

# 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; **[\$21,592,000]** \$25,100,000. (Department of Transportation and Related Agencies Appropriation Act, 1972.)

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

Identification code 21-05-0102-0-1-506	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Direct program: General administration (program costs, funded).....	17,255	21,311	25,100
Change in selected resources <sup>1</sup> .....	1,477		
Total direct obligations.....	18,732	21,311	25,100
Reimbursable program: Office of Emergency Transportation (costs—obligations).....	231	240	240
10 Total obligations.....	18,963	21,551	25,340
<b>Financing:</b>			
11 Receipts and reimbursements from: Federal funds: For emergency preparedness functions.....	-231	-240	-240
25 Unobligated balance lapsing.....	3	61	
Budget authority.....	18,735	21,372	25,100
Budget authority:			
40 Appropriation.....	18,735	21,592	25,100
41 Transferred to other accounts.....		-220	
43 Appropriation (adjusted).....	18,735	21,372	25,100
Relation of obligations to outlays:			
71 Obligations incurred, net.....	18,732	21,311	25,100
72 Obligated balance, start of year.....	846	1,424	1,496
74 Obligated balance, end of year.....	-1,424	-1,496	-1,496
77 Adjustments in expired accounts.....	-4		
90 Outlays.....	18,150	21,239	25,100

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$664 thousand; 1971, \$2,141 thousand; 1972, \$2,141 thousand; 1973, \$2,141 thousand.

This appropriation finances, under the general administrative program, the costs of policy development, 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 and general administrative services provided to the organizations financed from this appropriation.

### Object Classification (in thousands of dollars)

Identification code 21-05-0102-0-1-506	1971 actual	1972 est.	1973 est.
<b>Direct obligations:</b>			
Personnel compensations:			
11.1 Permanent positions.....	13,291	15,198	16,499
11.3 Positions other than permanent.....	365	426	476
11.5 Other personnel compensation.....	213	238	238
11.8 Special personal services payments.....	307	289	289
Total personnel compensation.....	14,176	16,151	17,502
12.1 Personnel benefits: Civilian.....	1,100	1,248	1,353
21.0 Travel and transportation of persons.....	651	580	750
22.0 Transportation of things.....	37	50	65
23.0 Rent, communications, and utilities.....	434	730	896
24.0 Printing and reproduction.....	429	450	600
25.0 Other services.....	1,430	1,775	3,448
26.0 Supplies and materials.....	179	177	187
31.0 Equipment.....	296	150	299
Total direct obligations.....	18,732	21,311	25,100
<b>Reimbursable obligations:</b>			
11.1 Personnel compensation: Permanent positions.....	214	222	222
12.1 Personnel benefits: Civilian.....	17	18	18
Total reimbursable obligations.....	231	240	240
99.0 Total obligations.....	18,963	21,551	25,340

### Personnel Summary

<b>Direct program:</b>			
Total number of permanent positions.....	819	871	947
Full-time equivalent of other positions.....	32	31	33
Average paid employment.....	715	816	880
Average GS grade.....	11.8	12.0	12.0
Average GS salary.....	\$18,753	\$19,168	\$19,426
Average salary of ungraded positions.....	\$7,675	\$7,675	\$7,675
<b>Reimbursable program:</b>			
Total number of permanent positions.....	11	11	11
Average paid employment.....	11	11	11
Average GS grade.....	11.8	11.9	11.9
Average GS salary.....	\$20,081	\$20,415	\$20,914

### TRANSPORTATION PLANNING, RESEARCH, AND DEVELOPMENT

For necessary expenses for conducting transportation planning, research, and development activities, including the collection of national transportation statistics, to remain available until expended **[\$26,000,000]** \$49,000,000, of which not to exceed **[\$6,500,000]** \$7,000,000 shall be derived from the **Appropriation** appropriation for **Research** "Engineering and development (Airport and Airway Trust Fund)".

For an additional amount for "Transportation planning, research, and development", \$2,500,000, to remain available until expended. (Department of Transportation and Related Agencies Appropriation Act, 1972; Supplemental Appropriations Act, 1972.)

## General and special funds—Continued

## TRANSPORTATION PLANNING, RESEARCH, AND DEVELOPMENT—Con.

## Program and Financing (in thousands of dollars)

Identification code 21-05-0142-0-1-506	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Transportation policy and planning...	5,411	9,241	9,475
2. University research.....			5,000
3. Transportation systems development and technology.....	8,217	20,927	33,100
4. Transportation facilitation.....	243	250	350
5. Special programs.....	206	441	1,075
Total program costs, funded.....	14,077	30,859	49,000
Change in selected resources <sup>1</sup> .....	1,174	2,000	
10 Total obligations.....	15,250	32,859	49,000
<b>Financing:</b>			
13 Receipts and reimbursements from: Trust funds.....		-6,500	-7,000
21 Unobligated balance available, start of year.....	-5,110	-4,359	
24 Unobligated balance available, end of year.....	4,359		
40 Budget authority (appropriation)...	14,500	22,000	42,000
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	15,250	26,359	42,000
72 Obligated balance, start of year.....	5,839	4,203	8,062
74 Obligated balance, end of year.....	-4,203	-8,062	-19,562
90 Outlays.....	16,886	22,500	30,500

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$5,588 thousand; 1971, \$6,762 thousand; 1972, \$8,762 thousand; 1973, \$8,762 thousand.

