

# FY 1980

## 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, **[\$33,050,000]** \$35,540,000. (Department of Transportation and Related Agencies Appropriation Act, 1979.)

#### Program and Financing (in thousands of dollars)

Identification code 69-0102-0-1-407	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
<b>Direct program:</b>			
General administration (program costs, funded).....	34,008	33,908	35,540
Change in selected resources (undelivered orders).....	212		
<b>Total direct obligations.....</b>	<b>34,220</b>	<b>33,908</b>	<b>35,540</b>
<b>Reimbursable program (program costs, funded):</b>			
Change in selected resources (undelivered orders).....	152		
<b>Total reimbursable obligations.....</b>	<b>2,307</b>	<b>4,341</b>	<b>4,146</b>
<b>10.00 Total obligations.....</b>	<b>36,527</b>	<b>38,249</b>	<b>39,686</b>
<b>Financing:</b>			
11.00 Offsetting collections from: Federal funds ...	-2,307	-4,341	-4,146
21.40 Unobligated balance available, start of year	-71	-71	
24.40 Unobligated balance available, end of year..	71		
25.00 Unobligated balance lapsing.....	684		
<b>Budget authority.....</b>	<b>34,904</b>	<b>33,837</b>	<b>35,540</b>
<b>Budget authority:</b>			
40.00 Appropriation.....	34,904	33,050	35,540
41.00 Transferred to other accounts.....		-119	
<b>43.00 Appropriation (adjusted).....</b>	<b>34,904</b>	<b>32,931</b>	<b>35,540</b>
44.20 Supplemental for civilian pay raises.....		843	
46.20 Transfers in for: Civilian pay raises.....		63	
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net.....	34,220	33,908	35,540
72.40 Obligated balance, start of year.....	4,270	4,765	4,597
74.40 Obligated balance, end of year.....	-4,765	-4,597	-5,887
77.00 Adjustments in expired accounts.....	-145		
<b>90.00 Outlays, excluding pay raise supplemental.....</b>	<b>33,580</b>	<b>33,200</b>	<b>34,220</b>
<b>91.20 Outlays from civilian pay raise supplemental.....</b>		<b>876</b>	<b>30</b>

Note.—Excludes \$119 thousand in 1979 and \$136 thousand in 1980 for activities transferred to Salaries and expenses, Employment Standards Administration, Department of Labor. A comparable amount for 1978 (\$109 thousand) is included above.

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	1978 actual	1979 est.	1980 est.
<b>Direct obligations:</b>			
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	20,004	19,993	20,711
11.3 Positions other than permanent.....	869	803	992
11.5 Other personnel compensation.....	184	204	208
11.8 Special personal services payments.....	178	177	177
<b>Total personnel compensation.....</b>	<b>21,235</b>	<b>21,177</b>	<b>22,088</b>
12.1 Personnel benefits: Civilian.....	1,964	1,921	2,011
21.0 Travel and transportation of persons.....	852	751	774
22.0 Transportation of things.....	48	39	39
23.1 Standard level user charges.....	2,460	2,644	2,665
23.2 Communications, utilities, and other rent...	1,838	1,288	1,400
24.0 Printing and reproduction.....	1,117	1,113	1,240
25.0 Other services.....	3,861	4,352	4,700
26.0 Supplies and materials.....	278	267	267
31.0 Equipment.....	567	356	356
<b>Total direct obligations.....</b>	<b>34,220</b>	<b>33,908</b>	<b>35,540</b>
<b>Reimbursable obligations:</b>			
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	1,040	1,154	1,175
11.3 Positions other than permanent.....	40	21	21
<b>Total personnel compensation.....</b>	<b>1,080</b>	<b>1,175</b>	<b>1,196</b>
12.1 Personnel benefits: Civilian.....	96	117	120
21.0 Travel and transportation of persons.....	1	549	349
23.1 Standard level user charges.....	467	104	104
23.2 Communications, utilities, and other rent...	150		
25.0 Other services.....	513	2,396	2,377
<b>Total reimbursable obligations.....</b>	<b>2,307</b>	<b>4,341</b>	<b>4,146</b>
<b>99.0 Total obligations.....</b>	<b>36,527</b>	<b>38,249</b>	<b>39,686</b>

#### Personnel Summary

<b>Direct:</b>			
Total number of permanent positions.....	812	712	712
Full-time equivalent of other positions.....	78	68	84
Total compensable work-years.....	802	735	760
Average GS grade.....	11.69	11.93	11.93
Average GS salary.....	\$27,521	\$29,999	\$30,315
<b>Reimbursable:</b>			
Total number of permanent positions.....	55	54	54
Full-time equivalent of other positions.....	4	2	2
Total compensable work-years.....	50	51	51
Average GS grade.....	10.72	10.92	10.92
Average GS salary.....	\$21,293	\$23,081	\$23,525

#### TRANSPORTATION PLANNING, RESEARCH, AND DEVELOPMENT

\*See Part III for additional information.

For necessary expenses for conducting transportation planning, research, and development activities, including the collection of national transportation statistics, to remain available until expended, **[\$11,450,000]** \$11,530,000. (Department of Transportation and Related Agencies Appropriation Act, 1979.)

## General and special funds—Continued

TRANSPORTATION PLANNING, RESEARCH, AND DEVELOPMENT—  
Continued

Program and Financing (in thousands of dollars)			
Identification code 69-0142-0-1-407	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
Direct program:			
1. Transportation policy and planning.....	7,632	11,697	10,220
2. University research.....	3,330		
3. Transportation systems development and technology.....	9,705		
4. Special programs.....	811	1,400	1,310
Total direct program costs, funded	21,478	13,097	11,530
Change in selected resources (undelivered orders).....	5,028		
Total direct obligations.....	26,506	13,097	11,530
Reimbursable program (program costs, funded).....			
Change in selected resources (undelivered orders).....	1,963	1,000	1,000
Total reimbursable obligations.....	—818		
Total reimbursable obligations.....	1,145	1,000	1,000
10.00 Total obligations.....	27,651	14,097	12,530
<b>Financing:</b>			
11.00 Offsetting collections from: Federal funds...	—1,145	—1,000	—1,000
21.40 Unobligated balance available, start of year	—12,152	—1,647	
23.40 Unobligated balance transferred to other accounts.....	9,000		
24.40 Unobligated balance available, end of year..	1,647		
40.00 Budget authority (appropriation) ..	25,000	11,450	11,530
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	26,506	13,097	11,530
72.40 Obligated balance, start of year.....	6,857	18,904	16,001
74.40 Obligated balance, end of year.....	—18,904	—16,001	—13,531
90.00 Outlays.....	14,460	16,000	14,000

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 national transportation policies.

The program is carried out primarily through contracts with other Federal agencies, educational institutions, nonprofit 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	1978 actual	1979 est.	1980 est.
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	1,813	1,473	1,655

## Object Classification (in thousands of dollars)—Continued

Identification code 69-0142-0-1-407		1978 actual	1979 est.	1980 est.
11.3	Positions other than permanent.....	336	161	181
11.5	Other personnel compensation.....	9	10	11
Total personnel compensation.....		2,158	1,644	1,847
12.1	Personnel benefits: Civilian.....	186	145	164
21.0	Travel and transportation of persons.....	325	100	80
23.1	Standard level user charges.....	232	180	180
23.2	Communications, utilities, and other rent...	16	36	36
24.0	Printing and reproduction.....	160	105	105
25.0	Other services.....	20,406	10,869	9,082
26.0	Supplies and materials.....	17	11	11
31.0	Equipment.....	6	7	25
Total direct obligations.....		23,506	13,097	11,530
Reimbursable obligations:				
25.0	Other services.....	1,145	1,000	1,000
ALLOCATION TO FEDERAL AVIATION ADMINISTRATION				
25.0	Other services.....	3,000		
99.0	Total obligations.....	27,651	14,097	12,530
Personnel Summary				
Total number of permanent positions.....		73	47	47
Full-time equivalent of other positions.....		24	11	12
Total compensable work-years.....		80	53	58
Average GS grade.....		12.69	13.21	13.21
Average GS salary.....		\$31,927	\$34,821	\$35,367

TRANSPORTATION RESEARCH ACTIVITIES OVERSEAS  
(SPECIAL FOREIGN CURRENCY PROGRAM)

## Program and Financing (in thousands of dollars)

Identification code 69-0105-0-1-407		1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>				
Overseas research (program costs, funded).....				
		58	38	
Change in selected resources (undelivered orders).....				
		—55	—38	
10.00	Total obligations (object class 25.0).	3		
<b>Financing:</b>				
21.40	Unobligated balance available, start of year	—67	—63	
24.40	Unobligated balance available, end of year..	63		
45.00	Budget authority (transfers out for pay raises).....		—63	
Relation of obligations to outlays:				
71.00	Obligations incurred, net.....	3		
72.40	Obligated balance, start of year.....	93	38	
74.40	Obligated balance, end of year.....	—38		
90.00	Outlays.....	58	38	

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

## Intragovernmental funds:

## [LIMITATION ON] WORKING CAPITAL FUND

[Necessary expenses for operating costs and capital outlays of the Department of Transportation Working Capital Fund not to exceed \$54,069,000 shall be paid, in accordance with law, from appropriations made available by this Act and prior appropriation Acts to the De-

partment of Transportation together with advances and reimbursements received by the Department of Transportation.] (Department of Transportation and Related Agencies Appropriation Act, 1979.)

Program and Financing (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-4520-0-4-407			
<b>Program by activities:</b>			
Operating costs, funded:			
1. Publishing and graphics activities:			
(a) Direct operating costs.....	15,254	16,421	18,221
(b) Overhead costs.....	558	633	683
2. Support services activities:			
(a) Direct operating costs.....	3,349	4,269	4,589
(b) Overhead costs.....	394	283	306
3. Library services:			
(a) Direct operating costs.....	1,842	2,079	2,224
(b) Overhead costs.....	67	64	68
4. Transportation computer activities:			
(a) Direct operating costs.....	14,491	27,001	29,374
(b) Overhead costs.....	36	36	36
Total operating costs.....	35,991	50,786	55,501
Capital investment, funded: Purchase of equipment:			
1. Publishing and graphics activities.....	185	260	659
2. Support services activities.....	19	50	58
3. Library services.....	20	15	20
4. Transportation computer activities.....	40	10	8,145
Total capital investment.....	264	335	8,882
Total program costs, funded.....	36,255	51,121	64,383
Change in selected resources (stores, work-in-process, and undelivered orders).....	699		
10.00 Total obligations.....	36,954	51,121	64,383
<b>Financing:</b>			
11.00 Offsetting collections from: Federal funds:			
Publishing and graphics activities.....	-15,870	-17,135	-19,028
Support services activities.....	-3,759	-4,573	-4,921
Library services.....	-1,926	-2,161	-2,312
Transportation computer activities.....	-14,794	-24,971	-30,177
Unfilled customers' orders.....	-716	-589	-345
21.98 Unobligated balance available, start of year	-1,359	-10,470	-8,778
22.40 Unobligated balance transferred from other accounts.....	-9,000		
24.98 Unobligated balance available, end of year..	10,470	8,778	1,178
Budget authority.....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	-111	1,692	7,600
72.10 Receivables in excess of obligations, start of year.....	-6,144	-12	
72.98 Obligated balance, start of year.....			30
74.10 Receivables in excess of obligations, end of year.....	12		
74.98 Obligated balance, end of year.....		-30	-6,830
90.00 Outlays.....	-6,243	1,650	800

\* Note.—Reflects transfer of \$9,000 thousand for expenses necessary to purchase replacement equipment for the Transportation Computer Center from unobligated balances available in the appropriation, Transportation planning, research, and development.

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

Services rendered are charged for at rates that 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 programs; 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)

	1978 actual	1979 est.	1980 est.
<b>Publishing and graphics activities:</b>			
Revenue.....	15,870	17,135	19,028
Expense.....	-15,870	-17,135	-19,028
Net operating income.....			
<b>Support services activities:</b>			
Revenue.....	3,759	4,573	4,921
Expense.....	-3,759	-4,573	-4,921
Net operating income.....			
<b>Library services:</b>			
Revenue.....	1,926	2,161	2,312
Expense.....	-1,926	-2,161	-2,312
Net operating income.....			
<b>Transportation computer activities:</b>			
Revenue.....	14,794	27,071	30,177
Expense.....	-14,794	-27,071	-30,177
Net operating income.....			
Net income or loss for the year.....			

Financial Condition (in thousands of dollars)

	1977 actual	1978 actual	1979 est.	1980 est.
<b>Assets:</b>				
Fund balance with Treasury.....	-4,786	10,457	8,808	8,008
Accounts receivable (net).....	8,182	2,894	1,492	1,050
Inventories.....	19	24	20	20
Real property and equipment (net).....	706	610	800	8,500
Other assets (net).....	2,563	2,543	4,600	4,550
Total assets.....	6,684	16,528	15,720	22,128
<b>Liabilities:</b>				
Accounts payable and funded accrued liabilities.....	1,656	1,831	700	7,058
Advances received.....	1	650	472	472
Other liabilities.....	380	400	350	350
Total liabilities.....	2,037	2,881	1,522	7,880
<b>Government equity:</b>				
Unexpended budget authority:				
Unobligated balance.....	1,359	10,470	8,778	1,178
Undelivered orders.....	5,160	5,871	5,870	5,870
Unfinanced budget authority: Unfilled customers' orders.....	-5,160	-5,871	-5,870	-5,870
Invested capital.....	3,288	3,177	5,420	13,070
Total Government equity.....	4,647	13,647	14,198	14,248

Analysis of changes in Government equity:

	1977 actual	1978 actual	1979 est.	1980 est.
Paid-in capital:				
Opening balance.....		4,647	13,647	14,198

## Intragovernmental funds—Continued

## [LIMITATION ON] WORKING CAPITAL FUND—Continued

## Financial Condition (in thousands of dollars)—Continued

	1978 actual	1979 est.	1980 est.
Transaction: Increase in current assets (net) ..	9,116		
Decrease in current assets (net) .....		-1,696	-7,600
<b>Total .....</b>	<b>9,116</b>	<b>-1,696</b>	<b>-7,600</b>
Retained income or deficit: Transaction:			
Increase in inventory and property valuation ..		2,247	7,650
Decrease in inventory and property valuation ..	-116		
<b>Total .....</b>	<b>-116</b>	<b>2,247</b>	<b>7,650</b>
<b>Total Government equity (end of year) ..</b>	<b>13,647</b>	<b>14,198</b>	<b>14,248</b>

## Object Classification (in thousands of dollars)

Identification code 69-4520-0-4-407	1978 actual	1979 est.	1980 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions .....	5,614	6,291	6,557
11.3 Positions other than permanent .....	200	298	308
11.5 Other personnel compensation .....	379	470	492
<b>Total personnel compensation .....</b>	<b>6,193</b>	<b>7,059</b>	<b>7,357</b>
12.1 Personnel benefits: Civilian .....	572	634	660
21.0 Travel and transportation of persons .....	87	79	96
22.0 Transportation of things .....	2	10	5
23.1 Standard level user charges .....	1,673	1,814	1,825
23.2 Communications, utilities, and other rent ...	3,293	4,579	4,030
24.0 Printing and reproduction .....	96	125	140
25.0 Other services .....	23,332	34,630	39,456
26.0 Supplies and materials .....	1,458	1,855	1,931
31.0 Equipment .....	248	336	8,883
<b>99.0 Total obligations .....</b>	<b>36,954</b>	<b>51,121</b>	<b>64,383</b>

## Personnel Summary

Total number of permanent positions .....	391	381	381
Full-time equivalent of other positions .....	32	37	37
Total compensable work-years .....	415	407	407
Average GS grade .....	7.04	7.18	7.18
Average GS salary .....	\$14,972	\$16,463	\$16,795
Average salary of ungraded positions .....	\$16,050	\$17,075	\$17,400

## 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:

Program level:	(In millions of dollars)		
	1978	1979	1980
Operating expenses .....	921.5	989.3	1,037.0
Acquisition, construction, and improvements .....	271.0	286.6	304.0
Alteration of bridges .....	15.1	14.9	14.9
Retired pay .....	156.5	177.5	198.5
Reserve training .....	38.3	40.7	41.3
Research, development, test, and evaluation .....	24.3	21.3	21.8
State boating safety assistance .....	5.8	5.2	
Pollution fund .....	9.9	7.0	7.0
Offshore oil pollution compensation fund .....		8.0	7.0
Coast Guard supply fund <sup>1</sup> .....	57.8	65.9	72.7
Coast Guard yard fund <sup>1</sup> .....	29.8	31.4	28.2
Trust funds <sup>1</sup> .....	4.9	4.4	4.3
<b>Subtotal net .....</b>	<b>1,534.9</b>	<b>1,652.2</b>	<b>1,736.7</b>

## Proposed legislation:

Oil pollution liability and compensation fund .....			25.0
<b>Total net .....</b>	<b>1,534.9</b>	<b>1,652.2</b>	<b>1,761.7</b>

<sup>1</sup> Total obligations before offsetting collections.

## Federal Funds

## General and special funds:

## OPERATING EXPENSES

For necessary expenses for the operation and maintenance of the Coast Guard, not otherwise provided for; purchase of not to exceed [ten] eleven passenger motor vehicles, for replacement only; and recreation and welfare; [\$965,318,000] \$1,037,175,000 of which [\$214,904] \$224,218 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-[seven] nine exclusive of planes and parts stored to meet future attrition. (10 U.S.C. 101 et seq.; 16 U.S.C. 1882; 19 U.S.C. 261, 267, 1451; titles 14, 33, 37, and 46, United States Code; 49 U.S.C. 1651 et seq.; 50 U.S.C. 191, 194; Department of Transportation and Related Agencies Appropriation Act, 1979; additional authorizing legislation to be proposed.)

## Program and Financing (in thousands of dollars)

Identification code 69-0201-0-1-403	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
<b>Direct program:</b>			
1. Search and rescue .....	254,323	273,069	285,135
2. Aids to navigation .....	244,187	262,182	272,714
3. Marine safety .....	120,711	129,607	137,150
4. Marine environmental protection .....	61,738	66,287	71,033
5. Enforcement of laws and treaties .....	142,826	153,353	159,887
6. Marine science and polar operations ..	53,445	57,382	61,271
7. Military readiness .....	44,230	47,466	49,761
<b>Total direct program costs .....</b>	<b>921,460</b>	<b>989,346</b>	<b>1,036,951</b>
<b>Unfunded adjustments to direct program costs: Property transferred in without charge .....</b>	<b>-3,000</b>	<b>-3,000</b>	<b>-3,000</b>
<b>Total direct program costs, funded ....</b>	<b>918,460</b>	<b>986,346</b>	<b>1,033,951</b>
Change in selected resources (undelivered orders and stores) .....	3,000	3,000	3,000
<b>Total direct obligations .....</b>	<b>921,460</b>	<b>989,346</b>	<b>1,036,951</b>
<b>Reimbursable program .....</b>	<b>20,474</b>	<b>25,000</b>	<b>25,000</b>
<b>10.00 Total obligations .....</b>	<b>941,934</b>	<b>1,014,346</b>	<b>1,061,951</b>
<b>Financing:</b>			
<b>Offsetting collections from:</b>			
11.00 Federal funds .....	-16,291	-19,900	-19,900
14.00 Non-Federal sources .....	-4,183	-5,100	-5,100
25.00 Unobligated balance lapsing .....	2,369		
<b>Budget authority .....</b>	<b>923,829</b>	<b>989,346</b>	<b>1,036,951</b>

## Budget authority:

40.00 Appropriation .....	924,035	965,318	1,037,175
40.47 Portion applied to debt reduction .....	-206	-215	-224
41.00 Transferred to other accounts .....		-227	
<b>43.00 Appropriation (adjusted) .....</b>	<b>923,829</b>	<b>964,876</b>	<b>1,036,951</b>
44.10 <b>Supplemental for wage-board pay raises .....</b>		<b>1,633</b>	
44.20 <b>Supplemental for civilian pay raises .....</b>		<b>1,996</b>	
44.30* <b>Supplemental for military pay raises .....</b>		<b>20,836</b>	
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	921,460	989,346	1,036,951
72.40 Obligated balance, start of year .....	123,205	146,900	168,469
74.40 Obligated balance, end of year .....	-146,900	-168,469	-188,974
77.00 Adjustments in expired accounts .....	38		

Program and Financing (in thousands of dollars)—Continued

Identification code	69-0201-0-1-403	1978 actual	1979 est.	1980 est.
90.00	Outlays, excluding pay raise supplemental.....	897,803	943,433	1,016,320
91.10	Outlays from wage-board pay raise supplemental.....		1,607	31
91.20	Outlays from civilian pay raise supplemental.....		1,901	95
91.30	Outlays from military pay raise supplemental.....		20,836	

Note.—Excludes \$227 thousand in 1979 and \$259 thousand in 1980 for activities transferred to Salaries and expenses, Employment Standards Administration, Department of Labor. A comparable amount for 1978 (\$209 thousand) is included above.

Funds for operating expenses represent 63% of the total Coast Guard 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

	1978 actual	1979 estimate	1980 estimate
Responses to search and rescue cases serviced by Coast Guard regular forces or Coast Guard directed forces (auxiliary).....	85,283	89,704	94,126
Lives saved.....	3,957	4,222	4,487
Deaths prevented.....	5,895	6,281	6,629
Property loss prevented (in thousands).....	\$329,914	\$269,917	\$399,000

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 are the Coast Guard's domestic ice operations which are performed by specially constructed icebreakers and cutters.

WORKLOAD DATA

	1978 actual	1979 estimate	1980 estimate
Loran-A coverage (thousands of square miles).....	3,400	2,736	1,152
Loran-C coverage (thousands of square miles).....	18,300	20,400	20,400
Federal floating aids.....	25,244	25,500	25,800
Federal fixed aids.....	22,276	22,500	22,700
Private aids authorized.....	35,000	37,000	37,000
Bridge permits and regulations issued.....	287	290	300
Domestic icebreaking:			
Operating hours.....	11,678	10,500	10,500
Vessels assisted.....	1,630	1,500	1,500
Mission miles.....	39,400	25,000	25,000

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 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

	1978 actual	1979 estimate	1980 estimate
Commercial vessel safety:			
U.S. commercial vessels undergoing construction, average monthly totals.....	675	725	775
Seamen's documents.....	51,100	52,000	52,500
Marine incidents reported.....	14,800	14,600	14,800
Seamen's records maintained.....	167,000	162,000	162,000
Admeasurement applications.....	10,300	10,500	10,700
Vessel documentation applications.....	188,000	190,000	192,000
U.S. commercial vessels inspected.....	10,690	11,000	11,400
Foreign flag vessels subject to SOLAS and U.S. safety requirements examined.....	4,540	4,500	4,500
Fixed offshore structures inspected.....	2,200	2,300	2,400
Boating safety:			
Factory visits/inspections.....	2,450	2,600	2,600
Defect campaigns.....	145	140	150
Potential units affected.....	390,000	420,000	460,000
Classroom instruction (student lessons in millions).....	1.37	1.42	1.45
Courtesy motorboat examinations (auxiliary).....	352,000	359,000	360,000
Assists (auxiliary).....	19,200	19,900	20,000
Boat boardings.....	30,000	33,000	35,000
Port safety:			
Cargo vessels/barges.....	62,725	63,000	63,500
Waterfront facilities inspected.....	61,275	63,000	65,000
Explosive loadings and other dangerous cargo inspections.....	2,550	2,700	2,800
Harbor patrols (operating hours).....	118,000	120,000	120,000

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

	1978 actual	1979 estimate	1980 estimate
Environmental protection:			
Aerial oil pollution patrols (flight hours).....	6,000	6,100	6,200
Oil and hazardous substances spills.....	15,000	15,500	16,000
Number of pollution investigations.....	7,000	7,500	8,000
District hearings.....	1,000	1,200	1,500
Number of civil penalties.....	3,000	3,200	3,500
Cargo transfer operations monitored.....	19,300	19,300	20,000
Oil pollution removal operations.....	6,000	7,000	8,000
Ocean dumping surveillance missions.....	1,000	1,000	750

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

	1978 actual	1979 estimate	1980 estimate
Maritime law enforcement:			
Foreign fishing vessel sightings.....	3,838	3,800	3,800
Boardings (foreign and domestic).....	7,630	10,815	10,900
Cutter operating hours:			
Fisheries enforcement.....	60,000	60,000	60,000

## General and special funds—Continued

## OPERATING EXPENSES—Continued

## WORKLOAD DATA—Continued

General law enforcement.....	65,000	80,000	80,000
Aircraft flight hours:			
Fisheries enforcement.....	5,500	6,300	6,300
General law enforcement.....	4,200	5,000	5,000
Seizures—vessels.....	130	200	250

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

Marine science activities:	1978 actual	1979 estimate	1980 estimate
Oceanographic observations.....	1,400	1,000	800
Ship operating hours:			
High endurance cutters.....	1,500	1,200	1,000
Polar icebreakers.....	2,330	3,000	3,000
Aircraft hours (airborne radiation thermometer) ..	840	840	600
National Oceanic and Atmospheric Administration Data Buoy Office support:			
Environmental buoys serviced.....	29	32	39
Cutter operating days.....	210	302	461
Polar ice operations: Deliveries by escorted cargo ships:			
Tons of cargo.....	173,334	170,000	170,000
Barrels of fuel (in thousands).....	813	750	750
International Ice Patrol:			
Aircraft hours.....	463	500	500
Ship operating hours.....	1,124	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 multiship operations.

## WORKLOAD DATA

	1978 actual	1979 estimate	1980 estimate
Units trained by Coast Guard training teams.....	200	200	200
Vessels participating in refresher training or shake-down 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.....	25,000	33,000	45,000

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

## STATUS OF INDEBTEDNESS

(In thousands of dollars)

	1978 actual	1979 estimate	1980 estimate
Total debt incurred.....	3,556	3,556	3,556
Debt retirement:			
(a) Prior years.....	—1,712	—1,918	—2,133
(b) Current year.....	—206	—215	—224
Cumulative total.....	—1,918	—2,133	—2,357
Remaining debt, end of year.....	1,638	1,423	1,199

## Object Classification (in thousands of dollars)

Identification code 69-0201-0-1-403	1978 actual	1979 est.	1980 est.
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	84,025	89,685	90,376
11.3 Positions other than permanent.....	2,397	2,563	2,583
11.5 Other personnel compensation.....	1,363	1,458	1,469
11.7 Military personnel.....	381,569	410,399	410,042
Total personnel compensation.....	469,354	504,105	504,470
Personnel benefits:			
12.1 Civilian.....	9,550	10,197	10,275
12.2 Military personnel.....	46,199	49,690	49,647
21.0 Travel and transportation of persons.....	30,061	33,221	33,918
22.0 Transportation of things.....	19,714	22,100	24,800
23.1 Standard level user charges.....	12,687	13,389	14,106
23.2 Communications, utilities, and other rent....	44,810	47,704	53,000
24.0 Printing and reproduction.....	4,138	4,405	4,900
25.0 Other services.....	118,611	126,270	140,250
26.0 Supplies and materials.....	146,005	155,435	175,085
31.0 Equipment.....	16,325	18,525	21,840
32.0 Lands and structures.....	3,050	3,300	3,600
42.0 Insurance claims and indemnities.....	870	915	965
43.0 Interest and dividends.....	86	90	95
Total direct obligations.....	921,460	989,346	1,036,951
Reimbursable obligations:			
Personnel compensation:			
11.1 Permanent positions.....	581	660	660
11.7 Military personnel.....	3,663	4,163	4,163
Total personnel compensation.....	4,244	4,823	4,823
Personnel benefits:			
12.1 Civilian.....	61	69	69
12.2 Military personnel.....	482	614	614
21.0 Travel and transportation of persons.....	643	799	799
22.0 Transportation of things.....	81	92	92
23.2 Communications, utilities, and other rent....	933	1,165	1,165
24.0 Printing and reproduction.....	5	6	6
25.0 Other services.....	7,944	9,876	9,876
26.0 Supplies and materials.....	4,358	5,419	5,419
31.0 Equipment.....	1,721	2,135	2,135
32.0 Lands and structures.....	2	2	2
Total reimbursable obligations.....	20,474	25,000	25,000
99.0 Total obligations.....	941,934	1,014,346	1,061,951

## Personnel Summary

Direct:			
Military:			
Total number of permanent positions.....	37,193	37,770	37,740
Full-time equivalent of other positions.....	0	0	0
Average number.....	36,773	36,923	37,740
Civilian:			
Total number of permanent positions.....	5,538	5,362	5,362
Full-time equivalent of other positions.....	214	257	257
Total compensable work-years.....	5,557	5,427	5,427
Average GS grade.....	7.79	7.78	7.78
Average GS salary.....	\$16,568	\$17,481	\$17,481
Average salary of ungraded positions.....	\$16,744	\$18,084	\$18,084
Reimbursable:			
Military:			
Total number of permanent positions.....	198	198	198
Full-time equivalent of other positions.....	0	0	0
Average number.....	198	198	198
Civilian:			
Total number of permanent positions.....	30	30	30
Full-time equivalent of other positions.....	0	0	0
Total compensable work-years.....	28	28	28

Average GS grade.....	8.42	8.42	8.42
Average GS salary .....	\$16,850	\$17,777	\$17,777

ACQUISITION, CONSTRUCTION, AND IMPROVEMENTS

[(INCLUDING TRANSFER OF FUNDS)]

For necessary expenses of acquisition, construction, rebuilding, and improvement of aids to navigation, shore facilities, vessels, and aircraft, including equipment related thereto; to remain available until September 30, [1981] 1982, [\$286,617,000,] \$284,361,000 [of which \$3,500,000 shall be derived by transfer from the appropriation "Pollution Fund"]; (Title 14, United States Code; Department of Transportation and Related Agencies Appropriation Act, 1979; additional authorizing legislation to be proposed.)

Program and Financing (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-0240-0-1-403			
<b>Program by activities:</b>			
<b>Direct program:</b>			
1. Search and rescue.....	77,931	51,286	54,131
2. Aids to navigation .....	28,381	14,743	34,499
3. Marine safety .....	8,065	7,727	9,533
4. Marine environmental protection .....	4,170	35,054	32,515
5. Enforcement of laws and treaties.....	27,705	66,676	114,497
6. Marine science and polar ice operations.....	13,152	22,340	6,415
7. Military readiness.....	1,578	18,024	6,055
Total direct program costs, funded	160,982	215,850	257,645
Change in selected resources (undelivered orders) .....	110,026	70,767	46,405
Total direct obligations.....	271,008	286,617	304,050
<b>Reimbursable program:</b>			
2. Aids to navigation .....	5,210	1,000	.....
Change in selected resources (undelivered orders) .....	-2,955	.....	.....
Total reimbursable obligations.....	2,255	1,000	.....
10.00 Total obligations.....	273,263	287,617	304,050
<b>Financing:</b>			
14.00 Offsetting collections from: Non-Federal sources .....	-2,255	-1,000	.....
21.40 Unobligated balance available, start of year .....	-98,934	-83,782	-83,782
24.40 Unobligated balance available, end of year..	83,782	83,782	64,093
25.00 Unobligated balance lapsing .....	145	.....	.....
Budget authority .....	256,000	286,617	284,361
<b>Budget authority:</b>			
<b>Current:</b>			
40.00 Appropriation .....	256,000	283,117	284,361
<b>Permanent:</b>			
62.00 Transferred from other accounts.....	.....	3,500	.....
63.00 Appropriation (adjusted) .....	.....	3,500	.....
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	271,008	286,617	304,050
72.40 Obligated balance, start of year .....	170,903	309,885	400,957
74.40 Obligated balance, end of year .....	-309,885	-400,957	-506,007
77.00 Adjustments in expired accounts.....	-375	.....	.....
90.00 Outlays.....	131,650	195,545	199,000

Note.—Capital investment: 1978, \$83,460 thousand; 1979, \$110,128 thousand; and 1980, \$132,998 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 thou-

sand 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 1980, fifteen 41-foot search and rescue boats, and twenty 30-foot surf rescue boats will be constructed along with continued improvement and modernization of other selected boats and vessels. Three additional medium-range surveillance (MRS) aircraft, a MRS flight training simulator, and 17 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 waterways aids to navigation, the continuation of the lighthouse automation and modernization program, the loran-C improvement plan, and phase I implementation of the St. Mary's River loran-C mini-chain are highlighted under this activity.

