35,361	139,269	85,760
ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION			
Personnel compensation:			
11.1 Permanent positions	352	1,422	350
11.3 Positions other than permanent	1	57	10
11.5 Other personnel compensation	-----	33	-----
Total personnel compensation	353	1,512	360
12.1 Personnel benefits: Civilian	38	253	82
21.0 Travel and transportation of persons	18	139	95
22.0 Transportation of things	5	39	15
24.0 Printing and reproduction	-----	2	-----
25.0 Other services	1	785	898
26.0 Supplies and materials	-----	4	-----
31.0 Equipment	-----	8	-----
Total obligations, allocation to Federal Highway Administration	415	2,742	1,450
99.0 Total obligations	35,776	142,011	87,210
Personnel Summary			
FEDERAL RAILROAD ADMINISTRATION			
Total number of permanent positions	84	94	94
Full-time equivalent of other positions	17	18	10
Average paid employment	97	106	103
Average GS grade	12.22	12.07	11.88
Average GS salary	\$26,519	\$27,259	\$26,073
ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION			
Total number of permanent positions	13	55	15
Full-time equivalent of other positions	0	6	1
Average paid employment	11	58	16
Average GS grade	14.20	12.10	12.00
Average GS salary	\$32,280	\$27,346	\$25,067

General and special funds—Continued

NORTHEAST CORRIDOR IMPROVEMENT PROGRAM

For necessary expenses related to Northeast Corridor improvements authorized by title VII of Public Law 94-210, as amended, [**\$400,000,000**] *\$455,000,000*, to remain available until expended. (87 Stat. 985; Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-0123-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Boston-New Haven.....	31,080	131,100	135,000
2. New Haven-New York.....	6,908	29,000	25,000
3. New York-Philadelphia.....	36,238	119,800	100,000
4. Philadelphia-Washington.....	39,874	115,100	156,400
5. Other.....	89,045	31,002	38,600
10.00 Total obligations.....	203,145	426,002	455,000
Financing:			
21.40 Unobligated balance available, start of year.....	-29,147	-26,002	-----
24.40 Unobligated balance available, end of year.....	26,002	-----	-----
40.00 Budget authority (appropriation).....	200,000	400,000	455,000
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	203,145	426,002	455,000
72.40 Obligated balance, start of year.....	20,845	141,498	377,500
74.40 Obligated balance, end of year.....	-141,498	-377,500	-422,500
90.00 Outlays.....	82,492	190,000	410,000

The Railroad Revitalization and Regulatory Reform Act of 1976, as amended, provides for the upgrading of rail passenger service between Boston, Mass., and Washington, D.C. Improvements to this Northeast corridor include improvements to the right-of-way, associated facilities, and installation of the necessary equipment for improved operations. This program will be conducted in four geographic segments:

Boston-New Haven.—This segment has the lowest level of ridership in the corridor. Work planned through 1979 will concentrate on restoring the deteriorated right-of-way. Heavy track work will continue and construction will be started on new roadbeds, bridges, and crossing separations.

New Haven-New York.—This is the third most heavily traveled segment. Detailed design will be completed for all activities, construction will be started for bridge repair and replacement, and safety-related fencing. Commuter agencies of New York and Connecticut are making major contributions to the rail improvements in this segment.

New York-Philadelphia.—This is the most heavily traveled segment with more than half of all the riders in the corridor. Detailed design will be nearly completed for all improvements contemplated. Heavy work will continue on tracks and maintenance facilities. Since commuter traffic is also heaviest in this segment, emphasis will be placed on integrating intercity improvements with the commuter service.

Philadelphia-Washington.—This segment is the second most heavily traveled portion of the corridor. When coupled with the New York-Philadelphia segment, it provides rail transport to the vast majority of rail passengers in the Northeast. The detailed designs for all contemplated improvements will be nearly complete. Work will start on route realignments, building and repair of bridges, and installing safety-related fencing, while heavy work on tracks and tunnels will continue.

Other.—Includes system engineering which provides for system modeling, standards, design and requirements criteria; and program management and administration which provides overall program planning, scheduling, monitoring, supervision, inspection, and evaluation.

FRA established the Northeast corridor project for the overall program planning of this program. Actual improvement work will be accomplished through commercial contractors, primarily the National Railroad Passenger Corporation. Salaries and related expenses of Federal employees are funded under this activity.

Object Classification (in thousands of dollars)

Identification code 69-0123-0-1-401	1977 actual	1978 est.	1979 est.
FEDERAL RAILROAD ADMINISTRATION			
Personnel compensation:			
11.1 Permanent positions.....	-----	-----	900
11.3 Positions other than permanent.....	-----	-----	130
11.5 Other personnel compensation.....	-----	-----	30
Total personnel compensation.....	-----	-----	1,060
12.1 Personnel benefits: Civilian.....	-----	-----	115
21.0 Travel and transportation of persons.....	-----	-----	70
22.0 Transportation of things.....	-----	-----	10
23.1 Standard level user charges.....	-----	-----	110
23.2 Communications, utilities, and other rent.....	-----	-----	25
24.0 Printing and reproduction.....	-----	-----	75
25.0 Other services.....	203,145	426,002	451,855
26.0 Supplies and materials.....	-----	-----	25
31.0 Equipment.....	-----	-----	55
Total obligations, Federal Railroad Administration.....	203,145	426,002	453,400
ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION			
Personnel compensation:			
11.1 Permanent positions.....	-----	-----	1,210
11.3 Positions other than permanent.....	-----	-----	60
11.5 Other personnel compensation.....	-----	-----	2
Total personnel compensation.....	-----	-----	1,272
12.1 Personnel benefits: Civilian.....	-----	-----	110
21.0 Travel and transportation of persons.....	-----	-----	110
22.0 Transportation of things.....	-----	-----	30
23.2 Communications, utilities, and other rents.....	-----	-----	5
24.0 Printing and reproduction.....	-----	-----	1
25.0 Other services.....	-----	-----	65
26.0 Supplies and materials.....	-----	-----	2
31.0 Equipment.....	-----	-----	5
Total obligations, allocation to Federal Highway Administration.....	-----	-----	1,600
99.0 Total obligations.....	203,145	426,002	455,000

Personnel Summary

FEDERAL RAILROAD ADMINISTRATION			
Total number of permanent positions.....	-----	-----	40
Full-time equivalent of other positions.....	-----	-----	10
Average paid employment.....	-----	-----	49
Average GS grade.....	-----	-----	12.37
Average GS salary.....	-----	-----	\$27,330
ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION			
Total number of permanent positions.....	-----	-----	43
Full-time equivalent of other positions.....	-----	-----	5
Average paid employment.....	-----	-----	48
Average GS grade.....	-----	-----	10.42
Average GS salary.....	-----	-----	\$25,814

RAILROAD TRANSPORTATION EMPLOYMENT AND IMPROVEMENT
Program and Financing (in thousands of dollars)

Identification code 69-0707-0-1-401	1977 actual	1978 est.	1979 est.
Financing:			
21.40 Unobligated balance available, start of year	-----	-----	-----
25.40 Unobligated balance lapsing	113,000	-----	-----
Budget authority	-----	-----	-----
Relation of obligations to outlays:			
71.00 Obligations incurred, net	-----	-----	-----
90.00 Outlays	-----	-----	-----

The Rail Transportation, Improvement and Employment Act of 1976 intended to use financial assistance for programs aimed at reducing unemployment and at repairing, rehabilitating, or improving roadbeds and facilities. These funds expired on December 31, 1976 since authorizing legislation was never passed.

GRANTS TO THE NATIONAL RAILROAD PASSENGER CORPORATION*

*See Part III for additional information.

To enable the Secretary of Transportation to make grants to the National Railroad Passenger Corporation, [\$646,500,000] \$660,000,000, to remain available until expended, of which not more than [\$488,500,000] \$510,000,000 shall be available for operating losses incurred by the Corporation, including payment of additional operating expenses of the Corporation, resulting from the operation, maintenance, and ownership or control of the Northeast Corridor pursuant to title VII of the Railroad Revitalization and Regulatory Reform Act of 1976, not more than [\$108,000,000] \$101,000,000 shall be available for capital improvements, not more than [\$25,000,000] \$24,000,000 shall be available for the fiscal year [1978] 1979 purchase payments for the Northeast Corridor, and not more than \$25,000,000 shall be available for the retirement of loan guarantees made pursuant to 45 U.S.C. 602: *Provided*, That none of the funds herein appropriated shall be used for the lease or purchase of passenger motor vehicles or for the hire of vehicle operators for any officer or employee, other than the President, of the National Railroad Passenger Corporation, excluding the lease of passenger motor vehicles for those officers or employees while in official travel status. (*Department of Transportation and Related Agencies Appropriation Act, 1978; additional authorizing legislation to be proposed.*)

Program and Financing (in thousands of dollars)

Identification code 69-0704-0-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Operating grants	482,600	488,500	510,000
2. Capital grants	220,031	108,000	101,000
3. Debt retirement	-----	25,000	25,000
4. Purchase of Northeast corridor	25,000	25,000	24,000
10.00 Total obligations (object class 41.0)	727,631	646,500	660,000
Financing:			
21.40 Unobligated balance available, start of year	126,931	-----	-----
40.00 Budget authority (appropriation)	600,700	646,500	660,000
Relation of obligations to outlays:			
71.00 Obligations incurred, net	727,631	646,500	660,000
72.40 Obligated balance, start of year	2,431	-----	-----
90.00 Outlays	730,062	646,500	660,000

The Rail Passenger Service Act of 1970, as amended, created the National Railroad Passenger Corporation (Amtrak), as a private, for-profit corporation. The Department of Transportation, in cooperation with Amtrak, is conducting a review of Amtrak's route system and will submit a report to the Congress by March 1, 1978. The results of this study are expected to influence the final subsidy level in 1979.

1. *Operating grants.*—The estimate of \$510 million continues the standard, which was established in 1978, for Federal assistance to the Corporation. Except for increases in taxes and interest, the proposed operating subsidy in 1979 is being held to the same level as in 1978.

2. *Capital grants.*—Amtrak had programed the full \$900 million in guaranteed loan funds by the end of 1977. By 1976, however, it had already become very doubtful that these loans could be repaid from Amtrak's operating revenues, and capital funding was shifted to a grant basis in that year. It is proposed to continue to fund capital improvements in 1979 with capital grants.

3. *Debt retirement.*—The 1979 program also proposes continuation of the systematic retirement of Amtrak's section 602 loans now held entirely by the Federal Financing Bank. The \$25 million proposed in 1979 would further reduce the available guaranteed loan funding to \$850 million.

4. *Purchase of Northeast corridor.*—Under the purchase agreement of March 23, 1976, between Amtrak and Con-Rail the installments for the Northeast corridor purchase should aggregate approximately \$24 million in 1979.