The Department of Transportation Act of 1966 assigns to the Secretary broad responsibilities for the development and coordination of national transportation policies and programs. This appropriation finances those research activities and studies which directly support the Secretary's responsibilities and which can more effectively or appropriately be conducted in the Office of the Secretary than by the operating administrations within the Department. 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.*—Studies and analyses are conducted on a broad range of transportation policy, economic, and environmental problems to determine national transportation requirements and to provide the Secretary with the information and analyses needed for effective decisionmaking on national transportation policies, plans, and programs. Included are programs to forecast transportation demand, to develop models and other analytical devices that will help assess alternative courses of action, to conduct economic and statistical studies designed to assess the effects of economic regulation, and to examine the interrelationship of transportation with changing economic, social, and environmental programs.

2. *University research.*—Scientific and technological research and interdisciplinary studies conducted under this activity are designed to assure that resources of the higher education community are effectively brought to bear on transportation problems and to encourage greater involvement of universities and colleges with the Department, State, and local governments, and the transportation industry. In addition to mission-oriented research,

university based seminars and conferences will bring university, industry, and government representatives together for joint study of transportation needs.

3. *Transportation systems development and technology.*—Projects are carried out to advance transportation technology generally; to seek solutions to transportation problems which are intermodal in nature; to provide information and forecasts on new technology required as a basis for planning and development of transportation systems, policies, and programs; to conduct research on longer range technical problems in transportation; and to manage research programs of such priority that they demand secretarial emphasis. The funds requested in this activity will continue and expand advanced research and development efforts to improve air transportation (to be financed from the Airport and Airway Trust Fund); to develop multimodal and intermodal systems and technology, and to promote environmental and ecological improvements. In general, projects are designed to complement research and development programs of the operating administrations and to stimulate industry efforts to advance transportation technology.

4. *Transportation facilitation.*—Research and studies in this area are aimed at removing the impediments to the rapid and efficient flow of passengers and cargo by modernizing our systems of transportation documentation and procedures.

5. *Special programs.*—Projects in this activity are chiefly to provide technical studies and other data in support of the Department's programs in the areas of consumer affairs, hazardous materials, pipeline safety, and transportation security.

## Object Classification (in thousands of dollars)

Identification code 21-05-0142-0-1-506	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	1,171	1,673	1,801
11.3 Positions other than permanent.....	115	173	306
11.5 Other personnel compensation.....	17	5	5
Total personnel compensation.....	1,303	1,851	2,112
12.1 Personnel benefits: Civilian.....	91	138	148
21.0 Travel and transportation of persons.....	138	139	196
23.0 Rent, communications, and utilities.....	38		
24.0 Printing and reproduction.....	130	35	45
25.0 Other services.....	13,542	30,687	45,486
26.0 Supplies and materials.....	7	9	13
31.0 Equipment.....	1		
99.0 Total obligations.....	15,250	32,859	49,000

## Personnel Summary

Total number of permanent positions.....	90	90	96
Full-time equivalent of other positions.....	5	7	12
Average paid employment.....	64	95	103
Average GS grade.....	11.8	12.3	12.5
Average GS salary.....	\$18,504	\$19,437	\$20,110

## TRANSPORTATION RESEARCH ACTIVITIES OVERSEAS (SPECIAL FOREIGN CURRENCY PROGRAM)

For payments in foreign currencies which the Treasury Department determines to be excess to the normal requirements of the United States, for necessary expenses for conducting transportation research activities overseas, as authorized by law, \$500,000, to remain available until expended: *Provided*, That this appropriation shall be available, in addition to other appropriations to the Department, for payments in the foregoing currencies. (*Department of Transportation and Related Agencies Appropriation Act, 1972.*)

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

Identification code 21-05-0105-0-1-506	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
10 Overseas research (costs—obligations) (object class 25.0) .....		500	500
<b>Financing:</b>			
40 Budget authority (appropriation) .....		500	500
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net .....		500	500
72 Obligated balance, start of year .....			200
74 Obligated balance, end of year .....		-200	-200
90 Outlays .....		300	500

Foreign currencies which are in excess of the normal requirements of the United States will be used in 1973 to support research projects in Poland and Yugoslavia such as those relating to improved urban transportation systems.

**GRANTS-IN-AID FOR NATURAL GAS PIPELINE SAFETY**

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), **[\$750,000]** \$1,000,000, to remain available until expended. (*Department of Transportation and Related Agencies Appropriation Act, 1972.*)

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

Identification code 21-05-0104-0-1-506	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
10 Grants (costs—obligations) (object class 41.0) .....	500	750	1,000
<b>Financing:</b>			
40 Budget authority (appropriation) .....	500	750	1,000
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net .....	500	750	1,000
72 Obligated balance, start of year .....		500	700
74 Obligated balance, end of year .....	-500	-700	-700
90 Outlays .....		550	1,000

Under the Natural Gas Pipeline Safety Act of 1968 (49 U.S.C. 1674), the Federal Government has established minimum safety standards. States are expected to comply voluntarily with requirements of the act, including annual reporting requirements. Also under the act, grants of up to 50% of the cost of personnel, equipment, and activities of a State agency reasonably required to carry out a natural gas pipeline safety program may be made.