3. *Marine safety.*—Efforts to facilitate the marine safety mission will center on the acquisition, rehabilitation, renovation and improvement to selected vessels and shore facilities, including the acquisition of additional closed circuit television coverage of the Houston/Galveston Ship Channel and installation of a radar microwave link for the New Orleans vessel traffic service.

4. *Marine environmental protection.*—For 1980 this activity is primarily concerned with the procurement of oil pollution recovery systems with the capability to perform in open water areas, the procurement of high capacity hazardous substance containers, and the installation of pollution abatement equipment aboard selected Coast Guard vessels.

5. *Enforcement of laws and treaties.*—Emphasis in this activity centers on the continuation of the medium-endurance cutter replacement program and renovations and improvements to selected Coast Guard support centers.

6. *Marine science and polar ice operations.*—The medium-range surveillance aircraft and short-range recovery helicopter procurement programs are the principal efforts of this activity for 1980.

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

Object Classification (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-0240-0-1-403			
<b>Direct obligations:</b>			
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	2,681	3,643	3,685
11.3 Positions other than permanent.....	31	37	41
11.5 Other personnel compensation .....	70	77	78
11.7 Military personnel .....	2,947	3,569	3,765
Total personnel compensation.....	5,729	7,326	7,569
<b>Personnel benefits:</b>			
12.1 Civilian.....	316	338	342
12.2 Military personnel .....	357	432	441
21.0 Travel and transportation of persons.....	1,305	1,400	1,500
22.0 Transportation of things .....	563	600	600
23.2 Communications, utilities, and other rent....	143	150	165
24.0 Printing and reproduction .....	30	30	30
25.0 Other services .....	32,917	39,696	46,571



**General and special funds—Continued**  
**ACQUISITION, CONSTRUCTION, AND IMPROVEMENTS—Continued**

**Object Classification (in thousands of dollars)—Continued**

Identification code	1978 actual	1979 est.	1980 est.
69-0240-0-1-403			
26.0 Supplies and materials .....	18,334	31,062	37,503
31.0 Equipment .....	74,944	90,165	108,052
32.0 Lands and structures .....	26,344	44,651	54,872
Total direct costs, funded .....	160,982	215,850	257,645
94.0 Change in selected resources .....	110,026	70,767	46,405
Total direct obligations .....	271,008	286,617	304,050
Reimbursable obligations:			
25.0 Other services .....	4,731	900	
31.0 Equipment .....	479	100	
Total reimbursable costs .....	5,210	1,000	
94.0 Change in selected resources .....	-2,955		
Total reimbursable obligations .....	2,255	1,000	
99.0 Total obligations .....	273,263	287,617	304,050

**Personnel Summary**

<b>Military:</b>			
Total number of permanent positions .....	181	204	204
Full-time equivalent of other positions .....	0	0	0
Average number .....	181	204	204
<b>Civilian:</b>			
Total number of permanent positions .....	187	202	202
Full-time equivalent of other positions .....	3	3	3
Total compensable work-years .....	182	197	197
Average GS grade .....	9.28	9.33	9.33
Average GS salary .....	\$18,156	\$19,243	\$19,465

**ALTERATION OF BRIDGES**

For necessary expenses for alteration or removal of obstructive bridges; \$14,900,000, to remain available until expended. (Title 14, United States Code; 33 U.S.C. 494, 511 et seq.; 49 U.S.C. 1,655 (g)(3); Department of Transportation and Related Agencies Appropriation Act, 1979; additional authorizing legislation to be proposed.)

**Program and Financing (in thousands of dollars)**

Identification code	1978 actual	1979 est.	1980 est.
69-0244-0-1-403			
<b>Program by activities:</b>			
Alteration of bridges (operating costs, funded) .....	8,681	14,900	14,900
Change in selected resources (undelivered orders) .....	6,419		
10.00 Total obligations (object class 41.0) .....	15,100	14,900	14,900
<b>Financing:</b>			
40.00 Budget authority (appropriation) .....	15,100	14,900	14,900
Relation of obligations to outlays:			
71.00 Obligations incurred, net .....	15,100	14,900	14,900
72.40 Obligated balance, start of year .....	6,532	12,951	17,851
74.40 Obligated balance, end of year .....	-12,951	-17,851	-18,751
90.00 Outlays .....	8,681	10,000	14,000

This appropriation provides the Government's share of the costs for altering or removing bridges determined to be obstructions to navigation. In 1980, funding is requested to continue alteration of the Newark Bay,

Mississippi River, and Illinois River bridges and begin alteration of the Houma Bridge.

**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; **[\$173,500,000]** \$198,500,000. (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, 1979.)

**Program and Financing (in thousands of dollars)**

Identification code	1978 actual	1979 est.	1980 est.
69-0241-0-1-403			
<b>Program by activities:</b>			
1. Regular military personnel .....	151,533	167,846	192,000
2. Former Lighthouse Service personnel .....	1,999	1,948	1,900
3. Reserve personnel .....	4,277	4,906	5,800
4. Survivor benefit payments .....	3,849	4,151	4,695
Total program costs .....	161,658	178,851	204,395
Unfunded adjustments: Deductions from retired pay .....	-5,197	-5,351	-5,895
10.00 Total program costs, funded—obligations (object class 13.0) .....	156,461	173,500	198,500
<b>Financing:</b>			
25.00 Unobligated balance lapsing .....	940		
40.00 Budget authority (appropriation) ..	157,401	173,500	198,500
Relation of obligations to outlays:			
71.00 Obligations incurred, net .....	156,461	173,500	198,500
72.10 Receivables in excess of obligations, start of year .....	-84	-109	-109
74.10 Receivables in excess of obligations, end of year .....	109	109	
74.40 Obligated balance, end of year .....			-191
77.00 Adjustments in expired accounts .....	-20		
90.00 Outlays .....	156,465	173,500	198,200

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 1978 were 18,402 and the numbers estimated to be on the rolls at the end of 1979 and 1980 are 19,198 and 19,988, respectively. The following tabulation shows the average number of personnel on the rolls during 1978 compared with estimated numbers for 1979 and 1980:

**AVERAGE NUMBER**

Category	1978 actual	1979 estimate	1980 estimate
Enlisted personnel .....	11,548	12,089	12,689
Commissioned officers .....	3,094	3,141	3,189
Warrant officers .....	2,377	2,463	2,547
Former Lighthouse Service personnel .....	215	186	162
Reserve personnel .....	756	829	923
Total .....	17,990	18,708	19,510



RESERVE TRAINING

For all necessary expenses for the Coast Guard Reserve, as authorized by law; maintenance and operation of facilities; and supplies, equipment, and services; **[\$39,000,000] \$41,255,000.** (Titles 10, 14, and 37, United States Code; Department of Transportation and Related Agencies Appropriation Act, 1979; additional authorizing legislation to be proposed for \$31,066,000.)

Program and Financing (In thousands of dollars)

Identification code 69-0242-0-1-403	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
Direct program:			
1. Initial training .....	3,173	3,732	3,816
2. Continuing training .....	18,964	20,564	20,700
3. Operation and maintenance of training facilities .....	9,142	9,711	9,971
4. Administration .....	6,497	6,673	6,768
Total direct program costs, funded	37,776	40,680	41,255
Change in selected resources (undelivered orders) .....	491		
Total direct obligations .....	38,267	40,680	41,255
Reimbursable program:			
5. Miscellaneous services for other accounts (costs—obligations) .....	27	42	42
10.00 Total obligations .....	38,294	40,722	41,297
<b>Financing:</b>			
11.00 Offsetting collections from: Federal funds ...	-27	-42	-42
25.00 Unobligated balance lapsing .....	293		
Budget authority .....	38,560	40,680	41,255
<b>Budget authority:</b>			
40.00 Appropriation .....	38,560	39,000	41,255
44.20 Supplemental for civilian pay raises .....		94	
44.30 Supplemental for military pay raises .....		1,586	
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	38,267	40,680	41,255
72.40 Obligated balance, start of year .....	3,410	4,313	4,313
74.40 Obligated balance, end of year .....	-4,313	-4,313	-4,888
77.00 Adjustments in expired accounts .....	-462		
90.00 Outlays, excluding pay raise supplemental .....	36,902	39,000	40,680
91.20 Outlays from civilian pay raise supplemental .....		94	
91.30 Outlays from military pay raise supplemental .....		1,586	

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.

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.

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

	1978 actual	1979 estimate	1980 estimate
Initial training: Initial active duty for training .....	146,157	150,000	150,000
Continuing training: Selected Reserve (with pay):			
Active duty for training .....	129,050	132,600	132,600
Drills (12–48 per year) .....	448,517	477,000	477,000
Other Ready Reserve (without pay):			
Drill training .....	10,273	14,000	14,000
Active duty for training .....	2,270	1,200	1,200

Object Classification (in thousands of dollars)

Identification code 69-0242-0-1-403	1978 actual	1979 est.	1980 est.
<b>Direct obligations:</b>			
Personnel compensation:			
11.1 Permanent positions .....	1,466	1,609	1,609
11.3 Positions other than permanent .....	16	17	17
11.5 Other personnel compensation .....	28	30	30
11.7 Military personnel .....	28,087	30,252	30,252
Total personnel compensation .....	29,597	31,908	31,908
Personnel benefits:			
12.1 Civilian .....	131	147	147
12.2 Military personnel .....	754	814	814
21.0 Travel and transportation of persons .....	1,293	1,393	1,498
22.0 Transportation of things .....	429	455	489
23.1 Standard level user charges .....	317	311	321
23.2 Communications, utilities, and other rent .....	414	439	472
24.0 Printing and reproduction .....	141	149	160
25.0 Other services .....	1,069	1,144	1,230
26.0 Supplies and materials .....	3,262	3,529	3,795
31.0 Equipment .....	325	344	370
42.0 Insurance claims and indemnities .....	44	47	51
Total direct costs, funded .....	37,776	40,680	41,255
94.0 Change in selected resources .....	491		
Total direct obligations .....	38,267	40,680	41,255
<b>Reimbursable obligations:</b>			
11.7 Personnel compensation: Military personnel .....	24	36	36
12.2 Personnel benefits: Military personnel .....	1	1	1
21.0 Travel and transportation of persons .....	2	5	5
Total reimbursable obligations .....	27	42	42
99.0 Total obligations .....	38,294	40,722	41,297

Personnel Summary

Military:	1978 actual	1979 est.	1980 est.
Total number of permanent positions .....	714	714	714

General and special funds—Continued

RESERVE TRAINING—Continued

Personnel Summary—Continued

Full-time equivalent of other positions.....	0	0	0
Average number.....	714	714	714
<b>Civilian:</b>			
Total number of permanent positions.....	119	119	119
Full-time equivalent of other positions.....	1	1	1
Total compensable work-years.....	116	116	116
Average GS grade.....	5.59	5.59	5.59
Average GS salary.....	\$12,307	\$12,984	\$12,984

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 ] \$21,825,000, 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, 1979; additional authorizing legislation to be proposed.)

Program and Financing (in thousands of dollars)

Identification code 69-0243-0-1-403	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
Direct program:			
1. Search and rescue.....	1,113	968	1,098
2. Aids to navigation.....	2,895	3,494	3,964
3. Marine safety.....	6,960	6,917	7,911
4. Marine environmental protection.....	7,656	8,285	8,301
5. Enforcement of laws and treaties.....	139	400	455
6. Marine science and polar ice operations.....	320	21	24
7. Military readiness.....	96	63	72
Total direct program costs, funded	19,179	20,148	21,825
Change in selected resources (undelivered orders).....	5,167	1,194	.....
Total direct obligations.....	24,346	21,342	21,825
Reimbursable program:			
3. Marine safety.....	219	500	.....
4. Marine environmental protection.....	408	500	.....
Total reimbursable program costs, funded.....	627	1,000	.....
Change in selected resources (undelivered orders).....	92	.....	.....
Total reimbursable obligations.....	718	1,000	.....
10.00 Total obligations.....	25,065	22,342	21,825
<b>Financing:</b>			
11.00 Offsetting collections from: Federal funds...	-718	-1,000	.....
21.40 Unobligated balance available, start of year..	-5,688	-1,342	.....
24.40 Unobligated balance available, end of year..	1,342	.....	.....
40.00 Budget authority (appropriation) ..	20,000	20,000	21,825
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net.....	24,346	21,342	21,825
72.40 Obligated balance, start of year.....	11,009	15,051	19,393
74.40 Obligated balance, end of year.....	-15,051	-19,393	-21,218
90.00 Outlays.....	20,304	17,000	20,000

1. *Search and rescue.*—Emphasis will be placed on improving the search and rescue system effectiveness of Coast Guard forces. Ship/helicopter interface projects will be continued and/or completed for new and existing facilities; improved probability of detection methodology projects will be continued. New projects will include evaluation of rescue techniques and procedures, and group command, control, and communications projects.

2. *Aids to navigation.*—Activities are designed to reduce the potential for damage to the environment and economic loss by an improved aid 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; optimize accuracy and stability of wide-area loran-C system; and assess the effect of new technology of the global positioning navigation system on the maritime community. Continued emphasis will be given to the development of the quantitative relationship between visual aids to navigation and the accuracy of navigation; advanced development techniques to improve the accuracy and reliability of buoy positions; and development of a clogged channel clearing device for slush ice accumulation.

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, improved program impact measurement, safe loading standards, and personal flotation devices performance evaluation. 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. A prototype airborne surveillance system for oil and hazardous substance identification and mapping of discharges should be completed. Marine sanitation device regulations support will be continued.

5. *Enforcement of laws and treaties.*—This activity will focus on the evaluation of processed radar retransmission devices compatible with Coast Guard radars for use aboard licensed fishing vessels and satellite relayed transmissions, from fishing vessels to a ground station ashore.

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	1978 actual	1979 est.	1980 est.	
<b>Direct obligations:</b>				
Personnel compensation:				
11.1	Permanent positions.....	1,936	2,601	2,682
11.3	Positions other than permanent.....	136	90	90
11.5	Other personnel compensation.....	7	5	5
11.7	Military personnel.....	2,043	2,249	2,378
	<b>Total personnel compensation.....</b>	<b>4,122</b>	<b>4,945</b>	<b>5,155</b>
Personnel benefits:				
12.1	Civilian.....	192	243	250
12.2	Military personnel.....	247	262	278
21.0	Travel and transportation of persons.....	964	729	875
22.0	Transportation of things.....	117	88	106
23.1	Standard level user charges.....	124	124	124
23.2	Communications, utilities, and other rent....	403	305	366
24.0	Printing and reproduction.....	81	62	74
25.0	Other services.....	10,181	11,310	11,978
26.0	Supplies and materials.....	1,033	782	985
31.0	Equipment.....	1,710	1,294	1,630
32.0	Lands and structures.....	5	4	4
	<b>Total direct costs, funded.....</b>	<b>19,179</b>	<b>20,148</b>	<b>21,825</b>
94.0	Change in selected resources.....	5,167	1,194	
	<b>Total direct obligations.....</b>	<b>24,346</b>	<b>21,342</b>	<b>21,825</b>
<b>Reimbursable obligations:</b>				
21.0	Travel and transportation of persons.....	6		
22.0	Transportation of things.....	1		
25.0	Other services.....	588	1,000	
26.0	Supplies and materials.....	3		
31.0	Equipment.....	29		
	<b>Total reimbursable costs.....</b>	<b>627</b>	<b>1,000</b>	
94.0	Change in selected resources.....	92		
	<b>Total reimbursable obligations.....</b>	<b>718</b>	<b>1,000</b>	
99.0	<b>Total obligations.....</b>	<b>25,065</b>	<b>22,342</b>	<b>21,825</b>

**Personnel Summary**

<b>Military:</b>				
	Total number of permanent positions.....	110	110	110
	Full-time equivalent of other positions.....	0	0	0
	<b>Total compensable work-years.....</b>	<b>110</b>	<b>110</b>	<b>110</b>
<b>Civilian:</b>				
	Total number of permanent positions.....	100	122	122
	Full-time equivalent of other positions.....	6	6	6
	<b>Total compensable work-years.....</b>	<b>101</b>	<b>123</b>	<b>123</b>
	Average GS grade.....	10.41	10.43	10.43
	Average GS salary.....	\$21,858	\$22,689	\$23,390

**[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.), \$5,000,000, to remain available until expended.] (Department of Transportation and Related Agencies Appropriation Act, 1979.)

**Program and Financing (in thousands of dollars)**

Identification code 69-0246-0-1-403	1978 actual	1979 est.	1980 est.	
<b>Program by activities:</b>				
	State boating safety assistance (operating costs, funded).....	5,815	6,455	
	Change in selected resources (undelivered orders).....	9	-1,282	
10.00	<b>Total obligations (object class 41.0).....</b>	<b>5,824</b>	<b>5,173</b>	
<b>Financing:</b>				
21.40	Unobligated balance available, start of year.....	-206	-173	
24.40	Unobligated balance available, end of year..	173		
40.00	<b>Budget authority (appropriation).....</b>	<b>5,790</b>	<b>5,000</b>	
<b>Relation of obligations to outlays:</b>				
71.00	Obligations incurred, net.....	5,824	5,173	
72.40	Obligated balance, start of year.....	1,275	1,282	
74.40	Obligated balance, end of year.....	-1,282		
90.00	<b>Outlays.....</b>	<b>5,817</b>	<b>6,455</b>	

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 at the end of 1979. Additional resources were added to operations in 1979 to expand liaison with the States to support their continuing recreational boating safety activities.

**POLLUTION FUND**

**Program and Financing (in thousands of dollars)**

Identification code 69-5168-0-2-304	1978 actual	1979 est.	1980 est.	
<b>Program by activities:</b>				
	Operating costs, funded.....	10,836	7,000	7,000
	Change in selected resources (undelivered orders).....	-913		
10.00	<b>Total obligations.....</b>	<b>9,923</b>	<b>7,000</b>	<b>7,000</b>
<b>Financing:</b>				
21.40	Unobligated balance available, start of year.....	-13,957	-11,178	-7,678
24.40	Unobligated balance available, end of year..	11,178	7,678	7,678
	<b>Budget authority.....</b>	<b>7,144</b>	<b>3,500</b>	<b>7,000</b>
<b>Budget authority:</b>				
60.00	Appropriation (permanent, indefinite, special fund).....	7,144	7,000	7,000
61.00	Transferred to other accounts.....		-3,500	
63.00	<b>Appropriation (adjusted).....</b>	<b>7,144</b>	<b>3,500</b>	<b>7,000</b>
<b>Relation of obligations to outlays:</b>				
71.00	Obligations incurred, net.....	9,923	7,000	7,000
72.40	Obligated balance, start of year.....	3,993	3,080	3,080
74.40	Obligated balance, end of year.....	-3,080	-3,080	-3,080
90.00	<b>Outlays.....</b>	<b>10,836</b>	<b>7,000</b>	<b>7,000</b>

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

## General and special funds—Continued

## POLLUTION FUND—Continued

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	1978 actual	1979 est.	1980 est.
21.0	Travel and transportation of persons.....	83		
22.0	Transportation of things.....	5		
23.2	Communications, utilities, and other rent....	11		
25.0	Other services.....	10,393	7,000	7,000
26.0	Supplies and materials.....	308		
42.0	Insurance claims and indemnities.....	36		
	Total costs, funded.....	10,836	7,000	7,000
94.0	Change in selected resources.....	-913		
99.0	Total obligations.....	9,923	7,000	7,000

## OFFSHORE OIL POLLUTION COMPENSATION FUND\*

\*See "Legislative Program" (end of this chapter) and Part III of this Appendix for additional information.

For necessary expenses to carry out the provisions of Title III of the Outer Continental Shelf Lands Act Amendments of 1978 (P.L. 95-372), such sums as may be necessary to be derived from the Offshore Oil Pollution Compensation Fund, to remain available until expended. In addition, the Secretary of Transportation is authorized to issue to the Secretary of the Treasury, to meet the obligations of the Fund, notes or other obligations pursuant to section 302 of the Amendments in such amounts and at such times as may be necessary. (43 U.S.C. 1811, et seq.)

## Program and Financing (in thousands of dollars)

Identification code	69-5167-0-2-304	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>				
10.00	Operating costs (costs—obligations).....			14,000
<b>Financing:</b>				
<b>Budget authority</b> ..... 14,000				
<b>Budget authority:</b>				
40.00	Appropriation (special fund, indefinite).....			12,000
47.10	Authority to borrow (Public Law 95-372).....			2,000
<b>Relation of obligations to outlays:</b>				
71.00	Obligations incurred, net.....			14,000
90.00	Outlays.....			14,000

The Outer Continental Shelf Lands Act Amendments of 1978 requires the Coast Guard to perform additional Marine Safety and Environmental Protection missions on the Outer Continental Shelf. Title III of the law provides for an oil pollution compensation fund to pay compensation for damages, including cleanup, resulting from oil spills.

## Object Classification (in thousands of dollars)

Identification code	69-5167-0-2-304	1978 actual	1979 est.	1980 est.
<b>Personnel compensation:</b>				
11.1	Permanent positions.....			419
11.7	Military personnel.....			153
	Total personnel compensation.....			572
<b>Personnel benefits:</b>				
12.1	Civilian.....			38
12.2	Military.....			15

## Object Classification (in thousands of dollars)—Continued

Identification code	69-5167-0-2-304	1978 actual	1979 est.	1980 est.
21.0	Travel and transportation of persons.....			200
22.0	Transportation of things.....			20
23.2	Communications, utilities, and other rent....			60
25.0	Other services.....			11,595
26.0	Supplies and materials.....			100
42.0	Insurance claims, and indemnities.....			1,400
99.0	Total obligations.....			14,000

## Personnel Summary

<b>Military:</b>				
	Total number of permanent positions.....			6
	Average number.....			6
<b>Civilian:</b>				
	Total number of permanent positions.....			22
	Full-time equivalent of other positions.....			0
	Total compensable work-years.....			22
	Average GS grade.....			9.64
	Average GS salary.....			\$19,030

## Intragovernmental funds:

## COAST GUARD SUPPLY FUND

## Program and Financing (in thousands of dollars)

Identification code	69-4535-0-4-403	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>				
	Operating costs, funded: Cost of goods sold.....	59,983	64,147	70,875
	Change in selected resources (undelivered orders and stores).....	-2,172	1,764	1,806
10.00	Total obligations (object class 26.0).....	57,811	65,911	72,681
<b>Financing:</b>				
<b>Offsetting collections from:</b>				
<b>Federal funds:</b>				
	Revenue.....	-51,710	-56,128	-61,561
	Change in unfilled customers' orders.....	367	-1,665	-1,706
14.00	Non-Federal sources.....	-6,722	-8,018	-9,314
21.98	Unobligated balance available, start of year.....	-235	-488	-388
24.98	Unobligated balance available, end of year.....	488	388	288
<b>Budget authority</b> .....				
<b>Relation of obligations to outlays:</b>				
71.00	Obligations incurred, net.....	-253	100	100
72.98	Obligated balance, start of year.....	2,035	2,879	2,479
74.98	Obligated balance, end of year.....	-2,879	-2,479	-2,179
90.00	Outlays.....	-1,097	500	400

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 180 feet in length. The fund is financed by reimbursements from sale of goods.

Activity of approximately \$71 million in this fund in 1980 is divided 6% for uniform clothing; 40% for commissary provisions; 15% for general stores and technical material; and 39% for fuel.

DEPARTMENT OF TRANSPORTATION

COAST GUARD YARD FUND

Program and Financing (in thousands of dollars)

Identification code 69-4743-0-4-403	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
Operating costs:			
Cost of goods sold.....	10,822	10,045	9,087
Other .....	21,172	21,351	20,818
Total operating costs.....	31,994	31,396	29,905
Unfunded adjustments to operating costs: Property transferred in without charge.....	-273	-250	-275
Total operating costs, funded.....	31,721	31,146	29,630
Capital investment, funded: Purchase of equipment.....	109	300	300
Total program costs, funded.....	31,830	31,446	29,930
Change in selected resources (undelivered orders and stores).....	-1,981	-33	-1,771
10.00 Total obligations.....	29,849	31,413	28,159
<b>Financing:</b>			
Offsetting collections from:			
11.00 Federal funds:			
Sale of goods and services.....	-32,188	-31,539	-29,686
Change in unfilled customers' orders on hand.....	16,657	-4,804	-3,400
14.00 Non-Federal sources:			
Sale of scrap and excess material....	-80	-69	-70
Proceeds from sale of equipment.....	-2	-1	-3
21.98 Unobligated balance available, start of year.....	-24,269	-10,033	-15,033
24.98 Unobligated balance available, end of year..	10,033	15,033	20,033
<b>Budget authority.....</b>			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	14,236	-5,000	-5,000
72.98 Obligated balance, start of year.....	5,152	2,592	2,592
74.98 Obligated balance, end of year.....	-2,592	-2,592	-2,592
90.00 Outlays.....	16,796	-5,000	-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)		
	1978 actual	1979 estimate	1980 estimate
Vessel repairs and alterations.....	60	70	60
Vessel construction.....	3	0	9
Boat repairs and construction.....	22	13	11
Buoy fabrication.....	5	8	8
Fabrication of special and miscellaneous items.....	10	9	12
Total.....	100	100	100

Object Classification (in thousands of dollars)

Identification code 69-4743-0-4-403	1978 actual	1979 est.	1980 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	15,035	15,955	16,207
11.3 Positions other than permanent.....	27	28	28
11.5 Other personnel compensation.....	2,092	1,344	112
11.7 Military personnel.....	376	423	427
Total personnel compensation.....	17,530	17,750	16,774
<b>Personnel benefits:</b>			
12.1 Civilian.....	1,631	1,730	1,758
12.2 Military personnel.....	17	19	19
21.0 Travel and transportation of persons.....	13	12	12

Object Classification (in thousands of dollars)—Continued

Identification code 69-4743-0-4-403	1978 actual	1979 est.	1980 est.
22.0 Transportation of things.....	90	92	92
23.2 Communications, utilities, and other rent....	1,019	1,050	1,100
24.0 Printing and reproduction.....	4	6	7
25.0 Other services.....	829	637	743
26.0 Supplies and materials.....	10,861	10,100	9,400
31.0 Equipment.....	109	300	300
Total costs.....	32,103	31,696	30,205
94.0 Change in selected resources, net of unfunded adjustments.....	-2,254	-283	-2,046
99.0 Total obligations.....	29,849	31,413	28,159

Personnel Summary

<b>Military:</b>			
Total number of permanent positions.....	24	24	24
Full-time equivalent of other positions.....	0	0	0
Total compensable work-years.....	24	24	24
<b>Civilian:</b>			
Total number of permanent positions.....	1,007	1,007	1,007
Full-time equivalent of other positions.....	2	2	2
Total compensable work-years.....	927	901	896
Average GS grade.....	7.83	7.83	7.83
Average GS salary.....	\$16,238	\$17,303	\$17,476
Average salary of ungraded positions.....	\$16,515	\$17,693	\$17,707

Trust Funds

COAST GUARD GENERAL GIFT FUND

Program and Financing (in thousands of dollars)

Identification code 69-8533-0-7-403	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
10.00 Training and morale (costs—obligations) ..	9	30	30
<b>Financing:</b>			
21.40 Unobligated balance available, start of year:			
Treasury balance.....	-12	-10	-10
U.S. securities (par).....	-10	-20	-20
24.40 Unobligated balance available, end of year:			
Treasury balance.....	10	10	10
U.S. securities (par).....	20	20	20
60.00 Budget authority (appropriation) (permanent, indefinite).....	18	30	30
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	9	30	30
72.40 Obligated balance, start of year.....		1	1
74.40 Obligated balance, end of year.....	-1	-1	-1
90.00 Outlays.....	8	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	1978 actual	1979 est.	1980 est.
25.0 Other services.....	6	23	23
26.0 Supplies and materials.....	2	4	4
31.0 Equipment.....	1	3	3
99.0 Total obligations.....	9	30	30

## SPECIAL STATISTICAL WORK

Program and Financing (in thousands of dollars)			
Identification code 69-8535-0-7-403	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
Special studies (operating costs, funded)...	213	.....	.....
Change in selected resources (undelivered orders) .....	161	.....	.....
10.00 Total obligations (object class 25.0).	375	.....	.....
<b>Financing:</b>			
14.00 Offsetting collections from: Non-Federal sources .....	-375	.....	.....
<b>Budget authority</b> .....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net .....	.....	.....	.....
72.40 Obligated balance, start of year .....	.....	161	.....
74.40 Obligated balance, end of year .....	-161	.....	.....
90.00 Outlays .....	-161	161	.....

Under the provisions of Public Law 89-670, 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	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
1. Cadet activities .....	4,348	4,261	4,176
2. Surcharge collections, sales of commissary stores .....	191	140	125
10.00 Total program costs, funded—obligations .....	4,539	4,401	4,301
<b>Financing:</b>			
Offsetting collections from:			
11.00 Federal funds .....	-4,348	-4,261	-4,176
14.00 Non-Federal sources .....	-259	-88	-73
21.98 Unobligated balance available, start of year .....	-140	-208	-156
24.98 Unobligated balance available, end of year .....	208	156	104
<b>Budget authority</b> .....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net .....	-68	52	52
72.98 Obligated balance, start of year .....	162	37	63
74.98 Obligated balance, end of year .....	-37	-63	-89
90.00 Outlays .....	57	26	26
Distribution of outlays by account:			
Cadet activities .....	125	.....	.....
Surcharge collections, sales of commissary stores .....	-68	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	1978 actual	1979 est.	1980 est.
23.2 Communications, utilities, and other rent....	25	25	25
25.0 Other services .....	3,065	2,973	2,904
26.0 Supplies and materials .....	1,425	1,381	1,350
31.0 Equipment .....	24	22	22
99.0 Total obligations .....	4,539	4,401	4,301

## 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:

	1978	1979	1980
<b>Budget authority:</b>			
Operations .....	1,898	2,041	2,097
Trust fund .....	(275)	(300)	(293)
Facilities, engineering and development .....	14	18	21
Metropolitan Washington airports .....	28	29	33
Grants-in-aid for airports (trust) .....	555	644	620
Facilities and equipment (trust) .....	209	350	250
Research, engineering and development (trust) ..	81	79	75
Total net .....	2,785	3,161	3,096
<b>Program level:</b>			
Operations .....	1,900	2,041	2,097
Trust fund .....	(275)	(300)	(293)
Facilities, engineering and development .....	16	22	21
Metropolitan Washington airports .....	33	37	34
Grants-in-aid for airports (trust) .....	553	645	560
Facilities and equipment (trust) .....	168	275	250
Research, engineering, and development (trust) ..	78	88	75
Aviation insurance revolving fund .....	-1	-1	-1
Aircraft loan guarantees .....	.....	50	100
Total net .....	2,747	3,157	3,136
<b>Outlays:</b>			
Operations .....	1,897	2,016	2,080
Trust fund .....	(275)	(300)	(293)
Facilities, engineering and development .....	15	18	17
Metropolitan Washington airports .....	26	39	34
Grants-in-aid for airports (trust) .....	562	565	570
Facilities and equipment (trust) .....	211	232	220
Research, engineering and development (trust) ..	67	80	74
Safety regulation .....	1	1	.....
Aviation insurance revolving fund .....	-1	-1	-1
Total net .....	2,778	2,950	2,994

<sup>1</sup> Includes \$9 million reappropriation.