(In thousands of dollars)

	1977 actual	1978 estimate	1979 estimate
Operating grants	482,600	488,500	510,000
Capital grants	93,100	108,000	101,000
Purchase of Northeast corridor	25,000	25,000	24,000
Debt retirement	-----	25,000	25,000
Total Federal appropriations	600,700	646,500	660,000
Cumulative loan guarantees outstanding	(612,770)	(772,556)	(848,837)

EMERGENCY RAIL FACILITIES RESTORATION

Program and Financing (in thousands of dollars)

Identification code 69-0705-0-1-401	1977 actual	1978 est.	1979 est.
Relation of obligations to outlays:			
71.00 Obligations incurred, net	-----	-----	-----
72.40 Obligated balance, start of year	1,387	1,387	-----
74.40 Obligated balance, end of year	1,387	-----	-----
77.40 Adjustments in expired accounts	-----	1,387	-----
90.00 Outlays	-----	-----	-----

The Emergency Rail Facilities Restoration Act authorized the Secretary of Transportation to make loans for the purpose of restoring or replacing railroad facilities, equipment, or services damaged or destroyed as a result of the natural disasters which occurred during the month of June 1972.

The act provided that no loan application could be approved later than 8 months from the date of its enactment, which was October 27, 1972. Therefore, the program was terminated in 1974. In 1978, the unexpended balance will be returned to the general fund of the Treasury.

Public enterprise funds:

THE ALASKA RAILROAD

ALASKA RAILROAD REVOLVING FUND

The Alaska Railroad Revolving Fund shall continue available until expended for the work authorized by law, including operation and maintenance of oceangoing or coastwise vessels by ownership, charter, or arrangement with other branches of the Government service, for the purpose of providing additional facilities for transportation of freight, passengers, or mail, when deemed necessary for the benefit and development of industries or travel in the area served; and payment of compensation and expenses as authorized by 5 U.S.C. 8146, to be reimbursed as therein provided: *Provided*, That no employee shall be paid an annual salary out of said fund in excess of the salaries prescribed by the Classification Act of 1949, as amended, for grade GS-15, except the general manager of said railroad, one assistant general manager at not to exceed the salaries prescribed by said Act for GS-17, and five officers at not to exceed the salaries prescribed by said Act for grade GS-16.

PAYMENTS TO THE ALASKA RAILROAD REVOLVING FUND

For payment to the Alaska Railroad Revolving Fund for capital replacements, improvements, and maintenance, \$3,000,000, to remain available until expended. (*Department of Transportation and Related Agencies Appropriation Act, 1978.*)

Program and Financing (in thousands of dollars)

Identification code 69-4400-0-3-401	1977 actual	1978 est.	1979 est.
Program by activities:			
Operating and other costs, funded:			
1. Rail line operation program:			
(a) Operations.....	453	407	407
(b) Maintenance of way and structures.....	5,377	5,530	5,553
(c) Maintenance of equipment.....	7,129	6,835	6,864
(d) Traffic.....	344	321	321
(e) Transportation service.....	13,011	11,171	11,219
(f) Communications system operation and maintenance.....	483	495	495
(g) Incidental operations.....	2,126	1,873	1,873
(h) General and administrative expense.....	3,754	3,939	3,939
2. Other programs:			
(a) Riverboats and related facilities leased.....	51	-----	-----
(b) Other nonoperating expense.....	110	29	29
3. Other costs:			
(a) Adjustment of prior years' costs.....	-----	-----	-----
(b) Loss on excess current inventories.....	24	-----	-----
(c) Undistributed costs.....	-451	-----	-----
Total operating and other costs.....	32,411	30,600	30,700
Capital investment, funded:			
1. Rail line operation program:			
(a) Improvement of roadbed, track and structures....	3,448	1,252	900
(b) Maintenance.....	809	3,330	2,585
(c) Purchase and upgrading of equipment.....	4,059	220	715
(d) Nonprogramed outlay....	-----	798	500
Total capital outlay....	8,316	5,600	4,700
Total program costs, funded.....	40,727	36,200	35,400
Change in selected resources (supplies and undelivered orders).....	-73	-1,157	-1,231
10.00 Total obligations.....	40,654	35,043	34,169

Financing:			
14.00	Offsetting collections from: Non-Federal sources:		
	Rail line operation program:		
	Freight revenue.....	-28,483	-26,900
	Passenger revenue.....	-1,087	-1,100
	Other rail line revenue.....	-3,806	-2,870
	Other programs:		
	Riverboats and related facilities..	-168	-205
	Other nonoperating revenue.....	-1,477	-1,225
	Proceeds from sale of assets.....	-323	-----
	Change in long-term accounts receivable.....	32	-----
21.98	Unobligated balance available, start of year: Fund balance.....	-5,206	-5,864
24.98	Unobligated balance available, end of year: Fund balance.....	5,864	6,121
40.00	Budget authority (appropriation).....	6,000	3,000
	Relation of obligations to outlays:		
71.00	Obligations incurred, net.....	5,342	2,743
72.98	Obligated balance, start of year: Fund balance.....	6,511	4,344
74.98	Obligated balance, end of year: Fund balance.....	-4,344	-5,199
90.00	Outlays.....	7,509	1,888

The Alaska Railroad is operated by the Federal Government under the act of March 12, 1914 (38 Stat. 305), as a public enterprise activity of the Federal Railroad Administration.

Budget program.—The major activity of the rail line operation program is transportation service; the principal supporting activities are maintenance of way and structures and maintenance of equipment. Lease of real properties, riverboats, and related facilities round out the other operating programs.

Financing.—To the extent possible, programs are financed by revenues earned from freight and passenger services and other services incidental thereto. It is estimated that freight tonnages will decrease in 1978 and in 1979. This decline is due in part to reduced petroleum product freight haulage, as the result of a new oil products refinery coming onstream in Fairbanks. Also, there is a projected plateau in general business levels in Alaska until such time as other energy resources are developed; that is, natural gas and coal. Appropriated funds will be used to maintain equipment and facilities at a level needed for safe and efficient operations.

Revenue and Expense (in thousands of dollars)

	1977 actual	1978 est.	1979 est.
Rail line operation program:			
Revenue: Ordinary.....	33,376	30,870	30,880
Expense: Ordinary.....	-32,677	-30,571	-30,671
Net income or loss, rail line operation..	699	299	209
Other programs:			
Revenue.....	1,646	1,430	1,520
Expense: Ordinary.....	-161	-29	-29
Net income, other programs.....	1,485	1,401	1,491
Nonoperating income or loss:			
Loss on excess current inventories.....	-24	-----	-----
Undistributed costs.....	451	-----	-----
Net nonoperating income or loss.....	427	-----	-----
Net income or loss for the year.....	2,611	1,700	1,700

Financial Condition (in thousands of dollars)

	TQ actual	1977 actual	1978 est.	1979 est.
Assets:				
Fund balance with Treasury..	11,717	10,207	11,319	11,588
Accounts receivable (net).....	7,629	9,036	8,814	8,814
Advances made.....	25	27	27	27
Inventories.....	6,708	6,363	6,060	5,788
Real property and equipment (net).....	116,968	120,003	121,203	120,263
Other assets (net).....	5,484	6,334	7,641	8,043
Total assets.....	148,531	151,970	155,064	154,523
Liabilities:				
Accounts payable and funded accrued liabilities.....	5,626	4,636	6,350	6,350
Advances received.....	611	680	450	450
Total liabilities.....	6,237	5,316	6,800	6,800
Government equity:				
Unexpended budget authority:				
Unobligated balance.....	5,206	5,864	6,121	7,352
Undelivered orders.....	7,818	8,090	7,239	6,277
Invested capital.....	129,270	132,700	134,904	134,094
Total Government equity.....	142,294	146,654	148,264	147,723
Analysis of changes in Government equity:				
Paid-in capital:				
Opening balance.....		148,982	155,110	158,110
Transactions:				
Appropriation.....		6,000	3,000	3,000
Donated assets, net.....		128		
Closing balance.....		155,110	158,110	161,110
Retained income:				
Opening balance.....		-6,688	-8,457	-9,846
Net operating income or loss.....		-936	-1,389	-3,541
Applied to deferred maintenance.....		-809		
Net nonoperating income or loss.....		-24		
Closing balance.....		-8,457	-9,846	-13,387
Total Government equity (end of year).....		146,654	148,264	147,723

Object Classification (in thousands of dollars)

Identification code 69-4400-0-3-401	1977 actual	1978 est.	1979 est.
Personnel compensation:			
11.1 Permanent positions.....	19,926	18,050	18,500
11.3 Positions other than permanent.....	2,963	2,720	2,750
11.5 Other personnel compensation.....	976	980	1,000
Total personnel compensation.....	23,865	21,750	22,250
12.1 Personnel benefits: Civilian.....	2,554	2,360	2,500
13.0 Benefits for former personnel.....	1		
21.0 Travel and transportation of persons.....	199	200	200
22.0 Transportation of things.....	473	350	300
23.2 Communications, utilities, and other rent.....	1,380	1,490	1,500
25.0 Other services.....	3,775	3,390	3,890
26.0 Supplies and materials.....	3,860	4,000	4,000
31.0 Equipment.....	3,419	2,400	500
32.0 Lands and structures.....	1,120	160	160

42.0 Insurance claims and indemnities.....	81	100	100
Total costs, funded.....	40,727	36,200	35,400
94.0 Change in selected resources.....	-73	-1,157	-1,231
99.0 Total obligations.....	40,654	35,043	34,169

Personnel Summary

Total number of permanent positions.....	799	803	749
Full-time equivalent of other positions.....	147	102	110
Average paid employment.....	888	812	832
Average salary of ungraded positions.....	\$26,890	\$24,100	\$24,700

RAILROAD REHABILITATION AND IMPROVEMENT FINANCING FUNDS

[The] For payment of interest on fund anticipation notes sold to the Secretary of the Treasury pursuant to section 507 of the Railroad Revitalization and Regulatory Reform Act of 1976, as amended, \$18,920,000, to remain available until expended and the Secretary of Transportation is hereby authorized to expend proceeds from the sale of Fund anticipation notes to the Secretary of the Treasury and any other monies deposited in the Railroad Rehabilitation and Improvement Fund pursuant to sections 502, 505-507 and 509 of the Railroad Revitalization and Regulatory Reform Act of 1976 (Public Law 94-210), as amended, for the uses authorized for the Fund, in amounts not to exceed **[\$200,000,000]** \$260,000,000. The Secretary of Transportation is also authorized to issue to the Secretary of the Treasury notes or other obligations pursuant to section 512 of the Railroad Revitalization and Regulatory Reform Act of 1976 (Public Law 94-210), as amended, in such amounts and at such time as may be necessary to pay any amounts required pursuant to the guarantee not to exceed \$600,000,000 principal amount of obligations under sections 511 through 513 of such act, such authority to exist as long as any such guaranteed obligation is outstanding: *Provided*, That the aggregate principal amount of guarantees and commitments to guarantee obligations under section 511 of Public Law 94-210, as amended, shall not exceed \$600,000,000. (*Department of Transportation and Related Agencies Appropriation Act, 1978.*)