**CONSOLIDATION OF DEPARTMENTAL HEADQUARTERS**

For necessary expenses in connection with the consolidation of departmental activities into the Southwest Area of Washington, District of Columbia, **[\$1,760,000]** \$857,000. (*Department of Transportation and Related Agencies Appropriation Act, 1972.*)

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

Identification code 21-05-0103-0-1-506	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Consolidation of departmental head- quarters (program costs, funded) .....	3,523	2,643	1,057
Change in selected resources <sup>1</sup> .....	-2,929	-883	-200
10 Total obligations .....	594	1,760	857

**Financing:**

25 Unobligated balance lapsing .....	1		
<b>Budget authority</b> .....			
	595	1,760	857
<b>Budget authority:</b>			
40 Appropriation .....	4,845	1,760	857
41 Transferred to other accounts .....	-4,250		
43 Appropriation (adjusted) .....	595	1,760	857
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net .....	594	1,760	857
72 Obligated balance, start of year .....	4,069	1,083	443
74 Obligated balance, end of year .....	-1,083	-443	-100
77 Adjustments in expired accounts .....	2		
90 Outlays .....	3,583	2,400	1,200

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$4,012 thousand; 1971, \$1,083 thousand; 1972, \$200 thousand; 1973, \$0.

Funds in this appropriation are to finance costs incidental to the consolidation of the headquarters organizations under the Department in the Southwest Washington, D.C., area. In 1973, \$857 thousand will be required for rental and maintenance costs of employee parking space in the Nassif Building.

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

Identification code 21-05-0103-0-1-506	1971 actual	1972 est.	1973 est.
23.0 Rent, communications, and utilities .....	594	600	720
25.0 Other services .....		1,160	135
26.0 Supplies and materials .....			1
31.0 Equipment .....			1
99.0 Total obligations .....	594	1,760	857

**Intragovernmental funds:****WORKING CAPITAL FUND****Program and Financing** (in thousands of dollars)

Identification code 21-05-4520-0-4-506	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
<b>Operating costs, funded:</b>			
1. Publishing and graphics program:			
(a) Direct operating costs .....	5,120	5,032	5,495
(b) Overhead costs .....	367	320	318
2. Still photographic services:			
(a) Direct operating costs .....	305	305	330
(b) Overhead costs .....	30	23	30
3. Computer time-sharing services:			
(a) Direct operating costs .....	1,109	800	1,000
(b) Overhead costs .....	21	24	22
4. Library:			
(a) Direct operating costs .....	776	862	966
(b) Overhead costs .....	42	67	63
5. Travel services and imprest fund:			
(a) Direct operating costs .....	138	163	173
(b) Overhead costs .....	18	30	32
6. Central employment information:			
(a) Direct operating costs .....	46	54	59
(b) Overhead costs .....	5	12	15
7. Warehouse management:			
(a) Direct operating costs .....	107	128	147
(b) Overhead costs .....	4	13	14
8. Parking management:			
(a) Direct operating costs .....	4	62	67
(b) Overhead costs .....	27	8	5
9. Chauffeur services:			
(a) Direct operating costs .....	29	122	127
(b) Overhead costs .....	2	17	15
10. Mail and messenger service:			
(a) Direct operating costs .....	109	316	341
(b) Overhead costs .....	9	43	53

## Intragovernmental funds—Continued

## WORKING CAPITAL FUND—Continued

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

Identification code 21-05-4520-0-4-506	1971 actual	1972 est.	1973 est.
11. Computer programing and analysis service:			
(a) Direct operating costs.....		1,000	1,500
(b) Overhead costs.....		4	8
12. Visuals service:			
(a) Direct operating costs.....		189	378
(b) Overhead costs.....		13	31
Total operating costs.....	8,268	9,607	11,189
Capital outlay, funded:			
1. Publishing and graphics program:			
Purchase of equipment.....	12	70	45
2. Still photographic services: Purchase of equipment.....		6	22
3. Library: Purchase of equipment.....	10	37	18
4. Travel services and imprest fund: Purchase of equipment.....	6	1	1
5. Central employment information: Purchase of equipment.....	1		
6. Warehouse management: Purchase of equipment.....		4	3
7. Mail and messenger service: Purchase of equipment.....		3	2
Total capital outlay.....	29	121	91
10 Total program costs, funded—obligations.....	8,297	9,728	11,280
Financing:			
11 Receipts and reimbursements from:			
Federal funds:			
Publishing and graphics program.....	-5,478	-5,386	-5,848
Still photographic services.....	-333	-363	-397
Computer time-sharing services.....	-1,130	-824	-1,022
Library.....	-834	-938	-1,038
Travel services and imprest fund.....	-157	-195	-207
Central employment information.....	-52	-67	-75
Warehouse management.....	-111	-143	-163
Parking management.....	-31	-70	-72
Chauffeur services.....	-31	-140	-143
Mail and messenger service.....	-118	-361	-396
Computer programing and analysis service.....		-1,004	-1,508
Visuals service.....		-203	-410
Unfilled customers' orders.....	-143	-4	-8
21 Unobligated balance available, start of year.....	-361	-482	-452
24 Unobligated balance available, end of year.....	482	452	459
Budget authority.....			
Relation of obligations to outlays:			
71 Obligations incurred, net.....	-122	30	-7
72 Obligated balance, start of year.....	690	766	898
74 Obligated balance, end of year.....	-766	-898	-891
90 Outlays.....	-197	-102	