<sup>2</sup> Includes \$54 million reappropriation.

Federal Funds

General and special funds:

OPERATIONS

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 five passenger motor vehicles for replacement only and purchase and repair of skis and snowshoes: **[\$1,981,400,000] \$2,097,116,000**, of which **[\$300,000,000] \$293,020,000** 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: *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: *Provided further*, That none of these funds shall be available for new applicants for the second career training program. (4 U.S.C. 1830; 10 U.S.C. 4655; 49 U.S.C. 1151-60, 1301 et seq.; 50 U.S.C. App. 1622(g); Department of Transportation and Related Agencies Appropriation Act, 1979.)

Program and Financing (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-1301-0-1-402			

Program by activities:

Direct program:

1. Operations:

(a) Operation of traffic control system.....	934,852	1,009,762	1,030,460
(b) Installation and materiel services.....	236,207	250,202	262,423
(c) Maintenance of traffic control system.....	472,920	510,334	532,220
(d) Administration of flight standards program.....	197,234	212,949	215,646
(e) Administration of medical programs.....	11,503	12,610	13,028
(f) Development direction.....	16,283	14,501	14,025
(g) Administration of airports program.....	30,981	31,526	30,613
2. Facilities and equipment.....		76	
3. Engineering and development.....		2	
<b>Total direct program.....</b>	<b>1,899,980</b>	<b>2,041,962</b>	<b>2,098,415</b>

Reimbursable program:

1. Operations:

(a) Operation of traffic control system.....	3,838	7,965	8,894
(b) Installation and materiel services.....	2,361	3,190	3,239
(c) Maintenance of traffic control system.....	6,677	11,313	12,211
(d) Administration of flight standards program.....	4,665	5,382	5,574
(e) Administration of medical programs.....	10	16	14
(f) Development direction.....		9	
(g) Administration of airports program.....	323	687	777
<b>Total reimbursable program.....</b>	<b>17,874</b>	<b>28,562</b>	<b>30,709</b>
<b>10.00 Total obligations.....</b>	<b>1,917,854</b>	<b>2,070,524</b>	<b>2,129,124</b>

Financing:

11.00 Offsetting collections from:			
Federal funds.....	-13,232	-12,129	-12,538
Trust funds.....	-275,000	-300,000	-293,020
Non-Federal sources.....	-4,642	-17,733	-19,470
17.00 Recovery of prior year obligations.....	-1		
21.40 Unobligated balance available, start of year.....	-77	-78	
22.40 Unobligated balance transferred from other accounts.....	-5,600		
24.40 Unobligated balance available, end of year.....	78		

Program and Financing (in thousands of dollars)—Continued

Identification code	1978 actual	1979 est.	1980 est.
69-1301-0-1-402			
25.00 Unobligated balance lapsing.....	3,320		
<b>Budget authority.....</b>	<b>1,622,700</b>	<b>1,740,584</b>	<b>1,804,096</b>
Budget authority:			
40.00 Appropriation.....	1,622,700	1,681,400	1,804,096
41.00 Transferred to other accounts.....		-816	
<b>43.00 Appropriation (adjusted).....</b>	<b>1,622,700</b>	<b>1,680,584</b>	<b>1,804,096</b>
44.20 Supplemental for civilian pay raises.....		60,000	
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	1,624,979	1,740,662	1,804,096
72.40 Obligated balance, start of year.....	149,315	147,214	171,266
74.40 Obligated balance, end of year.....	-147,214	-171,266	-188,682
77.00 Adjustments in expired accounts.....	-4,760		
90.00 Outlays, excluding pay raise supplemental.....	1,622,319	1,658,910	1,784,380
91.20 Outlays from civilian pay raise supplemental.....		57,700	2,300

Note.—Excludes \$705 thousand in 1979 and \$804 thousand in 1980 for activities transferred to Salaries and expenses, Employment Standards Administration, Department of Labor. A comparable amount for 1978 (\$648 thousand) is included above. In addition, excludes \$111 thousand in 1979 and \$120 thousand in 1980 for activities transferred to Salaries and expenses, Departmental Management, Department of Labor. A comparable amount for 1978 (\$102 thousand) is included above.

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 427 major civil airports to guide traffic movements on and in the vicinity of the airports. Some 323 domestic and international flight service stations provide weather and other information to pilots and relay traffic control data between ground controllers and pilots.

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 service (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.....	66.5	30.7	186.4
1978 actual.....	71.6	32.3	200.1
1979 estimate.....	76.5	34.0	213.3
1980 estimate.....	79.9	35.7	223.3

(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



## General and special funds—Continued

## OPERATIONS—Continued

to General Services Administration (GSA), and other logistics support functions such as administrative services, interfunctional and plant maintenance. The increase in 1980 will provide for increased costs primarily related to supply support, space rental, leased communications and other services for both existing facilities and new facilities authorized under prior year establishment programs; these costs are partially offset by reduced staffing requirements.

(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. The increase in 1980 primarily provides for increased costs related to the operation and maintenance of both existing and new facilities, partially offset by a reduction in staffing requirements.

(d) *Administration of flight standards program.*—This activity exists to promote safety of flight of civil aircraft in the 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 medical investigation of fatal general aviation aircraft accidents; 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, process-

ing, and dissemination of airport data; and (5) safety certification of airports serving Civil Aeronautics Board certificated air carriers.

Object Classification (in thousands of dollars)		1978 actual	1979 est.	1980 est.
Identification code 69-1301-0-1-402				
FEDERAL AVIATION ADMINISTRATION				
Direct:				
Personnel compensation:				
11.1	Permanent positions.....	1,230,988	1,320,452	1,347,069
11.3	Positions other than permanent.....	31,882	35,894	25,590
11.5	Other personnel compensation.....	82,704	84,483	86,452
11.8	Special personal services payments.....	649	350	330
	Total personnel compensation.....	1,346,223	1,441,179	1,459,441
12.1	Personnel benefits: Civilian.....	176,072	191,881	202,821
13.0	Benefits for former personnel.....	44		
21.0	Travel and transportation of persons.....	44,871	44,748	46,610
22.0	Transportation of things.....	13,846	15,196	15,692
23.1	Standard level user charges.....	15,856	17,985	19,554
23.2	Communications, utilities, and other rent....	73,295	84,561	92,389
24.0	Printing and reproduction.....	8,693	9,440	10,072
25.0	Other services.....	83,825	99,440	105,694
26.0	Supplies and materials.....	64,150	62,266	65,866
31.0	Equipment.....	14,689	11,181	12,981
32.0	Lands and structures.....	165	190	209
42.0	Insurance claims and indemnities.....	173	127	130
	Subtotal.....	1,841,902	1,978,194	2,031,459
95.0	Quarters and subsistence charges.....	-1,381		
	Total direct obligations.....	1,840,521	1,978,194	2,031,459
Reimbursable:				
Personnel compensation:				
11.1	Permanent positions.....	9,074	13,648	15,114
11.3	Positions other than permanent.....	121	126	132
11.5	Other personnel compensation.....	618	1,555	1,711
11.8	Special personal services payments.....	251	300	300
	Total personnel compensation.....	10,064	15,629	17,257
12.1	Personnel benefits: Civilian.....	1,478	3,243	3,711
21.0	Travel and transportation of persons.....	761	1,806	1,989
22.0	Transportation of things.....	440	637	478
23.2	Communications, utilities, and other rent....	471	526	630
24.0	Printing and reproduction.....	72	160	135
25.0	Other services.....	849	2,213	2,439
26.0	Supplies and materials.....	3,503	3,753	3,786
31.0	Equipment.....	250	595	284
	Subtotal.....	17,888	28,562	30,709
95.0	Quarters and subsistence charges.....	-14		
	Total reimbursable obligations.....	17,874	28,562	30,709
	Total obligations, Federal Aviation Administration.....	1,858,395	2,006,756	2,062,168
ALLOCATION TO DEPARTMENT OF DEFENSE				
23.2	Communications, utilities, and other rent....	59,459	63,768	66,956
99.0	Total obligations.....	1,917,854	2,070,524	2,129,124

## Personnel Summary

Direct:				
	Total number of permanent positions.....	54,978	54,472	54,472
	Full-time equivalent of other positions.....	2,158	1,954	1,390
	Total compensable work-years.....	54,411	53,809	53,216
	Average GS grade.....	11.25	11.39	11.46
	Average GS salary.....	\$23,598	\$24,418	\$24,918
	Average NM grade.....	11.01	11.01	11.01
	Average NM salary.....	\$26,714	\$27,186	\$28,653
	Average salary of ungraded positions.....	\$18,695	\$19,686	\$19,891
Reimbursable:				
	Total number of permanent positions.....	570	603	603
	Full-time equivalent of other positions.....	13	13	13

Personnel Summary—Continued

Total compensable work-years.....	480	561	607
Average GS grade.....	10.32	10.40	10.43
Average GS salary.....	\$19,992	\$22,616	\$25,297
Average FC grade.....	11.14	11.14	11.13
Average FC salary.....	\$30,440	\$31,286	\$32,143
Average salary of ungraded positions.....	\$18,314	\$18,429	\$18,543

FACILITIES, ENGINEERING AND DEVELOPMENT

[(INCLUDING TRANSFER OF FUNDS)]

For necessary expenses of the Federal Aviation Administration, not otherwise provided 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 [three] two aircraft for replacement only, [“\$18,370,000”] \$20,636,000, to remain available until expended [and, in addition, not to exceed \$145,000 from unobligated balances in the appropriations for “Civil supersonic aircraft development” and “Civil supersonic aircraft development termination” may be transferred to this account]; *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. (*Department of Transportation and Related Agencies Appropriation Act, 1979.*)

Program and Financing (in thousands of dollars)

Identification code 69-1303-0-1-402	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
<b>Direct program:</b>			
1. Engineering and development.....	15,598	18,710	17,508
2. Facilities and equipment.....	620	3,250	3,128
Total direct program costs.....	16,218	21,960	20,636
<b>Reimbursable program:</b>			
1. Engineering and development.....	245	735	1,000
10.00 Total program costs, funded—obligations.....	16,463	22,695	21,636
<b>Financing:</b>			
<b>Offsetting collections from:</b>			
11.00 Federal funds.....	-245	-635	-900
14.00 Non-Federal sources.....		-100	-100
21.40 Unobligated balance available, start of year.....	-3,050	-3,445	
22.40 Unobligated balance transferred from other accounts.....	-2,350	-145	
24.40 Unobligated balance available, end of year.....	3,445		
40.00 Budget authority (appropriation) ..	14,263	18,370	20,636
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net.....	16,218	21,960	20,636
72.40 Obligated balance, start of year.....	11,218	12,744	16,704
74.40 Obligated balance, end of year.....	-12,744	-16,704	-20,103
90.00 Outlays.....	14,692	18,000	17,237

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 the purchase of 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	1978 actual	1979 est.	1980 est.
<b>Direct obligations:</b>			
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	4,537	4,550	3,694
11.3 Positions other than permanent.....	108	55	55
11.5 Other personnel compensation.....	44	46	57
11.8 Special personal services payments.....	35	32	32
Total personnel compensation.....	4,724	4,683	3,838
12.1 Personnel benefits: Civilian.....	431	498	443
21.0 Travel and transportation of persons.....	166	162	209
22.0 Transportation of things.....	29	34	46
25.0 Other services.....	9,516	12,749	12,336
26.0 Supplies and materials.....	545	400	640
31.0 Equipment.....	807	3,434	3,124
Total direct obligations.....	16,218	21,960	20,636
<b>Reimbursable obligations:</b>			
11.1 Personnel compensation: Permanent positions.....	117	174	175
12.1 Personnel benefits: Civilian.....	13	17	17
21.0 Travel and transportation of persons.....	4	4	5
25.0 Other services.....	13	532	795
26.0 Supplies and materials.....	53	8	8
31.0 Equipment.....	45		
Total reimbursable obligations.....	245	735	1,000
99.0 Total obligations.....	16,463	22,695	21,636

Personnel Summary

<b>Direct:</b>			
Total number of permanent positions.....	187	160	160
Full-time equivalent of other positions.....	0	0	0
Total compensable work-years.....	173	171	142
Average GS grade.....	11.14	11.18	11.16
Average GS salary.....	\$26,989	\$27,616	\$27,365
Average salary of ungraded positions.....	\$16,651	\$18,280	\$19,154
<b>Reimbursable:</b>			
Total number of permanent positions.....	6	6	6
Full-time equivalent of other positions.....	0	0	0
Total compensable work-years.....	6	6	6
Average GS grade.....	11.33	11.33	11.33
Average GS salary.....	\$23,855	\$25,169	\$25,169

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; [“\$23,858,000”] \$25,465,000. (49 U.S.C. 1301 et seq.; 54 Stat. 686, as

## General and special funds—Continued

OPERATION AND MAINTENANCE, METROPOLITAN WASHINGTON  
AIRPORTS—Continued

amended; 64 Stat. 770, as amended; 54 Stat. 1080, 1089; Department of  
Transportation and Related Agencies Appropriation Act, 1979.)

Program and Financing (in thousands of dollars)			
Identification code 69-1332-0-1-402	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
Direct program:			
1. Washington National Airport.....	10,467	11,589	12,246
2. Dulles International Airport.....	10,691	11,431	11,822
Total operating costs.....	21,158	23,020	24,068
Capital investment, funded:			
1. Washington National Airport.....	480	818	617
2. Dulles International Airport.....	375	718	659
Total capital investment.....	855	1,536	1,276
Total direct costs, funded.....	22,013	24,556	25,344
Reimbursable program.....	205	232	238
Total program costs, funded.....	22,218	24,788	25,582
Change in selected resources (stores, un- delivered orders, accrued annual leave) .	-57	-68	121
10.00 Total obligations.....	22,161	24,720	25,703
<b>Financing:</b>			
11.00 Offsetting collections from: Federal funds...	-211	-232	-238
25.00 Unobligated balance lapsing.....	343		
<b>Budget authority.....</b>	<b>22,293</b>	<b>24,488</b>	<b>25,465</b>
<b>Budget authority:</b>			
40.00 Appropriation.....	22,293	23,858	25,465
44.20 Supplemental for civilian pay raises.....		630	
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net.....	21,950	24,488	25,465
72.40 Obligated balance, start of year.....	2,725	2,484	2,502
74.40 Obligated balance, end of year.....	-2,484	-2,502	-2,929
77.00 Adjustments in expired accounts.....	-138		
90.00 Outlays, excluding pay raise supple- mental.....	22,053	23,878	25,000
91.20 Outlays from civilian pay raise sup- plemental.....		592	38

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 1980 appropriation by \$11.9 million. The operating profit at Washington National in 1980 is expected to be \$10,127 thousand and \$2,462 thousand at Dulles International for a total operating profit of \$12,589 thousand. However, the deduction of \$8,212 thousand in depreciation and interest for the two airports results in a net profit of \$4,477 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:

	1978 actual	1979 estimate	1980 estimate
<b>Washington National Airport:</b>			
Passengers (thousands).....	13,949	14,925	15,970
Air operations (thousands).....	349	353	360
Air cargo (million pounds).....	182	196	197
Freight.....	(86)	(92)	(93)
Mail.....	(96)	(104)	(104)
<b>Dulles International Airport:</b>			
Passengers (thousands).....	3,145	3,438	3,713
Domestic.....	(2,523)	(2,760)	(2,995)
International.....	(622)	(678)	(718)
Air operations (thousands).....	175	193	202
Air cargo (million pounds).....	120	134	144
Freight.....	(76)	(86)	(92)
Mail.....	(44)	(48)	(52)

## Object Classification (in thousands of dollars)

Identification code 69-1332-0-1-402	1978 actual	1979 est.	1980 est.
<b>Direct obligations:</b>			
Personnel compensation:			
11.1 Permanent positions.....	12,793	13,666	14,096
11.3 Positions other than permanent.....	108	178	125
11.5 Other personnel compensation.....	1,659	1,671	1,608
Total personnel compensation.....	14,560	15,515	15,829
12.1 Personnel benefits: Civilian.....	1,352	1,432	1,487
21.0 Travel and transportation of persons.....	64	66	75
22.0 Transportation of things.....	4	6	6
23.2 Communications, utilities, and other rent...	2,931	3,252	3,694
24.0 Printing and reproduction.....	20	15	15
25.0 Other services.....	658	905	1,084
26.0 Supplies and materials.....	2,017	1,998	2,095
31.0 Equipment.....	373	1,242	950
32.0 Lands and structures.....	28	120	104
42.0 Insurance claims and indemnities.....	6	5	5
Total direct costs, funded.....	22,013	24,556	25,344
94.0 Change in selected resources.....	-57	-68	121
Total direct obligations.....	21,956	24,488	25,465
<b>Reimbursable obligations:</b>			
23.2 Communications, utilities, and other rent...	84	29	30
26.0 Supplies and materials.....	121	143	148
31.0 Equipment.....		60	60
Total reimbursable obligations.....	205	232	238
99.0 Total obligations.....	22,161	24,720	25,703

## Personnel Summary

Total number of permanent positions.....	844	826	826
Full-time equivalent of other positions.....	10	15	9
Total compensable work-years.....	787	789	817
Average GS grade.....	6.88	6.90	6.90
Average GS salary.....	\$15,770	\$16,852	\$17,010
Average salary of ungraded positions.....	\$16,236	\$17,362	\$17,482

## CONSTRUCTION, METROPOLITAN WASHINGTON AIRPORTS

For necessary expenses for construction at the federally owned civil airports in the vicinity of the District of Columbia, [\$5,000,000] \$7,985,000, to remain available until September 30, [1981] 1982. (49 U.S.C. 1301 et seq.; 54 Stat. 686, as amended; 1080, 1089; 64 Stat. 770, as amended; Department of Transportation and Related Agencies Appropriation Act, 1979.)

Program and Financing (in thousands of dollars)			
Identification code	1978 actual	1979 est.	1980 est.
69-1333-0-1-402			
<b>Program by activities:</b>			
Direct program:			
1. Washington National Airport.....	1,691	8,175	2,968
2. Dulles International Airport.....	1,905	5,925	6,085
Total direct program costs, funded ....	3,596	14,100	9,053
Reimbursable program.....	27	198	.....
Total program costs, funded .....	3,623	14,298	9,053
Change in selected resources (undelivered orders) .....	7,161	-2,109	-71
10.00 Total obligations.....	10,784	12,189	8,982
<b>Financing:</b>			
11.00 Offsetting collections from: Federal funds ...	-51	-174	.....
21.40 Unobligated balance available, start of year	-13,812	-8,569	-1,554
24.40 Unobligated balance available, end of year..	8,569	1,554	557
25.00 Unobligated balance lapsing.....	10	.....	.....
40.00 Budget authority (appropriation) ..	5,500	5,000	7,985
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	10,733	12,015	8,982
72.40 Obligated balance, start of year .....	3,637	10,747	8,662
74.40 Obligated balance, end of year.....	-10,747	-8,662	-8,591
90.00 Outlays.....	3,623	14,100	9,053

The projects in the construction program for Washington National and Dulles International Airports for 1980 are designed to accomplish the following three objectives:

*Airport planning and development.*—At Dulles International Airport, funds are included for an airport/environs compatibility study, construction of an additional general aviation apron, and construction of section 5 of the access highway, phase I.

*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 programed to rehabilitate the terminal air-conditioning, and replace boilers 3 and 4 in the steam production plant. At Dulles, funds are requested to build new structures for storage of salt and sand.

*Rehabilitate existing facilities.*—Existing facilities require periodic rehabilitation due to deterioration from age and usage. At National, funds are programed to design the rehabilitation of the apron taxiway, paint the main terminal, and replace an 8-inch water line. At Dulles, funds are included to rehabilitate the sewer system, repair sections of the access highway, and reconstruct airfield pavement shoulders.

Object Classification (in thousands of dollars)			
Identification code	1978 actual	1979 est.	1980 est.
69-1333-0-1-402			
FEDERAL AVIATION ADMINISTRATION			
Direct obligations:			
32.0 Lands and structures.....	3,455	14,100	9,053
94.0 Change in selected resources .....	7,161	-2,085	-4,071
Total direct obligations .....	10,616	12,015	4,982
Reimbursable obligations:			
32.0 Lands and structures.....	51	174	.....

Object Classification (in thousands of dollars)—Continued			
Identification code	1978 actual	1979 est.	1980 est.
69-1333-0-1-402			
Total obligations, Federal Aviation Administration.....			
	10,667	12,189	4,982
ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION			
32.0 Lands and structures.....	117	.....	4,000
99.0 Total obligations.....	10,784	12,189	8,982

**CIVIL SUPERSONIC AIRCRAFT DEVELOPMENT TERMINATION**

Program and Financing (in thousands of dollars)			
Identification code	1978 actual	1979 est.	1980 est.
69-0106-0-1-402			
<b>Financing:</b>			
17.00 Recovery of prior year obligations.....	-1	.....	.....
21.40 Unobligated balance available, start of year	-8,098	-149	-4
23.40 Unobligated balance transferred to other accounts.....	7,950	145	.....
24.40 Unobligated balance available, end of year..	149	4	4
<b>Budget authority.....</b>			
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	-1	.....	.....
72.40 Obligated balance, start of year .....	14,266	14,115	14,115
74.40 Obligated balance, end of year.....	-14,115	-14,115	-14,115
90.00 Outlays.....	150	.....	.....
<b>Distribution of outlays by account:</b>			
Civil supersonic aircraft development termination.	27	.....	.....
Civil supersonic aircraft development .....	123	.....	.....

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.

**SAFETY REGULATION**

Program and Financing (in thousands of dollars)			
Identification code	1978 actual	1979 est.	1980 est.
69-1307-0-1-402			
<b>Program by activities:</b>			
10.00 Engineering and development (costs—obligations).....	26	32	.....
<b>Financing:</b>			
21.40 Unobligated balance available, start of year	-58	-32	.....
24.40 Unobligated balance available, end of year..	32	.....	.....
<b>Budget authority.....</b>			
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	26	32	.....
72.40 Obligated balance, start of year .....	1,122	481	.....
74.40 Obligated balance, end of year.....	-481	.....	.....
90.00 Outlays.....	667	513	.....

Current activities are reflected in the Facilities, engineering and development account in 1980.

## General and special funds—Continued

## SAFETY REGULATION—Continued

## Object Classification (in thousands of dollars)

Identification code 69-1307-0-1-402	1978 actual	1979 est.	1980 est.
25.0 Other services .....	14	20	
26.0 Supplies and materials .....	2	2	
31.0 Equipment .....	10	10	
99.0 Total obligations .....	26	32	

## UNITED STATES INTERNATIONAL AERONAUTICAL EXPOSITION

## Program and Financing (in thousands of dollars)

Identification code 69-1302-0-1-402	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
10.00 United States International Aeronautical Exposition (costs—obligations) (object class 25.0) .....	237		
<b>Financing:</b>			
21.40 Unobligated balance available, start of year .....	-237		
<b>Budget authority</b> .....			
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. (49 U.S.C. 1651 et seq.; 72 Stat. 800-806; Department of Transportation and Related Agencies Appropriation Act, 1979.)

## Program and Financing (in thousands of dollars)

Identification code 69-4120-0-3-402	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
Direct program:			
Administrative expenses .....	50	65	66
Reimbursable program .....		100	100
10.00 Total program costs, funded—obligations .....	50	165	166
<b>Financing:</b>			
Offsetting collections from:			
11.00 Federal funds .....	-1,151	-1,381	-1,379
14.00 Non-Federal sources .....	-36	-16	-19
21.98 Unobligated balance available, start of year:			
Fund balance .....	-321	-269	-136
U.S. securities (par) .....	-15,195	-16,385	-17,750
24.98 Unobligated balance available, end of year:			
Fund balance .....	269	136	118
U.S. securities (par) .....	16,385	17,750	19,000
<b>Budget authority</b> .....			

## Program and Financing (in thousands of dollars)—Continued

Identification code 69-4120-0-3-402	1978 actual	1979 est.	1980 est.
Relation of obligations to outlays:			
71.00 Obligations incurred, net .....	-1,137	-1,232	-1,232
72.10 Receivables in excess of obligations, start of year .....	-105	-81	-81
74.10 Receivables in excess of obligations, end of year .....	81	81	81
90.00 Outlays .....	-1,160	-1,232	-1,232

The fund currently provides direct support for the aviation 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 aviation insurance in wartime and under certain situations short of war. Also available are policies which provide similar 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 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 staff consists of one aviation insurance program officer and one secretary stenographer.

## Revenue and Expense (in thousands of dollars)

	1978 actual	1979 est.	1980 est.
<b>Administrative expenses:</b>			
Revenue .....	1,187	1,397	1,398
Expense .....	-50	-165	-166
Net operating income .....	1,137	1,232	1,232

## Financial Condition (in thousands of dollars)

	1977 actual	1978 actual	1979 est.	1980 est.
<b>Assets:</b>				
Fund balance with Treasury .....	216	188	55	37
U.S. securities (par) .....	15,195	16,385	17,750	19,000
Accounts receivable .....	105	81	81	81
Total .....	15,516	16,654	17,886	19,118
<b>Government equity:</b>				
Retained earnings .....	15,516	16,654	17,886	19,118
<b>Analysis of changes in Government equity:</b>				
Retained earnings:				
Start of year .....	15,516	16,654	17,886	17,886
Net income for year .....	1,137	1,232	1,232	1,232
Total Government equity (end of year) .....	16,654	17,886	19,118	19,118

## Object Classification (in thousands of dollars)

Identification code 69-4120-0-3-402	1978 actual	1979 est.	1980 est.
11.1 Personnel compensation: Permanent positions .....	44	57	58
12.1 Personnel benefits: Civilian .....	5	6	6

Object Classification (in thousands of dollars)—Continued

Identification code	1978 actual	1979 est.	1980 est.
69-4120-0-3-402			
21.0 Travel and transportation of persons.....	1	1	1
26.0 Supplies and materials.....		1	1
Total direct obligations.....	50	65	66
42.0 Reimbursable obligations: Insurance claims and indemnities.....		100	100
99.0 Total obligations.....	50	165	166

Personnel Summary

Total number of permanent positions.....	2	2	2
Full-time equivalent of other positions.....	0	0	0
Total compensable work-years.....	2	2	2
Average GS grade.....	11.00	11.00	11.00
Average GS salary.....	\$27,872	\$28,077	\$28,886

Trust Funds

AIRPORT AND AIRWAY TRUST FUND

Amounts Available for Appropriation (In thousands of dollars)

	1978 actual	1979 est.	1980 est.
Unappropriated balance, start of year.....	2,490,839	3,187,183	3,596,960
Revenue.....	1,545,257	1,703,600	1,520,500
Proposed legislation (net).....			409,300
Total available for appropriation.....	4,036,096	4,890,783	5,526,760
Appropriations:			
Facilities and equipment.....	-200,000	-282,297	-250,000
Proposed supplemental.....		-13,563	
Research, engineering and development..	-80,800	-75,100	-75,100
Proposed supplemental.....		-3,500	
Grants-in-aid for airports:			
Appropriation.....	-15,000	-15,000	-10,000
Appropriation to liquidate contract authority.....	-325,000	-550,000	-610,000
Operations: Trust fund transfer to operations, general fund, for maintaining air navigation facilities.....	-275,000	-300,000	-293,020
Total appropriations.....	-895,800	-1,239,460	-1,238,120
Reappropriation: Facilities and equipment....	-9,000	-54,363	
Unobligated balance returned to unappropriated receipts.....	55,328		
Adjustments in expired amount, return to unappropriated receipts.....	559		
Unappropriated balance, end of year.....	3,187,183	3,596,960	4,288,640

The Airport and Airway Revenue Act of 1970 (49 U.S.C. 1742(a)) as amended provides for the revenues received in the Treasury from passenger ticket tax and certain other taxes paid by airport and airway users to be transferred from the general fund of the Treasury to the Airport and airway trust fund. The Secretary of the Treasury estimates the amount to be so transferred. In turn, 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):

Unexpended balance brought forward:	1978 actual	1979 estimate	1980 estimate
U.S. securities (par).....	3,245,981	3,686,537	4,214,646

	1978 actual	1979 estimate	1980 estimate
Cash.....	21,869	11,210	10,000
Balance of fund, start of year.....	3,267,850	3,697,747	4,224,646
Cash income during the year:			
Government receipts:			
From excise taxes:			
Passenger ticket tax.....	1,109,324	1,197,900	1,015,000
Waybill tax.....	64,887	66,600	57,000
Fuel tax.....	49,907	71,000	59,000
International passenger tax.....	76,527	72,000	56,000
Aircraft use tax.....	26,424	29,100	23,000
Aircraft tires and tubes tax.....	990	1,000	1,000
Refunds of taxes.....	-2,008	-2,000	-2,000
Proposed legislation (net).....			409,300
Passenger ticket tax.....			(338,800)
Waybill tax.....			(19,500)
Fuel ad valorem tax.....			(23,000)
International passenger tax.....			(18,500)
Aircraft use tax.....			(7,400)
Interest on investments.....			(1,500)
Intrabudgetary transaction: Interest on investments.....	219,207	268,000	311,500
Total annual income.....	1,545,257	1,703,600	1,929,800
Cash outgo during the year:			
Federal Aviation Administration:			
Grants-in-aid for airports.....	562,156	565,000	570,000
Facilities and equipment.....	211,002	227,600	213,300
Proposed supplemental.....		4,611	6,782
Research, engineering and development.....	67,127	78,000	71,900
Proposed supplemental.....		1,700	1,800
Operations.....	275,075	299,790	293,020
Total annual outgo.....	1,115,361	1,176,701	1,156,802
Unexpended balance carried forward:			
U.S. securities (par).....	3,686,537	4,214,646	4,987,644
Cash.....	11,210	10,000	10,000
Balance of fund, end of year.....	3,697,747	4,224,646	4,997,644
Commitment against unexpended balances:			
Appropriated but not expended.....	-510,564	-627,686	-709,004
Committed to future liquidating cash appropriations:			
To liquidate outstanding obligations (contract authority).....	-815,285	-894,425	-834,425
To reserve funds equivalent to cumulative shortfalls below minimum annual obligation levels (Public Law 95-85).....	-189,663	-139,603	-199,603
Uncommitted balance, end of year.....	2,182,235	2,562,932	3,254,612

Note—The budget schedule above reflects legislation to extend existing tax structures thru September 30, 1980, except that a fuel ad valorem tax will replace the existing fuel tax effective July 1, 1980.

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, [\$550,000,000] \$610,000,000; and for airport planning grants [\$15,000,000] \$10,000,000, 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, 1979.)