Program and Financing (in thousands of dollars)

Identification code 69-4411-0-3-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Purchase of redeemable preference shares.....	57,880	262,120	260,000
2. Interest on fund anticipation notes.....			18,920
10.00 Total costs—obligations.....	57,880	262,120	278,920
Financing:			
21.40 Unobligated balance available, start of year:			
Treasury balance.....		-61,960	
U.S. securities (par).....		-160	
24.40 Unobligated balance available, end of year:			
Treasury balance.....	61,960		
U.S. securities (par).....	160		
40.00 Budget authority (appropriation).....	120,000	200,000	278,920
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	57,880	262,120	278,920
72.40 Obligated balance, start of year.....		45,836	172,956
74.40 Obligated balance, end of year.....	-45,836	-172,956	-300,956
90.00 Outlays.....	12,044	135,000	150,920

Public enterprise funds—Continued

RAILROAD REHABILITATION AND IMPROVEMENT FINANCING
FUNDS—Continued

Section 509 of the Railroad Revitalization and Regulatory Reform Act of 1976, as amended, authorizes the Secretary of Treasury to purchase fund anticipation notes from the Secretary of Transportation. The Secretary of Transportation will use these funds to purchase redeemable preference shares from railroads to provide for capital needs critical to preserving essential rail freight services. Funds will be provided to railroads with the highest priority on projects effecting mergers and consolidations. Under the provisions of the act, repayments on the shares will not commence earlier than 6 years after purchase by the United States. Section 511 of Public Law 94-210, as amended, also authorizes obligation guarantee authority, for meeting the long-term needs of the railroads. Railroads utilize this funding mechanism to finance major new facilities and rehabilitation or consolidation of current facilities. The appropriation language provides for standby authority to issue notes in the event of default, up to the cumulative level of loans anticipated to be guaranteed through 1979.

Interest will be paid to the Treasury on fund anticipation notes issued under section 507 (b) on the cash drawn down against the notes issued. No net Federal outlays are involved.

Object Classification (in thousands of dollars)

Identification code 69-4411-0-3-401	1977 actual	1978 est.	1979 est.
33.0 Investments and loans.....	57,880	262,120	260,000
43.0 Interest and dividends.....			18,920
99.0 Total obligations.....	57,880	262,120	278,920

URBAN MASS TRANSPORTATION
ADMINISTRATION

Federal Funds

General and special funds:

URBAN MASS TRANSPORTATION FUND

For necessary administrative expenses of the urban mass transportation program authorized by the Urban Mass Transportation Act of 1964, as amended (49 U.S.C. 1601 et seq.); the Federal-Aid Highway Act of 1973 (Public Law 93-87) and the Federal-Aid Highway Act of 1976 (Public Law 94-280) in connection with the activities, including uniforms and allowances therefor, as authorized by law (5 U.S.C. 5901-5902); hire of passenger motor vehicles; and services as authorized by 5 U.S.C. 3109, \$21,400,000; and for an additional amount for the urban mass transportation program, as authorized by the Urban Mass Transportation Act of 1964, as amended, to remain available until expended, \$70,500,000: Provided, That \$68,000,000 shall be available for research, development and demonstrations, \$2,000,000 shall be available for university research and training and not to exceed \$500,000 shall be available for managerial training as authorized under the

authority of that Act. For necessary expenses to carry out the provisions of 23 U.S.C. 103(e)(4), for projects, to remain available until expended, \$200,000,000: Provided, That amounts for highway projects substituted for Interstate System segments shall be transferred to the Federal Highway Administration. For liquidation of contractual obligations incurred under authority of the Urban Mass Transportation Act of 1964, as amended, and 23 U.S.C. 142(c), and of obligations incurred for projects substituted for Interstate System segments withdrawn prior to enactment of the Federal-Aid Highway Act of 1976, \$1,850,000,000 to remain available until expended: Provided, That none of these funds shall be made available for the establishment of depreciation reserves or reserves for replacement accounts: Provided further, That amounts for highway projects substituted for Interstate System segments shall be transferred to the Federal Highway Administration.

【ADMINISTRATIVE EXPENSES】

【For necessary administrative expenses of the urban mass transportation program authorized by the Urban Mass Transportation Act of 1964 (49 U.S.C. 1601 et seq., as amended by Public Law 91-453 and Public Law 93-503); the Federal-Aid Highway Act of 1973 (Public Law 93-87) and the Federal-Aid Highway Act of 1976 (Public Law 94-280) in connection with the activities, including uniforms and allowances therefor, as authorized by law (5 U.S.C. 5901-5902); hire of passenger motor vehicle; and services as authorized by 5 U.S.C. 3109; \$20,000,000.】

【RESEARCH, DEVELOPMENT, AND DEMONSTRATIONS AND UNIVERSITY
RESEARCH AND TRAINING】

【For an additional amount for the urban mass transportation program, as authorized by the Urban Mass Transportation Act of 1964, as amended (49 U.S.C. 1601 et seq.) to remain available until expended; \$70,000,000: Provided, That \$67,500,000 shall be available for research, development, and demonstrations, \$2,000,000 shall be available for university research and training and not to exceed \$500,000 shall be available for managerial training as authorized under the authority of the said Act.】

【LIQUIDATION OF CONTRACT AUTHORIZATION】

【For payment to the urban mass transportation fund, for liquidation of contractual obligations incurred under authority of the Urban Mass Transportation Act of 1964 (49 U.S.C. 1601 et seq., as amended by Public Law 91-453 and Public Law 93-503) and 23 U.S.C. 142(c) and of obligations incurred for projects substituted for Interstate System segments withdrawn prior to enactment of the Federal-Aid Highway Act of 1976; \$1,756,000,000 to remain available until expended: Provided, That none of these funds shall be made available for the establishment of depreciation reserves or reserves for replacement accounts: Provided further, That amounts for highway projects substituted for Interstate System segments shall be transferred to the Federal Highway Administration.】

【RAIL SERVICE OPERATING PAYMENTS】

【For an additional payment to the Urban Mass Transportation Fund there is hereby appropriated to remain available until expended, for the purposes of the Urban Mass Transportation Act of 1964, as amended by Public Law 94-210, \$45,000,000.】

【PROJECTS SUBSTITUTED FOR INTERSTATE SYSTEM PROJECTS】

【For necessary expenses to carry out the provisions of 23 U.S.C. 103 (e)(4), to remain available until expended, \$439,000,000: Provided, That amounts for highway projects substituted for Interstate System segments shall be transferred to the Federal Highway Administration.】 (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)

Identification code 69-1119-0-1-401	Administrative commitments			Costs and obligations		
	1977 actual	1978 est.	1979 est.	1977 actual	1978 est.	1979 est.
Program by activities:						
Capital facilities grants ¹	1,250,000	1,400,000	1,400,000	² 854,526	952,000	1,277,500
Formula grants	621,619	775,000	850,000	541,800	674,250	760,000
Technical studies grants	43,192	55,000	55,000	33,424	42,350	51,000
Research, development and demonstrations, grants and contracts	58,873	67,500	68,000	52,346	60,750	64,500
Managerial training grants	500	500	500	385	385	400
University research and training grants	2,023	2,000	2,000	2,115	1,800	1,800
Administrative expenses	14,608	20,000	21,400	15,015	20,000	21,400
Subtotal	1,990,815	2,320,000	2,396,900	1,499,611	1,751,535	2,176,600
Interstate transfer grants	409,448	³ 789,000	³ 500,000	209,090	³ 500,000	³ 480,000
Fare free demonstrations	700			251	200	200
Commuter rail operating subsidies	5,521	45,000			45,000	
Subtotal	415,669	834,000	500,000	209,341	545,200	480,200
Total grants, contracts, loans and administrative expenses	2,406,484	3,154,000	2,896,900	1,708,952	2,296,735	2,656,800
Administrative commitments:						
Start of year	1,484,529	1,410,980	1,410,980			
End of year	-1,410,979	-1,410,980	-1,410,980			
Change in selected resources				771,082	857,265	240,100
10.00 Total capital investment, obligations	2,480,034	3,154,000	2,896,900	2,480,034	3,154,000	2,896,900
Financing:						
Offsetting collections from:						
11.00 Federal funds				-214		
Non-Federal sources:						
14.00 Loan repayments				-200	-103	-100
Revenue				-89		
17.00 Recovery of prior year obligations				-8,726		
Unobligated balance available, start of year:						
21.40 Appropriation:						
Committed				-155,411	-25,416	-180,411
Uncommitted				-89,642	-731,194	-354,927
21.49 Contract authority (unfunded):						
Committed				-1,329,118	-1,385,564	-1,230,569
Uncommitted				-10,069,097	-7,481,172	-5,187,539
Unobligated balance available, end of year:						
24.40 Appropriation:						
Committed				25,416	180,411	250,634
Uncommitted				731,194	354,927	437,022
24.49 Contract authority (unfunded):						
Committed				1,385,564	1,230,569	1,160,346
Uncommitted				7,481,172	5,187,539	2,408,644
25.00 Unobligated balance lapsing				4,118		
Budget authority				455,000	484,000	200,000
Budget authority:						
40.00 Appropriation				2,228,800	2,330,000	2,141,900
40.49 Appropriation to liquidate contract authority				-1,700,000	-1,756,000	-1,850,000
43.00 Appropriation (adjusted)				528,800	574,000	291,900
49.10 Reduction in unobligated contract authority (Public Law 91-453)				-73,800	-90,000	-91,900
Relation of obligations to outlays:						
71.00 Obligations incurred, net				2,470,805	3,153,900	2,896,800
Obligated balance, start of year:						
72.40 Appropriation				143,357	151,691	727,963
72.49 Contract authority (unfunded)				2,102,211	2,855,772	3,458,400
Obligated balance, end of year:						
74.40 Appropriation				-151,691	-727,963	-467,545
74.49 Contract authority (unfunded)				-2,855,772	-3,458,400	-4,365,618
90.00 Outlays				1,708,910	1,975,000	2,250,000

¹ Excludes transit grants of \$42 million in 1977, \$25 million in 1978 and \$39 million in 1979, funded under Federal Aid Highways.² Includes \$5,339 thousand of transit obligations from Federal-Aid Highways.³ Approximately \$100 million applied to highway projects.