The working capital fund was authorized by the Department of Transportation Act (sec. 9, Public Law 89-670) to finance common administrative services centrally performed in the interest of economy and efficiency in the Department. Established on July 2, 1967, the fund initially provided for publishing and graphic services, which included costs to operate the departmental printing plant, authorized by the Joint Committee on Printing, U.S. Congress. Subsequent to that date and including programs proposed for 1972, the fund has been expanded to include Washington headquarter services of still photographic services, computer time sharing, consolidated

library operations, consolidated travel and imprest fund operations, central employment information, warehouse management, parking management, chauffeur services, mail and messenger services, computer programing and analysis services, and visuals service.

*Operating results and financial condition.*—Services rendered are charged for at rates which return in full all operating expenses, including a normal reserve for accrued annual leave and depreciation of equipment. The fund is reimbursed in advance by the operating administrations and offices being served. No action is required with regard to the deficit in retained earnings for 1971. The deficit is very slight in relation to the annual revenue of the fund and will be recovered as part of revenue during future years.

## Revenue and Expense (in thousands of dollars)

	1971 actual	1972 est.	1973 est.
Publishing and graphics program:			
Revenue.....	5,478	5,386	5,848
Expense.....	5,521	5,386	5,848
Net operating loss.....	-43		
Still photographic services:			
Revenue.....	333	363	397
Expense.....	367	348	382
Net operating income or loss (—).....	-34	15	15
Computer time-sharing service:			
Revenue.....	1,130	824	1,022
Expense.....	1,130	824	1,022
Net operating income.....			
Library:			
Revenue.....	834	938	1,038
Expense.....	843	938	1,038
Net operating loss.....	-9		
Travel services and imprest fund:			
Revenue.....	157	195	207
Expense.....	157	195	207
Net operating income or loss.....			
Central employment information:			
Revenue.....	52	67	75
Expense.....	52	67	75
Net operating income.....			
Warehouse management:			
Revenue.....	111	143	163
Expense.....	111	143	163
Net operating income.....			
Parking management:			
Revenue.....	31	70	72
Expense.....	31	70	72
Net operating income.....			
Chauffeur services:			
Revenue.....	31	140	143
Expense.....	31	140	143
Net operating income.....			
Mail and messenger service:			
Revenue.....	118	361	396
Expense.....	118	361	396
Net operating income.....			



## Computer programing and analysis service:

Revenue.....	1,004	1,508
Expense.....	1,004	1,508
Net operating income.....		

## Visuals service:

Revenue.....	203	410
Expense.....	203	410
Net operating income.....		
Net income or loss (—) for the year..	—86	15

## Financial Condition (in thousands of dollars)

	1970 actual	1971 actual	1972 est.	1973 est.
<b>Assets:</b>				
Treasury balance.....	1,051	1,248	1,350	1,350
Deposits in transit.....	410	700	700	700
Accounts receivable.....	419	1,138	1,136	1,136
Selected assets:				
Work in process.....	56	64	65	70
Supplies and materials.....	110	129	135	140
Prepaid subscriptions.....	4	2	2	3
Deferred charges.....	3	51	50	50
Fixed assets, equipment.....	496	459	564	568
Library collection.....	2,363	2,363	2,363	2,363
Total assets.....	4,912	6,154	6,365	6,380
<b>Liabilities:</b>				
Accounts payable.....	1,075	1,541	1,600	1,600
Accrued expenses.....	350	1,121	1,100	1,100
Operating reserves (leave).....	173	223	301	301
Advances from customers.....	616	473	500	500
Total liabilities.....	2,214	3,358	3,501	3,501
<b>Government equity:</b>				
Unobligated balance.....	361	482	452	459
Unfilled customers' orders.....	—635	—688	—700	—701
Invested capital and earnings.....	2,972	3,002	3,112	3,121
Total Government equity.....	2,698	2,796	2,864	2,879

## Analysis of Changes in Government Equity (in thousands of dollars)

	1971 actual	1972 est.	1973 est.
<b>Non-interest-bearing capital:</b>			
Start of year.....	2,836	2,861	2,914
Donated assets less assumed liabilities.....	25	53	—
End of year.....	2,861	2,914	2,914
<b>Retained earnings:</b>			
Start of year.....	—138	—65	—50
Adjustment to prior year costs.....	159	—	—
Net income or loss (—) for the year.....	—86	15	15
End of year.....	—65	—50	—35
Total Government equity, end of year.....	2,796	2,864	2,879