Program and Financing (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-8106-0-7-402			
Program by activities:			
1. Grants for planning.....	14,015	15,000	10,000
2. Grants for construction.....	539,832	629,140	550,000
3. Grants for State standards.....	128	872	

## GRANTS-IN-AID FOR AIRPORTS—Continued

## Program and Financing (in thousands of dollars)—Continued

Identification code	69-8106-0-7-402	1978 actual	1979 est.	1980 est.
10.00	Total program costs, funded—obligations (object class 41.0) .....	553,975	645,012	560,000
<b>Financing:</b>				
17.00	Recovery of prior year obligations .....	-1,403		
	Unobligated balance available, start of year:			
21.40	Appropriation .....	-4,859	-7,119	-6,247
21.49	Contract authority .....	-87,394	-87,563	-87,563
	Unobligated balance available, end of year:			
24.40	Appropriation .....	7,119	6,247	6,247
24.49	Contract authority .....	87,563	87,563	147,563
	<b>Budget authority .....</b>	<b>555,000</b>	<b>644,140</b>	<b>620,000</b>
<b>Budget authority:</b>				
40.00	Appropriation .....	340,000	565,000	620,000
40.49	Portion applied to liquidate contract authority .....	-325,000	-550,000	-610,000
43.00	<b>Appropriation (adjusted) .....</b>	<b>15,000</b>	<b>15,000</b>	<b>10,000</b>
<b>Contract authority:</b>				
49.10	Current (90 Stat. 872, 873) .....		54,140	
69.10	Permanent (90 Stat. 872, 873) .....	540,000	575,000	610,000
<b>Relation of obligations to outlays:</b>				
71.00	Obligations incurred, net .....	552,572	645,012	560,000
72.10	Receivables in excess of obligations, start of year .....		-2,077	-1,205
	Obligated balance, start of year:			
72.40	Appropriation .....	222,339		
72.49	Contract authority .....	602,022	815,285	894,425
74.10	Receivables in excess of obligations, end of year .....	2,077	1,205	
	Obligated balance, end of year:			
74.40	Appropriation .....			-48,795
74.49	Contract authority .....	-815,285	-894,425	-834,425
77.00	Adjustments in expired accounts .....	-1,569		
90.00	Outlays .....	562,156	565,000	570,000

## Status of Unfunded Contract Authority (in thousands of dollars)

	1978 actual	1979 est.	1980 est.
Unfunded balance, start of year .....	689,417	902,848	981,988
Contract authority .....	540,000	629,140	610,000
Unfunded adjustments in expired accounts .....	-1,569		
Appropriation to liquidate contract authority .....	-325,000	-550,000	-610,000
Unfunded balance, end of year .....	902,848	981,988	981,988

The Airport and Airway Development Act of 1970 (Public Law 91-258, as amended) authorizes the Secretary of Transportation to incur obligations for airport planning and development grants for 1976 through 1980. The Department of Transportation, through the Federal Aviation Administration, will continue to provide financial assistance to airport sponsors for developing civil airports and bringing existing airports up to standards compatible with the present and future needs of civil aviation. This submission reflects an obligation level of \$560 million, which is \$65 million below the authorized level. All entitlement airport grants will be accommodated within the funding amounts provided in 1980.

The administration will propose legislation calling for a \$4 billion airport grants program for the time period 1981-85.

## FACILITIES AND EQUIPMENT (AIRPORT AND AIRWAY TRUST FUND)\*

\*See Part III for additional information.

## 【(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; to be derived from the Airport and Airway Trust Fund, [\$336,660,000, of which \$54,363,000 shall be derived by transfer from the appropriation "Facilities and Equipment (Airport and Airway Trust Fund), 1976" ] \$250,000,000, to remain available until September 30, [1981] 1984; *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, 1979.)

## Program and Financing (in thousands of dollars)

Identification code	69-8107-0-7-402	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>				
<b>Direct program:</b>				
	1. Air route traffic control centers .....	50,532	30,492	44,332
	2. Airport traffic control towers .....	52,687	81,451	86,254
	3. Flight service facilities .....	16,790	31,762	16,040
	4. Air navigation facilities .....	32,943	97,198	81,733
	5. Housing, utilities, and miscellaneous facilities .....	12,035	8,062	11,665
	6. Aircraft and related equipment .....	1,768	3,021	6,076
	7. Development, test, and evaluation facilities .....	1,022	9,014	3,900
	<b>Total direct program .....</b>	<b>167,777</b>	<b>261,000</b>	<b>250,000</b>
<b>Reimbursable program:</b>				
	1. Air route traffic control facilities .....	761	560	560
	2. Airport traffic control facilities .....	25,088	18,370	18,370
	4. Air navigation facilities .....	1,091	800	800
	5. Housing, utilities, and miscellaneous facilities .....	369	270	270
	<b>Total reimbursable program .....</b>	<b>27,309</b>	<b>20,000</b>	<b>20,000</b>
10.00	Total program costs, funded—obligations .....	195,086	281,000	270,000
<b>Financing:</b>				
<b>Offsetting collections from:</b>				
11.00	Federal funds .....	-20,723	-17,900	-17,900
14.00	Non-Federal sources .....	-6,586	-2,100	-2,100
21.40	Unobligated balance available, start of year .....	-275,497	-261,393	-337,053
24.40	Unobligated balance available, end of year .....	261,393	337,053	337,053
25.00	Unobligated balance lapsing .....	55,328		
	<b>Budget authority .....</b>	<b>209,000</b>	<b>336,660</b>	<b>250,000</b>
<b>Budget authority:</b>				
40.00	Appropriation .....	200,000	282,297	250,000
50.00	Reappropriation .....	9,000	54,363	
<b>Relation of obligations to outlays:</b>				
71.00	Obligations incurred, net .....	167,777	261,000	250,000



## Program and Financing (in thousands of dollars)—Continued

Identification code	69-8107-0-7-402	1978 actual	1979 est.	1980 est.
72.40	Obligated balance, start of year .....	252,078	208,236	241,636
74.40	Obligated balance, end of year .....	-208,236	-241,636	-278,336
77.00	Adjustments in expired accounts .....	-617		
90.00	Outlays .....	211,002	227,600	213,300

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 administration will propose legislation calling for a \$2.1 billion facilities/equipment program for the time period 1981-85. The 1980 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.

Funding in the amount of \$33.8 million is contained in the 1980 request to finance the third year of the four year VOR/VORTAC equipment replacement program. When fully implemented this program will provide annual savings to the Government of 728 employee-years and \$21 million. This request also contains the initial funding increment of a multi-year program to replace terminal vacuum tube radars. 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.*—Long range radar provides FAA air traffic controllers with information on aircraft positions, at distances up to 185 miles. Automation equipment includes computers and other devices which aid controllers in handling en route air traffic. Other center facilities cover the installation of equipment to provide communications and related services.

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

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

4. *Air navigation facilities.*—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. Low and medium frequency facilities include radio beacons and ranges which provide pilots with direction and weather information. 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 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, modification, and/or replacement 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.

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	1978 actual	1979 est.	1980 est.
<b>Direct obligations:</b>				
Personnel compensation:				
11.1	Permanent positions .....	26,072	28,674	29,027
11.3	Positions other than permanent .....	225	308	314
11.5	Other personnel compensation .....	1,797	1,703	1,699
Total personnel compensation .....				
12.1	Personnel benefits: Civilian .....	28,094	30,685	31,040
21.0	Travel and transportation of persons .....	3,173	3,466	3,506
22.0	Transportation of things .....	5,981	6,200	6,400
23.2	Communications, utilities, and other rent ...	1,390	1,075	1,053
24.0	Printing and reproduction .....	933	399	390
25.0	Other services .....	391	222	224
26.0	Supplies and materials .....	17,908	33,038	31,818
31.0	Equipment .....	10,492	19,357	18,642
32.0	Lands and structures .....	74,268	137,017	131,956
Total direct obligations .....				
167,777				
<b>Reimbursable obligations:</b>				
Personnel compensation:				
11.1	Permanent positions .....	558	1,132	1,071
11.5	Other personnel compensation .....	14	37	32
Total personnel compensation .....				
12.1	Personnel benefits: Civilian .....	572	1,169	1,103
21.0	Travel and transportation of persons .....	26	132	125
22.0	Transportation of things .....	122	175	178
23.2	Communications, utilities, and other rent ...	19	16	18
24.0	Printing and reproduction .....	9	9	10
25.0	Other services .....	9	15	15
26.0	Supplies and materials .....	1,801	1,242	1,236
31.0	Equipment .....	565	390	388
32.0	Lands and structures .....	22,707	15,655	15,581
Total reimbursable obligations .....				
27,309				
99.0	Total obligations .....	195,086	281,000	270,000

## Personnel Summary

<b>Direct:</b>			
Total number of permanent positions .....	1,413	1,332	1,332
Full-time equivalent of other positions .....	21	17	17
Total compensable work-years .....	1,349	1,283	1,279
Average GS grade .....	10.27	10.62	10.62
Average GS salary .....	\$21,277	\$22,726	\$23,102

FACILITIES AND EQUIPMENT (AIRPORT AND AIRWAY TRUST FUND)—  
Continued

Personnel Summary—Continued			
Average salary of ungraded positions.....	\$18,598	\$20,210	\$20,444
Reimbursable:			
Total number of permanent positions.....	60	60	60
Full-time equivalent of other positions.....	0	0	0
Total compensable work-years.....	54	55	53
Average GS grade.....	10.61	10.04	10.04
Average GS salary.....	\$19,579	\$20,189	\$20,435
Average salary of ungraded positions.....	\$15,005	\$15,831	\$16,038

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

\*See Part III for additional information.

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; \$75,100,000, 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, 1979.)

Program and Financing (in thousands of dollars)			
Identification code 69-8108-0-7-402	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
Direct program:			
1. Air traffic control .....	59,113	60,671	57,173
2. Navigation .....	11,828	17,440	12,277
3. Aviation weather .....	6,384	4,461	4,850
4. Aviation medicine .....	713	1,475	800
Total direct program .....	78,038	84,047	75,100
Reimbursable program:			
1. Air traffic control .....	115	625	665
2. Navigation .....	700	80	90
3. Aviation weather .....	10		
Total reimbursable program .....	825	705	755
10.00 Total obligations .....	78,863	84,752	75,855
<b>Financing:</b>			
Offsetting collections from:			
11.00 Federal funds .....	-807	-530	-565
14.00 Non-Federal sources .....	-18	-175	-190
21.40 Unobligated balance available, start of year .....	-6,186	-8,947	
24.40 Unobligated balance available, end of year..	8,947		
40.00 Budget authority (appropriation) ..	80,800	75,100	75,100
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	78,038	84,047	75,100
72.40 Obligated balance, start of year .....	16,243	27,154	33,201
74.40 Obligated balance, end of year .....	-27,154	-33,201	-36,401
90.00 Outlays .....	67,127	78,000	71,900

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.

In 1979 the administration will propose legislation calling for a \$500 million research engineering and development program for the time period 1981-85.

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.

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	1978 actual	1979 est.	1980 est.
69-8108-0-7-402			
<b>Direct obligations:</b>			
<b>Personnel compensation:</b>			
11.1	20,967	22,953	22,312
11.3	1,394	1,737	1,759
11.5	518	687	643
11.8	76	65	65
	22,955	25,442	24,779
12.1	2,106	2,340	2,279
21.0	1,069	1,064	1,170
22.0	114	79	96
23.2	431	550	611
25.0	48,195	52,771	44,845
26.0	664	1,506	1,101
31.0	2,504	295	219
	78,038	84,047	75,100
<b>Reimbursable obligations:</b>			
11.3	52	36	36
12.1	8	4	4
25.0	663	635	685
26.0	72	30	30
31.0	30		
	825	705	755
99.0	78,863	84,752	75,855

**Personnel Summary**

<b>Direct:</b>			
Total number of permanent positions	865	799	799
Full-time equivalent of other positions	119	104	104
Total compensable work-years	974	936	901
Average GS grade	11.47	11.29	11.46
Average GS salary	\$27,261	\$28,814	\$29,031
Average salary of ungraded positions	\$18,948	\$19,232	\$19,292
<b>Reimbursable:</b>			
Total number of permanent positions	0	0	0
Full-time equivalent of other positions	0	0	0
Total compensable work-years	3	3	3

**OPERATIONS (AIRPORT AND AIRWAY TRUST FUND)**

**Program and Financing (in thousands of dollars)**

Identification code	1978 actual	1979 est.	1980 est.
69-8104-0-7-402			
<b>Program by activities:</b>			
10.00			
Payment to Operations (Federal) appropriation (costs—obligations) (object class 25.0)	275,000	300,000	293,020
<b>Financing:</b>			
40.00			
Budget authority (appropriation)	275,000	300,000	293,020
<b>Relation of obligations to outlays:</b>			
71.00	275,000	300,000	293,020
72.40	—193	—210	
74.40	210		
77.00	58		
90.00	275,075	299,790	293,020

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 1980 trust fund receipts will permit a partial 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.

The administration will propose legislation to increase significantly the level of trust funds allocated to cover operations and maintenance expenses of the Federal Aviation Administration. During the 1981-85 time period, \$8 billion will be proposed for these operational and maintenance activities.

**AIRCRAFT LOAN GUARANTEE PROGRAM**

(Public Law 85-307, as amended)

**Status of Loan Guarantees (in thousands of dollars)**

	1978 actual	1979 est.	1980 est.
<b>Cumulative balance of guarantees outstanding:</b>			
Loan guarantees outstanding, start of year	182,255	208,823	191,571
Loan guarantees	40,909		
Loan guarantees repaid or prepaid	—14,341	—17,252	—19,789
Loan guarantees outstanding, end of year	208,823	191,571	171,782

Pursuant to Public Law 85-307, as amended, the Secretary of Transportation was authorized to provide Government guaranty of private loans to certain air carriers for the purchase of modern aircraft and equipment. This authority expired September 7, 1977.

**AIRLINE DEREGULATION ACT OF 1978**

**Status of Loan Guarantees (in thousands of dollars)**

	1978 actual	1979 est.	1980 est.
<b>Position with respect to limitation on loan guarantees:</b>			
Increase in limitation		50,000	100,000
Loan guarantee commitments		—50,000	—100,000
<b>Cumulative balance of guarantees outstanding:</b>			
Loan guarantees outstanding, start of year			46,252
Loan guarantees		50,000	100,000
Loan guarantees repaid or prepaid		—3,748	—10,011
Loan guarantees outstanding, end of year		46,252	136,241

On October 24, 1978, a new program for aircraft loan guarantees (Public Law 95-504) was enacted. The table above reflects the expected level of loan guaranty activity for commuter air carriers.

**FEDERAL HIGHWAY ADMINISTRATION**

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 1980 budget contemplates \$8,553.9 million in obligations and \$7,230.0 million in outlays. The following table compares 1980 program level (obligations) with those of prior years (in millions of dollars). The budget increases largely result from enactment of the Federal-Aid Highway Act of 1978.

## FEDERAL HIGHWAY ADMINISTRATION—Continued

	(In millions of dollars)		
	1978 actual	1979 estimate	1980 estimate
Account:			
Federal-aid highways.....	7,134.8	7,600.0	8,400.0
Interstate systems.....	(3,190.8)	(3,475.0)	(3,675.0)
Rural and small urban.....	(1,964.1)	(1,822.8)	(1,919.7)
Urbanized area.....	(1,227.9)	(1,033.0)	(1,125.8)
Bridge construction.....	(170.7)	(550.0)	(900.0)
Safety and other.....	(581.3)	(719.2)	(779.5)
Motor carrier safety.....	8.0	12.6	13.7
Highway beautification.....	25.1	13.1	.....
Darren Gap Highway.....	.5	.7	.....
Territorial highways.....	5.5	6.7	6.6
Railroad-highway crossings demonstration projects.....	19.6	48.2	20.0
Off-system roads programs.....	292.5	187.8	.....
National Scenic and Recreational Highway.....	42.6	50.0	37.5
Alaska Highway.....	5.9	21.2	.....
Access highways to lakes.....	8.0	11.9	8.5
Highways crossing Federal projects.....	13.4	23.0	14.0
Highway-related safety grants.....	28.0	28.0	28.0
Baltimore-Washington Parkway.....	.3	1.8	.....
Demonstration projects—trust fund.....	26.7	17.9	.....
Highway safety research and development.....	8.9	9.3	9.5
Overseas highway.....	22.4	75.6	13.1
Right-of-way revolving fund.....	-15.8	.....	.....
Miscellaneous items.....	11.6	2.1	2.9
Total program level.....	<u>7,638.0</u>	<u>8,110.1</u>	<u>8,553.9</u>

## 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), **[\$12,351,000]** \$13,738,000, of which **[\$4,000,000]** \$3,800,000 of the amount appropriated herein shall remain available until expended and not to exceed **[\$1,090,000]** \$1,302,000 shall be available for "Limitation on general operating expenses". (Department of Transportation and Related Agencies Appropriation Act, 1979.)

## Program and Financing (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-0552-0-1-401			
<b>Program by activities:</b>			
1. Operations.....	6,350	8,011	8,633
2. Research and development.....	496	1,383	835
3. Demonstration program.....	.....	2,250	3,000
4. Administration.....	987	1,090	1,302
Total program costs, funded.....	7,833	12,734	13,770
Change in selected resources (undelivered orders).....	152	-112	-32
10.00 Total obligations.....	7,986	12,622	13,738
<b>Financing:</b>			
21.40 Unobligated balance available, start of year.....	-2	-27	.....
24.40 Unobligated balance available, end of year.....	27	.....	.....
25.00 Unobligated balance lapsing.....	359	.....	.....
Budget authority.....	<u>8,370</u>	<u>12,595</u>	<u>13,738</u>
<b>Budget authority:</b>			
40.00 Appropriation.....	8,370	12,351	13,738
44.20 Supplemental for civilian pay raises.....	.....	244	.....
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net.....	7,986	12,622	13,738
72.40 Obligated balance, start of year.....	1,042	1,282	1,170
74.40 Obligated balance, end of year.....	-1,282	-1,170	-1,138

## Program and Financing (in thousands of dollars)—Continued

Identification code	1978 actual	1979 est.	1980 est.
69-0552-0-1-401			
90.00 Outlays, excluding pay raise supplemental.....	7,746	12,500	13,760
91.20 Outlays from civilian pay raise supplemental.....	.....	234	10

The motor carrier safety mission is to reduce the risk of accidents in truck and bus highway safety transportation by regulation of motor carriers engaged in interstate commerce. In 1980, efforts will be made to implement fully 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 \$3 million motor carrier safety demonstration program will be continued in 1980. This program provides assistance to selected States for upgrading their enforcement efforts. An increase is proposed for additional Federal enforcement action through the hiring of 45 additional full-time and part-time personnel.

## Object Classification (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-0552-0-1-401			
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	4,997	5,849	6,541
11.3 Positions other than permanent.....	46	54	143
11.5 Other personnel compensation.....	2	10	10
Total personnel compensation.....	5,045	5,913	6,694
12.1 Personnel benefits: Civilian.....	506	558	641
21.0 Travel and transportation of persons.....	635	726	974
22.0 Transportation of things.....	6	1	1
23.2 Communications, utilities, and other rent....	2	6	6
25.0 Other services.....	1,696	5,355	5,340
26.0 Supplies and materials.....	25	32	37
31.0 Equipment.....	71	31	45
99.0 Total obligations.....	7,986	12,622	13,738

## Personnel Summary

Total number of permanent positions.....	241	267	292
Full-time equivalent of other positions.....	5	5	20
Total compensable work-years.....	235	253	296
Average GS grade.....	10.55	10.42	10.33
Average GS salary.....	\$22,197	\$23,039	\$22,828

## HIGHWAY BEAUTIFICATION

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), \$13,135,000, to remain available until expended, together with \$18,000,000, for] For payment of obligations incurred in carrying out the provisions of title 23, United States Code, sections 131, 136, and 319(b), \$25,283,000, to remain available until expended. (Department of Transportation and Related Agencies Appropriation Act, 1979.)

## Program and Financing (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-0540-0-1-401			
<b>Program by activities:</b>			
1. Construction.....	30,312	19,315	15,000
2. Administration.....	1,150	1,185	.....
Total program costs, funded.....	31,462	20,500	15,000

Program and Financing (in thousands of dollars)—Continued			
Identification code	1978 actual	1979 est.	1980 est.
69-0540-0-1-401			
Change in selected resources (undelivered orders)	-6,336	-7,365	-15,000
10.00 Total obligations	25,127	13,135	
<b>Financing:</b>			
Unobligated balance available, start of year:			
21.40 Appropriation	-2,053		
21.49 Contract authority	-4,042		
25.00 Unobligated balance lapsing	118		
<b>Budget authority</b>	<b>19,150</b>	<b>13,135</b>	
<b>Budget authority:</b>			
40.00 Appropriation	24,150	31,135	25,283
40.49 Portion applied to liquidate contract authority	-5,000	-18,000	-25,283
43.00 <b>Appropriation (adjusted)</b>	<b>19,150</b>	<b>13,135</b>	
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net	25,127	13,135	
Obligated balance, start of year:			
72.40 Appropriation	43,761	40,401	51,036
72.49 Contract authority	44,359	43,283	25,283
Obligated balance, end of year:			
74.40 Appropriation	-40,401	-51,036	-61,319
74.49 Contract authority	-43,283	-25,283	
90.00 Outlays	29,563	20,500	15,000
<b>Status of Unfunded Contract Authority (in thousands of dollars)</b>			
Unfunded balance, start of year	48,400	43,283	25,283
Unfunded balance lapsing	-118		
Appropriation to liquidate contract authority	-5,000	-18,000	-25,283
Unfunded balance, end of year	43,283	25,283	

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.

A recent General Accounting Office report indicates that "In light of the problems and limited progress by most States in removing nonconforming signs, it appears that the objectives of the Highway Beautification Act will not be accomplished in the near future." Enactment of the new Surface Transportation Assistance Act has created further problems for the beautification program. The requirement for just compensation for billboard removal is extended to signs that are removed pursuant to local ordinances, thus interjecting Federal requirements into an area that is not its proper province. Electronic signs that previously were not permitted will now be allowed. Last, it is the expressed congressional intent that the Department adopt a more compliant attitude to State-requested exemptions from billboard removal policies.

In light of these developments, the Department is launching a comprehensive review of the outdoor advertising program to determine how and if the program can be successfully continued. Pending completion of this study, no additional funding is proposed for the program.

Object Classification (in thousands of dollars)			
Identification code	1978 actual	1979 est.	1980 est.
69-0540-0-1-401			
25.0 Other services	1,150	1,185	
41.0 Grants, subsidies, and contributions	23,977	11,950	
99.0 Total obligations	25,127	13,135	

DARIEN GAP HIGHWAY

Program and Financing (in thousands of dollars)			
Identification code	1978 actual	1979 est.	1980 est.
69-0553-0-1-151			
<b>Program by activities:</b>			
1. Design and construction	3,295	2,279	2,000
2. Administration	589	721	
Total program costs, funded	3,883	3,000	2,000
Change in selected resources (undelivered orders)			
	-3,331	-2,279	-2,000
10.00 Total obligations	552	721	
<b>Financing:</b>			
21.40 Unobligated balance available, start of year	-1,273	-721	
24.40 Unobligated balance available, end of year	721		
<b>Budget authority</b>			
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net	552	721	
72.40 Obligated balance, start of year	11,829	8,461	6,182
74.40 Obligated balance, end of year	-8,461	-6,182	-4,182
90.00 Outlays	3,920	3,000	2,000

The United States, in cooperation with the Republic of Panama and the Government of Columbia, is participating in the construction of approximately 250 miles of highway through the Darien Gap—an incomplete link in the Inter-American Highway. The Congress rejected requests for funds in both 1978 and 1979.

No appropriation is being requested for 1980.

Object Classification (in thousands of dollars)			
Identification code	1978 actual	1979 est.	1980 est.
69-0553-0-1-151			
<b>Personnel compensation:</b>			
11.1 Permanent positions	365	290	
11.3 Positions other than permanent	5	6	
11.5 Other personnel compensation	3	3	
Total personnel compensation	373	299	
12.1 Personnel benefits: Civilian	55	114	
13.0 Benefits for former personnel	1		
21.0 Travel and transportation of persons	17	31	
22.0 Transportation of things	1	91	
23.2 Communications, utilities, and other rent	31	35	
25.0 Other services	70	148	
26.0 Supplies and materials	4	3	
99.0 Total obligations	552	721	

Personnel Summary

Total number of permanent positions	25	15
Full-time equivalent of other positions	1	1
Total compensable work-years	16	13
Average GS grade	10.29	10.29
Average GS salary	\$24,595	\$25,318

## General and special funds—Continued

## TERRITORIAL HIGHWAYS

For necessary expenses in carrying out the provisions of title 23, United States Code, sections 152, 153, 215, and 402, \$6,600,000, to remain available until expended, together with **[\$5,500,000]** \$4,168,000 for payment of obligations, incurred in carrying out the provisions of title 23, United States Code, sections 215, 402, and 405, to remain available until expended. (Department of Transportation and Related Agencies Appropriation Act, 1979.)

## Program and Financing (in thousands of dollars)

Identification code 69-0556-0-1-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
1. Territorial highways .....	2,392	3,000	3,915
2. Safety programs .....	160	790	953
3. Administration .....	210	210	132
Total program costs, funded .....	2,762	4,000	5,000
Change in selected resources (undelivered orders) .....	2,746	2,692	1,600
10.00 Total obligations .....	5,508	6,692	6,600
<b>Financing:</b>			
21.40 Unobligated balance available, start of year .....		-92	
24.40 Unobligated balance available, end of year ..	92		
Budget authority .....	5,600	6,600	6,600
<b>Budget authority:</b>			
40.00 Appropriation .....	5,890	12,100	10,768
40.49 Portion applied to liquidate contract authority .....	-290	-5,500	-4,168
43.00 Appropriation (adjusted) .....	5,600	6,600	6,600
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	5,508	6,692	6,600
Obligated balance, start of year:			
72.40 Appropriation .....	1,750	4,408	12,600
72.49 Contract authority .....	9,962	9,668	4,168
Obligated balance, end of year:			
74.40 Appropriation .....	-4,408	-12,600	-18,368
74.49 Contract authority .....	-9,668	-4,168	
77.00 Adjustments in expired accounts .....	-5		
90.00 Outlays .....	3,141	4,000	5,000
<b>Status of Unfunded Contract Authority (in thousands of dollars)</b>			
Unfunded balance, start of year .....	9,962	9,668	4,168
Adjustments in expired accounts .....	-5		
Appropriation to liquidate contract authority .....	-290	-5,500	-4,168
Unfunded balance, end of year .....	9,668	4,168	

Grants are authorized by 23 U.S.C. 215(a) and section 104(a)(11) of the Federal-Aid Highway Act of 1978 to assist the territorial governments of the Virgin Islands, Guam, and American Samoa and the Commonwealth of the Northern Marianas Islands in the improvement of their highway systems. Assistance is provided for an arterial highway system, and necessary interisland connectors, as designated by each governor and approved by the Secretary of Transportation.

Under the Federal-Aid Highway Act of 1978, the four governments are now also eligible for funding from the hazard elimination and highway-related safety grants programs. A program level of \$6.6 million (including the safety programs) is anticipated in 1980, approximately the same as in 1979, for the territorial highways program.

## Object Classification (in thousands of dollars)

Identification code 69-0556-0-1-401	1978 actual	1979 est.	1980 est.
25.0 Other services .....	210	210	132
41.0 Grants, subsidies, and contributions .....	5,298	6,482	6,468
99.0 Total obligations .....	5,508	6,692	6,600

## [RAILROAD-HIGHWAY CROSSINGS DEMONSTRATION PROJECTS]

[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, \$40,000,000 of which \$26,666,667 shall be derived from the Highway Trust Fund.] (Department of Transportation and Related Agencies Appropriation Act, 1979.)

## Program and Financing (in thousands of dollars)

Identification code 69-0557-0-1-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
1. Railroad-highway crossings .....	3,363	9,000	16,000
2. Rail crossings .....	3,660	4,600	4,000
Total program costs, funded .....	7,023	13,600	20,000
Change in selected resources (undelivered orders) .....	12,566	34,606	
10.00 Total obligations (object class 41.0) ..	19,589	48,206	20,000
<b>Financing:</b>			
13.00 Offsetting collections from: Trust funds .....	-12,322	-30,463	-13,333
21.40 Unobligated balance available, start of year ..	-16,578	-11,077	-6,667
24.40 Unobligated balance available, end of year ..	11,077	6,667	
40.00 Budget authority (appropriation) ..	1,767	13,333	
<b>Distribution of budget authority by account:</b>			
Railroad-highway crossings .....	1,767	13,333	
<b>Distribution of obligations by account:</b>			
Railroad-highway crossings .....	3,027	14,510	6,667
Rail crossings .....	4,240	3,233	
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	7,267	17,743	6,667
72.40 Obligated balance, start of year .....	6,399	10,705	22,547
74.40 Obligated balance, end of year .....	-10,705	-22,547	-21,414
90.00 Outlays .....	2,962	5,900	7,800
<b>Distribution of outlays by account:</b>			
Railroad-highway crossings .....	738	3,000	5,300
Rail crossings .....	2,224	2,900	2,500

Select projects are authorized 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 1979 and 1980 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. Unobligated balances of \$20 million are expected to be available for programming in 1980.

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. 1980 funding required for this program is provided under the Northeast corridor improvement program administered by





## General and special funds—Continued

## [OFF-SYSTEM RAILWAY-HIGHWAY CROSSINGS]—Continued

## Program and Financing (in thousands of dollars)

Identification code 69-0502-0-1-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
1. Off-system roads.....	65,166	44,000	8,000
2. Safer off-system roads.....	22,304	59,500	79,800
3. Off-system railway-highway crossings.....	8,675	35,000	35,000
Total program costs, funded.....	96,145	138,500	122,800
Change in selected resources (undelivered orders).....	196,351	49,294	-122,800
10.00 Total obligations.....	292,496	187,794	.....
<b>Financing:</b>			
Unobligated balance available, start of year:			
21.40 Appropriation.....	-248,011	-155,366	.....
21.49 Contract authority.....	-37,278	-2,428	.....
Unobligated balance available, end of year:			
24.40 Appropriation.....	155,366	.....	.....
24.49 Contract authority.....	2,428	.....	.....
Budget authority.....	165,000	30,000	.....
<b>Budget authority:</b>			
40.00 Appropriation.....	210,000	74,000	10,000
40.49 Portion applied to liquidate contract authority.....	-45,000	-44,000	-10,000
43.00 Appropriation (adjusted).....	165,000	30,000	.....
<b>Distribution of budget authority by account:</b>			
Safer off-system roads.....	90,000	21,063	.....
Off-system railway-highway crossings.....	75,000	8,937	.....
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net.....	292,496	187,794	.....
Obligated balance, start of year:			
72.40 Appropriation.....	39,200	259,584	350,450
72.49 Contract authority.....	80,222	70,072	28,500
Obligated balance, end of year:			
74.40 Appropriation.....	-259,584	-350,450	-237,650
74.49 Contract authority.....	-70,072	-28,500	-18,500
90.00 Outlays.....	82,262	138,500	122,800
<b>Distribution of outlays by account:</b>			
Off-system roads.....	56,380	44,000	8,000
Safer off-system roads.....	19,314	59,500	79,800
Off-system railway-highway crossings.....	6,568	35,000	35,000

## Status of Unfunded Contract Authority (in thousands of dollars)

Unfunded balance, start of year.....	117,500	72,500	10,000
Appropriation to liquidate contract authority.....	-45,000	-44,000	-10,000
Appropriation to liquidate contract authority (supplemental request).....	.....	-18,500	.....
Unfunded balance, end of year.....	72,500	10,000	.....

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 for construction, reconstruction, and improvement of roads not on the Federal-aid highway system. This program was superseded by the Safer off-system roads program.

2. *Safer off-system roads.*—This program is for construction, reconstruction, and improvement of any off-system road, and is to include correction of safety haz-

ards, replacement of bridges, and elimination of high-hazard locations and roadside obstacles.

3. *Off-system railway-highway crossings.*—This program is 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.

No funds are being sought for this account in 1980 for several reasons. First, increased Federal highway funding assistance is provided in other accounts. This is shown by the fact that the total highway program level is proposed to increase from \$7.6 billion in 1978, to \$8.1 billion in 1979, to \$8.6 billion in 1980, and the Federal matching share for many programs has been increased from 70% to 75%. Second, Federal assistance for construction of off-system roads is included in several other FHWA appropriations. For example, in the Federal-aid highway account, funds for Pavement Marking, Railway-Highway Crossings, and Bridge Replacement and Rehabilitation may be used off-system.

## Object Classification (in thousands of dollars)

Identification code 69-0502-0-1-401	1978 actual	1979 est.	1980 est.
25.0 Other services.....	8,260	5,067	.....
41.0 Grants, subsidies, and contributions.....	284,236	182,727	.....
99.0 Total obligations.....	292,496	187,794	.....
<b>Distribution of obligations by account:</b>			
Off-system roads.....	34,850	2,428	.....
Safer off-system roads.....	182,844	118,919	.....
Off-system railway-highway crossings.....	74,801	66,447	.....