General and special funds—Continued

URBAN MASS TRANSPORTATION FUND—Continued

Status of Unfunded Contract Authority (in thousands of dollars)

	1977 actual	1978 est.	1979 est.
Unfunded balance, start of year.....	13,500,426	11,722,508	9,876,508
Reduction pursuant to 49 U.S.C. 1604....	-73,800	-90,000	-91,900
Unfunded balance lapsing.....	-4,118		
Appropriation to liquidate contract authority.....	-1,700,000	-1,756,000	-1,850,000
Unfunded balance, end of year.....	11,722,508	9,876,508	7,934,608

This fund was established to finance all capital and operating assistance grants, contracts, and loan activities authorized by the Urban Mass Transportation Act of 1964, as amended. The capital and operating assistance grants and technical studies activities are financed by the authority to obligate in advance of appropriations. Other activities and administrative expenses are funded through appropriations, with such appropriations being accounted for within the available contract authority.

The administration is proposing a major highway and transit authorization bill in 1978 which will substantially modify the programs described below. That bill's program and budgetary effect on transit is presented on page 716 of this Appendix.

Capital investment outlay.—Capital facilities grants.—Pursuant to section 3 of the act, grants are made to State and local public agencies to assist in financing acquisition, construction, reconstruction, and improvement of facilities of mass transportation service in urban areas. In 1979, the activity level will be \$1.4 billion in capital grants.

The \$1.4 billion level in 1979 is estimated to fund 260 new projects. This compares with an activity level of \$1.4 billion in 1978 for an estimated 245 projects and \$1.3 billion in 1977 for 228 projects.

Formula grants.—Pursuant to section 5 of the act (amended by section 103 of the National Mass Transportation Assistance Act of 1974), grants can be made to urbanized areas or parts thereof on the basis of a formula for the acquisition, construction, and improvement of facilities and equipment, and the payment of operating expenses.

In 1979, the activity level will be \$0.9 billion. This is estimated to fund 385 projects, and compares with an activity level of \$0.8 billion in 1978 with an estimated 350 projects, and \$0.6 billion in 1977 with 453 projects.

Technical studies grants.—Pursuant to section 9 of the act, State and local public agencies are assisted in carrying out studies relating to management operations, capital requirements, economic feasibility, and conducting similar activities in preparation for the construction, acquisition, or improved operating of mass transportation systems, facilities, and equipment. Regional transportation plans are also developed with these grants.

In 1979, the activity level will be \$55.0 million with an estimated 325 grant recipients. The activity level compares with \$55.0 million in 1978 and an estimated 300 projects, and \$43.2 million in 1977 for 286 projects.

Research, development, and demonstration grants and contracts.—This activity—conducted under section 6 of the act—involves projects designed for the development, testing, and demonstration of new facilities equipment techniques (operations and managerial), and methods

which assist in reducing urban transportation needs, in improving mass transportation services, and/or in meeting total urban transportation needs at an effective cost level.

In 1979, the activity level will be \$68.0 million with an estimated 240 projects. This compares with \$67.5 million in 1978 with an estimated 225 projects, and \$58.9 million in 1977 with 223 projects.

Managerial training.—Grants under this activity—authorized in section 10 of the act—are made to public bodies to provide university fellowships for up to 1 year of advanced training. Fellowship awards are made for the training of personnel employed in managerial, technical, and professional positions in the urban mass transportation field.

In 1979, the activity level will be \$0.5 million with an estimated 100 fellowships. This compares with \$0.5 million in 1978 and \$0.5 million in 1977, with 100 fellowships in 1978 and 83 in 1977.

University research and training.—Grants under this activity—authorized in section 11 of the act—are awarded to public and private nonprofit institutions of higher learning. The grants are to assist in establishing or continuing programs which combine professional training in urban transportation and related fields.

In 1979, the activity level will be \$2.0 million with an estimated 35 projects, which compares with \$2.0 million in 1978 with 35 projects and \$2.0 million in 1977 with 34 projects.

Administrative expenses.—This activity provides for carrying out administrative functions, including executive direction, budgeting, accounting, management information, procurement, property management, and personnel management. The administrative expenses activity will be conducted at a \$21.4 million level in 1979. This compares to \$20.0 million in 1978, and \$14.6 million in 1977.

Capital facilities loans.—Under this activity, two types of loans are available. Capital improvement loans finance the acquisition, construction, reconstruction, and improvement of facilities and equipment. Loans are also provided for the advance acquisition of real property for planned mass transportation systems. This activity has such a low volume of approvals, no estimate is made for new loan commitments.

Interstate transfers.—Grants under this activity are authorized by the 1973 Highway Act. States and localities may cancel plans for unneeded interstate highway segments and transfer authorized funds to transit or highway projects. In 1979, an estimated \$400 million in transit projects and \$100 million in highway projects will be assisted under the provision of 23 U.S.C. 103(e)(4), compared to an estimated \$689 and \$100 million in 1978 for transit and highway projects, respectively. No funds have been requested for Washington, D.C., pending completion of the analysis of alternatives.

Urban systems.—23 U.S.C. 142(e) authorizes use of urban systems authorities in assisting transit projects as substitutions have been made for highway efforts. Use is based on local decisions. The estimate for 1979 is \$39.0 and 1978 is \$25.0 million. Administrative commitments for this activity are accounted for within the FHWA budget.

Commuter rail operating subsidies.—Pursuant to section 17 of the act (authorized by the Railroad Revitalization and Regulatory Reform Act of 1976), emergency operating assistance grants are made to absorb a portion of such additional costs of providing rail passenger service resulting from the conveyance of rail properties and service

obligations to the Consolidated Rail Corporation (Con-Rail) and other eligible recipients.

For 1979, the administration's new highway and transit bill proposes an enlarged program of formula-based assistance for all facets of public transit in urban areas. This will make this separate program for commuter rail operating subsidies unnecessary.

There follows a series of schedules reflecting usage of authorities made available to the Urban Mass Transportation Administration (in millions of dollars).

ANALYSIS OF AUTHORITY FROM 23 U.S.C. 103(c)(4) AND 142(c)

	1977 actual	1978 estimate	1979 estimate
Total withdrawals:			
Balance start of year.....	2,120.1	1,340.1	2,836.1
Current year withdrawals.....	1,149.2	435.0	700.0
Total.....	3,269.2	3,836.1	4,536.1

¹ Increase due to escalation index.
² Escalation index not known, not included.

INTERSTATE CONTRACT AUTHORITY

Cumulative approvals, start of period...	1,371.2	1,388.3	1,738.3
Current year approvals.....	17.1	350.0	300.0
Total (end of year).....	1,388.3	1,738.3	2,038.3

INTERSTATE CASH AUTHORITY

	1977 actual	1978 estimate	1979 estimate
Available balance, start of period....	75.4	83.1	---
Appropriated.....	400.0	439.0	200.0
Approval.....	-392.3	-522.1	-200.0
Available balance, end of year....	83.1	---	---

URBAN SYSTEMS AUTHORITY

Urban systems substitutions:			
Cumulative approvals, start of period...	48.4	90.4	115.4
Current year approvals.....	142.0	125.0	139.0
Total, end of year.....	90.4	115.4	154.4

¹ To be incurred in Federal Highway Administration accounts.

Revenue and Expense (in thousands of dollars)

	1977 actual	1978 est.	1979 est.
Revenue.....	1,267	100	100
Expense.....	-14,743	-20,000	-21,400
Net income or loss for period.....	-13,476	-19,900	-21,300

Financial Condition (in thousands of dollars)

	TQ actual	1977 actual	1978 est.	1979 est.
Assets:				
Fund balance with Treasury.....	388,411	908,301	1,263,301	1,155,201
Accounts receivable, (net).....	1,268	4,661	5,900	6,000
Advances made.....	2,857	34	35	36
Loans receivable (net).....	24,118	47,297	48,000	48,000
Real property and equipment (net).....	8,246	8,251	9,000	9,500
Total assets.....	424,900	968,544	1,326,236	1,218,737
Liabilities:				
Accounts payable including funded accrued liabilities.....	470,717	471,237	598,578	348,437
Unfunded liabilities.....	580	680	750	800
Total liabilities.....	471,297	471,917	599,328	349,237

Government equity:

Unexpended budget authority:				
Uncommitted balance	10,158,739	8,212,365	4,975,265	2,078,365
Unobligated commitments and undelivered orders.....	3,263,507	3,951,903	4,751,051	4,571,743
Unfinanced budget authority:				
Contract authority.....	-13,500,426	-11,722,508	-9,876,508	-7,934,608
Invested capital.....	31,784	54,867	877,100	2,154,000
Total Government equity.....	-46,397	496,627	726,908	869,500

Analysis of changes in Government equity:

Paid-in capital:				
Opening balance.....		-46,397	496,627	726,908
Transactions:				
Appropriations.....	2,228,800	2,330,000	2,140,500	
Closing balance.....	2,182,403	2,826,627	2,867,408	
Deficit:				
Ordinary.....		-11,426	-20,787	-19,759
Extraordinary.....		-1,674,350	-2,078,932	-1,978,149
Closing balance.....		-1,685,776	-2,099,719	-1,997,908
Total Government equity (end of period).....		496,627	726,908	869,500

Object Classification (in thousands of dollars)

Identification code 69-1119-0-1-401	1977 actual	1978 est.	1979 est.
Personnel compensation:			
11.1 Permanent positions.....	9,614	12,782	15,176
11.3 Positions other than permanent.....	343	420	498
11.5 Other personnel compensation.....	121	148	176
Total personnel compensation.....	10,078	13,350	15,850
12.1 Personnel benefits: Civilian.....	958	1,000	1,200
21.0 Travel and transportation of persons.....	683	1,300	1,700
22.0 Transportation of things.....	36	350	250
23.1 Standard level user charges.....	825	1,012	1,158
23.2 Communications, utilities, and other rent.....	484	488	542
24.0 Printing and reproduction.....	22	50	55
25.0 Other services.....	37,779	45,900	48,700
26.0 Supplies and materials.....	86	100	135
31.0 Equipment.....	63	100	110
41.0 Grants, subsidies, and contributions.....	2,429,020	3,090,350	2,827,200
99.0 Total obligations.....	2,480,034	3,154,000	2,896,900

Personnel Summary

Total number of permanent positions.....	505	557	607
Full-time equivalent of other positions.....	15	15	15
Average paid employment.....	459	518	568
Average GS grade.....	10.21	10.21	10.21
Average GS salary.....	\$20,446	\$21,817	\$21,846

SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION

Federal Funds

Public enterprise funds:

SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION

The Saint Lawrence Seaway Development Corporation is hereby authorized to make such expenditures, within the limits of funds and borrowing authority available to such Corporation, and in accord with law, and to make such contracts and commitments without regard to fiscal year limitations as provided by section 104 of the Government Corporation Control Act, as amended, as may be necessary in carrying out the programs set forth in the budget

Public enterprise funds—Continued

SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION—Continued

for the current fiscal year for the Corporation except as hereinafter provided. (Department of Transportation and Related Agencies Appropriation Act, 1978.)