## Object Classification (in thousands of dollars)

	1971 actual	1972 est.	1973 est.
Identification code 21-05-4520-0-4-506			
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	2,286	2,849	3,142
11.3 Positions other than permanent.....	52	67	70
11.5 Other personnel compensation.....	210	212	225
Total personnel compensation.....	2,548	3,128	3,437
12.1 Personnel benefits: Civilian.....	197	247	270
21.0 Travel and transportation of persons.....	5	28	34
23.0 Rent, communications, and utilities.....	549	577	680
24.0 Printing and reproduction.....	2,925	2,834	3,094

25.0 Other services.....	1,399	2,068	2,872
26.0 Supplies and materials.....	524	579	635
31.0 Equipment.....	150	267	258
99.0 Total obligations.....	8,297	9,728	11,280

## Personnel Summary

Total number of permanent positions.....	300	320	330
Full-time equivalent of other positions.....	10	13	14
Average paid employment.....	232	282	290
Average GS grade.....	6.7	6.9	6.9
Average GS salary.....	\$9,692	\$9,842	\$9,992
Average salary of ungraded positions.....	\$9,037	\$9,221	\$9,405

## CONSOLIDATED WORKING FUND, TRANSPORTATION SYSTEMS CENTER

## Program and Financing (in thousands of dollars)

	1971 actual	1972 est.	1973 est.
Identification code 21-05-3900-0-4-506			
<b>Program by activities:</b>			
Transportation research (program costs, funded) <sup>1</sup> .....	20,230	31,757	46,318
Change in selected resources <sup>2</sup> .....	3,868	2,500	4,300
10 Total obligations.....	24,098	34,257	50,618
<b>Financing:</b>			
Receipts and reimbursements from:			
11 Federal funds.....	—25,105	—18,060	—30,800
13 Trust funds.....	—758	—15,250	—19,000
21 Unobligated balance available, start of year.....	—	—1,765	—818
24 Unobligated balance available, end of year.....	1,765	818	—
<b>Budget authority</b> .....	—	—	—
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	—1,765	947	818
72 Obligated balance, start of year.....	—	6,380	8,062
74 Obligated balance, end of year.....	—6,380	—8,062	—13,100
90 Outlays.....	—8,145	—735	—4,220

<sup>1</sup> Includes capital outlay as follows: 1971, \$2,239 thousand; 1972, \$3,400 thousand; 1973, \$3,500 thousand.

<sup>2</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$0; 1971, \$3,868 thousand; 1972, \$6,368 thousand; 1973, \$10,668 thousand.

The Consolidated working fund was established to facilitate the conduct of operations of the Transportation Systems Center. The programs of the Center are funded from advances received from the Office of the Secretary and the operating administrations in the Department of Transportation in accordance with general working agreements and specific project plan agreements.

The Transportation Systems Center serves as a technical resource for the Office of the Secretary and the operating administrations. Its specific projects planned for 1973 are grouped generally along the following lines:

**Transportation safety.**—The chief effort under this heading is in the highway safety field with additional efforts in aviation, marine, and railway safety.

**Pollution reduction.**—This grouping includes both aircraft and automotive pollution, with a smaller effort in marine sources.

**Noise abatement.**—Special problems of noise propagation related to transportation systems are covered in this area, with emphasis on development of right-of-way noise barriers.

**Air transportation.**—This grouping of the Center's projects is primarily directed to air traffic control. The balance of the effort is split between navigation and systems development.

## Intragovernmental funds—Continued

CONSOLIDATED WORKING FUND, TRANSPORTATION SYSTEMS  
CENTER—Continued

*Ground transportation.*—Highway utilization and traffic control, new urban transportation systems, advanced high-speed systems, and conventional rail systems are the main project areas under this category.

*Marine transportation.*—This grouping supports the Coast Guard mainly in marine navigation aids.

*Multimodal systems.*—Projects which are not directed towards a single mode of transportation are included here, with the primary effort in modeling, analysis, and inter-modal systems technology.

## Object Classification (in thousands of dollars)

Identification code 21-05-3900-0-4-506	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	7,804	9,709	10,530
11.3 Positions other than permanent.....	70	161	191
11.5 Other personnel compensation.....	24	24	24
11.8 Special personal services payments.....	10	-----	-----
<b>Total personnel compensation.....</b>	<b>7,908</b>	<b>9,894</b>	<b>10,745</b>
12.1 Personnel benefits: Civilian.....	683	876	948
21.0 Travel and transportation of persons.....	419	600	675
22.0 Transportation of things.....	140	120	135
23.0 Rent, communications, and utilities.....	1,197	1,183	1,400
24.0 Printing and reproduction.....	128	115	120
25.0 Other services.....	9,696	16,475	32,345
26.0 Supplies and materials.....	585	635	750
31.0 Equipment.....	3,130	3,500	3,500
32.0 Lands and structures.....	212	859	-----
<b>99.0 Total obligations.....</b>	<b>24,098</b>	<b>34,257</b>	<b>50,618</b>