## [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, \$7,900,000, to remain available until September 30, 1981.] (Department of Transportation and Related Agencies Appropriation Act, 1979.)

## Program and Financing (in thousands of dollars)

Identification code 69-0503-0-1-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
Access highways to public recreation areas on certain lakes (program costs, funded).....	915	3,000	4,000
Change in selected resources (undelivered orders).....	7,070	8,944	4,520
10.00 Total obligations (object class 41.0).....	7,984	11,944	8,520
<b>Financing:</b>			
21.40 Unobligated balance available, start of year.....	-12,710	-12,564	-8,520
24.40 Unobligated balance available, end of year.....	12,564	8,520	.....
25.00 Unobligated balance lapsing.....	813	.....	.....
40.00 Budget authority (appropriation).....	8,650	7,900	.....
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net.....	7,984	11,944	8,520
72.40 Obligated balance, start of year.....	1,586	8,700	17,644
74.40 Obligated balance, end of year.....	-8,700	-17,644	-22,164
90.00 Outlays.....	870	3,000	4,000

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 appropriation received for 1979 will fully fund the 19 projects authorized by the Congress. Therefore, no new budget authority is requested for 1980. Funds for additional projects of this nature are available in the Federal-aid highways program which is national in scope and available to all States on an equitable basis. \$8.5 million of unobligated balances are anticipated to be available for programing in 1980.

**HIGHWAYS CROSSING FEDERAL PROJECTS**

For necessary expenses in carrying out the provisions of 23 U.S.C. 156, [“\$16,000,000”] \$14,000,000, to remain available until September 30, 1981. (Department of Transportation and Related Agencies Appropriation Act, 1979.)

**Program and Financing (in thousands of dollars)**

Identification code	1978 actual	1979 est.	1980 est.
69-0510-0-1-401			
<b>Program by activities:</b>			
Highways crossing Federal projects (program costs, funded).....	16,223	14,500	11,000
Change in selected resources (undelivered orders).....	-2,804	8,536	3,000
10.00 Total obligations (object class 41.0) ..	13,419	23,036	14,000
<b>Financing:</b>			
21.40 Unobligated balance available, start of year ..	-454	-7,036	
24.40 Unobligated balance available, end of year..	7,036		
40.00 Budget authority (appropriation) ..	20,000	16,000	14,000
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	13,419	23,036	14,000
72.40 Obligated balance, start of year .....	47,559	44,755	53,291
74.40 Obligated balance, end of year .....	-44,755	-53,291	-56,291
90.00 Outlays .....	16,223	14,500	11,000

The Federal-Aid Highway Act of 1976 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. A program level of \$14 million is planned for 1980, utilizing the entire \$100 million authorized and thereby completing the program.

**[SANDHILL CRANE WILDLIFE REFUGE]**

["For necessary expenses of land acquisition in Jackson County, Mississippi, with respect to Interstate Route 10, \$4,000,000, to remain available until expended: *Provided*, That the Secretary of Transportation is authorized to transfer said land to the Secretary of the Interior, who shall administer it as a wildlife refuge."] (Department of Transportation and Related Agencies Appropriation Act, 1979.)

**Program and Financing (in thousands of dollars)**

Identification code	1978 actual	1979 est.	1980 est.
69-0509-0-1-302			
<b>Program by activities:</b>			
10.00 Sandhill Crane Wildlife Refuge (costs—obligations) .....			
<b>Financing:</b>			
Budget authority .....			

**Program and Financing (in thousands of dollars)—Continued**

Identification code	1978 actual	1979 est.	1980 est.
69-0509-0-1-302			
<b>Budget authority:</b>			
40.00 Appropriation .....		4,000	
41.00 Transferred to other accounts .....		-4,000	
43.00 Appropriation (adjusted) .....			
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....			
90.00 Outlays .....			

This appropriation provided for the acquisition of land in Jackson County, Miss., to be administered by the Secretary of Interior as a wildlife refuge for the Mississippi Sandhill Crane. The appropriations are being transferred to the Department of Interior in 1979.

**MISCELLANEOUS APPROPRIATIONS**

**Program and Financing (in thousands of dollars)**

Identification code	1978 actual	1979 est.	1980 est.
69-9911-0-1-401			
<b>Program by activities:</b>			
1. Inter-American Highway .....	1		
2. Highway-related safety grants .....	3,900	200	372
3. Alaskan assistance .....	211	6	
4. Rural highway public transportation .....	5,962	750	1,566
5. Chamizal Memorial Highway .....	1		
6. Bikeway program .....	1,658	750	1,000
7. Highway beautification .....	46	50	50
8. Forest highways .....	123	25	25
9. Public lands highways .....	209	57	50
10. Salaries and expenses .....	103	13	12
11. Alaska roads study .....	200		
Total program costs, funded .....	12,413	1,851	3,075
Change in selected resources (undelivered orders) .....	-3,443	-1,150	-3,075
10.00 Total obligations .....	8,970	701	
<b>Financing:</b>			
13.00 Offsetting collections from: Trust funds .....	-2,480		
21.40 Unobligated balance available, start of year .....	-8,201	-1,791	-1,090
24.40 Unobligated balance available, end of year..	1,791	1,090	1,090
25.00 Unobligated balance restored .....	-80		
<b>Budget authority .....</b>			
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	6,490	701	
72.40 Obligated balance, start of year .....	13,785	10,187	9,037
74.40 Obligated balance, end of year .....	-10,187	-9,037	-5,962
77.00 Adjustments in expired accounts .....	-103		
90.00 Outlays .....	9,985	1,851	3,075
<b>Distribution of outlays by account:</b>			
Highway-related safety grants .....	4,025	200	372
Alaskan assistance .....	211	6	
Rural highway public transportation .....	2,731	750	1,566
Bikeway program .....	1,410	750	1,000
Highway beautification .....	22	50	50
Forest highways .....	76	25	25
Public lands highways .....	317	57	50
Salaries and expenses .....	963	13	12
Alaska roads study .....	200		
Integrated grant administration .....	29		

This account includes the Inter-American Highway, Highway-related safety grants, Alaskan assistance, Rural highway public transportation demonstration

## General and special funds—Continued

## MISCELLANEOUS APPROPRIATIONS—Continued

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 1980 and subsequent years.

## Object Classification (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-9911-0-1-401			
25.0 Other services .....	200		
41.0 Grants, subsidies, and contributions .....	8,770	701	
99.0 Total obligations .....	8,970	701	
Distribution of obligations by account:			
Alaskan assistance .....	217		
Rural highway public transportation .....	4,300		
Bikeway program .....	1,693	701	
Highway beautification .....	80		
Alaska roads study .....	200		

## Trust Funds

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

For carrying out the provisions of title 23, United States Code, which are attributable to Federal-aid highways, not otherwise provided, including reimbursements for sums expended pursuant to the provisions of 23 U.S.C. 308, [ "\$6,950,000,000" ] \$6,900,000,000 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, 1979.)

## Program and Financing (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
20-8102-0-7-401			
<b>Program by activities:</b>			
Direct program:			
1. Interstate system .....	2,713,359	3,500,743	3,675,000
2. Rural and small urban area transportation programs .....	1,586,182	1,866,090	1,919,720
3. Urbanized area transportation programs .....	987,733	1,061,833	1,125,816
4. Bridge program .....	170,700	550,000	900,000
5. Construction safety programs .....	265,064	455,149	500,000
6. Administration and research .....	125,703	159,158	174,464
7. Other .....	87,153	110,000	105,000
Total direct program costs, funded .....	5,935,894	7,702,975	8,400,000
Reimbursable program:			
1. Construction .....	6,040	7,000	7,000
2. Administration .....	27,817	29,000	23,000
Total reimbursable program costs, funded .....	33,858	36,000	30,000
Total program costs, funded .....	5,969,752	7,738,973	8,430,000
Change in selected resources (undelivered orders) .....	1,264,814		
10.00 Total obligations .....	7,234,566	7,738,973	8,430,000
<b>Financing:</b>			
Offsetting collections from:			
11.00 Federal funds .....	-32,310	-34,300	-28,300
13.00 Trust funds .....	-1,274	-1,400	-1,400
14.00 Non-Federal sources:			
Loan repayments .....	-56,115	-100,197	
Other .....	-274	-300	-300
17.00 Recovery of prior year obligations .....	-9,789	-2,776	

## Program and Financing (in thousands of dollars)—Continued

Identification code	1978 actual	1979 est.	1980 est.
20-8102-0-7-401			
21.49 Unobligated balance available, start of year .....	-6,185,115	-5,707,772	-6,101,839
24.49 Unobligated balance available, end of year .....	5,707,772	6,101,839	6,301,379
25.00 Unobligated balance lapsing .....	39,249		
<b>Budget authority .....</b>	<b>6,696,711</b>	<b>7,994,067</b>	<b>8,599,540</b>
<b>Budget authority:</b>			
Current:			
40.00 Appropriation .....	5,850,000	6,950,000	6,900,000
40.49 Portion applied to liquidate contract authority .....	-5,850,000	-6,950,000	-6,900,000
43.00 Appropriation (adjusted) .....			
49.10 Contract authority (Public Law 95-599) .....		7,994,067	
Reduction in contract authority under sec. 110, Public Law 94-280 .....	-146,067		
Permanent:			
69.10 Contract authority (Public Laws 94-280, 95-599) .....	6,842,778		8,599,540
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	7,134,804	7,600,000	8,400,000
Obligated balance, start of year:			
72.40 Appropriation .....	699,735	673,446	1,053,446
72.49 Contract authority .....	9,281,993	10,566,797	11,216,797
Obligated balance, end of year:			
74.40 Appropriation .....	-673,446	-1,053,446	-1,023,446
74.49 Contract authority .....	-10,566,797	-11,216,797	-12,716,797
90.00 Outlays .....	5,876,289	6,570,000	6,930,000

Note.—Includes \$638 thousand in 1979 and excludes \$728 thousand in 1980 for activities transferred to Salaries and expenses, Employment and Standards Administration, Department of Labor. A comparable amount for 1978 (\$588 thousand) is included above.

## Status of Unfunded Contract Authority (in thousands of dollars)

	1978 actual	1979 est.	1980 est.
Unfunded balance, start of year .....	15,467,108	16,274,569	17,318,636
Contract authority .....	6,842,778	7,994,067	8,599,540
Reduction in contract authority under sec. 110, Public Law 94-280 .....	-146,067		
Unfunded balance lapsing .....	-39,249		
Transfer from Highway trust fund to liquidate contract authority .....	-5,850,000	-6,950,000	-6,900,000
Unfunded balance, end of year .....	16,274,569	17,318,636	19,018,176

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. The Federal share of most other Federal-aid projects was 70%, but the 1978 Highway Act increased it to 75%. The Federal share of project costs is higher than 75% in those States with large areas of public domain.

1. *Interstate system.*—As of September 30, 1978, 39,135 miles of the 42,500-mile system were open to traffic. In addition to assistance for construction and improvement of Interstate segments, provision is made for resurfacing, restoring, and rehabilitating older parts of the system. At State and local option, authorizations for nonessential segments deleted from the system may be

DEPARTMENT OF TRANSPORTATION

utilized for improvements on bus and rail transportation systems or on other highway systems. The Federal-aid Highway Act of 1978 changed the period of fund availability to 2 years at which time unobligated balances will become discretionary for the purpose of accelerating the construction of the Interstate System.

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). A portion of the financial assistance will be for projects to resurface, restore, and rehabilitate primary and secondary highways. 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. *Bridge program.*—Provides financial assistance to States for projects designed to replace or rehabilitate structurally deficient bridges which are hazardous to the safety of motorists.

5. *Construction safety programs.*—Provides financial assistance to States for safety improvements to the highway systems. Programs that may be pursued include: (1) a safety improvement program (which includes projects for eliminating hazards and roadside obstacles), (2) pavement marking demonstration projects, and (3) rail-highway crossings.

6. *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.

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

Allowable net obligations under the Federal-aid highways obligation limitation will be approximately \$8.6 billion for both 1979 and 1980, including the highway emergency relief program (see "General Provisions"). Nevertheless, consistent with experience of the past 3 years, it is likely that States will again fall short of obligating all the funds allowed within the limitation. Obligations of \$7.6 billion are estimated for 1979 and \$8.4 billion for 1980—\$1.0 billion and \$0.2 billion short of the obligation limitation, respectively. However, all authorized funds are being apportioned to the States and may be obligated, without Federal constraints, to the levels authorized within the annual limitations.

Object Classification (in thousands of dollars)—Continued

Identification code	20-8102-0-7-401	1978 actual	1979 est.	1980 est.
<b>Direct obligations:</b>				
	Personnel compensation .....	2,649	3,331	3,564
12.1	Personnel benefits: Civilian .....	271	345	368
21.0	Travel and transportation of persons .....	974	1,000	1,000
22.0	Transportation of things .....	235	250	270
23.2	Communications, utilities, and other rent .....	186	200	210
24.0	Printing and reproduction .....	10	11	11
25.0	Other services .....	1,024	1,085	1,150
26.0	Supplies and materials .....	36	38	40
31.0	Equipment .....	1	2	2
32.0	Lands and structures .....	25,671	27,210	28,840
41.0	Grants, subsidies, and contributions .....	6,987,383	7,335,642	8,024,081
44.0	Refunds .....	26		
93.0	Limitation on general operating expenses (see separate schedule) .....			
	<b>Total direct obligations .....</b>	<b>7,160,862</b>	<b>7,528,272</b>	<b>8,234,000</b>
<b>Reimbursable obligations:</b>				
	Personnel compensation .....	7,238	7,317	7,766
12.1	Personnel benefits: Civilian .....	537	561	595
13.0	Benefits for former personnel .....	11		
21.0	Travel and transportation of persons .....	259	260	260
22.0	Transportation of things .....	96	100	110
23.2	Communications, utilities, and other rent .....	278	300	310
24.0	Printing and reproduction .....	23	25	27
25.0	Other services .....	2,310	5,403	4,670
26.0	Supplies and materials .....	436	460	490
31.0	Equipment .....	720	760	800
32.0	Lands and structures .....	2	1,790	1,900
42.0	Insurance claims and indemnities .....	5	5	5
93.0	Limitation on general operating expenses (see separate schedule) .....			
	<b>Total reimbursable obligations .....</b>	<b>33,857</b>	<b>36,000</b>	<b>30,000</b>
	<b>Total obligations, Federal Highway Administration .....</b>	<b>7,194,719</b>	<b>7,564,272</b>	<b>8,264,000</b>
<b>ALLOCATION ACCOUNTS</b>				
<b>Personnel compensation:</b>				
11.1	Permanent positions .....	760	862	842
11.3	Positions other than permanent .....	1,138	1,313	1,187
11.5	Other personnel compensation .....	143	173	166
	<b>Total personnel compensation .....</b>	<b>2,041</b>	<b>2,348</b>	<b>2,195</b>
12.1	Personnel benefits: Civilian .....	183	227	211
21.0	Travel and transportation of persons .....	55	71	64
22.0	Transportation of things .....	166	193	178
23.2	Communications, utilities, and other rent .....	111	122	116
24.0	Printing and reproduction .....	2	4	3
25.0	Other services .....	34,214	163,849	158,810
26.0	Supplies and materials .....	380	697	390
31.0	Equipment .....	39	74	50
32.0	Lands and structures .....	2,651	7,111	3,979
41.0	Grants, subsidies, and contributions .....	2		
42.0	Insurance, claims, and indemnities .....	3	5	4
	<b>Total obligations, allocation accounts .....</b>	<b>39,847</b>	<b>174,071</b>	<b>166,000</b>
99.0	<b>Total obligations .....</b>	<b>7,234,566</b>	<b>7,738,973</b>	<b>8,430,000</b>

Obligations are distributed as follows:

Federal Highway Administration .....	7,194,719	7,564,272	8,264,000
National Highway Traffic Safety Administration .....	106		
Urban Mass Transportation Administration .....	30,617	150,000	150,000
Army: Corps of Engineers .....	481	4,160	4,000
Agriculture: Forest Service .....	6,998	16,332	10,000
<b>Interior:</b>			
Bureau of Land Management .....	11	81	
Bureau of Indian Affairs .....	842	2,754	1,000
National Park Service .....	791	1,374	1,000

Object Classification (in thousands of dollars)

Identification code	20-8102-0-7-401	1978 actual	1979 est.	1980 est.
<b>FEDERAL HIGHWAY ADMINISTRATION</b>				
<b>Personnel compensation:</b>				
11.1	Permanent positions .....	8,790	9,222	9,802
11.3	Positions other than permanent .....	640	926	978
11.5	Other personnel compensation .....	457	500	550
	<b>Total personnel compensation .....</b>	<b>9,887</b>	<b>10,648</b>	<b>11,330</b>

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

Personnel Summary

FEDERAL HIGHWAY ADMINISTRATION			
<b>Direct:</b>			
Total number of permanent positions.....	137	137	137
Full-time equivalent of other positions.....	41	50	50
Total compensable work-years.....	170	175	175
Average GS grade.....	8.62	8.62	8.62
Average GS salary.....	\$17,850	\$19,021	\$19,244
<b>Reimbursable:</b>			
Total number of permanent positions.....	386	334	324
Full-time equivalent of other positions.....	30	50	50
Total compensable work-years.....	344	357	356
Average GS grade.....	8.37	8.37	8.37
Average GS salary.....	\$17,894	\$19,166	\$19,475
<b>ALLOCATION ACCOUNTS</b>			
Total number of permanent positions.....	200	215	210
Full-time equivalent of other positions.....	150	172	154
Total compensable work-years.....	240	263	246
Average GS grade.....	8.74	8.74	8.74
Average GS salary.....	\$18,096	\$19,091	\$19,091

LIMITATION ON GENERAL OPERATING EXPENSES

Necessary expenses for administration, operation, and research of the Federal Highway Administration not to exceed **[\$169,650,000]** \$186,081,000 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 **[\$35,400,000]** \$43,050,000 of the amount provided herein shall remain available until expended. (Department of Transportation and Related Agencies Appropriation Act, 1979.)

Program and Financing (in thousands of dollars)

	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
1. Program direction and coordination:			
(a) Executive direction.....	563	687	705
(b) Legal services.....	1,421	1,640	1,684
(c) Program review and investigations.....	310	999	1,025
(d) Public affairs.....	268	237	242
(e) Civil rights.....	743	770	791
2. General program support:			
(a) Program and highway planning.....	7,409	8,517	9,264
(b) Research and development.....	20,886	21,544	27,751
(c) Administrative support.....	27,495	29,647	29,914
(d) National Highway Institute.....	2,112	2,084	2,097
(e) Career development programs.....	3,019	3,826	3,826
3. Highway programs:			
(a) Engineering and traffic operations.....	7,049	6,907	7,087
(b) Right-of-way and environment.....	3,360	3,442	3,531
(c) Highway safety.....	10,140	10,463	10,658
(d) Construction skill training.....	9,819	10,390	10,000
4. Field operations.....	69,744	77,024	78,956
Total program costs, funded—obligations...	164,338	178,177	187,531
<b>Financing:</b>			
Offsetting collections from: Federal funds.....	-1,816	-1,500	-1,500
Unobligated balance available, start of year.....	-2,350	-2,257	.....
Unobligated balance available, end of year.....	2,257	.....	.....
Unobligated balance lapsing.....	2,896	.....	.....
Limitation.....	165,325	169,650	186,031
Proposed increased due to civilian pay increases.....	.....	4,770	.....

This limitation provides for the salaries and expenses of the Federal Highway Administration.

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 programing; (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.

Major new elements of this program in 1980 include: (1) an additional \$5.6 million for completion of an expanded surface transportation research and development facility at Langley, Va.; (2) an additional \$1.0 million for skill training of minorities for employment in the highway construction industry; and (3) an additional \$1.0 million for a program to reduce "red tape" in interstate trucking.

Consistent with Government-wide efforts to trim Federal employment, FHWA employment attributable to this account will decrease from 3,839 work-years in 1979 to 3,769 work-years in 1980.

Object Classification (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
20-8102-0-7-401			
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	86,465	92,251	92,847
11.3 Positions other than permanent.....	1,608	1,897	1,996
11.5 Other personnel compensation.....	484	436	462
Total personnel compensation.....	88,557	94,584	95,305

Object Classification (in thousands of dollars)—Continued

Identification code	20-8102-0-7-401	1978 actual	1979 est.	1980 est.
12.1	Personnel benefits: Civilian.....	9,852	9,968	10,078
13.0	Benefits for former personnel.....	2		
21.0	Travel and transportation of persons.....	5,271	5,832	5,832
22.0	Transportation of things.....	699	821	821
23.1	Standard level user charges.....	6,811	7,456	8,333
23.2	Communications, utilities, and other rent....	3,440	4,749	5,023
24.0	Printing and reproduction.....	1,788	1,894	1,771
25.0	Other services.....	45,383	50,021	51,769
26.0	Supplies and materials.....	894	959	1,006
31.0	Equipment.....	1,635	993	1,043
32.0	Lands and structures.....		900	6,550
42.0	Insurance claims and indemnities.....	6		
93.0	Administrative expenses included in sched- ule for fund as a whole.....	-164,338	-178,177	-187,531
99.0	Total obligations.....			

Personnel Summary

Total number of permanent positions.....	3,827	3,799	3,799
Full-time equivalent of other positions.....	142	165	165
Total compensable work-years.....	3,837	3,839	3,769
Average GS grade.....	10.33	10.33	10.33
Average GS salary.....	\$23,615	\$25,186	\$25,515

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

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, **[\$23,000,000]** \$26,500,000 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, 1979.)

Program and Financing (in thousands of dollars)

Identification code	69-8019-0-7-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>				
	1. State and community grants.....	17,173	18,267	22,367
	2. Administration of grant programs.....	633	633	633
	Total program costs, funded.....	17,806	18,900	23,000
	Change in selected resources (undelivered orders).....	10,194	9,100	5,000
10.00	Total obligations.....	28,000	28,000	28,000
<b>Financing:</b>				
21.49	Unobligated balance available, start of year	-63,173	-59,929	-56,602
24.49	Unobligated balance available, end of year..	59,929	56,602	53,275
	<b>Budget authority.....</b>	<b>24,756</b>	<b>24,673</b>	<b>24,673</b>
<b>Budget authority:</b>				
Current:				
40.00	Appropriation.....	20,000	23,000	26,500
40.49	Portion applied to liquidate contract authority.....	-20,000	-23,000	-26,500
43.00	<b>Appropriation (adjusted).....</b>			
Permanent:				
69.10	Contract authority (90 Stat. 451, 92 Stat. 2727).....	24,756	24,673	24,673
<b>Relation of obligations to outlays:</b>				
71.00	Obligations incurred, net.....	28,000	28,000	28,000
Obligated balance, start of year:				
72.40	Appropriation.....		4,470	8,570
72.49	Contract authority.....	23,298	31,298	36,298
Obligated balance, end of year:				
74.40	Appropriation.....	-4,470	-8,570	-12,070

Program and Financing (in thousands of dollars)—Continued

Identification code	69-8019-0-7-401	1978 actual	1979 est.	1980 est.
74.49	Contract authority.....	-31,298	-36,298	-37,798
90.00	Outlays.....	15,530	18,900	23,000
<b>Status of Unfunded Contract Authority (in thousands of dollars)</b>				
	Unfunded balance, start of year.....	86,471	91,227	92,900
	Contract authority.....	24,756	24,673	24,673
	Appropriation to liquidate contract authority.....	-20,000	-23,000	-26,500
	Unfunded balance, end of year.....	91,227	92,900	91,073

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 and the Highway Safety Act of 1978 provided additional authorizations which were entirely trust funded and extended grant eligibility to Indian reservations and the four U.S. territories. Funds for the territories are included in the Territorial Highways account.

Object Classification (in thousands of dollars)

Identification code	69-8019-0-7-401	1978 actual	1979 est.	1980 est.
25.0	Other services.....	633	633	633
41.0	Grants, subsidies, and contributions.....	27,367	27,367	27,367
99.0	Total obligations.....	28,000	28,000	28,000

BALTIMORE-WASHINGTON PARKWAY

Program and Financing (in thousands of dollars)

Identification code	69-8014-0-7-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>				
	Baltimore-Washington Parkway (program costs, funded).....	119	500	
	Change in selected resources (undelivered orders).....	181	1,294	
10.00	Total obligations (object class 32.0).....	300	1,794	
<b>Financing:</b>				
21.40	Unobligated balance available, start of year	-2,094	-1,794	
24.40	Unobligated balance available, end of year..	1,794		
<b>Budget authority.....</b>				
<b>Relation of obligations to outlays:</b>				
71.00	Obligations incurred, net.....	300	1,794	
72.40	Obligated balance, start of year.....	2,919	3,095	4,389
74.40	Obligated balance, end of year.....	-3,095	-4,389	-4,389
90.00	Outlays.....	124	500	

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 \$1.8 million will complete environmental and preliminary design studies and begin some right-of-way acquisition. The projects are

## BALTIMORE-WASHINGTON PARKWAY—Continued

not expected to advance to construction in 1980, so no new funds are requested.

## HIGHLAND SCENIC HIGHWAY STUDY

## Program and Financing (in thousands of dollars)

Identification code 69-8013-0-7-401	1978 actual	1979 est.	1980 est.
<b>Financing:</b>			
40.00 Budget authority .....	1,500		
41.00 Transferred to other accounts .....	-1,500		
43.00 <b>Appropriation (adjusted)</b> .....			
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....			
90.00 Outlays .....			

The 1978 Department of Transportation and Related Agencies Appropriation Act contained a one-time item of \$1.5 million 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	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
1. National scenic and recreational highway .....	5,522	14,500	25,000
2. Railroad-highway crossings—demonstration projects .....	3,100	6,000	10,700
3. Rail crossings—demonstration projects ..	1,055	1,700	1,500
4. Rural highway public transportation demonstration program .....	5,500	3,500	3,000
Total program costs, funded .....	15,178	25,700	40,200
Change in selected resources (undelivered orders) .....	23,491	54,763	10,633
10.00 Total obligations (object class 25.0) ..	38,669	80,463	50,833
<b>Financing:</b>			
Unobligated balance available, start of year:			
21.40 Appropriation .....	-29,684	-17,130	-13,334
21.49 Contract authority .....	-76,950	-79,169	-54,169
Unobligated balance available, end of year:			
24.40 Appropriation .....	17,130	13,334	
24.49 Contract authority .....	79,169	54,169	41,669
<b>Budget authority</b> .....	<b>28,333</b>	<b>51,667</b>	<b>25,000</b>
<b>Budget authority:</b>			
<b>Current:</b>			
40.00 Appropriation .....	10,633	39,667	30,800
40.49 Portion applied to liquidate contract authority .....	-7,300	-13,000	-30,800
43.00 <b>Appropriation (adjusted)</b> .....	<b>3,333</b>	<b>26,667</b>	
<b>Permanent:</b>			
69.10 <b>Contract authority (90 Stat. 428)</b> .....	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>

## Program and Financing (in thousands of dollars)—Continued

Identification code 69-8009-0-7-401	1978 actual	1979 est.	1980 est.
<b>Distribution of budget authority by account:</b>			
National scenic and recreational highway .....	25,000	25,000	25,000
Railroad-highway crossings demonstration projects .....	3,333	26,667	
<b>Distribution of obligations by account:</b>			
National scenic and recreational highway .....	23,867	50,000	37,500
Railroad-highway crossings demonstration projects .....	10,169	28,822	13,333
Rail crossings—demonstration projects .....	2,153	1,641	
Rural highway public transportation demonstration program .....	2,480		
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	38,669	80,463	50,833
Obligated balance, start of year:			
72.40 Appropriation .....	33,851	43,004	60,767
72.49 Contract authority .....		15,481	52,481
Obligated balance, end of year:			
74.40 Appropriation .....	-43,004	-60,767	-64,700
74.49 Contract authority .....	-15,481	-52,481	-59,181
90.00 Outlays .....	14,035	25,700	40,200
<b>Distribution of outlays by account:</b>			
National scenic and recreational highway .....	5,478	14,500	25,000
Railroad-highway crossings demonstration projects .....	2,734	6,000	10,700
Rail crossings—demonstration projects .....	909	1,700	1,500
Rural highway public transportation demonstration program .....	4,914	3,500	3,000

## Status of Unfunded Contract Authority (in thousands of dollars)

Unfunded balance, start of year .....	76,950	94,650	106,650
Contract authority .....	25,000	25,000	25,000
Appropriation to liquidate contract authority .....	-7,300	-13,000	-30,800
Unfunded balance, end of year .....	94,650	106,650	100,850

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. The requested appropriation of \$8.5 million, combined with 1979 unobligated balances, will provide for a \$37.5 million program in 1980.

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 and to remain available until expended, **[\$9,000,000] \$9,500,000.** (Department of Transportation and Related Agencies Appropriation Act, 1979.)

**Program and Financing (in thousands of dollars)**

Identification code	1978 actual	1979 est.	1980 est.
69-8017-0-7-401			
<b>Program by activities:</b>			
Highway Safety Research and Development (program costs, funded) .....	8,877	9,000	9,000
Change in selected resources (undelivered orders) .....	9	334	500
10.00 Total obligations (object class 25.0) ..	8,886	9,334	9,500
<b>Financing:</b>			
21.40 Unobligated balance available, start of year ..	—220	—334	.....
24.40 Unobligated balance available, end of year..	334	.....	.....
40.00 Budget authority (appropriation) ..	9,000	9,000	9,500
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	8,886	9,334	9,500
72.40 Obligated balance, start of year .....	15,219	15,228	15,561
74.40 Obligated balance, end of year .....	—15,228	—15,561	—16,061
90.00 Outlays .....	8,877	9,000	9,000

This appropriation, established in 1975, seeks to identify, correct, and evaluate those critical elements that 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 \$9.5 million is planned for 1980 to meet the increasing demands 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, as amended, to remain available until expended, **\$87,100,000** to be derived from the Highway Trust Fund. (Department of Transportation and Related Agencies Appropriation Act, 1979.)

**Program and Financing (in thousands of dollars)**

Identification code	1978 actual	1979 est.	1980 est.
69-8021-0-7-401			
<b>Program by activities:</b>			
Overseas highway (program costs, funded) .....	3,210	15,000	20,000
Change in selected resources (undelivered orders) .....	19,218	60,551	—6,900

**Program and Financing (in thousands of dollars)—Continued**

Identification code	1978 actual	1979 est.	1980 est.
69-8021-0-7-401			
10.00 Total obligations (object class 41.0) ..	22,428	75,551	13,100
<b>Financing:</b>			
21.40 Unobligated balance available, start of year ..	—6,979	—1,551	—13,100
24.40 Unobligated balance available, end of year..	1,551	13,100	.....
40.00 Budget authority (appropriation) ..	17,000	87,100	.....
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	22,428	75,551	13,100
72.40 Obligated balance, start of year .....	4,691	23,909	84,694
74.40 Obligated balance, end of year .....	—23,909	—84,694	—78,564
90.00 Outlays .....	3,210	14,766	19,230

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.

By agreement with the State of Florida, the 1979 appropriation of \$87.1 million completes funding for this program.