Program and Financing (in thousands of dollars)			
Identification code 69-4089-0-3-403	1977 actual	1978 est.	1979 est.
Program by activities:			
Operating costs, funded:			
1. Administrative expenses (limitation).....	1,023	1,179	1,280
2. Operations.....	4,169	4,533	4,992
Total operating costs, funded.....	5,192	5,712	6,272
Replacements and improvements.....	947	1,202	1,764
Total program costs, funded.....	6,139	6,914	8,036
Change in selected resources (undelivered orders).....	303	-----	-----
10.00 Total obligations.....	6,442	6,914	8,036
Financing:			
14.00 Offsetting collections from: Non-Federal sources:			
Revenue.....	-7,744	-8,400	-9,500
Proceeds from sale of equipment (40 U.S.C. 481(c)).....	-----	-30	-----
Unobligated balance available, start of year:			
21.47 Authority to borrow.....	-6,200	-6,200	-6,200
21.98 Fund balance.....	-3,677	-2,979	-3,495
Unobligated balance available, end of year:			
24.47 Authority to borrow.....	6,200	6,200	6,200
24.98 Fund balance.....	2,979	3,495	3,459
27.00 Capital transfer to general fund.....	2,000	1,000	1,500
Budget authority.....	-----	-----	-----
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	-1,302	-1,516	-1,464
72.98 Obligated balance, start of year: Fund balance.....	1,725	1,707	1,427
74.98 Obligated balance, end of year: Fund balance.....	-1,707	-1,427	-1,427
90.00 Outlays.....	-1,284	-1,236	-1,464

The continuing overall goal of the Saint Lawrence Seaway Development Corporation is to keep the St. Lawrence Seaway system a safe, reliable, and efficient transportation artery. The Corporation is continuing to interface with a multitude of diverse interests that share the common goal of expanding commerce on the Great Lakes/St. Lawrence Seaway system. In 1979, the Corporation will continue to operate and maintain the U.S. part of the seaway and pursue programs to increase the efficiency of the system by continuing efforts to: (1) extend the navigation season, (2) work closely with current and potential seaway shippers, Great Lakes ports and other organizations, (3) encourage increased use of the seaway system, and (4) maintain and improve our lock facilities and lock approach channels. As in the past years, we will also carry on with our winter lock maintenance program. The Saint Lawrence Seaway Development Corporation's 1979 budget reflects these objectives:

1. *Administrative expenses (limitation).*—This program provides for management and administration of the Corporation, and includes finance, legal, civil rights, procurement, personnel administration, and other related support services.

2. *Operations.*—This program provides for operation of all facilities and for planning and development activities. Operations are conducted on a 24-hour day, 7-day week

basis throughout the navigation season with maintenance functions being performed throughout the year. Some major maintenance items are necessarily deferred to the non-navigation season when both operations and maintenance forces are utilized for their accomplishment.

Replacements and improvements.—This program provides for capital investments such as purchase and installation of visibility measurement equipment, navigation aid replacement and construction, ice control improvements, season extension projects and building, plant, and equipment replacements.

The Corporation and the Saint Lawrence Seaway Authority of Canada have reached agreement on a revised joint seaway tariff of tolls. The agreement which remains to be formalized provides for increases to be phased in over 3 years beginning with the 1978 navigation season. Under the new tariff agreement, the Corporation's share of revenue generated on the Montreal/Lake Ontario section will be 29% rather than 27% as has been the case since 1967. The Corporation projects its revenues will be about \$9.5 million in 1979, which it proposes to apply as follows:

1. \$6.3 million to pay operating expenses consisting of \$1.3 million for administrative expenses (subject to limitation) and \$5.0 million for operations.

2. \$1.7 million estimated for the funded depreciation account from which replacement and improvement costs will be paid.

3. \$1.5 million for redemption of Corporation revenue bonds issued to the U.S. Treasury.

Revenue and Expense (in thousands of dollars)			
	1977 actual	1978 est.	1979 est.
Operating income or loss:			
Operating program:			
Revenue:			
Shipping tolls.....	7,306	8,180	9,280
Other.....	438	220	220
Total revenue.....	7,744	8,400	9,500
Expense:			
Administrative.....	1,023	1,179	1,280
Operations.....	4,169	4,533	4,992
Total expense.....	5,192	5,712	6,272
Net operating income.....	2,552	2,688	3,228
Nonoperating income or loss:			
Proceeds from sale of equipment.....	-----	30	-----
Net book value of assets sold.....	-----	-30	-----
Net gain from sale of equipment.....	-----	-----	-----
Provision for depreciation and losses.....	1,754	1,726	1,764
Net nonoperating loss.....	1,754	1,726	1,764
Net income or loss for the year.....	798	962	1,464

Financial Condition (in thousands of dollars)				
	TQ actual	1977 actual	1978 est.	1979 est.
Assets:				
Fund balance with Treasury..	5,402	4,686	4,922	4,886
Accounts receivable, net.....	895	488	488	488
Accrued tolls, receivable unbilled.....	350	220	220	220
Selected assets, supplies.....	234	249	249	249
Fixed assets, net.....	103,014	102,178	101,623	101,623
Total assets.....	109,895	107,821	107,502	107,466

Liabilities:

Accounts payable including funded accrued liabilities.....	2,044	1,172	891	891
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Government equity:

Unexpended budget authority:				
Unobligated balance.....	9,877	9,179	9,695	9,659
Undelivered orders.....	926	1,244	1,244	1,244
Unfinanced budget authority:				
Borrowing authority.....	-6,200	-6,200	-6,200	-6,200
Invested capital.....	103,248	102,426	101,872	101,872
Total Government equity.....	107,851	106,649	106,611	106,575

Analysis of changes in Government equity:

Paid-in capital:

Opening balance.....	118,476	116,476	115,476
Repayment of borrowings from Treasury.....	-2,000	-1,000	-1,500
Closing balance.....	116,476	115,476	113,976

Deficit:

Opening balance.....	-10,625	-9,827	-8,865
Net income or loss (-).....	798	962	-1,464
Closing balance.....	-9,827	-8,865	-7,401

Total Government equity (end of year).....

	106,649	106,611	106,575
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Object Classification (in thousands of dollars)

Identification code 69-4089-0-3-403	1977 actual	1978 est.	1979 est.
Personnel compensation:			
11.1 Permanent positions.....	2,515	2,760	3,027
11.3 Positions other than permanent.....	238	267	292
11.5 Other personnel compensation.....	192	211	232
11.8 Special personal services payments.....	6	7	8
Total personnel compensation.....	2,951	3,245	3,559
12.1 Personnel benefits: Civilian.....	283	320	351
21.0 Travel and transportation of persons.....	58	57	60
22.0 Transportation of things.....	5	5	5
23.1 Standard level user charges.....	26	34	35
23.2 Communications, utilities, and other rent.....	152	153	162
24.0 Printing and reproduction.....	5	5	7
25.0 Other services.....	441	598	658
26.0 Supplies and materials.....	491	655	720
31.0 Equipment.....	340	203	364
32.0 Lands and structures.....	357	450	825
41.0 Grants, subsidies, and contributions.....	7	10	10
93.0 Administrative expenses (see separate schedule).....	1,023	1,179	1,280
94.0 Change in selected resources.....	303		
99.0 Total obligations.....	6,442	6,914	8,036

Personnel Summary

Total number of permanent positions.....	157	157	157
Full-time equivalent of other positions.....	10	13	13
Average paid employment.....	160	165	165
Average GS grade.....	10.69	10.82	10.82
Average GS salary.....	\$19,895	\$21,516	\$21,946
Average wage-board salary.....	\$14,204	\$15,624	\$17,186

LIMITATION ON ADMINISTRATIVE EXPENSES, SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION

Not to exceed **[\$1,114,000]** \$1,280,000 shall be available for administrative expenses which shall be computed on an accrual basis, including not to exceed \$3,000 for official entertainment expenses to be expended upon the approval or authority of the Secretary of Transportation: *Provided*, That Corporation funds

shall be available for the hire of passenger motor vehicles and aircraft, operation and maintenance of aircraft, uniforms or allowances therefor for operation and maintenance personnel, as authorized by law (5 U.S.C. 5901-5902), and \$15,000 for services as authorized by 5 U.S.C. 3109. (*Department of Transportation and Related Agencies Appropriation Act, 1978.*)

Program and Financing (in thousands of dollars)

	1977 actual	1978 est.	1979 est.
Program by activities:			
Administration (total accrued expenses— costs).....	1,023	1,179	1,280
Financing:			
Unobligated balance lapsing.....	5		
Limitation.....	1,028	1,114	1,280
Supplemental for pay increases.....		65	

Object Classification (in thousands of dollars)

Identification code 69-4089-0-3-403	1977 actual	1978 est.	1979 est.
Personnel compensation:			
11.1 Permanent positions.....	671	777	812
11.3 Positions other than permanent.....	15	20	26
11.8 Special personal services payments.....	10	12	14
Total personnel compensation.....	696	809	852
12.1 Personnel benefits: Civilian.....	66	79	84
21.0 Travel and transportation of persons.....	41	44	53
22.0 Transportation of things.....	1		
23.1 Standard level user charges.....	18	24	25
23.2 Communications, utilities, and other rent.....	61	70	86
24.0 Printing and reproduction.....	13	15	27
25.0 Other services.....	108	113	117
26.0 Supplies and materials.....	19	25	36
93.0 Administrative expenses included in schedule for fund as a whole.....	-1,023	-1,179	-1,280
99.0 Total obligations.....			

Personnel Summary

Total number of permanent positions.....	36	37	37
Full-time equivalent of other positions.....	3	4	4
Average paid employment.....	38	40	40
Average GS grade.....	9.17	9.00	9.00
Average GS salary.....	\$19,288	\$20,278	\$20,684
Average wage-board salary.....	\$11,585	\$12,744	\$14,018

[MATERIALS TRANSPORTATION BUREAU] RESEARCH AND SPECIAL PROGRAMS DIRECTORATE

Federal Funds

General and special funds:

[MATERIALS TRANSPORTATION PROGRAM] RESEARCH AND SPECIAL PROGRAMS*

*See Part III for additional information.