## Personnel Summary

Total number of permanent positions.....	575	700	700
Full time equivalent of other positions.....	10	28	33
Average paid employment.....	486	620	693
Average GS grade.....	11.0	10.9	10.9
Average GS salary.....	\$16,735	\$16,260	\$16,404
Average salary of ungraded positions.....	\$8,817	\$8,817	\$8,817

## ADVANCES AND REIMBURSEMENTS

## Program and Financing (in thousands of dollars)

Identification code 21-05-3900-0-4-506	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Administration support services.....	1,313	1,741	1,889
2. Agency for International Development.....	102	108	111
3. Transportation research.....	1,772	900	900
<b>10 Total program costs, funded—obligations.....</b>	<b>3,187</b>	<b>2,749</b>	<b>2,900</b>
<b>Financing:</b>			
11 Receipts and reimbursements from: Federal funds.....	-3,187	-2,749	-2,900
<b>Budget authority.....</b>	<b>-----</b>	<b>-----</b>	<b>-----</b>
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	-----	-----	-----
<b>90 Outlays.....</b>	<b>-----</b>	<b>-----</b>	<b>-----</b>

## Object Classification (in thousands of dollars)

<b>Personnel compensation:</b>			
11.1 Permanent positions.....	858	1,126	1,056
11.3 Positions other than permanent.....	21	17	20
11.5 Other personnel compensation.....	21	-----	-----
<b>Total personnel compensation.....</b>	<b>900</b>	<b>1,143</b>	<b>1,076</b>
12.1 Personnel benefits: Civilian.....	77	96	88
23.0 Rent, communications, and utilities.....	19	23	23
24.0 Printing and reproduction.....	6	-----	-----
25.0 Other services.....	2,185	1,487	1,713
<b>99.0 Total obligations.....</b>	<b>3,187</b>	<b>2,749</b>	<b>2,900</b>

## Personnel Summary

Total number of permanent positions.....	81	89	73
Full-time equivalent of other positions.....	1	1	1
Average paid employment.....	68	84	74
Average GS grade.....	9.7	9.7	10.2
Average GS salary.....	\$14,052	\$13,937	\$14,861

## COAST GUARD

## MILITARY PERSONNEL SUMMARY ALL APPROPRIATIONS—ACTIVE FORCES

## Average Numbers

	1971	Commissioned	Warrant	Enlisted	Cadets	Total
<b>Direct:</b>						
Operating expenses.....	4,024	1,156	31,309	884	-----	37,373
Acquisition, construction, and improvements.....	53	9	32	---	---	94
Reserve training.....	135	55	787	---	---	977
Research, development, test, and evaluation.....	35	7	32	---	---	74
Yard fund.....	8	3	17	---	---	28
<b>Subtotal.....</b>	<b>4,255</b>	<b>1,230</b>	<b>32,177</b>	<b>884</b>	<b>-----</b>	<b>38,546</b>
<b>Reimbursable:</b>						
Operating expenses:						
Department of Transportation.....	18	-----	6	---	---	24
Other.....	16	2	56	---	---	74
Acquisition, construction, and improvements.....	9	1	-----	---	---	10
<b>Subtotal.....</b>	<b>43</b>	<b>3</b>	<b>62</b>	<b>---</b>	<b>---</b>	<b>108</b>
<b>Total.....</b>	<b>4,298</b>	<b>1,233</b>	<b>32,239</b>	<b>884</b>	<b>-----</b>	<b>38,654</b>

## 1972

<b>Direct:</b>						
Operating expenses.....	4,080	1,167	30,832	915	-----	36,994
Acquisition, construction, and improvements.....	57	13	39	---	---	109
Reserve training.....	132	52	742	---	---	926
Research, development, test, and evaluation.....	48	8	34	---	---	90
Yard fund.....	9	3	18	---	---	30
<b>Subtotal.....</b>	<b>4,326</b>	<b>1,243</b>	<b>31,665</b>	<b>915</b>	<b>-----</b>	<b>38,149</b>
<b>Reimbursable:</b>						
Operating expenses:						
Department of Transportation.....	16	1	8	---	---	25
Other.....	29	5	68	---	---	102
Acquisition, construction, and improvements.....	9	1	-----	---	---	10
<b>Subtotal.....</b>	<b>54</b>	<b>7</b>	<b>76</b>	<b>---</b>	<b>---</b>	<b>137</b>
<b>Total.....</b>	<b>4,380</b>	<b>1,250</b>	<b>31,741</b>	<b>915</b>	<b>-----</b>	<b>38,286</b>

1973					
<b>Direct:</b>					
Operating expenses.....	4,152	1,198	31,446	987	37,783
Acquisition, construction, and improvements.....	65	18	39	---	122
Reserve training.....	129	51	712	---	892
Research, development, test, and evaluation.....	66	8	34	---	108
Yard fund.....	9	3	18	---	30
Subtotal.....	4,421	1,278	32,249	987	38,935
<b>Reimbursable:</b>					
<b>Operating expenses:</b>					
Department of Transportation..	16	1	8	---	25
Other.....	31	5	68	---	104
Acquisition, construction, and improvements.....	9	1	---	---	10
Subtotal.....	56	7	76	---	139
Total.....	4,477	1,285	32,325	987	39,074