**HIGHWAY TRUST FUND**

**Amounts Available for Appropriation (in thousands of dollars)**

	1978 actual	1979 est.	1980 est.
Unexpended balance brought forward .....	10,163,646	11,672,504	12,976,524
Balance in expenditure accounts .....	—84,959	—94,421	—50,000
Appropriation balance .....	—809,203	—836,189	—1,342,733
Unappropriated balance, start of year .....	9,269,482	10,741,893	11,583,791
Receipts (net) existing legislation .....	7,566,594	8,153,000	8,384,000
Total available for appropriation .....	16,836,076	18,894,893	19,967,791
<b>Appropriations:</b>			
<b>Federal Highway Administration:</b>			
Federal-aid highways (liquidation of contract authorization) .....	5,850,000	6,950,000	6,900,000
Highway-related safety grants .....	20,000	23,000	26,500
Demonstration programs .....	27,250	10,000	.....
Trust fund share of other highway programs:			
Appropriation .....	3,333	26,667	.....
Liquidation of contract authorization .....	7,300	13,000	30,800
Highway safety research and development .....	9,000	9,000	9,500
Overseas highway .....	17,000	87,100	.....
Right-of-way revolving fund (liquidation of contract authorization) .....	20,000	.....	.....
<b>National Highway Traffic Safety Administration:</b>			
Trust fund share of highway safety programs:			
Appropriation .....	26,800	26,335	27,351
Liquidation of contract authorization .....	112,000	166,000	171,000
Department of Agriculture, Forest Service: Highland Scenic Highway Study ..	1,500	.....	.....
Total appropriations .....	6,094,183	7,311,102	7,165,151
Unexpended balance, end of year .....	11,672,504	12,976,524	14,138,958
Balance in expenditure accounts .....	—94,421	—50,000	—50,000

## HIGHWAY TRUST FUND—Continued

Amounts Available for Appropriation (in thousands of dollars)—Continued

	1978 actual	1979 est.	1980 est.
Appropriated balance.....	-836,189	-1,342,733	-1,286,318
Unappropriated balance, end of year.....	10,741,893	11,583,791	12,802,640

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):

	1978 actual	1979 estimate	1980 estimate
Unexpended balance brought forward:			
U.S. securities (par).....	10,078,687	11,578,082	12,926,524
Cash.....	84,959	94,421	50,000
Balance of fund at start of year.....	10,163,646	11,672,504	12,976,524
Cash income during the year: Governmental receipts:			
From excise taxes:			
Gasoline tax.....	4,383,397	4,597,000	4,606,000
Truck, bus and trailer taxes.....	850,519	884,000	940,000
Tire, innertube, and tread rubber taxes.....	818,354	869,000	883,000
Diesel fuel taxes.....	484,611	574,000	616,000
Lubricating oil taxes.....	105,987	105,000	106,000
Use tax on certain vehicles.....	245,546	253,000	262,000
Truck parts and accessories tax.....	187,469	203,000	224,000
Transfers to land and water conservation fund.....	-34,000	-34,000	-35,000
Refund of taxes.....	-137,447	-134,000	-136,000
Intrabudgetary transactions:			
Interest on investments.....	662,155	836,000	918,000
Miscellaneous interest.....	5		
Total annual income.....	7,566,594	8,153,000	8,384,000
Cash outgo during the year:			
Federal Highway Administration appropriations:			
Federal-aid highways (liquidation of contract authorization).....	5,876,289	6,570,000	6,930,000
Highway-related safety grants.....	15,530	18,900	23,000
Baltimore-Washington Parkway.....	124	500	
Demonstration programs.....	7,124	9,000	9,200
Trust fund share of other highway programs:			
Appropriation.....	8,557	11,200	15,200
Liquidation of contract authorization.....	5,478	14,500	25,000
Highway safety research and development.....	8,877	9,000	9,000
Overseas highway.....	3,210	14,766	19,230
Right-of-way revolving fund (liquidation of contract authorization).....	-16,884		
National Highway Traffic Safety Administration appropriations:			
Trust fund share of highway safety programs:			
Appropriation.....	25,721	31,564	22,412
Liquidation of contract authorization.....	117,979	166,500	164,655
Department of Agriculture, Forest Service appropriations:			
Highland Scenic Highway.....	5,732	2,050	3,369
Highland Scenic Highway study.....		1,000	500
Total annual outgo.....	6,057,737	6,848,980	7,221,566
Unexpended balance carried forward:			
U.S. securities (par).....	11,578,082	12,926,524	14,088,958

	1978 actual	1979 estimate	1980 estimate
Cash.....	94,421	50,000	50,000
Balance of fund at end of year.....	11,672,504	12,976,524	14,138,958

## MISCELLANEOUS TRUST FUNDS

Program and Financing (in thousands of dollars)

Identification code 69-9971-0-7-151	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
1. Cooperative work, forest highways.....	31	722	500
2. Equipment, supplies, etc., for cooperating countries.....	312	1,500	1,000
3. Technical assistance, U.S. dollars advanced from foreign governments.....	1,643	900	900
4. Contributions for highway research programs.....	2,281	500	500
5. Advances from State cooperating agencies.....	33	27	25
Total program costs, funded.....	4,300	3,649	2,925
Change in selected resources (undelivered orders).....	-1,680	-2,224	
10.00 Total obligations.....	2,619	1,425	2,925
<b>Financing:</b>			
Unobligated balance available, start of year:			
21.40 Appropriation.....	-565	-1,275	-126
21.49 Contract authority.....	-21	-21	
Unobligated balance available, end of year:			
24.40 Appropriation.....	1,275	126	
24.49 Contract authority.....	21		
<b>Budget authority.....</b>	<b>3,329</b>	<b>256</b>	<b>2,799</b>
Budget authority:			
Permanent:			
60.00 Appropriation.....	3,329	848	2,799
60.49 Portion applied to liquidate contract authority.....		-592	
<b>63.00 Appropriation (adjusted).....</b>	<b>3,329</b>	<b>256</b>	<b>2,799</b>
Distribution of budget authority by account:			
Cooperative work, forest highways.....	640		500
Equipment, supplies, etc., for cooperating countries.....		106	1,000
Technical assistance, U.S. dollars advanced from foreign governments.....	2,183		774
Contributions for highway research programs.....	481	125	500
Advances from State cooperating agencies.....	26	25	25
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	2,619	1,425	2,925
Obligated balance, start of year:			
72.40 Appropriation.....	3,254	1,652	
72.49 Contract authority.....	571	571	
Obligated balance, end of year:			
74.40 Appropriation.....	-1,652		
74.49 Contract authority.....	-571		
90.00 Outlays.....	4,221	3,649	2,925
Distribution of outlays by account:			
Cooperative work, forest highways.....	33	722	500
Equipment, supplies, etc., for cooperating countries.....	312	1,500	1,000
Technical assistance, U.S. dollars advanced from foreign governments.....	1,563	900	900
Contributions for highway research programs.....	2,277	500	500
Advances from State cooperating agencies.....	36	27	25

Status of Unfunded Contract Authority (dollars in thousands)

Unfunded balance, start of year.....	592	592	.....
Appropriation to liquidate contract authority.....		-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, the Philippines, Saudi Arabia, 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 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	1978 actual	1979 est.	1980 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	431	516	551
11.3 Positions other than permanent.....	43	45	46
11.5 Other personnel compensation.....	68	70	72
Total personnel compensation.....	542	631	669
12.1 Personnel benefits: Civilian.....	47	56	60
13.0 Benefits for former personnel.....	2		
21.0 Travel and transportation of persons.....	141	151	160
22.0 Transportation of things.....	71	75	78
23.2 Communications, utilities, and other rent....	9	10	11
25.0 Other services.....	1,028	34	1,000
26.0 Supplies and materials.....	34	35	37
31.0 Equipment.....	6	6	7
32.0 Lands and structures.....	736	427	903
42.0 Insurance claims and indemnities.....	3		
99.0 Total obligations.....	2,619	1,425	2,925
<b>Distribution of obligations by account:</b>			
Cooperative work, forest highways.....	635	108	500
Equipment, supplies, etc., for cooperating countries.....		106	1,000
Technical assistance, U.S. dollars advanced from foreign governments.....	1,631	828	900
Contributions for highway research programs.....	325	358	500
Advances from State cooperating agencies.....	29	25	25

Personnel Summary

Total number of permanent positions.....	37	19	19
Full-time equivalent of other positions.....	3	3	3
Total compensable work-years.....	17	20	20
Average GS grade.....	14.00	14.00	14.00
Average GS salary.....	\$34,788	\$34,929	\$35,006

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, \$10,000,000, to be derived from the Highway Trust Fund and to remain available until expended.] (Department of Transportation and Related Agencies Appropriation Act, 1979.)

Program and Financing (in thousands of dollars)

Identification code 69-9972-0-7-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
1. Project acceleration demonstration program.....	5,613	3,000	4,000
2. Traffic control signalization demonstration projects.....	1,511	6,000	5,000
3. Intermodal urban demonstration project.....			200
Total program costs, funded.....	7,124	9,000	9,200
Change in selected resources (undelivered orders).....	15,539	8,915	-9,200
10.00 Total obligations (object class 41.0).....	26,663	17,915	
<b>Financing:</b>			
21.40 Unobligated balance available, start of year.....	-7,329	-7,915	
24.40 Unobligated balance available, end of year.....	7,915		
40.00 Budget authority (appropriation).....	27,250	10,000	
<b>Distribution of budget authority by account:</b>			
Project acceleration demonstration.....	5,000	10,000	
Traffic control signalization.....	20,000		
Intermodal urban demonstration.....	2,250		
<b>Distribution of obligations by account:</b>			
Project acceleration demonstration.....	10,171	10,029	
Traffic control signalization.....	16,492	5,637	
Intermodal urban demonstration.....		2,250	
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net.....	26,663	17,915	
72.40 Obligated balance, start of year.....	12,164	31,703	40,618
74.40 Obligated balance, end of year.....	-31,703	-40,618	-31,418
90.00 Outlays.....	7,124	9,000	9,200
<b>Distribution of outlays by account:</b>			
Project acceleration demonstration.....	5,613	3,000	4,000
Traffic control signalization.....	1,511	6,000	5,000
Intermodal urban demonstration.....			200

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 1979 total \$25 million, and are expected to be obligated by the end of that year for a highway interchange near Everett, Pa.

2. *Traffic control signalization demonstration projects.*—This program is intended to improve traffic

MISCELLANEOUS TRUST FUNDS—DEMONSTRATION PROJECTS—  
Continued

signal control systems by using technology not now in general use.

It is estimated that all \$30 million 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. No additional funding will be requested in 1980 because the outcome of social, economic and environmental studies are pending.

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

Program and Financing (in thousands of dollars)			
Identification code 69-8402-0-8-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
Advance acquisition of right-of-way (program costs, funded).....	15,801		
Change in selected resources (undelivered orders).....	-15,801		
10.00 Total obligations.....			
<b>Financing:</b>			
17.00 Recovery of prior year obligations.....	-15,801		
21.49 Unobligated balance available, start of year.....	-24,858	-40,659	-40,659
24.49 Unobligated balance available, end of year..	40,659	40,659	40,659
<b>Budget authority</b> .....			
Budget authority:			
40.00 Appropriation.....	20,000		
40.49 Portion applied to liquidate contract authority.....	-20,000		
43.00 Appropriation (adjusted).....			
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	-15,801		
Obligated balance start of year:			
72.49 Contract authority.....	60,142	24,341	24,341
72.98 Fund balance.....	36,698	73,582	73,582
Obligated balance, end of year:			
74.49 Contract authority.....	-24,341	-24,341	-24,341
74.98 Fund balance.....	-73,582	-73,582	-73,582
90.00 Outlays.....	-16,884		

Status of Unfunded Contract Authority (in thousands of dollars)			
Unfunded balance, start of year.....	85,000	65,000	65,000
Appropriation from the Highway trust fund to liquidate contract authority.....	-20,000		
Unfunded balance, end of year.....	65,000	65,000	65,000

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 seven 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 1980, obligations will be made to the extent of States reimbursements to the revolving fund.

## Revenue and Expenses (in thousands of dollars)

	1978 actual	1979 est.	1980 est.
Advances for acquisition of right-of-way program:			
Expense.....	-16,884		
Net operating loss.....	-16,884		

## Financial Condition (in thousands of dollars)

	1977 actual	1978 actual	1979 est.	1980 est.
<b>Assets:</b>				
Drawing account with Treasury:				
Advances (loans).....	178,302	161,418	161,418	161,418
Due from Highway trust fund....	36,698	73,582	73,582	73,582
Total assets.....	215,000	235,000	235,000	235,000
<b>Government equity:</b>				
Non-interest-bearing capital:				
Undisbursed loan obligations.....	96,840	97,923	97,923	97,923
Unobligated balance.....	24,858	40,659	40,659	40,659
Contract authority.....	-85,000	-65,000	-65,000	-65,000
Invested capital.....	178,302	161,418	161,418	161,418
Total Government equity... ..	215,000	235,000	235,000	235,000
<b>Analysis of changes in Government equity:</b>				
Non-interest-bearing capital:				
Start of year.....		215,000	235,000	235,000
Appropriation.....		20,000		
Total Government equity, end of year.....		235,000	235,000	235,000

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:	1978 actual	1979 estimate	1980 estimate
Operations and research appropriation:			
Traffic and motor vehicle safety programs.....	42,388	43,896	45,347
Highway safety research and development.....	26,800	26,335	27,351
Automotive fuel economy and consumer information.....	10,200	12,389	12,471
State and community highway safety:			
Appropriation.....	1,664	1,715	2,297

	1978 actual	1979 estimate	1980 estimate
Contract authority.....	150,336	175,785	175,203
Gifts and donations.....	-2		
<b>Total budget authority.....</b>	<b>231,386</b>	<b>260,120</b>	<b>262,669</b>
<b>Program level:</b>			
Highway safety grant program.....	172,000	172,000	175,000
Operations and research.....	81,253	87,862	85,169
Gifts and donations.....		5	
<b>Total program level.....</b>	<b>253,253</b>	<b>259,867</b>	<b>260,169</b>
<b>Outlays:</b>			
Operations and research appropriation:			
Traffic and motor vehicle safety programs.....	61,148	42,775	51,608
Highway safety research and development.....	25,721	31,564	22,412
Automotive fuel economy and consumer information.....	404	5,000	7,000
Gifts and donations.....		5	
Subtotal outlays.....	87,273	79,344	81,020
State and community highway safety appropriation.....	123,080	168,000	166,655
<b>Total outlays.....</b>	<b>210,353</b>	<b>247,344</b>	<b>247,675</b>

**Federal Funds**

**General and special funds:**

**【TRAFFIC AND HIGHWAY SAFETY】**

**OPERATIONS AND RESEARCH**

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), **【\$81,620,000】** \$85,169,000, of which **【\$25,875,000】** \$27,351,000 shall be derived from the Highway Trust Fund: *Provided*, That not to exceed **【\$36,715,000】** \$37,761,000 shall remain available until expended, of which **【\$8,252,000】** \$9,396,000 shall be derived from the Highway Trust Fund. (80 Stat. 718; 86 Stat. 947; 88 Stat. 1470; 89 Stat. 901; 90 Stat. 815; 90 Stat. 981; 92 Stat. 2727; Department of Transportation and Related Agencies Appropriation Act, 1979; additional authorizing legislation to be proposed for \$47,343,000).

**Program and Financing (in thousands of dollars)**

Identification code 69-0650-0-1-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
1. Rulemaking programs.....	3,372	3,116	4,997
2. Enforcement programs.....	11,493	7,565	10,022
3. Highway safety programs.....	21,704	18,518	16,757
4. Research and analysis.....	42,984	41,688	38,231
5. General administration.....	15,017	14,523	17,397
Total program costs, funded.....	94,570	85,410	87,404
Change in selected resources (undelivered orders).....	-5,902	8,356	4,869
10.00 Total obligations.....	88,668	93,766	92,273
<b>Financing:</b>			
Offsetting collections from:			
11.00 Federal funds.....	-3,516	-500	-600
13.00 Trust funds.....	-31,832	-31,686	-33,255
14.00 Non-Federal funds.....	-599	-500	-600
21.40 Unobligated balance available, start of year.....	-5,763	-4,795	
24.40 Unobligated balance available, end of year.....	4,795		
25.00 Unobligated balance lapsing.....	835		
<b>Budget authority.....</b>	<b>52,588</b>	<b>56,285</b>	<b>57,818</b>
<b>Budget authority:</b>			
40.00 <b>Appropriation.....</b>	<b>52,588</b>	<b>55,745</b>	<b>57,818</b>
44.20 <b>Supplemental for civilian pay raises.....</b>		<b>540</b>	
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net.....	52,721	61,080	57,818
72.40 Obligated balance, start of year.....	33,109	24,167	37,472

**Program and Financing (in thousands of dollars)—Continued**

Identification code 69-0650-0-1-401	1978 actual	1979 est.	1980 est.
74.40 Obligated balance, end of year.....	-24,167	-37,472	-36,682
77.00 Adjustments in expired accounts.....	-110		
90.00 Outlays, excluding pay raise supplemental.....	61,552	47,255	58,588
91.20 Outlays from civilian pay raise supplemental.....		520	20

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.

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. **Highway safety programs.**—This activity provides for headquarters and field staff to assist the States in the conduct of their highway safety programs through program guidance, technical assistance and evaluation. Demonstration projects are conducted to show effectiveness of new techniques in operational environments and attain widespread acceptance and adoption of these new techniques and countermeasures. Training courses and materials are developed for use in the States.

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 1980 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	1978 actual	1979 est.	1980 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	21,680	22,972	23,548
11.3 Positions other than permanent.....	1,041	1,100	1,100
11.5 Other personnel compensation.....	404	325	300
Total personnel compensation.....	23,125	24,397	24,948
12.1 Personnel benefits: Civilian.....	2,075	2,062	2,114
21.0 Travel and transportation of persons.....	1,052	996	1,020
22.0 Transportation of things.....	183	200	200

General and special funds—Continued

OPERATIONS AND RESEARCH—Continued

Object Classification (in thousands of dollars)—Continued

Identification code	69-0650-0-1-401	1978 actual	1979 est.	1980 est.
23.1	Standard level user charges.....	2,265	2,400	2,400
23.2	Communications, utilities, and other rent....	1,025	1,100	1,100
24.0	Printing and reproduction.....	996	1,100	1,100
25.0	Other services.....	55,028	59,161	57,041
26.0	Supplies and materials.....	702	1,200	1,200
31.0	Equipment.....	2,174	1,150	1,150
41.0	Grants, subsidies, and contributions.....	43		
99.0	Total obligations.....	88,668	93,766	92,273

Personnel Summary

Total number of permanent positions.....	909	874	874
Full-time equivalent of other positions.....	79	79	79
Total compensable work-years.....	892	891	896
Average GS grade.....	10.97	10.97	10.97
Average GS salary.....	\$25,894	\$27,164	\$27,887

STATE AND COMMUNITY HIGHWAY SAFETY (LIQUIDATION OF CONTRACT AUTHORIZATION)

For payment of obligations incurred in carrying out the provisions of 23 U.S.C. 402 and 406, to remain available until expended, **[\$166,000,000]** \$171,000,000 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, **[\$1,715,000]** \$2,297,000, to remain available until expended. (80 Stat. 731; 92 Stat. 2727, 2728; Department of Transportation and Related Agencies Appropriation Act, 1979.)

Program and Financing (in thousands of dollars)

Identification code	69-0651-0-1-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>				
State and community grants:				
1.	Basic grants program.....	113,601	114,096	111,251
2.	Special programs.....		30,000	40,000
3.	Incentive grant programs.....	10,947	19,000	9,500
4.	Administration of grant program.....	3,300	4,904	5,904
	Total program costs, funded.....	127,848	168,000	166,655
	Change in selected resources (undelivered orders).....	44,152	4,000	8,345
10.00	Total obligations.....	172,000	172,000	175,000
<b>Financing:</b>				
13.00	Offsetting collections from: Trust funds.....	-169,939	-170,285	-172,745
21.40	Unobligated balance available, start of year.....	-865	-468	-468
24.40	Unobligated balance available, end of year.....	468	468	510
40.00	Budget authority (appropriation).....	1,664	1,715	2,297
<b>Relation of obligations to outlays:</b>				
71.00	Obligations incurred, net.....	2,061	1,715	2,255
72.40	Obligated balance, start of year.....	3,597	557	772
74.40	Obligated balance, end of year.....	-557	-772	-1,027
90.00	Outlays.....	5,101	1,500	2,000

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 their highway safety programs. A total of \$175 million is planned for this highway safety program in 1980, compared to \$172 million for 1979.

1. *Basic grants program.*—Allocation of grants is determined on the basis of statutory formula. Incorporat-

ed 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 \$135 million for 1980.

2. *Special programs.*—Again in 1980 it is proposed that funds be specifically dedicated to programs of special importance, such as enforcement of the 55 mile-per-hour speed limit, based on criteria established by the Secretary. It is estimated that \$40 million will be obligated for 55 mile-per-hour enforcement in 1980.

Object Classification (in thousands of dollars)

Identification code	69-0651-0-1-401	1978 actual	1979 est.	1980 est.
25.0	Other services.....	3,300	4,904	5,904
41.0	Grants, subsidies, and contributions.....	168,700	167,096	169,096
99.0	Total obligations.....	172,000	172,000	175,000

Trust Funds

TRUST FUND SHARE OF HIGHWAY SAFETY PROGRAMS

Program and Financing (in thousands of dollars)

Identification code	69-8016-0-7-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>				
1. State and community grants.....				
		117,979	166,500	164,655
2. Highway safety research and development.....				
		25,721	31,564	22,412
	Total program costs, funded.....	143,700	198,064	187,067
	Change in selected resources (undelivered orders).....	54,771	-997	13,029
10.00	Total obligations (object class 25.0).....	198,471	197,067	200,096
<b>Financing:</b>				
Unobligated balance available, start of year:				
21.40	Appropriation.....	-2,258	-447	
21.49	Contract authority.....	-159,445	-139,653	-145,153
Unobligated balance available, end of year:				
24.40	Appropriation.....	447		
24.49	Contract authority.....	139,653	145,153	147,611
25.00	Unobligated balance lapsing.....	268		
	Budget authority.....	177,136	202,120	202,554
<b>Budget authority:</b>				
Current:				
40.00	Appropriation.....	138,800	191,875	198,351
40.49	Portion applied to liquidate contract authority.....	-112,000	-166,000	-171,000
43.00	Appropriation (adjusted).....	26,800	25,875	27,351
44.20	Supplemental for civilian pay raises.....		460	
49.10	Contract authority (92 Stat. 2727, 2728).....		175,785	
Permanent:				
69.10	Contract authority (92 Stat. 2727, 2728).....	150,336		175,203

**Program and Financing (in thousands of dollars)—Continued**

Identification code	1978 actual	1979 est.	1980 est.
69-8016-0-7-401			
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net	198,471	197,067	200,096
<b>Obligated balance, start of year:</b>			
72.40 Appropriation	26,656	23,488	18,206
72.49 Contract authority	126,547	184,486	188,771
<b>Obligated balance, end of year:</b>			
74.40 Appropriation	-23,488	-18,206	-29,490
74.49 Contract authority	-184,486	-188,771	-190,516
90.00 Outlays, excluding pay raise supplemental	143,700	197,604	187,067
91.20 Outlays from civilian pay raise supplemental		460	

**Status of Unfunded Contract Authority (in thousands of dollars)**

	1978 actual	1979 est.	1980 est.
Unfunded balance, start of year	285,992	324,139	333,924
Contract authority	150,336	175,785	175,203
Unfunded balance lapsing	-189		
Appropriation to liquidate contract authority	-112,000	-166,000	-171,000
Unfunded balance, end of year	324,139	333,924	338,127

Funds are transferred to the Operations and research 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	1978 actual	1979 est.	1980 est.
69-8548-0-7-401			
<b>Program by activities:</b>			
10.00 Automotive safety education fund (costs—obligations) (object class 25.0)		5	
<b>Financing:</b>			
21.40 Unobligated balance available, start of year	-7	-5	
24.40 Unobligated balance available, end of year	5		
60.00 <b>Budget authority (appropriation) (permanent)</b>	-2		
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net		5	
90.00 Outlays		5	

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	1978	1979	1980
Office of the Administrator	7	8	8
Railroad safety	20	24	26
Railroad research and development	54	52	56
Rail service assistance	83	84	335
Net increase in U.S. Railway Association/Emergency Rail Service Act obligations guaranteed	77	58	
Northeast corridor improvement	400	490	481
Railroad rehabilitation and improvement:			
Purchase of redeemable preference shares	200	170	

Program Level	1978	1979	1980
Net increase in loans guaranteed	31	189	311
Emergency Rail Service Act (loan guarantees)	2	5	
Alaska Railroad	3	9	5
Subtotal FRA	775	1,084	1,222
National Railroad Passenger Corp. (Amtrak) Grants	716	779	760
Total program	1,591	1,863	1,982

**Federal Funds**

**General and special funds:**

**OFFICE OF THE ADMINISTRATOR**

For necessary expenses of the Federal Railroad Administration, not otherwise provided for, **[\$8,245,000] \$7,705,000.** (Department of Transportation and Related Agencies Appropriation Act, 1979.)

**Program and Financing (in thousands of dollars)**

Identification code	1978 actual	1979 est.	1980 est.
69-0700-0-1-401			
<b>Program by activities:</b>			
1. Executive direction	4,185	4,890	4,040
2. Administration	3,129	3,640	3,665
10.00 Total program costs, funded—obligations	7,314	8,530	7,705
<b>Financing:</b>			
25.00 Unobligated balance lapsing	126		
<b>Budget authority</b>	<b>7,440</b>	<b>8,530</b>	<b>7,705</b>
<b>Budget authority:</b>			
40.00 Appropriation	7,440	8,245	7,705
41.00 Transferred to other accounts		-50	
43.00 <b>Appropriation (adjusted)</b>	<b>7,440</b>	<b>8,195</b>	<b>7,705</b>
44.20 <b>Supplemental for civilian pay raises</b>		<b>335</b>	
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net	7,314	8,530	7,705
72.40 Obligated balance, start of year	663	1,252	1,532
74.40 Obligated balance, end of year	-1,252	-1,532	-1,692
77.00 Adjustments in expired accounts	-208		
90.00 Outlays, excluding pay raise supplemental	6,518	7,950	7,510
91.20 Outlays from civilian pay raise supplemental		300	35

Note.—Excludes \$50 thousand in 1979 and \$56 thousand in 1980 for activities transferred to Employment Standards Administration, Department of Labor. A comparable amount for 1978 (\$45 thousand) is included above.

1. **Executive direction.**—Provides for salaries and related expenses of the Offices of the Administrator, Chief Counsel, Planning and Budget, Civil Rights, and Public Affairs. In addition to dealing with critical policy issues concerning the railroad industry, the executive direction program is also involved in maintaining communications with the general public; developing a work force that includes minority groups and women at all levels; insuring that FRA programs receive legal counsel; and that programs are carried out in a manner consistent with predetermined objectives and budgetary goals.

In 1980, productivity increases are anticipated in legal services programs with emphasis on reducing the backlog of safety violations and increasing the amount of fines collected.

2. **Administration.**—Provides for salaries and related expenses associated with day-to-day operations of the Federal Railroad Administration. The Office of Administration includes the Offices of Personnel and Training,



## General and special funds—Continued

## OFFICE OF THE ADMINISTRATOR—Continued

## Management Systems, Procurement, and Financial Services.

## Object Classification (in thousands of dollars)

Identification code	69-0700-0-1-401	1978 actual	1979 est.	1980 est.
Personnel compensation:				
11.1	Permanent positions.....	4,232	4,574	4,432
11.3	Positions other than permanent.....	361	410	446
11.5	Other personnel compensation.....	68	107	107
Total personnel compensation.....				
12.1	Personnel benefits: Civilian.....	4,661	5,091	4,985
21.0	Travel and transportation of persons.....	418	497	490
22.0	Transportation of things.....	194	208	220
23.1	Standard level user charges.....	11	.....	.....
23.2	Communications, utilities, and other rent....	215	324	324
24.0	Printing and reproduction.....	313	450	450
25.0	Other services.....	200	160	160
26.0	Supplies and materials.....	1,179	1,640	919
31.0	Equipment.....	47	65	64
		76	95	93
99.0	Total obligations.....	7,314	8,530	7,705

## Personnel Summary

Total number of permanent positions.....	202	197	189
Full-time equivalent of other positions.....	24	26	28
Total compensable work-years.....	217	216	210
Average GS grade.....	10.78	10.90	10.84
Average GS salary.....	\$21,374	\$23,456	\$23,700
Average salary of ungraded positions.....	\$14,622	\$14,622	\$14,622

## RAILROAD SAFETY

For necessary expenses in connection with railroad safety, not otherwise provided for, **[\$23,655,000]** \$25,940,000, of which \$7,040,000 shall remain available until expended. (80 Stat. 931; 84 Stat. 971; Department of Transportation and Related Agencies Appropriation Act, 1979.)

## Program and Financing (in thousands of dollars)

Identification code	69-0702-0-1-401	1978 actual	1979 est.	1980 est.
Program by activities:				
	1. Federal enforcement.....	11,214	13,295	14,730
	2. Automated track inspection program.....	5,052	6,999	5,100
	3. Safety regulations and program administration.....	4,270	4,666	4,170
	4. Grants-in-aid for railroad safety.....	1,192	2,668	1,940
10.00	Total program costs, funded—obligations.....	21,728	27,628	25,940
Financing:				
17.00	Recovery of prior year obligations.....	-29	.....	.....
21.40	Unobligated balance available, start of year.....	-5,642	-3,427	.....
24.40	Unobligated balance available, end of year.....	3,427	.....	.....
25.00	Unobligated balance lapsing.....	16	.....	.....
Budget authority.....				
		19,500	24,201	25,940
Budget authority:				
40.00	Appropriation.....	19,500	23,655	25,940
41.00	Transferred to other accounts.....	.....	-24	.....
43.00	Appropriation (adjusted).....	19,500	23,631	25,940
44.20	Supplemental for civilian pay raises.....	.....	570	.....
Relation of obligations to outlays:				
71.00	Obligations incurred, net.....	21,698	27,628	25,940
72.40	Obligated balance, start of year.....	6,075	9,686	8,710
74.40	Obligated balance, end of year.....	-9,686	-8,710	-11,764

## Program and Financing (in thousands of dollars)—Continued

Identification code	69-0702-0-1-401	1978 actual	1979 est.	1980 est.
77.00	Adjustments in expired accounts.....	-472	.....	.....
90.00	Outlays, excluding pay raise supplemental.....	17,616	28,091	22,829
91.20	Outlays from civilian pay raise supplemental.....	.....	513	57
Distribution of outlays by account:				
	Railroad safety.....	17,276	27,962	22,886
	Grants-in-aid for railroad safety.....	340	642	.....

Note.—Excludes \$24 thousand in 1979 and \$27 thousand in 1980 for activities transferred to Employment Standards Administration, Department of Labor. A comparable amount for 1978 (\$22 thousand) is included above.

1. *Federal enforcement.*—Provides for salaries and related expenses of safety field operations and is designed to motivate the railroads to comply with Federal safety laws and regulations to reduce the number of railroad related accidents/incidents. Monitoring of the railroads is accomplished through the use of Federal inspectors. Locomotive and car inspections will remain at approximately the same level as in 1979; track and hazardous material inspections will increase slightly.

2. *Automated track inspection program.*—Enhances the Federal enforcement effort by providing inspection of track and associated components through the use of automated track inspection vehicles. In 1980 these vehicles will monitor track geometry and rail flaws on about 76,000 miles of track.

3. *Safety regulations and program administration.*—Includes salaries and related expenses of safety headquarters personnel together with data gathering and dissemination and planning and evaluation activities. The ongoing responsibility of this program is to develop and subsequently issue new or revised standards, procedures, and regulations as necessary to provide a safer railroad operating and working environment.

4. *Grants-in-aid for railroad safety.*—Assists States in paying salaries and expenses incurred for State safety inspectors authorized under section 206 of the Railroad Safety Act of 1970. In 1980, 100 State inspectors will aid the Federal Railroad Administration in enforcement of Federal safety standards.