For expenses necessary to discharge the functions of the [Materials Transportation Bureau] *Research and Special Programs Directorate*, **[\$8,100,000]** \$24,420,000 of which not to exceed **[\$900,000]** \$10,910,000 shall remain available until expended for expenses for conducting research and development; of which not to exceed **[\$2,400,000]** \$2,840,000 shall remain available until expended for grants-in-aid to carry out a pipeline safety program, as authorized by section 5 of the National Gas Pipeline Safety Act of 1968 (49 U.S.C. 1674). (*Department of Transportation and Related Agencies Appropriation Act, 1978; additional authorizing legislation has been proposed for \$10,834,000.*)

General and special funds—Continued

[MATERIALS TRANSPORTATION PROGRAM] RESEARCH AND
SPECIAL PROGRAMS—Continued

Program and Financing (in thousands of dollars)			
Identification code 69-0104-0-1-407	1977 actual	1978 est.	1979 est.
Program by activities:			
Operations.....		5,013	10,670
Research and development.....		900	10,910
Grants.....	1,765	2,446	2,840
Total program costs, funded.....	1,765	8,359	24,420
Change in selected resources (unde- livered orders).....	535		
Total direct obligations.....	2,300	8,359	24,420
Reimbursable program (costs—obli- gations).....			1,000
10.00 Total obligations.....	2,300	8,359	25,420
Financing:			
11.00 Offsetting collections from: Federal funds.....			-1,000
17.00 Recovery of prior year obligations.....	-41		
21.40 Unobligated balance available, start of year.....	-55	-46	
24.40 Unobligated balance available, end of year.....	46		
Budget authority.....	2,250	8,313	24,420
Budget authority:			
40.00 Appropriation.....	2,250	8,100	24,420
44.20 Supplemental now requested for ci- vilian pay raises.....		213	
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	2,259	8,359	24,420
72.40 Obligated balance, start of year.....	1,156	1,691	2,188
74.40 Obligated balance, end of year.....	-1,691	-2,188	-7,308
90.00 Outlays, excluding pay raise sup- plemental.....	1,725	7,659	19,290
91.20 Outlays from civilian pay raise supplemental.....		203	10
Note.—Includes \$13,586 thousand in 1979 for activities previously financed from:			
	1977	1978	
Salaries and expenses, OST.....	\$3,035	\$3,480	
Transportation planning, research and development, OST.....	\$8,165	\$9,460	

This appropriation finances all costs of the Research and Special Programs Directorate, established September 23, 1977. This organization includes the activities of the former Materials Transportation Bureau and selected line functions formerly in the Office of the Secretary. Its mission is to insure the safe transportation of dangerous or hazardous cargoes in commerce and to carry out special programs and research and development activities which are more effectively and appropriately conducted in an organization separate from the Office of the Secretary and the existing operating administrations. Responsibilities of the Directorate are carried out under the following activities:

Operations.—This activity provides for the expenses for central supervisory and management functions necessary for overall planning and direction of the Directorate; administration of transportation programs involving passenger and cargo security, facilitation services, systems engineering, national emergency plans, management of the Transportation Safety Institute; and, for the conduct of hazardous materials and pipeline safety regulatory programs.

Research and development.—This activity provides for research and development to complement research programs of the operating administrations, to stimulate

industry efforts to advance transportation technology, to develop multimodal and intermodal systems and technology, to encourage university research and to support the hazardous materials and pipeline safety regulatory programs.

Grants.—This activity provides for grants-in-aid to State agencies of up to 50% of the actual costs for conducting a gas pipeline safety program as authorized by the Natural Gas Pipeline Safety Act of 1968.

Object Classification (in thousands of dollars)			
Identification code 69-0104-0-1-407	1977 actual	1978 est.	1979 est.
Direct program:			
Personnel compensation:			
11.1 Permanent positions.....		2,840	6,297
11.3 Positions other than permanent.....		89	207
11.5 Other personnel compensation.....		6	46
Total personnel compensation.....		2,935	6,550
12.1 Personnel benefits: Civilian.....		255	591
21.0 Travel and transportation of persons.....		295	628
22.0 Transportation of things.....		20	68
23.1 Standard level user charges.....		303	548
23.2 Communications, utilities, and other rent.....		158	270
24.0 Printing and reproduction.....		300	579
25.0 Other services.....		1,593	12,183
26.0 Supplies and materials.....		20	81
31.0 Equipment.....		34	82
41.0 Grants, subsidies, and contributions.....	2,300	2,446	2,840
Total direct obligations.....	2,300	8,359	24,420
Reimbursable obligations:			
25.0 Other services.....			1,000
99.0 Total obligations.....	2,300	8,359	25,420
Personnel Summary			
Total number of permanent positions.....		127	247
Full-time equivalent of other positions.....		9	20
Average paid employment.....		141	250
Average GS grade.....		11.14	11.62
Average GS salary.....		\$24,908	\$27,101

Intragovernmental funds:

CONSOLIDATED WORKING FUND, TRANSPORTATION SYSTEMS CENTER

Program and Financing (in thousands of dollars)			
Identification code 69-3900-0-4-407	1977 actual	1978 est.	1979 est.
Program by activities:			
Transportation research (program costs, funded).....	51,426	53,613	54,080
Change in selected resources (unde- livered orders).....	-81	-200	-300
10.00 Total obligations.....	51,345	53,413	53,780
Financing:			
Offsetting collections from:			
11.07 Federal funds.....	-42,163	-45,917	-40,400
13.00 Trust funds.....	-7,744	-7,483	-7,500
21.98 Unobligated balance available, start of year: Fund balance.....	-8,395	-6,957	-6,944
24.98 Unobligated balance available, end of year: Fund balance.....	6,957	6,944	1,064
Budget authority.....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	1,438	13	5,880
72.98 Obligated balance, start of year: Fund balance.....	24,579	27,372	30,185

74.98	Obligated balance, end of year: Fund balance.....	-27,372	-30,185	-33,065
90.00	Outlays.....	-1,356	-2,800	3,000

The fund was established to facilitate the operations of the Transportation Systems Center (TSC) in Cambridge, Mass. The Center is funded from the Office of the Secretary and the operating administrations in the Department.

Legislation will be proposed to establish a working capital fund to finance this activity beginning in 1979. This intragovernmental revolving fund will then permit the programs of the Center to be presented in a manner similar to other such activities elsewhere in the Government. Funding levels are estimated to be in the amounts included in the 1979 column of the above schedule.

The Transportation Systems Center serves as the research, analysis, and development resource for the Office of the Secretary and the operating administrations. Its planned projects for 1979 are grouped into the following objectives:

Modernize regulation and legislation.—TSC activity concentrates on the analysis of Federal regulation of motor carriers and other modes to explore the financial and technical relationships which govern these operations. It also assesses the effect of transportation policies on social and economic conditions.

Increase efficiency and service.—This is the principal area of the Center's work and it involves air, marine, rail, and urban systems. TSC is involved in the analysis and development of new technology, operations analysis of systems, and systems development.

Improve safety and security.—TSC is a primary source of rail and motor vehicle safety research for the Department. Technological support in airport surface traffic control, wind shear, crash protection, and human factors is also provided.

Lessen unfavorable environmental impacts.—The Center's work in this area involves environmental pollution assessment, as well as aircraft, truck, and rail emissions modeling and measurement projects. Ship oil spill prevention technologies are also part of the program.

Minimize adverse impacts of energy constraints.—This effort emphasizes technology and impact assessments in the areas of automotive fuel economy, energy policy, and conservation technology alternatives. The Center is also developing automotive energy efficiency information and performing fuel economy monitoring in support of DOT's mission.

Increase knowledge base.—This effort concentrates on the analysis, generation, collation, standardization, and dissemination of transportation information. This involves developing statistics and computer systems for information retrieval. TSC serves as one of DOT's main focal points for the sharing of data with State and local governments and, as appropriate, with private industry.

Object Classification (in thousands of dollars)

Identification code 69-3900-0-4-407	1977 actual	1978 est.	1979 est.
Personnel compensation:			
11.1 Permanent positions.....	14,849	15,973	16,300
11.3 Positions other than permanent.....	333	355	365
11.5 Other personnel compensation.....	67	65	65
Total personnel compensation.....	15,249	16,393	16,730
12.1 Personnel benefits: Civilian.....	1,416	1,528	1,555
13.0 Benefits for former personnel.....	173		
21.0 Travel and transportation of persons.....	715	850	950
22.0 Transportation of things.....	48	50	50
23.2 Communications, utilities, and other rent.....	1,087	1,185	1,275

24.0	Printing and reproduction.....	309	325	325
25.0	Other services.....	30,100	30,707	30,645
26.0	Supplies and materials.....	609	625	625
31.0	Equipment.....	1,535	1,500	1,500
32.0	Lands and structures.....	104	250	125
99.0	Total obligations.....	51,345	53,413	53,780

Personnel Summary

Total number of permanent positions.....	691	680	680
Full-time equivalent of other positions.....	42	40	40
Average paid employment.....	671	677	677
Average GS grade.....	11.08	11.08	11.08
Average GS salary.....	\$23,694	\$23,824	\$24,106
Average salary of ungraded positions.....	\$15,321	\$15,321	\$15,321

Legislative Program

COAST GUARD

OIL POLLUTION LIABILITY AND COMPENSATION FUND

(Proposed for later transmittal, proposed legislation)

Program and Financing (in thousands of dollars)

Identification code 69-5169-2-2-304	1977 actual	1978 est.	1979 est.
Program by activities:			
10.00 Operating costs (obligations).....			50,000
Financing:			
24.40 Unobligated balance available, end of year.....			130,000
40.00 Budget authority (special fund, indefinite).....			180,000
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....			50,000
90.00 Outlays.....			50,000

Legislation is recommended to establish a comprehensive system of liability and compensation for damages caused by oil pollution in the navigable waters of the United States, their connecting or tributary waters, and in the high seas areas.

The legislation would establish strict liability for the owners and operators of sources of oil discharges and create a back-up compensation fund for damages, including cleanup, resulting from oil spills.

FEDERAL AVIATION ADMINISTRATION

OPERATIONS

(Proposed for later transmittal, proposed legislation)

Program and Financing (in thousands of dollars)

Identification code 69-1301-2-1-402	1977 actual	1978 est.	1979 est.
Program by activities:			
10.00 Operation of traffic control system (costs—obligations).....			-3,000
Financing:			
40.00 Budget authority (appropriation) (proposed for later transmittal).....			-3,000
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....			-3,000
90.00 Outlays.....			-3,000

Legislation is recommended to eliminate second career training for air traffic controllers who are eligible for immediate retirement.

FEDERAL HIGHWAY ADMINISTRATION

The proposed 1979 highway and transit bill entails consolidation of many of the presently authorized, discrete highway program categories into fewer and broader categories. The following five schedules show the 1979 budget effects of that consolidation: the first four schedules delete program levels (obligations) for those programs which are being consolidated in 1979; and the last schedule more than offsets the deletions with increases for a larger, reconfigured Federal-aid highways program. Total added program level in 1979 as a consequence of the legislation is \$165 million.