## Yearend Numbers

1971					
<b>Direct:</b>					
Operating expenses.....	4,213	1,170	30,666	684	36,733
Acquisition, construction, and improvements.....	53	9	32	---	94
Reserve training.....	135	55	787	---	977
Research, development, test, and evaluation.....	35	7	32	---	74
Yard fund.....	9	3	18	---	30
Subtotal.....	4,445	1,244	31,535	684	37,908
<b>Reimbursable:</b>					
<b>Operating expenses:</b>					
Department of Transportation..	18	---	8	---	26
Other.....	27	3	75	---	105
Acquisition, construction, and improvements.....	9	1	---	---	10
Subtotal.....	54	4	83	---	141
Total.....	4,499	1,248	31,618	684	38,049
1972					
<b>Direct:</b>					
Operating expenses.....	4,226	1,168	31,080	665	37,139
Acquisition, construction, and improvements.....	61	14	64	---	139
Reserve training.....	129	51	712	---	892
Research, development, test, and evaluation.....	48	8	34	---	90
Yard fund.....	9	3	18	---	30
Subtotal.....	4,473	1,244	31,908	665	38,290
<b>Reimbursable:</b>					
<b>Operating expenses:</b>					
Department of Transportation..	16	1	8	---	25
Other.....	29	5	60	---	94
Acquisition, construction, and improvements.....	9	1	---	---	10
Subtotal.....	54	7	68	---	129
Total.....	4,527	1,251	31,976	665	38,419
1973					
<b>Direct:</b>					
Operating expenses.....	4,309	1,206	31,577	717	37,809
Acquisition, construction, and improvements.....	65	18	39	---	122
Reserve training.....	129	51	712	---	892
Research, development, test, and evaluation.....	66	8	34	---	108
Yard fund.....	9	3	18	---	30
Subtotal.....	4,578	1,286	32,380	717	38,961

<b>Reimbursable:</b>					
<b>Operating expenses:</b>					
Department of Transportation..	16	1	8	---	25
Other.....	31	5	74	---	110
Acquisition, construction, and improvements.....	9	1	---	---	10
Subtotal.....	56	7	82	---	145
Total.....	4,634	1,293	32,462	717	39,106

## Federal Funds

## General and special funds:

## OPERATING EXPENSES

For necessary expenses for the operation and maintenance of the Coast Guard, not otherwise provided for, including services as authorized by 5 U.S.C. 3109; purchase of not to exceed sixteen passenger motor vehicles for replacement only; and recreation and welfare; \$475,000,000 \$523,300,000, of which \$143,003 \$164,905 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-six exclusive of planes and parts stored to meet future attrition: *Provided further*, That, without regard to any provisions of law or Executive order prescribing minimum flight requirements, Coast Guard regulations which establish proficiency standards and maximum and minimum flying hours for this purpose may provide for the payment of flight pay at the rates prescribed in section 301 of title 37, United States Code to certain members of the Coast Guard otherwise entitled to receive flight pay during the current fiscal year (1) who have held aeronautical ratings or designations for not less than fifteen years, or (2) whose particular assignment outside the United States or in Alaska, makes it impractical to participate in regular aerial flights, or who have been assigned to a course of instruction of 90 days or more: *Provided further*, That amounts equal to the obligated balances against the appropriations for "Operating expenses" for the two preceding years, shall be transferred to and merged with this appropriation, and such merged appropriation shall be available as one fund, except for accounting purposes of the Coast Guard, for the payment of obligations properly incurred against such prior year appropriations and against this appropriation: *Provided further*, That, except as otherwise authorized by the Act of September 30, 1950 (20 U.S.C. 236-244), this appropriation shall be available for expenses of primary and secondary schooling for dependents of Coast Guard 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: *Provided further*, That not to exceed \$15,000 shall be available for investigative expenses of a confidential character, to be expended on the approval and authority of the Commandant and his determination shall be final and conclusive upon the accounting officer of the Government. (14 U.S.C.; 10 U.S.C. Subtitle A; 19 U.S.C. 261, 267, 1451; 33 U.S.C.; 37 U.S.C.; 46 U.S.C.; 49 U.S.C. 1651 et seq.; 50 U.S.C. 191, 194; Department of Transportation and Related Agencies Appropriation Act, 1972; additional authorizing legislation to be proposed for \$297,693,000.)