## Object Classification (in thousands of dollars)

Identification code	69-0702-0-1-401	1978 actual	1979 est.	1980 est.
Personnel compensation:				
11.1	Permanent positions.....	8,601	9,910	10,060
11.3	Positions other than permanent.....	175	243	324
11.5	Other personnel compensation.....	54	81	85
Total personnel compensation.....				
		8,830	10,234	10,469
12.1	Personnel benefits: Civilian.....	923	1,156	1,180
21.0	Travel and transportation of persons.....	1,559	1,953	1,983
22.0	Transportation of things.....	51	100	100
23.1	Standard level user charges.....	852	790	788
23.2	Communications, utilities, and other rent....	477	1,370	1,367
24.0	Printing and reproduction.....	276	150	156
25.0	Other services.....	7,443	6,864	5,619
26.0	Supplies and materials.....	49	98	98
31.0	Equipment.....	76	2,245	2,240
41.0	Grants, subsidies, and contributions.....	1,192	2,668	1,940
99.0	Total obligations.....	21,728	27,628	25,940

Personnel Summary

Total number of permanent positions.....	400	474	476
Full-time equivalent of other positions.....	12	12	20
Total compensable work-years.....	393	481	478
Average GS grade.....	11.19	11.27	11.27
Average GS salary.....	\$22,282	\$20,907	\$21,107

RAILROAD RESEARCH AND DEVELOPMENT

For necessary expenses for railroad research and development, **[\$51,980,000]** \$56,255,000, 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 92-348; Department of Transportation and Related Agencies Appropriation Act, 1979.)

Program and Financing (in thousands of dollars)

Identification code	69-0745-0-1-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>				
<b>Direct program:</b>				
1. Track, equipment and personnel safety.....	28,550	28,422	28,410	
2. Railroad operational improvements.....	14,448	10,502	6,920	
3. Improved passenger systems.....	4,638	3,257	3,300	
4. Transportation test center.....	11,851	12,537	12,000	
5. Policy support.....	8,268	7,577	5,625	
<b>Total direct program.....</b>	<b>67,755</b>	<b>62,296</b>	<b>56,255</b>	
<b>Reimbursable program:</b>				
1. Track, equipment and personnel safety.....	292	760	760	
3. Improved passenger systems.....	108			
4. Transportation test center.....	4,056	2,500	2,500	
5. Policy support.....	27			
<b>Total reimbursable program.....</b>	<b>4,483</b>	<b>3,260</b>	<b>3,260</b>	
10.00 <b>Total program costs, funded—obligations.....</b>	<b>72,238</b>	<b>65,556</b>	<b>59,515</b>	
<b>Financing:</b>				
<b>Offsetting collections from:</b>				
11.00 Federal funds.....	-4,443	-3,200	-3,200	
14.00 Non-Federal sources.....	-40	-60	-60	
17.00 Recovery of prior year obligations.....	-2,088			
21.40 Unobligated balance available, start of year.....	-22,382	-10,316		
24.40 Unobligated balance available, end of year.....	10,316			
40.00 <b>Budget authority (appropriation) ..</b>	<b>53,600</b>	<b>51,980</b>	<b>56,255</b>	
<b>Relation of obligations to outlays:</b>				
71.00 Obligations incurred, net.....	65,667	62,296	56,255	
72.40 Obligated balance, start of year.....	39,682	42,968	49,814	
74.40 Obligated balance, end of year.....	-42,968	-49,814	-55,394	
90.00 <b>Outlays.....</b>	<b>62,381</b>	<b>55,450</b>	<b>50,675</b>	

1. *Track, equipment and personnel safety.*—The objective of this program is to plan and conduct research that will ultimately improve the safety of train operations and other activities related to railroad vehicles.

2. *Railroad operational improvements.*—This program is utilized to identify and evaluate improvements in the area of freight operations. Specific areas addressed include service reliability, fuel efficiencies, labor/management relations, and classification yard problems.

3. *Improved passenger systems.*—Functions of this program include evaluation of train technology; development of performance requirements for intercity passenger equipment and components; updating and advance-

ment of technology for wayside electrification and vehicle traction; and conducting of limited studies of advanced, nonconventional systems in high pay-off areas.

4. *Transportation test center.*—This is a research and development facility, located at Pueblo, Colo. The center is operated in support of the Department of Transportation and other government agencies and is available to elements of private industry on a reimbursable basis.

5. *Policy support.*—This office is responsible for development of policies that assist railroads, labor and shippers in identifying and overcoming various problems. Through data collection, special studies and regulatory analysis, the Federal Railroad Administration can identify and keep abreast of problems confronting the industry, develop effective programs and policies responsive to national transportation needs, and monitor the implementation of legislation.

Object Classification (in thousands of dollars)

Identification code	69-0745-0-1-401	1978 actual	1979 est.	1980 est.
<b>FEDERAL RAILROAD ADMINISTRATION</b>				
<b>Direct obligations:</b>				
<b>Personnel compensation:</b>				
11.1	Permanent positions.....	3,930	4,500	4,860
11.3	Positions other than permanent.....	298	300	360
11.5	Other personnel compensation.....	27	40	40
	<b>Total personnel compensation.....</b>	<b>4,255</b>	<b>4,840</b>	<b>5,260</b>
12.1	Personnel benefits: Civilian.....	454	500	530
21.0	Travel and transportation of persons.....	315	375	400
22.0	Transportation of things.....	42	100	112
23.1	Standard level user charges.....	90	145	149
23.2	Communications, utilities, and other rent.....	618	390	400
24.0	Printing and reproduction.....	146	120	123
25.0	Other services.....	59,971	53,429	46,886
26.0	Supplies and materials.....	21	30	30
31.0	Equipment.....	596	1,755	1,965
41.0	Grants, subsidies, and contributions.....	10		
	<b>Total direct obligations.....</b>	<b>66,518</b>	<b>61,684</b>	<b>55,855</b>
<b>Reimbursable obligations:</b>				
25.0	Other services.....	4,483	3,260	3,260
	<b>Total obligations, Federal Railroad Administration.....</b>	<b>71,001</b>	<b>64,944</b>	<b>59,115</b>
<b>ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION</b>				
<b>Personnel compensation:</b>				
11.1	Permanent positions.....	184	272	183
11.3	Positions other than permanent.....	28	31	31
11.5	Other personnel compensation.....	5	5	5
	<b>Total personnel compensation.....</b>	<b>217</b>	<b>308</b>	<b>219</b>
12.1	Personnel benefits: Civilian.....	24	30	21
21.0	Travel and transportation of persons.....	55	73	52
22.0	Transportation of things.....	15	49	35
23.2	Communications, utilities, and other rent.....	27	4	3
24.0	Printing and reproduction.....	2	4	3
25.0	Other services.....	841	136	61
26.0	Supplies and materials.....	56	5	4
31.0	Equipment.....		3	2
	<b>Total obligations, allocation to Federal Highway Administration.....</b>	<b>1,237</b>	<b>612</b>	<b>400</b>
99.0	<b>Total obligations.....</b>	<b>72,238</b>	<b>65,556</b>	<b>59,515</b>

## General and special funds—Continued

## RAILROAD RESEARCH AND DEVELOPMENT—Continued

## Personnel Summary

FEDERAL RAILROAD ADMINISTRATION			
Total number of permanent positions.....	162	170	180
Full-time equivalent of other positions.....	20	20	23
Total compensable work-years.....	163	184	196
Average GS grade.....	11.86	11.84	11.86
Average GS salary.....	\$29,226	\$25,977	\$26,530
ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION			
Total number of permanent positions.....	12	12	8
Full-time equivalent of other positions.....	2	2	2
Total compensable work-years.....	12	14	10
Average GS grade.....	11.61	11.61	11.62
Average GS salary.....	\$19,443	\$22,667	\$22,875

## RAIL SERVICE ASSISTANCE\*

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

For necessary expenses for rail service assistance authorized by section 5 of the Department of Transportation Act, as amended, and for necessary administrative expenses in connection with Federal rail assistance programs not otherwise provided for, [\$75,040,000] \$75,810,000, together with [\$9,380,000] \$9,400,000 for the Minority Business Resource Center, as authorized by [section 906] title IX of Public Law 94-210, to remain available until expended. (87 Stat. 985; Department of Transportation and Related Agencies Appropriation Act, 1979.)

## Program and Financing (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-0122-0-1-401			
<b>Program by activities:</b>			
Direct program:			
1. Rail line subsidies.....	99,185	87,696	67,000
2. Washington Union Station model intermodal terminal.....		480	
3. Minority Business Resource Center.....	5,663	17,952	9,400
4. Loan guarantee default/payments of USRA obligations.....	8,024		
5. Other administration and special projects.....	7,063	11,727	8,810
Total direct program costs.....	119,935	117,854	85,210
Reimbursable program:			
5. Other administration and special projects.....	200		
10.00 Total program costs, funded—obligations.....	120,135	117,854	85,210
<b>Financing:</b>			
11.00 Offsetting collections from: Federal funds...	— 200		
17.00 Recovery of prior year obligations.....	— 1,885		
21.40 Unobligated balance available, start of year	— 60,511	— 33,484	
24.40 Unobligated balance available, end of year..	33,484		
<b>Budget authority</b> .....	<b>91,024</b>	<b>84,370</b>	<b>85,210</b>
Budget authority:			
40.00 Appropriation.....	83,000	84,370	85,210
47.10 Authority to borrow (Public Law 93-236).....	8,024		
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	118,051	117,854	85,210
72.40 Obligated balance, start of year.....	50,281	115,557	111,811
74.40 Obligated balance, end of year.....	— 115,557	— 111,811	— 101,021
77.00 Adjustments.....	— 57,375		
90.00 Outlays.....	— 4,601	121,600	96,000

## Status of Loan Guarantees (in thousands of dollars)

Position with respect to limitation on loan guarantees:			
Balance of limitation, start of year.....	52,519		
Loan guarantee commitments.....	— 52,519		
Balance of limitation, end of year.....			
Cumulative balance of guarantees outstanding:			
Loan guarantees outstanding, start of year.....	381,197	448,160	450,713
Loan guarantees.....	76,653	58,100	
Loan guarantees repaid or prepaid.....	— 9,690	— 28,361	— 21,750
Loan guarantees terminated for default.....		— 27,186	
Loan guarantees outstanding, end of year.....	448,160	450,713	428,963

The State rail assistance program, 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.

A Minority Business Resource Center is operated 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 other administration and special projects program provides for the necessary salaries and related expenses of the Federal Railroad Administration in support of Federal assistance programs, in this account as well as in the Railroad rehabilitation and improvement financing account, 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 and Urban Mass Transportation Administration for rapid transit railroad interface.

## Object Classification (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-0122-0-1-401			
<b>FEDERAL RAILROAD ADMINISTRATION</b>			
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	2,456	2,053	2,284
11.3 Positions other than permanent.....	243	197	207
11.5 Other personnel compensation.....	19	17	17
Total personnel compensation.....	2,719	2,267	2,508
12.1 Personnel benefits: Civilian.....	249	206	236
21.0 Travel and transportation of persons.....	198	123	135
22.0 Transportation of things.....	14	25	28
23.1 Standard level user charges.....	230	203	216
23.2 Communications, utilities, and other rent....	209	55	58
24.0 Printing and reproduction.....	108	40	43
25.0 Other services.....	6,922	12,662	8,718
26.0 Supplies and materials.....	27	25	26
31.0 Equipment.....	394	62	67
33.0 Investments and loans.....		12,900	4,500
41.0 Grants, subsidies, and contributions.....	99,185	87,696	67,000
43.0 Interest and dividends.....	8,024		
Total direct obligations.....	118,280	116,264	83,535
Reimbursable obligations:			
25.0 Other services.....	200		
Total obligations, Federal Railroad Administration.....	118,480	116,264	83,535

Object Classification (in thousands of dollars)—Continued

Identification code	1978 actual	1979 est.	1980 est.
ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION			
Personnel compensation:			
11.1 Permanent positions.....	1,302	378	418
11.3 Positions other than permanent.....	13	15	15
11.5 Other personnel compensation.....	3		
Total personnel compensation.....	1,318	393	433
12.1 Personnel benefits: Civilian.....	177	82	45
21.0 Travel and transportation of persons.....	130	95	83
22.0 Transportation of things.....	12	15	3
23.2 Communications, utilities, and other rent....	6		
25.0 Other services.....	4	935	1,036
26.0 Supplies and materials.....	3		
31.0 Equipment.....	5		
Total obligations, allocation to Federal Highway Administration.....	1,655	1,520	1,600
ALLOCATION TO URBAN MASS TRANSPORTATION ADMINISTRATION			
11.1 Personnel compensation: Permanent positions.....		44	45
12.1 Personnel benefits: Civilian.....		4	5
21.0 Travel and transportation of persons.....		5	5
22.0 Transportation of things.....		2	2
23.1 Standard level user charges.....		2	2
23.2 Communications, utilities, and other rent....		2	2
24.0 Printing and reproduction.....			2
25.0 Other services.....		4	5
26.0 Supplies and materials.....		2	2
31.0 Equipment.....		5	5
Total obligations, allocation to Urban Mass Transportation Administration.....		70	75
99.0 Total obligations.....	120,135	117,854	85,210

Personnel Summary

FEDERAL RAILROAD ADMINISTRATION			
Total number of permanent positions.....	104	89	95
Full-time equivalent of other positions.....	8	8	9
Total compensable work-years.....	106	94	100
Average GS grade.....	12.32	11.72	11.71
Average GS salary.....	\$24,317	\$23,067	\$24,042
ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION			
Total number of permanent positions.....	55	15	15
Full-time equivalent of other positions.....	1	1	1
Total compensable work-years.....	45	15	16
Average GS grade.....	12.24	12.53	12.63
Average GS salary.....	\$27,569	\$27,696	\$28,678
ALLOCATION TO URBAN MASS TRANSPORTATION ADMINISTRATION			
Total number of permanent positions.....		4	4
Full-time equivalent of other positions.....		0	0
Total compensable work-years.....		2	2
Average GS grade.....		12.00	12.00
Average GS salary.....		\$23,087	\$23,857

NORTHEAST CORRIDOR IMPROVEMENT PROGRAM\*

\*See Part III for additional information.

For necessary expenses related to Northeast Corridor improvements authorized by title VII of Public Law 94-210, as amended, and title I of Public Law 95-599, **[\$455,000,000]** **\$481,000,000**, to remain

available until expended: *Provided*, That, notwithstanding any other provisions of law, the provisions of Public Law 85-804 shall apply to the Northeast Corridor Improvement Program: *Provided further*, 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. (37 Stat. 985; Department of Transportation and Related Agencies Appropriation Act, 1979.)

Program and Financing (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
Program by activities:			
1. Construction.....	284,002	511,153	398,100
(a) Boston-New Haven.....	(89,827)	(141,273)	(123,700)
(b) New Haven-New York.....	(24,955)	(29,045)	(49,600)
(c) New York-Philadelphia.....	(77,141)	(142,659)	(81,200)
(d) Philadelphia-Washington....	(92,080)	(198,175)	(143,600)
2. System engineering/program management and administration.....	36,623	49,316	51,900
3. Public grade crossing elimination.....			31,000
10.00 Total program costs, funded—obligations.....	320,625	560,469	481,000
Financing:			
17.00 Recovery of prior year obligations..	—92		
21.40 Unobligated balance available, start of year.....	—26,002	—105,469	
24.40 Unobligated balance available, end of year.....	105,469		
40.00 Budget authority (appropriation).....	400,000	455,000	481,000
Relation of obligations to outlays:			
71.00 Obligations incurred, net.....	320,533	560,469	481,000
72.40 Obligated balance, start of year.....	141,499	258,202	353,671
74.40 Obligated balance, end of year.....	—258,202	—353,671	—464,471
90.00 Outlays.....	203,830	465,000	370,200

1. *Construction*.—This appropriation provides for the upgrading of rail passenger service between Boston, Mass., and Washington, D.C. Improvements to the Northeast corridor include improvements to the right-of-way, associated facilities, and installation of the necessary equipment for improved operations. Major rehabilitation efforts in 1980 include route realignment, track structure, bridges, electrification, signaling, service facilities, and stations.

2. *System engineering/program management and administration*.—This program 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 including the salaries of FRA and Federal Highway Administration personnel assigned to the project.

3. *Public grade crossing elimination*.—This program is funded under the authority of a separate authorization in the Surface Transportation Assistance Act of 1978, to modify or eliminate hazards of railway-highway crossings on public roads.

Object Classification (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
FEDERAL RAILROAD ADMINISTRATION			
Personnel compensation:			
11.1 Permanent positions.....		967	978

## General and special funds—Continued

## NORTHEAST CORRIDOR IMPROVEMENT PROGRAM—Continued

## Object Classification (in thousands of dollars)—Continued

Identification code 69-0123-0-1-401	1978 actual	1979 est.	1980 est.
11.3 Positions other than permanent.....		130	130
11.5 Other personnel compensation.....		30	30
Total personnel compensation.....		1,127	1,138
12.1 Personnel benefits: Civilian.....		120	122
21.0 Travel and transportation of persons.....		68	70
22.0 Transportation of things.....		10	10
23.1 Standard level user charges.....		203	205
23.2 Communications, utilities, and other rent....		25	25
24.0 Printing and reproduction.....		75	75
25.0 Other services.....	309,312	550,704	446,615
26.0 Supplies and materials.....		25	25
31.0 Equipment.....		55	40
Total obligations, Federal Railroad Administration.....	309,335	552,412	448,325
<b>ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION</b>			
Personnel compensation:			
11.1 Permanent positions.....		1,285	1,320
11.5 Other personnel compensation.....		2	2
Total personnel compensation.....		1,287	1,322
12.1 Personnel benefits: Civilian.....		141	123
21.0 Travel and transportation of persons.....		179	173
22.0 Transportation of things.....		11	5
23.2 Communications, utilities, and other rent....		4	1
24.0 Printing and reproduction.....		30	30
25.0 Other services.....	11,290	6,400	31,016
26.0 Supplies and materials.....		2	2
31.0 Equipment.....		3	3
Total obligations, allocation to Federal Highway Administration.....	11,290	8,057	32,675
99.0 Total obligations.....	320,625	560,469	481,000

## Personnel Summary

FEDERAL RAILROAD ADMINISTRATION			
Total number of permanent positions.....		40	40
Full-time equivalent of other positions.....		7	7
Total compensable work-years.....		44	44
Average GS grade.....		13.20	13.20
Average GS salary.....		\$31,417	\$31,417
<b>ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION</b>			
Total number of permanent positions.....		43	43
Full-time equivalent of other positions.....		5	5
Total compensable work-years.....		48	48
Average GS grade.....		12.27	12.27
Average GS salary.....		\$29,802	\$30,532

## 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, [\$660,000,000] \$760,000,000, to remain available until expended, of which not more than [\$510,000,000] \$552,000,000 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 [\$101,000,000] \$171,000,000 shall be available for capital improvements, and for labor protection costs

pursuant to 45 U.S.C. 565, not more than [\$24,000,000] \$12,000,000 shall be available only for the fiscal year [1979] 1980 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 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, 1979.*)

## Program and Financing (in thousands of dollars)

Identification code 69-0704-0-1-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
1. Operating grants.....	536,000	510,000	552,000
2. Labor protection and capital grants.....	130,000	101,000	171,000
3. Debt transactions.....	50,000	49,000	37,000
10.00 Total program costs, funded—obligations (object class 41.0).....	716,000	660,000	760,000
<b>Financing:</b>			
40.00 Budget authority (appropriation).....	716,000	660,000	760,000
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net.....	716,000	660,000	760,000
74.40 Obligated balance, end of year.....			—126,000
90.00 Outlays.....	716,000	660,000	634,000

## Status of Loan Guarantees (in thousands of dollars)

Position with respect to limitation on loan guarantees:			
Balance of limitation, start of year.....	86,600	34,250	15,140
Loan guarantee commitments.....	—52,350	—19,110	—15,140
Balance of limitation, end of year.....	34,250	15,140	
Cumulative balance of guarantees outstanding:			
Loan guarantees outstanding, start of year.....	546,443	573,793	679,600
Loan guarantees.....	52,350	130,807	15,140
Loan guarantees repaid or prepaid.....	—25,000	—25,000	—25,000
Loan guarantees outstanding, end of year.....	573,793	679,600	669,740

The National Railroad Passenger Corporation (Amtrak) is a private corporation. Federal assistance is provided through the Department of Transportation in the following manner:

1. *Operating grants.*—In 1980, funding is required to meet operating losses anticipated on the reduced Amtrak route structure proposed in the Department's final report to Congress pursuant to section 4 of the Amtrak Improvement Act of 1978. The proposed route structure will reduce the number of long haul routes and place greater emphasis on trains with higher average ridership. In 1979, an operating supplemental of \$90 million is requested to operate the current system as required.

2. *Labor protection and capital grants.*—This program provides for labor protection costs associated with proposed route discontinuances; increased capital investment to permit equipment purchase or modification (both cars and locomotives); station construction and modification; and track installation and maintenance facilities consistent with the needs of the modified system. In 1979, a capital supplemental of \$29 million is requested to acquire additional motive power for the northeast corridor.

3. *Debt transactions.*—This program provides for continuation of the systematic retirement of Amtrak's section 602 loans, reducing the availability of guaranteed loans to \$825 million, and for the final installment of the Northeast corridor purchase.

EMERGENCY RAIL FACILITIES RESTORATION

Program and Financing (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-0705-0-1-401			
Relation of obligations to outlays:			
71.00 Obligations incurred, net			
72.40 Obligated balance, start of year	1,387		
77.00 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 that occurred during June 1972 and provided that no loan application could be approved later than October 27, 1972. The program was terminated in 1974. On October 1, 1978, the unexpended balance was 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, passenger, 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, **[\$9,300,000]** \$5,000,000, to remain available until expended. (*Department of Transportation and Related Agencies Appropriation Act, 1979.*)

Program and Financing (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-4400-0-3-401			
Program by activities:			
Operating and other costs, funded:			
1. Rail line operation program:			
(a) Operations	356	372	402
(b) Maintenance of way and structures	4,872	4,200	4,550
(c) Maintenance of equipment	6,576	5,700	6,156
(d) Traffic	421	523	565
(e) Transportation service	11,892	9,850	10,638
(f) Communications system operation and maintenance	436	384	415

Program and Financing (in thousands of dollars)—Continued

Identification code	1978 actual	1979 est.	1980 est.
69-4400-0-3-401			
(g) Incidental operations	1,861	1,596	1,724
(h) General and administrative expense	3,893	3,882	4,193
2. Other programs:			
(a) Riverboats and related facilities leased	50	50	54
(b) Other nonoperating expense	66	100	100
3. Other costs:			
(a) Adjustment of prior years' costs	-85		
(b) Loss on excess current inventories	25		
(c) Undistributed costs	-223		
Change in selected resources	205		
Total operating and other obligations	30,345	26,657	28,797
Capital investment, funded:			
1. Rail line operation program:			
(a) Improvement of roadbed, track and structures	4,501	5,014	3,355
(b) Maintenance	511	2,230	2,240
(c) Purchase and upgrading of equipment	811	2,803	1,758
(d) Nonprogrammed outlay		500	500
Change in selected resources	-2,166	-1,806	-1,150
Total capital obligations	3,657	8,741	6,703
10.00 Total obligations	34,002	35,398	35,500
Financing:			
14.00 Offsetting collections from: Non-Federal sources:			
Rail line operation program:			
Freight revenue	-22,991	-21,450	-23,500
Passenger revenue	-1,156	-1,110	-1,100
Other rail line revenue	-3,293	-2,478	-3,000
Other programs:			
Riverboats and related facilities	-184	-183	-200
Other nonoperating revenue	-1,467	-1,467	-1,500
Proceeds from sale of assets	-28		
Change in long-term accounts receivable	-16		
21.98 Unobligated balance available, start of year	-5,864	-3,996	-4,586
24.98 Unobligated balance available, end of year	3,996	4,586	3,386
40.00 Budget authority (appropriation)	3,000	9,300	5,000
Relation of obligations to outlays:			
71.00 Obligations incurred, net	4,867	8,710	6,200
72.98 Obligated balance, start of year	4,343	1,718	2,378
74.98 Obligated balance, end of year	-1,718	-2,378	-2,078
90.00 Outlays	7,493	8,050	6,500

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 continue at reduced levels through 1979 and 1980. This decline is due in part to reduced petroleum product freight haulage, as

## Public enterprise funds—Continued

## PAYMENTS TO THE ALASKA RAILROAD REVOLVING FUND—Continued

the result of a new oil products refinery coming on-stream 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)

	1978 actual	1979 est.	1980 est.
<b>Rail line operation program:</b>			
Revenue: Ordinary .....	27,440	25,038	27,600
Expense: Ordinary .....	-30,197	-26,507	-28,643
Net income or loss, rail line operation .....	-2,757	-1,469	-1,043
<b>Other programs:</b>			
Revenue .....	1,651	1,650	1,700
Expense: Ordinary .....	-116	-150	-154
Net income, other programs .....	1,535	1,500	1,546
<b>Nonoperating income or loss:</b>			
Adjustment of prior year costs .....	-85		
Loss on excess current inventories .....	-25		
Undistributed costs .....	387		
Net nonoperating income or loss .....	277		
Net income or loss for the year .....	-945	31	503

## Financial Condition (in thousands of dollars)

	1977 actual	1978 actual	1979 est.	1980 est.
<b>Assets:</b>				
Fund balance with Treasury .....	10,207	5,714	6,964	5,464
Accounts receivable (net) .....	9,036	9,698	8,340	7,140
Advances made .....	27	26	28	28
Inventories .....	6,363	6,578	6,150	5,500
Real property and equipment (net) .....	120,003	119,114	126,214	129,819
Other assets (net) .....	6,334	9,048	6,965	5,673
Total assets .....	151,970	150,177	154,661	153,624
<b>Liabilities:</b>				
Accounts payable and funded accrued liabilities .....	4,636	4,441	5,250	4,250
Advances received .....	680	976	850	850
Total liabilities .....	5,316	5,417	6,100	5,100
<b>Government equity:</b>				
Unexpended budget authority:				
Unobligated balance .....	5,864	3,996	4,586	3,386
Undelivered orders .....	8,090	6,024	4,646	4,146
Invested capital .....	132,700	134,740	139,329	140,992
Total Government equity .....	146,654	144,760	148,561	148,524

## Analysis of changes in Government equity:

	1978 actual	1979 est.	1980 est.
<b>Paid-in capital:</b>			
Opening balance .....	155,110	158,294	167,594
<b>Transactions:</b>			
Appropriation .....	3,000	9,300	5,000
Donated assets, net .....	184		
Closing balance .....	158,294	167,594	172,594
<b>Retained income:</b>			
Opening balance .....	-8,457	-13,533	-19,032
Net operating income or loss .....	-4,424	-3,269	-2,798
Deferred outlays .....	-542	-2,230	-2,240
Prior years adjustment .....	-85		

## Financial Condition (in thousands of dollars)—Continued

	1978 actual	1979 est.	1980 est.
Net nonoperating income or loss .....	-25		
Closing balance .....	-13,533	-19,032	-24,069
Total Government equity (end of year) .....	144,760	148,562	148,524

## Object Classification (in thousands of dollars)

Identification code 69-4400-0-3-401	1978 actual	1979 est.	1980 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions .....	18,257	17,000	17,500
11.3 Positions other than permanent .....	3,587	3,493	3,750
11.5 Other personnel compensation .....	732	850	1,000
Total personnel compensation .....	22,576	21,343	22,250
12.1 Personnel benefits: Civilian .....	2,894	2,801	2,590
13.0 Benefits for former personnel .....	11		
21.0 Travel and transportation of persons .....	176	205	210
22.0 Transportation of things .....	457	450	450
23.2 Communications, utilities, and other rent .....	1,319	1,500	1,700
25.0 Other services .....	716	1,941	2,500
26.0 Supplies and materials .....	5,885	4,314	4,000
31.0 Equipment .....	475	3,000	1,800
32.0 Lands and structures .....	1,307	1,500	1,000
42.0 Insurance claims and indemnities .....	147	150	150
Total costs, funded .....	35,963	37,204	36,650
94.0 Change in selected resources .....	-1,961	-1,806	-1,150
99.0 Total obligations .....	34,002	35,398	35,500

## Personnel Summary

Total number of permanent positions .....	803	716	716
Full-time equivalent of other positions .....	102	102	152
Total compensable work-years .....	849	777	807
Average salary of ungraded positions .....	\$23,169	\$23,743	\$24,441

## RAILROAD REHABILITATION AND IMPROVEMENT FINANCING FUNDS

【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 \$170,000,000.】 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, 1979.*)

## Program and Financing (in thousands of dollars)

Identification code 69-4411-0-3-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
10.00 Redeemable preference shares (costs—obligations) (object class 33.0) .....	261,394	170,733	
<b>Financing:</b>			
14.00 Offsetting collections from: Non-Federal sources .....	-900		
Unobligated balance available, start of year:			
21.47 Authority to borrow .....	-61,966	-733	



Program and Financing (in thousands of dollars)—Continued

Identification code		1978 actual	1979 est.	1980 est.
69-4411-0-3-401				
21.98	Fund balance .....	-160	-900	-900
	Unobligated balance available, end of year:			
24.47	Authority to borrow .....	733		
24.98	Fund balance .....	900	900	900
47.00	Authority to borrow (appropriation acts) .....	200,000	170,000	
Relation of obligations to outlays:				
71.00	Obligations incurred, net .....	260,494	170,733	
72.47	Obligated balance, start of year .....	45,830	240,077	325,810
74.47	Obligated balance, end of year .....	-240,077	-325,810	-247,810
90.00	Outlays .....	66,247	85,000	78,000

Status of Loan Guarantees (in thousands of dollars)

Position with respect to limitation on loan guarantees:				
Balance of limitation, start of year .....	352,219	267,238	120	
Increase in limitation .....		200,120	2,497	
Loan guarantee commitments (net) .....	-84,981	-467,238		
Balance of limitation, end of year .....	267,238	120	2,617	
Cumulative balance of guarantees outstanding:				
Loan guarantees outstanding, start of year .....	4,428	35,781	224,861	
Loan guarantees .....	31,353	189,200	311,000	
Loan guarantees repaid or prepaid .....		-120	-2,497	
Loan guarantees outstanding, end of year .....	35,781	224,861	533,364	

Section 509 of the Railroad Revitalization and Regulatory Reform Act of 1976, as amended, authorized the Secretary of Treasury to purchase fund anticipation notes from the Secretary of Transportation. The Secretary of Transportation used these funds to purchase redeemable preference shares from railroads to provide for capital needs to preserve 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. This authorization expires September 30, 1979. 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 1980.

URBAN MASS TRANSPORTATION  
ADMINISTRATION

Federal Funds

General and special funds:

URBAN MASS TRANSPORTATION FUND

ADMINISTRATIVE EXPENSES

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.); [as amended by Public Law 91-453 and Public Law 93-503]; the Federal-Aid Highway Act of 1973

(Public Law 93-87); the Federal-Aid Highway Act of 1976 (Public Law 94-280) and the Urban Mass Transportation Act Amendments of 1978 or similar legislation] 23 U.S.C., Chapter 1, in connection with the activities, including hire of passenger motor vehicles and services as authorized by 5 U.S.C. 3109; [\$18,100,000] \$20,960,000.

[RESEARCH, DEVELOPMENT, AND DEMONSTRATIONS AND UNIVERSITY] RESEARCH AND TRAINING

For necessary expenses for research and training, as authorized by the Urban Mass Transportation Act of 1964, as amended (49 U.S.C. 1601 et seq.), to remain available until expended; [\$63,500,000] \$66,600,000; Provided, That [\$61,000,000] \$64,100,000 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 said Act.

URBAN DISCRETIONARY GRANTS

For necessary expenses for urban discretionary grants as authorized by the Urban Mass Transportation Act of 1964, as amended (49 U.S.C. 1601 et seq.), [\$1,250,000,000, of which \$25,000,000 shall be available for technical studies,] for fiscal year 1980, \$1,278,800,000, to remain available until September 30, [1982] 1983; and for fiscal year 1981, \$1,350,000,000, to remain available until September 30, 1984.