HIGHWAY BEAUTIFICATION

(Proposed for later transmittal, proposed legislation)

Program and Financing (in thousands of dollars)

Identification code 69-0540-2-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Construction			-3,430
2. Administration			-1,200
Total program costs, funded			-4,630
Change in selected resources (undelivered orders)			-18,520
10.00 Total obligations			-23,150
Financing:			
40.00 Budget authority (appropriation) (proposed for later transmittal)			-23,150
Relation of obligations to outlays:			
71.00 Obligations incurred, net			-23,150
74.40 Obligated balance, end of year			18,520
90.00 Outlays			-4,630

TERRITORIAL HIGHWAYS

(Proposed for later transmittal, proposed legislation)

Program and Financing (in thousands of dollars)

Identification code 69-0556-2-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Territorial highways			-840
2. Safety programs			-250
3. Administration			-210
Total program costs, funded			-1,300
Change in selected resources (undelivered orders)			-4,300
10.00 Total obligations			-5,600
Financing:			
40.00 Budget authority (appropriation) (proposed for later transmittal)			-5,600
Relation of obligations to outlays:			
71.00 Obligations incurred, net			-5,600
74.40 Obligated balance, end of year			4,300
90.00 Outlays			-1,300

FEDERAL-AID HIGHWAYS (LIQUIDATION OF CONTRACT AUTHORIZATION) (TRUST FUND)

(Proposed for later transmittal, proposed legislation)

Program and Financing (in thousands of dollars)

Identification code 20-8102-2-7-401	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1. Interstate system			-3,701,772
2. Rural highway programs			-1,667,022
3. Urban highway programs			-1,460,058
4. Construction safety programs			-552,696
5. Administration and research			-154,696
6. Other			-148,139
Total direct program costs, funded			-7,684,383
Reimbursable program:			
1. Construction			-8,000
2. Administration			-32,000
Total reimbursable program costs, funded			-40,000
10.00 Total program costs, obligations funded			-7,724,383
Financing:			
Offsetting collections from:			
11.00 Federal funds			26,000
13.00 Trust funds			12,300
Non-Federal sources:			
14.00 Loan repayments			103,058
Other			1,700
17.00 Recovery of prior year obligations			2,490
21.49 Unobligated balance available, start of year: Contract authority			5,449,058
24.49 Unobligated balance available, end of year: Contract authority			-1,495,223
Budget authority			-3,625,000
Budget authority:			
40.00 Appropriation			-7,250,000
40.49 Portion applied to liquidate contract authority			7,250,000
43.00 Appropriation (adjusted)			
49.10 Contract authority (Public Laws 93-87, 93-643, 94-280)			-3,625,000
Relation of obligations to outlays:			
71.00 Obligations incurred, net			-7,578,835
72.49 Obligated balance, start of year: Contract authority			-11,008,599
Obligated balance, end of year:			
74.40 Appropriation			70,000
74.49 Contract authority			11,337,434
90.00 Outlays			-7,180,000

HIGHWAY-RELATED SAFETY GRANTS (LIQUIDATION OF CONTRACT AUTHORITY) (TRUST FUND)

(Proposed for later transmittal, proposed legislation)

Program and Financing (in thousands of dollars)

Identification code 69-8019-2-7-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. State and community grants			-3,567
2. Administration of grant programs			-633
Total program costs, funded			-4,200

	Change in selected resources (undelivered orders).....		-23,800
10.00	Total obligations.....		-28,000
Financing:			
24.49	Unobligated balance available, end of year: Contract authority.....		28,000
	Budget authority.....		
Relation of obligations to outlays:			
71.00	Obligations incurred, net.....		-28,000
Obligated balance, end of year:			
74.40	Appropriation.....		-4,200
74.49	Contract authority.....		28,000
90.00	Outlays.....		-4,200

FEDERAL-AID HIGHWAYS

(Proposed for later transmittal, proposed legislation)

Program and Financing (in thousands of dollars)

Identification code 69-8023-2-7-401	1977 actual	1978 est.	1979 est.
Program by activities:			
Direct program:			
1.	Interstate system.....		3,626,772
2.	Primary program.....		1,502,898
3.	Small urban and rural program.....		779,124
4.	Urban program.....		719,058
5.	Highway safety program.....		491,100
6.	Bridge program.....		441,596
7.	Other.....		190,304
8.	Administration and research.....		154,696
	Total direct program costs, funded.....		7,905,548
Reimbursable program:			
1.	Construction.....		8,000
2.	Administration.....		32,000
	Total reimbursable program costs, funded.....		40,000
10.00	Total program costs, obligations funded.....		7,945,548
Financing:			
Offsetting collections from:			
11.00	Federal funds.....		-26,000
13.00	Trust funds.....		-12,300
14.00	Non-Federal sources:		
	Loan repayment.....		-103,058
	Other.....		-1,700
17.00	Recovery of prior year obligations.....		-2,490
21.49	Unobligated balance available, start of year: Contract authority.....		-5,449,058
24.49	Unobligated balance available, end of year: Contract authority.....		5,449,058
	Budget authority.....		7,800,000
Budget authority:			
40.00	Appropriation.....		7,250,000
40.49	Portion applied to liquidate contract authority.....		-7,250,000
43.00	Appropriation (adjusted).....		
49.10	Contract authority.....		7,800,000
Relation of obligations to outlays:			
71.00	Obligations incurred, net.....		7,800,000
72.49	Obligated balance, start of year: Contract authority.....		11,008,599
Obligated balance, end of year:			
74.40	Appropriation.....		-59,870
74.49	Contract authority.....		-11,558,599
90.00	Outlays.....		7,190,130

As consequences of the legislative proposals, the general provision of Highway-Related Safety Grants (Sec. 303) would no longer be needed, and the general provision on Federal-Aid Highways (Sec. 316) would be revised to permit obligations in the amount proposed in the above schedules.

The activity structure of the "Federal-aid highways" account is revised to coincide with the pending authorizations. The new broadened activities will give far greater flexibility to the recipients of Federal-aid in developing solutions to their individual transportation problems.

Financial assistance will be provided to States for: Construction and improvements on the National System of Interstate and Defense Highways; construction and improvements to urban and rural highway systems; promulgation of a highway safety improvement program; rehabilitation or reconstruction of unsafe bridges; and, other highway programs of national significance. Includes aid for off-system highways, highway beautification, territorial highways, and highway-related safety grants.

1. *Interstate system.*—As of September 30, 1977, 38,674 miles of the 42,500-mile system were open to traffic. Funds will be provided to pursue completion, close critical gaps, and rehabilitate segments now reaching the end of their designed life. States and localities may also withdraw previously approved interstate segments and apply authorized funds to substitute transit or highway projects.

2. *Primary program.*—Provides financial assistance to States for highway construction on the primary system and related projects.

3. *Small urban and rural program.*—Provides financial assistance to the States for public transportation and highway transportation improvement efforts required in rural areas or urban areas of less than 50,000 in population. Funds are available for roads and streets not now on Federal-aid highway systems and for public transit projects, including operating assistance. Also provides assistance to three territories for highway improvements.

4. *Urban program.*—Provides Federal assistance for highway construction and improvements in urban areas with a population above 50,000. Funds are available for any road or street not on the interstate or primary system, and for any public transportation project currently eligible under the urban systems program.

5. *Highway safety program.*—Provides financial assistance to States for safety improvements on highways such as pavement marking; high-hazard/roadside obstacle removal; rail-highway crossings (on or off system); and safety related construction. In addition, provides funding for the highway safety standards effort (highway-related safety grants) through a "takedown" from the basic authorization.

6. *Bridge program.*—Provides greatly expanded Federal financial assistance for the replacement or rehabilitation of unsafe bridges.

7. *Other.*—Provides for assistance in the areas of Federal lands highways, highway beautification including control of outdoor advertising and junkyard screening, and emergency relief.

8. *Administration and research.*—Provides for executive and general administrative and research expenses of the Federal Highway Administration. These funds are expended under "Limitation on general operating expenses." Planning funds are provided to the States through a "take-down" from each program authorization category.

FEDERAL-AID HIGHWAYS—Continued

Configured along the lines of the subcategories established in the new legislation, obligations for the 1977-79 period are estimated as follows (dollars in millions):

	1977 actual	1978 estimate	1979 estimate
Interstate system.....	3,298	3,754	3,600
Primary program.....	1,424	1,450	1,470
Small urban and rural program.....	750	748	770
Urban program.....	670	668	685
Highway safety program.....	338	460	490
Bridge program.....	196	190	440
Other.....	150	160	190
Administration and research.....	139	149	155
Total.....	6,965	7,579	7,800

URBAN MASS TRANSPORTATION ADMINISTRATION

The following tables reflect the changes to the Federal mass transit assistance programs to be proposed in the administration's new highway/transit authorization bill to be submitted to the Congress. The first set of tables reflects the termination on September 30, 1978, of the existing transit programs described on page 706 of the Appendix. The second set of tables presents the new programs proposed to go into effect on October 1, 1978.

Federal Funds

Public enterprise funds:

URBAN MASS TRANSPORTATION FUND			
Program and Financing (in thousands of dollars)			
Identification code 69-1119-2-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
Capital facilities grants.....			-1,400,000
Formula grants.....			-850,000
Technical studies grants.....			-55,000
Research, development and demonstrations, grants and contracts.....			-68,000
Managerial training grants.....			-500
University research and training grants.....			-2,000
Administrative expenses.....			-21,400
Subtotal.....			-2,396,900
Interstate transfer grants.....			-500,000
Urban systems ¹			(39,000)
Subtotal.....			-500,000
Total grants, contracts, loans, and administrative expenses.....			-2,896,900
Administrative commitments:			
Start of year.....			-1,410,980
End of year.....			1,410,980
10.00 Total capital investment, obligations.....			-2,896,900
Financing:			
14.00 Offsetting collections from: Non-Federal sources: Loan repayments.....			100
Unobligated balance available, start of year:			
21.40 Appropriation:			
Committed.....			180,411
Uncommitted.....			354,927
21.49 Contract authority (unfunded):			
Committed.....			1,230,569
Uncommitted.....			5,187,539

Unobligated balance available, end of year:			
24.40 Appropriation:			
Committed.....			-250,634
Uncommitted.....			-437,022
24.49 Contract authority (unfunded):			
Committed.....			-1,160,346
Uncommitted.....			-2,408,644
Budget authority.....			-200,000
Budget authority:			
40.00 Appropriation.....			-2,141,900
40.49 Appropriation to liquidate contract authority.....			1,850,000
43.00 Appropriation (adjusted).....			-291,900
49.10 Reduction in unobligated contract authority (Public Law 91-453).....			91,900
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....			-2,896,800
Obligated balance, start of year:			
72.40 Appropriation.....			-727,963
72.49 Contract authority (unfunded).....			-3,458,400
Obligated balance, end of year:			
74.40 Appropriation.....			467,545
74.49 Contract authority (unfunded).....			4,365,618
90.00 Outlays.....			-2,250,000

¹ Nonadd item: accounted for within the FHWA budget.