[RURAL AND SMALL URBAN] NON-URBAN FORMULA GRANTS

For necessary expenses for [assistance in rural areas and in those urban places designated by the Bureau of the Census as having a population of five thousand or more which are not within an urbanized area] public transportation projects in areas other than urbanized areas as defined for the purposes of the Urban Mass Transportation Act of 1964, as amended (49 U.S.C. 1601 et seq.), to remain available until expended, \$76,500,000, of which \$1,500,000 shall be available for technical studies] \$75,000,000.

URBAN FORMULA GRANTS

For necessary expenses for urban formula grants as authorized by the Urban Mass Transportation Act of 1964, as amended (49 U.S.C. 1601 et seq.), [\$553,500,000, of which \$28,500,000 shall be available for technical studies and \$75,000,000 shall be available for rail service operating payments] \$600,000,000, to remain available until [September 30, 1982] expended.

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, as amended (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; [\$1,850,000,000] \$1,500,000,000, 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.

[PROJECTS SUBSTITUTED FOR] INTERSTATE [SYSTEM PROJECTS] TRANSFER GRANTS

For necessary expenses to carry out the provisions of 23 U.S.C. 103(e)(4) for fiscal year 1980, \$380,000,000, to remain available until expended [\$400,000,000]; and for fiscal year 1981, \$405,000,000, to remain available until expended: 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, 1979.)

Program and Financing (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-1119-0-1-401			
Program by activities:			
Direct program:			
Urban discretionary grants .....	1,398,768	1,250,000	1,278,800
Urban formula grants .....	742,393	1,403,500	1,375,000
Technical studies grants .....	55,000		
Nonurban formula grants .....		76,500	75,000
Research and training .....	69,891	66,500	66,600

## General and special funds—Continued

## URBAN MASS TRANSPORTATION FUND—Continued

## Program and Financing (in thousands of dollars)—Continued

Identification code	69-1119-0-1-401	1978 actual	1979 est.	1980 est.
Administrative expenses.....		18,231	20,886	20,960
Subtotal.....		2,284,283	2,817,386	2,816,360
Interstate transfer grants.....		666,685	700,000	700,000
Commuter rail operating subsidies ..		80,605	16,832	.....
Subtotal.....		747,290	716,832	700,000
Total grants, contracts, loans and administrative expenses.....		3,031,573	3,534,218	3,516,360
Reimbursable program.....		578	5,000	5,000
Change in selected resources.....		-28,009	-16,832	.....
10.00 Total obligations.....		3,004,142	3,522,386	3,521,360
<b>Financing:</b>				
Offsetting collections from:				
11.00 Federal funds.....		-578	-5,000	-5,000
14.00 Non-Federal sources:				
Loan repayments.....		-88	.....	.....
Revenue.....		69	.....	.....
17.00 Recovery of prior year obligations..		-18,233	.....	.....
Unobligated balance available, start of year:				
21.40 Appropriation.....		-274,941	-327,323	-145,058
21.49 Contract authority (unfunded) ..		-7,962,839	-5,396,787	-4,423,152
Unobligated balance available, end of year:				
24.40 Appropriation.....		327,323	145,058	254,522
24.49 Contract authority (unfunded) ..		5,396,787	4,423,152	3,218,688
25.00 Unobligated balance lapsing.....		12,358	.....	.....
<b>Budget authority.....</b>		<b>484,000</b>	<b>2,361,486</b>	<b>2,421,360</b>
<b>Budget authority:</b>				
40.00 Appropriation.....		2,330,000	4,211,600	3,921,360
40.49 Portion applied to liquidate contract authority.....		-1,756,000	-1,850,000	-1,500,000
41.00 Transferred to other accounts.....		.....	-114	.....
43.00 <b>Appropriation (adjusted) ...</b>		<b>574,000</b>	<b>2,361,486</b>	<b>2,421,360</b>
49.10 <b>Reduction in unobligated contract authority (Public Law 91-453) .....</b>		<b>-90,000</b>	.....	.....
<b>Relation of obligations to outlays:</b>				
71.00 Obligations incurred, net.....		2,985,312	3,517,386	3,516,360
Obligated balance, start of year:				
72.40 Appropriation.....		633,360	883,449	3,027,200
72.49 Contract authority (unfunded) ..		3,759,667	4,467,361	3,590,996
Obligated balance, end of year:				
74.40 Appropriation.....		-883,449	-3,027,200	-4,384,094
74.49 Contract authority (unfunded) ..		-4,467,361	-3,590,996	-3,295,462
90.00 Outlays.....		2,027,529	2,250,000	2,455,000

\* Per GAO ruling B-126652 previously committed balances met the criteria of a obligation in fiscal year 1978.

Note.—Excludes \$115 thousand in 1979 and \$131 thousand in 1980 for activities transferred to Salaries and expenses, Employment Standards Administration, Department of Labor. A comparable amount for 1978 (\$106 thousand) is included above.

## Status of Loan Guarantees (in thousands of dollars)

Position with respect to limitation on loan guarantees:				
Balance of limitation, start of year.....		997,000	997,000	997,000
Balance of limitation, end of year.....		997,000	997,000	997,000

## Status of Loan Guarantees (in thousands of dollars)—Continued

Cumulative balance of guarantees outstanding:				
Loan guarantees outstanding, start of year.....		997,000	997,000	997,000
Loan guarantees outstanding, end of year.....		997,000	997,000	997,000

## Status of Unfunded Contract Authority (in thousands of dollars)

	1978 actual	1979 est.	1980 est.
Unfunded balance, start of year.....	11,722,508	9,864,150	8,014,150
Reduction pursuant to 49 U.S.C. 1604.....	-90,000	.....	.....
Unfunded balance lapsing.....	-12,358	.....	.....
Appropriation to liquidate contract authority	-1,756,000	-1,850,000	-1,500,000
Unfunded balance, end of year.....	9,864,150	8,014,150	6,514,150

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. This fund was extended until 1982 by the Surface Transportation Assistance Act of 1978. That act also authorized several new funding categories such as intercity bus terminal construction and special rail transit grants. The administration intends to fund such activities through the existing urban discretionary and formula grant programs which have adequate flexibility and funding to accommodate worthy projects.

*Urban discretionary grants.*—Provides grants to State and local agencies for 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; innovative transit demonstrations projects; and technical planning assistance. For 1980, \$1.3 billion is planned for this activity with 260 projects. Under the administration's Urban Initiative, \$200 million of these funds in 1980 will be used for joint development and related projects which link transportation facilities and encourage private economic development. For the first time, as an aid to local planning, an advance appropriation is requested for this activity for 1981.

*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; the modernization of existing systems, and for commuter rail and other fixed guideway systems. For 1980, \$1.3 billion is planned for this activity with 385 projects.

*Nonurban formula grants.*—Provides formula grants for nonurbanized areas. These funds provide for transit grants (for areas other than urbanized areas) on the basis of a formula. Both payment of operating expenses and capital expenses are eligible. For 1980, \$75.0 million is planned for this activity with 50 grants.

*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, nonprofit institutions to assist in establishing or continuing programs which combine professional training and research in the field of mass transportation. For 1980, \$66.6 million is planned for this activity with 321 projects.

**Administrative expenses.**—Provides for the administrative costs of the Urban Mass Transportation Administration. For 1980, \$21.0 million is planned for this activity.

**Interstate transfer grants.**—Grants under this activity are authorized by the 1973 Highway Act, whereby States and localities may withdraw previously approved interstate segments and apply the authorized funds to substitute transit or highway projects. For 1980, \$700 million is planned for this activity with 20 projects. The Washington, D.C., area will receive up to \$275 million in 1979, 1980, and 1981 from this activity. For the first time, as an aid to local planning, an advance appropriation is requested for this activity for 1981.

**Object Classification (in thousands of dollars)**

Identification code	1978 actual	1979 est.	1980 est.
69-1119-0-1-401			
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	11,023	12,782	13,392
11.3 Positions other than permanent.....	600	610	610
11.5 Other personnel compensation.....	66	70	70
Total personnel compensation.....	11,689	13,462	14,072
12.1 Personnel benefits: Civilian.....	1,000	1,200	1,200
21.0 Travel and transportation of persons.....	980	1,300	1,000
22.0 Transportation of things.....	62	50	50
23.1 Standard level user charges.....	966	1,085	1,162
23.2 Communications, utilities, and other rent....	400	500	542
24.0 Printing and reproduction.....	37	65	65
25.0 Other services.....	46,589	42,878	42,961
26.0 Supplies and materials.....	90	95	95
31.0 Equipment.....	70	90	90
41.0 Grants, subsidies, and contributions.....	2,942,259	3,461,661	3,460,123
99.0 Total obligations.....	3,004,142	3,522,386	3,521,360

**Personnel Summary**

Total number of permanent positions.....	557	592	592
Full-time equivalent of other positions.....	31	30	30
Total compensable work-years.....	564	587	601
Average GS grade.....	10.41	10.44	10.44
Average GS salary.....	\$22,674	\$24,092	\$24,333

**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 for the current fiscal year for the Corporation except as hereinafter provided. (*Department of Transportation and Related Agencies Appropriation Act, 1979.*)

**Program and Financing (in thousands of dollars)**

Identification code	1978 actual	1979 est.	1980 est.
69-4089-0-3-403			
<b>Program by activities:</b>			
Operating costs, funded:			
1. Administrative expenses (limitation).....	1,170	1,312	1,372
2. Operations.....	4,243	5,057	5,406
Total operating costs, funded.....	5,413	6,369	6,778
Replacements and improvements.....	1,280	1,764	1,819
Total program costs, funded.....	6,693	8,133	8,597
Change in selected resources (undelivered orders).....	-10		
10.00 Total obligations.....	6,683	8,133	8,597
<b>Financing:</b>			
14.00 Offsetting collections from: Non-Federal sources: Revenue.....	-9,591	-9,500	-10,600
Unobligated balance available, start of year:			
21.47 Authority to borrow.....	-6,200	-6,200	-6,200
21.98 Fund balance.....	-2,979	-4,887	-4,754
Unobligated balance available, end of year:			
24.47 Authority to borrow.....	6,200	6,200	6,200
24.98 Fund balance.....	4,887	4,754	4,757
27.00 Capital transfer to general fund.....	1,000	1,500	2,000
<b>Budget authority.....</b>			
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net.....	-2,908	-1,367	-2,003
72.98 Obligated balance, start of year.....	1,707	1,626	1,562
74.98 Obligated balance, end of year.....	-1,626	-1,562	-1,462
90.00 Outlays.....	-2,827	-1,303	-1,903

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 1980, 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. The winter lock maintenance program will be continued. The Saint Lawrence Seaway Development Corporation's 1980 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 nonnavigation season when both operations and maintenance forces are utilized for their accomplishment.

## Public enterprise funds—Continued

## SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION—Continued

**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 will maintain an unobligated balance as a reserve to ensure funding of necessary maintenance, replacements, and improvements in years when revenues do not reach expected budgeted levels.

The Corporation estimates its revenues for 1980 to reach \$10.6 million which it proposes to apply as follows: (a) \$6.8 million to pay operating expenses consisting of administrative expenses of \$1.4 million (subject to limitation) and \$5.4 million for operations; (b) \$1.8 million to pay estimated capital outlay costs for season extension projects, facility improvements, and replacements of equipment; and (c) \$2.0 million for the scheduled redemption of the Corporation's revenue bonds issued to the U.S. Treasury. No capital impairment has occurred through the end of the past year nor is any anticipated in the budget year.

## Revenue and Expense (in thousands of dollars)

	1978 actual	1979 est.	1980 est.
Operating income or loss:			
Operating program:			
Revenue:			
Shipping tolls .....	9,282	9,280	10,380
Other .....	309	220	220
Total revenue .....	9,591	9,500	10,600
Expense:			
Administrative .....	1,170	1,312	1,372
Operations .....	4,243	5,057	5,406
Total expense .....	5,413	6,369	6,778
Net operating income .....	4,178	3,131	3,822
Nonoperating income or loss:			
Provision for depreciation and losses .....	1,770	1,764	1,819
Net nonoperating loss .....	1,770	1,764	1,819
Net income or loss for the year .....	2,408	1,367	2,003

## Financial Condition (in thousands of dollars)

	1977 actual	1978 actual	1979 est.	1980 est.
<b>Assets:</b>				
Fund balance with Treasury .....	4,686	6,513	6,316	6,219
Accounts receivable, net .....	488	660	660	660
Accrued tolls, receivable unbilled .....	220	420	420	420
Selected assets, supplies .....	249	230	230	230
Fixed assets, net .....	102,178	101,687	101,687	101,687
Total assets .....	107,821	109,510	109,313	109,216
<b>Liabilities:</b>				
Accounts payable including funded accrued liabilities .....	1,172	1,453	1,389	1,289
<b>Government equity:</b>				
Unexpended budget authority:				
Unobligated balance:				
Regular .....	9,179	11,087	10,954	9,957
Reserve .....				1,000
Undelivered orders .....	1,244	1,253	1,253	1,253

## Financial Condition (in thousands of dollars)—Continued

	1977 actual	1978 actual	1979 est.	1980 est.
Unfinanced budget authority:				
Borrowing authority .....	—6,200	—6,200	—6,200	—6,200
Invested capital .....	102,426	101,917	101,917	101,917
Total Government equity .....	106,649	108,057	107,924	107,927
<b>Analysis of changes in Government equity:</b>				
Paid-in capital:				
Opening balance .....		116,476	115,476	113,976
Repayment of borrowings from Treasury .....		—1,000	—1,500	—2,000
Closing balance .....		115,476	113,976	111,976
Deficit:				
Opening balance .....		—9,827	—7,419	—6,052
Net income or loss (—) .....		2,408	1,367	2,003
Closing balance .....		—7,419	—6,052	—4,049
Total Government equity (end of year) ..		108,057	107,924	107,927

## Object Classification (in thousands of dollars)

Identification code	1978 actual	1979 est.	1980 est.
69-4089-0-3-403			
Personnel compensation:			
11.1 Permanent positions .....	2,460	2,894	3,014
11.3 Positions other than permanent .....	190	219	233
11.5 Other personnel compensation .....	427	491	520
11.8 Special personal services payments .....	12	14	15
Total personnel compensation .....	3,089	3,618	3,782
12.1 Personnel benefits: Civilian .....	290	357	378
21.0 Travel and transportation of persons .....	54	60	66
22.0 Transportation of things .....	4	5	5
23.1 Standard level user charges .....	34	34	34
23.2 Communications, utilities, and other rent .....	142	163	167
24.0 Printing and reproduction .....	25	27	29
25.0 Other services .....	251	638	650
26.0 Supplies and materials .....	440	720	705
31.0 Equipment .....	263	364	209
32.0 Lands and structures .....	924	825	1,190
41.0 Grants, subsidies, and contributions .....	7	10	10
93.0 Administrative expenses (see separate schedule) .....	1,170	1,312	1,372
94.0 Change in selected resources .....	—10		
99.0 Total obligations .....	6,683	8,133	8,597

## Personnel Summary

Total number of permanent positions .....	157	157	157
Full-time equivalent of other positions .....	13	13	13
Total compensable work-years .....	167	167	167
Average GS grade .....	8.81	8.81	8.83
Average GS salary .....	\$18,548	\$20,331	\$21,124
Average wage-board salary .....	\$15,734	\$16,883	\$18,115

## LIMITATION ON ADMINISTRATIVE EXPENSES, SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION

Not to exceed **[\$1,280,000]** \$1,372,000 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, 1979.*)

Program and Financing (in thousands of dollars)			
	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
Administration (total accrued expenses—costs) .....	1,170	1,312	1,372
<b>Financing:</b>			
Unobligated balance lapsing .....	4		
Limitation .....	1,174	1,280	1,372
Supplemental for pay increases .....		32	

Object Classification (in thousands of dollars)			
Identification code 69-4089-0-3-403	1978 actual	1979 est.	1980 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions .....	794	854	897
11.3 Positions other than permanent .....	19	20	21
11.8 Special personal services payments .....	15	16	17
Total personnel compensation .....	828	890	935
12.1 Personnel benefits: Civilian .....	70	76	80
21.0 Travel and transportation of persons .....	39	53	55
23.1 Standard level user charges .....	24	25	25
23.2 Communications, utilities, and other rent .....	84	86	88
24.0 Printing and reproduction .....	15	17	19
25.0 Other services .....	64	117	120
26.0 Supplies and materials .....	46	48	50
93.0 Administrative expenses included in schedule for fund as a whole .....	-1,170	-1,312	-1,372
99.0 Total obligations .....			

Personnel Summary			
Total number of permanent positions .....	37	37	37
Full-time equivalent of other positions .....	4	4	4
Total compensable work-years .....	41	41	41
Average GS grade .....	8.80	8.80	8.80
Average GS salary .....	\$19,990	\$21,912	\$22,767

**RESEARCH AND SPECIAL PROGRAMS  
[DIRECTORATE] ADMINISTRATION**

*Federal Funds*

**General and special funds:**

**RESEARCH AND SPECIAL PROGRAMS**

For expenses necessary to discharge the functions of the Research and Special Programs [Directorate, \$24,760,000] Administration, \$26,419,000, of which not to exceed \$11,455,000 shall remain available until expended for expenses for conducting research and development and not to exceed \$2,820,000 shall remain available until expended for grants-in-aid to carry out a pipeline safety program, as authorized by section 5 of the Natural Gas Pipeline Safety Act of 1968 (49 U.S.C. 1674). (Department of Transportation and Related Agencies Appropriation Act, 1979.)

Program and Financing (in thousands of dollars)			
Identification code 69-0104-0-1-407	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>			
1. Operations .....	3,951	10,485	12,904
2. Research and development .....	153	11,456	10,695
3. Grants .....	1,886	2,918	2,820
Total program costs, funded .....	5,990	24,859	26,419
Change in selected resources (undelivered orders) .....	2,071		
Total direct obligations .....	8,061	24,859	26,419
Reimbursable program (costs—obligations) .....		1,000	1,000
10.00 Total obligations .....	8,061	25,859	27,419

Program and Financing (in thousands of dollars)—Continued			
Identification code 69-0104-0-1-407	1978 actual	1979 est.	1980 est.
<b>Financing:</b>			
11.00 Offsetting collections from: Federal funds .....		-1,000	-1,000
21.40 Unobligated balance available, start of year .....	-46	-99	
24.40 Unobligated balance available, end of year .....	99		
25.00 Unobligated balance lapsing .....	176		
40.00 Budget authority (appropriation) ..	8,290	24,760	26,419
<b>Relation of obligations to outlays:</b>			
71.00 Obligations incurred, net .....	8,061	24,859	26,419
72.40 Obligated balance, start of year .....	1,691	4,293	7,964
74.40 Obligated balance, end of year .....	-4,293	-7,964	-11,354
90.00 Outlays .....	5,459	21,188	23,029

The mission of the Research and Special Programs Administration is to serve as a research, analytical, and technical development arm of the Department for long-range and multimodal research and development, as well as to conduct special programs. Particular emphasis is given to pipeline safety, transportation of hazardous cargo by all modes of transportation, safety, security, facilitation of domestic and international commerce, and intermodal research and development activities including programs within the university community. Responsibilities of the administration are carried out under the following activities:

1. *Operations.*—This activity provides for the Administration's salaries and expenses as well as for central supervisory and management functions including a management information system necessary for overall planning and direction of the Administration; management and execution of transportation programs involving passenger and cargo security, facilitation services, national emergency plans/preparedness, management of the Transportation Safety Institute; and for the conduct of hazardous materials and pipeline safety regulatory and enforcement programs.

2. *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.

3. *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	1978 actual	1979 est.	1980 est.
<b>Direct obligations:</b>			
<b>Personnel compensation:</b>			
11.1 Permanent positions .....	2,388	6,705	6,993
11.3 Positions other than permanent .....	121	207	207
11.5 Other personnel compensation .....	23	46	46
Total personnel compensation .....	2,532	6,958	7,246
12.1 Personnel benefits: Civilian .....	234	626	666
21.0 Travel and transportation of persons .....	178	628	628
22.0 Transportation of things .....	12	68	68
23.1 Standard level user charges .....	274	548	548
23.2 Communications, utilities, and other rent .....	82	270	270

## General and special funds—Continued

## RESEARCH AND SPECIAL PROGRAMS—Continued

## Object Classification (in thousands of dollars)—Continued

Identification code	69-0104-0-1-407	1978 actual	1979 est.	1980 est.
24.0	Printing and reproduction.....	138	579	579
25.0	Other services.....	2,214	12,101	13,431
26.0	Supplies and materials.....	16	81	81
31.0	Equipment.....	33	82	82
41.0	Grants, subsidies, and contributions.....	2,348	2,918	2,820
	Total direct obligations.....	8,061	24,859	26,419
	Reimbursable obligations:			
25.0	Other services.....		1,000	1,000
99.0	Total obligations.....	8,061	25,859	27,419

## Personnel Summary

Total number of permanent positions.....	127	251	251
Full-time equivalent of other positions.....	18	25	25
Total compensable work-years.....	113	248	248
Average GS grade.....	11.06	11.48	11.48
Average GS salary.....	\$23,508	\$27,362	\$27,923

## Intragovernmental funds:

## CONSOLIDATED WORKING FUND, TRANSPORTATION SYSTEMS CENTER

## Program and Financing (in thousands of dollars)

Identification code	69-3900-0-4-407	1978 actual	1979 est.	1980 est.
	Program by activities:			
	Transportation research (program costs, funded).....	52,246	58,000	58,400
	Change in selected resources (undelivered orders).....	2,199	-300	-400
10.00	Total obligations.....	54,445	57,700	58,000
	Financing:			
	Offsetting collections from:			
11.00	Federal funds.....	-47,280	-48,195	-47,950
13.00	Trust funds.....	-8,091	-8,505	-8,250
21.98	Unobligated balance available, start of year.....	-6,957	-7,883	-6,883
24.98	Unobligated balance available, end of year.....	7,883	6,883	5,083
	Budget authority.....			
	Relation of obligations to outlays:			
71.00	Obligations incurred, net.....	-926	1,000	1,800
72.98	Obligated balance, start of year: Fund balance.....	27,372	30,916	28,916
74.98	Obligated balance, end of year: Fund balance.....	-30,916	-28,916	-30,716
90.00	Outlays.....	-4,470	3,000	

The fund was established to facilitate the operations of the Transportation Systems Center (TSC) in Cambridge, Mass. The Center serves as the multimodal research, analysis, and development resource for, and is funded by, the Research and Special Programs Administration, Office of the Secretary, and operating administrations. Legislation will be proposed to establish a working capital fund to finance this activity beginning in 1980. The 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. TSC's planned projects for 1980 may be grouped into the following departmental research and development objectives:

*Modernize regulation and legislation.*—TSC is analyzing Federal regulation of transportation, to support policy decisions regarding alternatives under consideration by the Department. Social, economic, technical, and operational interrelationships are assessed in this work. Modern planning techniques, crossmodal impacts, and impacts of regulations on systems designs are included in these projects.

*Increase efficiency and service.*—Improvements increasing the effectiveness and efficiency of transportation systems are a mainstay of TSC work. TSC assesses present operating systems, designs new hardware and operational improvements, and may oversee their implementation and evaluation. Improvements may be new components, software, or operating techniques. TSC's work supports each of the Department's operating administrations and is based on TSC's knowledge of the state of the art in the transportation sciences.

*Improve safety and security.*—TSC research supports the mandates to the operating administrations to improve the safety and security of the transportation system. TSC is working on safer transport of hazardous materials, vehicle crashworthiness, rapid track inspection techniques, and safety-oriented air traffic control equipment. Risk and accident analysis, mechanics and materials investigations, and systems engineering studies also are part of this work.

*Lessen unfavorable environmental impacts.*—TSC is measuring transportation-produced noise and finding ways to reduce it or make it less burdensome to the public. Noise studies are underway in the air, marine, urban, automotive, and highway areas. Air pollution studies also are underway for most modes such as a study concerning the emissions from diesel engines. Assessments, modeling and simulations, measurement techniques, and hardware development support these activities.

*Minimize adverse impacts of energy constraints.*—Principal TSC work in this area concerns technology and methods leading to the development of more fuel efficient motor vehicles. TSC research concerns stimulation of innovation in the motor vehicle industry and assessment of new technologies and techniques such as regulatory action and economic incentives to reduce fuel consumption. TSC research also focuses on Federal energy policies impacts assessments and transport of alternative energy sources.

*Increase knowledge base.*—TSC collects, organizes, analyzes, and disseminates transportation information. This process has been formalized by the establishment in 1978 of the Center for the Management of Transportation Information which is a primary DOT activity 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	1978 actual	1979 est.	1980 est.
	Personnel compensation:			
11.1	Permanent positions.....	16,085	17,200	17,135
11.3	Positions other than permanent.....	447	485	490
11.5	Other personnel compensation.....	74	75	75
	Total personnel compensation.....	16,606	17,760	17,700
12.1	Personnel benefits: Civilian.....	1,593	1,705	1,700



Object Classification (in thousands of dollars)—Continued

Identification code	69-3900-0-4-407	1978 actual	1979 est.	1980 est.
13.0	Benefits for former personnel.....	1		
21.0	Travel and transportation of persons.....	794	922	1,020
22.0	Transportation of things.....	66	70	70
23.2	Communications, utilities, and other rent....	1,104	1,400	1,400
24.0	Printing and reproduction.....	355	400	400
25.0	Other services.....	31,464	32,933	33,200
26.0	Supplies and materials.....	628	650	650
31.0	Equipment.....	1,574	1,600	1,600
32.0	Lands and structures.....	260	260	260
99.0	Total obligations.....	54,445	57,700	58,000

Personnel Summary

Total number of permanent positions.....	680	667	667
Full-time equivalent of other positions.....	43	43	43
Total compensable work-years.....	665	669	657
Average GS grade.....	11.13	11.13	11.13
Average GS salary.....	\$25,541	\$27,146	\$27,546
Average salary of ungraded positions.....	\$15,885	\$16,520	\$16,520

Legislative Program

COAST GUARD

OFFSHORE OIL POLLUTION COMPENSATION FUND

(Proposed for later transmittal, proposed legislation)

Program and Financing (in thousands of dollars)

Identification code	69-5167-2-2-304	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>				
10.00	Operating costs (obligations).....			-7,000
<b>Financing:</b>				
	<b>Budget authority.....</b>			<b>-7,000</b>
<b>Budget authority:</b>				
40.00	Appropriation (special fund, indefinite)....			-6,000
47.10	Authority to borrow.....			-1,000
<b>Relation of obligations to outlays:</b>				
71.00	Obligations incurred, net.....			-7,000
90.00	Outlays.....			-7,000

The new comprehensive fund will replace the narrower Offshore Oil Pollution Compensation Fund enacted in the Outer Continental Shelf Lands Act Amendments of 1978.

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	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>				
10.00	Operating costs (costs-obligations).....			25,000
<b>Financing:</b>				
40.00	Budget authority (special fund, indefinite).....			25,000
<b>Relation of obligations to outlays:</b>				
71.00	Obligations incurred, net.....			25,000
90.00	Outlays.....			25,000

Legislation will be proposed that will 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 will establish strict liability for the owners and operators of sources of oil discharges and create a backup compensation fund for damages, including cleanup, resulting from oil spills.

FEDERAL RAILROAD ADMINISTRATION

RAIL SERVICE ASSISTANCE

(Proposed for later transmittal, proposed legislation)

Program and Financing (in thousands of dollars)

Identification code	69-0122-2-1-401	1978 actual	1979 est.	1980 est.
<b>Program by activities:</b>				
10.00	Railroad restructuring assistance (costs—obligations).....			250,000
<b>Financing:</b>				
40.00	Budget authority.....			250,000
<b>Relation of obligations to outlays:</b>				
71.00	Obligation incurred, net.....			250,000
74.40	Obligated balance, end of year.....			-210,000
90.00	Outlays.....			40,000

Legislation will be proposed to enable the Secretary of Transportation to provide aid to improve labor productivity and to provide economically sound financial assistance to railroads for the purpose of easing the transition to a less regulated industry.

TITLE III—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 implementation or execution of programs the obligations for which are in excess of \$35,990,000 in fiscal year 1979 for general aviation discretionary grants.]

SEC. [303.] 302. None of the funds provided in this Act shall be available for the [implementation] planning or execution of programs the [obligations] commitments for which are in excess of [\$593,150,000] \$550,000,000 in fiscal year [1979] 1980 for "Grants-in-aid for airports" under 49 U.S.C. 1714 (a) and (b) [other than general aviation discretionary grants.]

SEC. [304.] 302. 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 [1979] 1980 for "Highway-related safety grants".

SEC. [305.] 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] \$175,000,000 in fiscal year [1979] 1980 for "State and Community Highway Safety": Provided, that no funds shall be made available for School Bus Driver Training except as part of such total obligations: Provided further, That within such total obligations not to exceed \$40,000,000 shall be reserved for use at the discretion of the Secretary for high priority highway safety projects.

[SEC. 306. None of the funds provided in this Act shall be available for administrative expenses in connection with commitments for contract authority under the Urban Mass Transportation Act of 1964, as amended, aggregating more than \$850,000,000 in fiscal year 1979.]



## TITLE III—GENERAL PROVISIONS—Continued

Sec. 305. 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 \$320,000,000 in fiscal year 1980.

Sec. [307] 306. 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] 307. 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] 308. 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] 309. 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 forms 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 persons 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] 310. 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] 311. 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 [\$7,950,000,000] \$8,500,000,000 for "Federal-Aid Highways" in fiscal year [1979] 1980: *Provided*, That this limitation shall not apply to obligations for emergency relief authorized by 23 U.S.C. 125: *Provided further*, for replacement of the West Seattle bridge in the State of Washington, \$50,000,000 to be made available from obligations authorized by 23 U.S.C. 125 on [the date of enactment of this proviso] August 4, 1978: *Provided further*, That this limitation shall not become effective if subsequent legislation containing an obligation limitation on "Federal-Aid Highways" for fiscal year [1979] 1980 is enacted into law by September 30, [1978] 1979.

Sec. [316] 312. 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: *Provided further*, None of the funds provided under this Act shall be available for the planning or execution of programs for the Great River Road, the obligations for which are in excess of \$37,500,000 in fiscal year 1980.

[SEC. 317. None of the funds appropriated under this Act shall be used to implement or enforce any standard or regulation which requires any motor vehicle to be equipped with an occupant restraint system (other than a belt system).]

[SEC. 318. Nothing in section 317 of this title shall be construed to prohibit the use of funds for any research and development activity relating to occupant restraint systems.]

Sec. 313. Appropriations under the heading "Facilities and Equipment (Airport and Airway Trust Fund)" in the Department of Transportation and Related Agencies Appropriations Acts, and supplemental appropriations acts, 1977, 1978 and 1979, shall be available through fiscal years 1981, 1982 and 1983 respectively.

Sec. 314. None of the funds in this Act shall be available for the administrative expenses of making a new loan guarantee during fiscal year 1980 for any aircraft purchase loan, pursuant to the Act of September 7, 1957 (71 Stat. 629), as amended, (a) to any air carrier other than a commuter air carrier as defined in section 2 of the Act of September 7, 1957, as amended, or (b) which causes the aggregate of all such guarantees made during fiscal year 1980 to exceed \$100,000,000 in principal amount.

Sec. 315. None of the funds provided under this Act shall be available for constructing an extension of the Dulles airport access highway prior to an agreement with the Commonwealth of Virginia under which that Commonwealth assumes responsibility for maintenance and operation of such extension.

Sec. 316. None of the funds provided in this Act shall be available for the implementation or execution of programs the obligations for which are in excess of \$60,000,000 in fiscal year 1980 for the "Offshore Oil Pollution Compensation Fund."

Sec. 317. None of the funds provided in this Act shall be available for the planning or execution of programs for the purposes of section 152 of Public Law 95-599. (Department of Transportation and Related Agencies Appropriation Act, 1979.)