URBAN MASS TRANSPORTATION FUND
Program and Financing (in thousands of dollars)

Identification code 69-1120-2-1-401	1977 actual	1978 est.	1979 est.
Program by activities:			
1. Urban discretionary grants.....			1,040,000
2. Urban formula grants.....			1,735,000
3. Rural formula grants ¹			
4. Research and training.....			68,600
5. Administrative expenses.....			21,400
10.00 Total obligations.....			2,865,000
Financing:			
14.00 Offsetting collections from: Non-Federal sources.....			-100
Unobligated balance available, start of year:			
21.40 Appropriation.....			-535,338
21.49 Contract authority.....			-6,418,108
Unobligated balance available, end of year:			
24.40 Appropriation.....			535,438
24.49 Contract authority.....			6,418,108
Budget authority.....			2,865,000
Budget authority:			
40.00 Appropriation.....			4,715,000
40.49 Appropriation to liquidate contract authority.....			-1,850,000
43.00 Appropriation (adjusted).....			2,865,000
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....			2,864,900
Obligated balance, start of year:			
72.40 Appropriation.....			727,963
72.49 Contract authority.....			3,458,400
Obligated balance, end of year:			
74.40 Appropriation.....			-2,842,045
74.49 Contract authority.....			-1,959,218
90.00 Outlays.....			2,250,000

¹ Excludes \$75 million for rural formula grants to be funded under Federal-aid Highways.

Proposed legislation provides for amendment to the Urban Mass Transportation Act of 1964, as amended (the act), which was established to finance capital and operating

assistance grants, contracts, and loans pertaining to mass transit activity.

In addition to the purposes stated in the Urban Mass Transportation Act of 1964, the purposes and goals of the proposed legislation are:

(1) To provide a longer-term and more predictable source of assistance to large metropolitan areas through formula grant programs; to finance the efficient and effective use of existing transportation services and facilities; and,

(2) To encourage the planning, development, and operation of areawide public transportation systems which meet Federal and local environmental, urban development and energy conservation objectives.

Urban discretionary grants.—Provides grants to State and local agencies for major mass transportation investments. Such investments may include construction of new fixed guideway systems; extensions to existing guideway systems; major bus fleet expansions; capital grants for emergency repairs to transit facilities resulting from natural disasters; deployment of new technology; joint development projects; and technical planning assistance. The usage of interstate transfer grants is also provided whereby States and localities may withdraw previously approved interstate segments, and apply the authorized funds to substitute transit or highway projects. Amounts shown include no new funding of interstate transfer grants for Washington, D.C. Such funding will be requested at a later date after completion of the reevaluation of transit construction plans in that city.

Urban formula grants.—Provides for grants to urbanized areas or parts thereof on the basis of a formula for the payment of operating expenses; the construction, acquisition, and improvement of facilities and equipment; for routine capital projects such as the replacement of buses and rail cars; the modernization of existing systems—both bus and rail; for urban highway projects; innovative transit demonstrations; joint development and technical planning assistance.

Rural formula grants.—These funds are displayed under the Federal Highway Administration activities. In 1979 a total of \$779 million is proposed to be allocated. These funds provide for highway and transit grants to small urban and rural areas (under 50,000 population) on the basis of a formula. Both the payment of operating expenses and capital expenses are eligible. At least 10% of the sums apportioned to each State must be used for public transportation purposes.

Research and training.—Provides for grants and contracts for the purposes of developing, testing, and demonstrating new facilities, equipment, techniques and methods (operations and managerial), and improving mass transportation services; grants to public bodies to provide for advanced training for personnel in the mass transportation field; and grants are awarded to public and private, non-profit institutions to assist in establishing or continuing programs which combine professional training and research in the field of mass transportation.

Administrative expenses.—Provides for the administrative costs of the Urban Mass Transportation Administration.

GENERAL PROVISIONS

Sec. 301. During the current fiscal year applicable appropriations to the Department of Transportation shall be available for maintenance and operation of aircraft; hire of passenger motor vehicles and aircraft; purchase of liability insurance for motor vehicles operating in foreign countries on official departmental business; and uniforms, or allowances therefor, as authorized by law (5 U.S.C. 5901-5902).

Sec. 302. None of the funds provided in this Act shall be available for the planning or execution of programs the commitments for which are in excess of \$540,000,000 \$575,000,000 in fiscal year [1978] 1979 for "Grants-in-aid for airports" under 49 U.S.C. 1714 (a) and (b).

Sec. 303. None of the funds provided under this Act shall be available for the planning or execution of programs, the obligations for which are in excess of \$28,000,000 in fiscal year [1978] 1979 for "Highway-related safety grants".

Sec. 304. None of the funds provided under this Act shall be available for the planning or execution of programs the total obligations for which are in excess of \$172,000,000 in fiscal year [1978] 1979 for "State and Community Highway [Safety]. Safety": Provided that within such total obligations up to \$40,000,000 shall be reserved for use at the discretion of the Secretary for high priority highway safety projects.

Sec. 305. None of the funds provided in this Act shall be available for administrative expenses in connection with commitments for the Urban Mass Transportation Act of 1964, as amended, aggregating more than \$2,365,000,000 \$2,396,900,000 in fiscal year [1978] 1979.

Sec. 306. None of the funds provided under this Act shall be available for administrative expenses in connection with obligations against contract authority for interstate substitutions under 23 U.S.C. 103(e) (4) aggregating more than \$350,000,000 \$300,000,000 in fiscal year [1978] 1979.

Sec. 307. None of the funds provided under this Act shall be available for the planning or execution of programs for any further construction of the Miami jetport or of any other air facility in the State of Florida lying south of the Okeechobee Waterway and in the drainage basins contributing water to the Everglades National Park until it has been shown by an appropriate study made jointly by the Department of the Interior and the Department of Transportation that such an airport will not have an adverse environmental effect on the ecology of the Everglades and until any site selected on the basis of such study is approved by the Department of the Interior and the Department of Transportation: Provided, That nothing in this section shall affect the availability of such funds to carry out this study.

Sec. 308. The Governor of the Canal Zone is authorized to employ services as authorized by 5 U.S.C. 3109, in an amount not exceeding \$150,000.

Sec. 309. Funds appropriated for operating expenses of the Canal Zone Government may be apportioned notwithstanding section 3679 of the Revised Statutes, as amended (31 U.S.C. 665), to the extent necessary to permit payment of such pay increases for officers or employees as may be authorized by administrative action pursuant to law which are not in excess of statutory increases granted for the same period in corresponding rates of compensation for other employees of the Government in comparable positions.

Sec. 310. Funds appropriated under this Act for expenditure by the Federal Aviation Administration shall be available (1) except as otherwise authorized by the Act of September 30, 1950 (20 U.S.C. 236-244), for expenses of primary and secondary schooling for dependents of Federal Aviation Administration personnel stationed outside the continental United States at costs for any given area not in excess of those of the Department of Defense for the same area, when it is determined by the Secretary that the schools, if any, available in the locality are unable to provide adequately for the education of such dependents and (2) for transportation of said dependents between schools serving the area which they attend and their places of residence when the Secretary, under such regulations as he may prescribe, determines that such schools are not accessible by public means of transportation on a regular basis.

Sec. 311. Appropriations contained in this Act for the Department of Transportation shall be available for services as authorized by 5 U.S.C. 3109, but at rates for individuals not to exceed the per diem rate equivalent to the rate for a GS-18.

[Sec. 312. None of the funds in this Act shall be available for the implementation or execution of a program in the Department of Transportation to collect fees, charges or prices for approvals, tests, authorizations, certificates, permits, registrations, and ratings which are in excess of the levels in effect on January 1, 1973, or which did not exist as of January 1, 1973, until such program is reviewed and approved by the appropriate committees of the Congress.]

Sec. [313] 312. None of the funds provided in this Act for liquidation of contractual obligations under the Urban Mass Transportation Act of 1964, as amended, shall be made available for liquidation of obligations entered into under section 5 of that Act to support mass transit facilities, equipment or operating expenses unless the applicant for such assistance has given satisfactory assurances in such manner and form as the Secretary may require, and in accordance with such terms and conditions as the Secretary may prescribe, that the rates charged elderly and handicapped per-

sons during nonpeak hours shall not exceed one-half of the rates generally applicable to other persons at peak hours: *Provided*, That the Secretary, in prescribing the terms and conditions for the provision of such assistance shall (1) permit applicants to continue the use of preferential fare systems for elderly or handicapped persons where those systems were in effect on or prior to November 26, 1974, (2) allow applicants a reasonable time to expand the coverage of operating preferential fare systems as appropriate, and (3) allow applicants to define the eligibility of "handicapped persons" for the purposes of preferential fares in conformity with other Federal laws and regulations governing eligibility for benefits for disabled persons.

Sec. [314] 313. No part of any appropriation contained in this Act shall remain available for obligation beyond the current fiscal year unless expressly so provided herein.

Sec. [315] 314. None of the funds provided under or included in this Act shall be available for the planning or execution of programs, the obligations for which are in excess of \$7,445,000,000 for "Federal-Aid Highways" in fiscal year [1978] 1979; *Provided*, That this limitation shall not apply to obligations for emergency relief authorized by 23 U.S.C. 125 [*Provided further*, That this limitation shall not become effective if subsequent legislation containing an obligation limitation on "Federal-Aid Highways" for fiscal year 1978 is enacted into law by September 30, 1977.]

[Sec. 316. None of the funds provided in this act shall be available for the planning or execution of programs for any construction or improvements at Flushing Airport in New York City.]

Sec. [317] 315. Obligations for the Great River Road shall include preliminary engineering and the planning or execution of

projects for the acquisition of areas of archeological, scientific, or historical importance and of necessary easements for scenic purposes, the construction or reconstruction of roadside rest areas, bicycle trails, and scenic viewing areas, the reconstruction and rehabilitation of existing road segments, and the construction of new route segments. No such funds, however, shall be used for constructing new segments until 60 per centum of the Great River Road in each State is completed: *Provided*, That such completion may be waived if the Administrator determines that circumstances in such State prevent such completion.

[Sec. 318. Such funds as may be necessary shall be utilized from the appropriations above made available to the Federal Aviation Administration and to the Civil Aeronautics Board for the preparation of a plan to coordinate as promptly as possible the use of Midway Airport with O'Hare Airport in Chicago, Illinois, for service by regularly scheduled airline carriers in order to relieve air traffic congestion and to promote air safety in that area.]

[Sec. 319. Funds appropriated for grants to the National Railroad Passenger Corporation under Public Law 95-26 and for the fiscal year 1978 purchase payments for the Northeast Corridor shall be used for the payment of any principal and interest costs due or payable to the Consolidated Rail Corporation after March 11, 1977.]

Sec. 316. Appropriations under the heading "Facilities and Equipment (Airport and Airways Trust Fund)" in the Department of Transportation and Related Agencies Appropriation Acts, 1976, 1977 and 1978, shall be available through fiscal years, 1980, 1981 and 1982 respectively. (Department of Transportation and Related Agencies Appropriation Act, 1978.)