## Program and Financing (in thousands of dollars)

Identification code 21-15-0201-0-1-502	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
<b>Direct program:</b>			
1. Search and rescue.....	130,305	146,827	156,194
2. Aids to navigation.....	96,555	101,486	106,537
3. Marine safety.....	37,648	40,301	46,060
4. Maritime environmental protection.....	20,599	26,539	33,170
5. Ocean operations.....	56,006	60,840	59,026
6. Military readiness.....	25,038	24,082	25,717
7. General support.....	83,109	92,474	96,431
Total direct program costs...	449,260	492,549	523,135

## General and special funds—Continued

## OPERATING EXPENSES—Continued

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

Identification code 21-15-0201-0-1-502	1971 actual	1972 est.	1973 est.
<b>Programs by activities—Continued</b>			
<b>Direct program—Continued</b>			
Unfunded adjustments to direct program costs: Property transferred in without charge.....	-2,876	-4,000	-4,000
Total direct program costs, funded.....	446,384	488,549	519,135
Change in selected resources <sup>1</sup> .....	-610	4,000	4,000
Total direct obligations.....	445,775	492,549	523,135
<b>Reimbursable program:</b>			
8. Miscellaneous services for other accounts (reimbursable program costs).....	8,909	11,000	11,000
Change in selected resources <sup>1</sup> .....	-561	-----	-----
Total reimbursable obligations.....	8,348	11,000	11,000
10 Total obligations.....	454,123	503,549	534,135
<b>Financing:</b>			
Receipts and reimbursements from:			
11 Federal funds.....	-8,019	-10,600	-10,600
14 Non-Federal sources <sup>2</sup> .....	-306	-400	-400
21 Unobligated balance available, start of year.....	-220	-197	-197
24 Unobligated balance available, end of year.....	197	197	197
25 Unobligated balance lapsing.....	40	-----	-----
Budget authority.....	445,815	492,549	523,135
Budget authority:			
40 Appropriation.....	446,000	475,000	523,300
40.48 Portion applied to debt reduction.....	-137	-143	-165
41 Transferred to other accounts.....	-48	-92	-----
43 Appropriation (adjusted).....	445,815	474,765	523,135
44.30 Proposed supplemental for military pay act increases.....	-----	17,784	-----
Relation of obligations to outlays:			
71 Obligations incurred, net.....	445,798	492,549	523,135
72 Obligated balance, start of year.....	53,011	51,341	58,229
74 Obligated balance, end of year.....	-51,341	-58,229	-71,868
77 Adjustments in expired accounts.....	-1,375	-----	-----
90 Outlays, excluding pay increase supplemental.....	446,093	467,877	509,496
91.30 Outlays from military pay act supplemental.....	-----	17,784	-----

<sup>1</sup> Selected resources as of June 30 are as follows:

	1970	1971 adjustments	1971	1972	1973
<b>Direct program:</b>					
Stores.....	80,482	-----	82,455	83,455	84,455
Unpaid undelivered orders.....	33,013	-1,375	31,702	34,702	37,702
Advances.....	3,949	-----	3,618	3,618	3,618
Uncompleted work orders.....	2,363	-----	46	46	46
Total.....	119,806	-1,375	117,822	121,822	125,822
<b>Reimbursable program:</b>					
Unpaid undelivered orders.....	980	397	810	810	810
Advances.....	3	-----	-----	-----	-----
Uncompleted work orders.....	423	-----	432	432	432
Total.....	1,406	397	1,242	1,242	1,242

<sup>2</sup> Reimbursements from non-Federal sources are derived from the sale of personal property (40 U.S.C. 481(c)) and repair or replacement of damaged Coast Guard property (14 U.S.C. 642).

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 to carry out the duties specified in title 14, United States Code.

*Direct program.*—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 any and all acts necessary to rescue and aid persons and save property placed in jeopardy due to marine and aircraft disaster or due to floods and ice conditions (14 U.S.C. 88). Coast Guard activities in the area of search and rescue fall within the National SAR Plan and other agreements.

## WORKLOAD DATA

	1970 actual	1971 actual	1972 estimate	1973 estimate
Search and rescue cases responded to by Coast Guard forces.....	43,975	45,734	46,046	47,576
Miles of track opened through ice.....	10,351	20,743	24,000	24,000

2. *Aids to navigation.*—A network of manned and unmanned aids to navigation is maintained along our coasts and on our inland waterways through the use of tenders and shore facilities 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 (14 U.S.C. 81).

## WORKLOAD DATA

	1970 actual	1971 actual	1972 estimate	1973 estimate
Loran-A coverage (in millions of square miles): Ground wave.....	12.5	12.5	12.5	12.2
Loran-C coverage (in millions of square miles): Ground wave.....	12.6	11.8	12.6	12.6
Federal floating aids.....	25,600	26,057	26,700	27,400
Federal fixed aids and short-range electronic aids (radio beacons).....	19,934	20,545	21,200	21,900
Private aids authorized.....	26,633	27,594	28,500	29,500
Bridge permits and regulations processed.....	369	432	480	530

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 conducting marine casualty investigations; and by setting standards, procedures, and practices under which merchant marine personnel are regulated (14 U.S.C. 2). Coast Guard vessels and personnel assisted by the Coast Guard Auxiliary and State and local personnel provide a balanced boating program.

## WORKLOAD DATA

	1970 actual	1971 actual	1972 estimate	1973 estimate
<b>Commercial vessel safety:</b>				
Licenses and documents issued.....	43,816	45,180	56,000	44,000
Seamen discharged.....	527,953	318,293	475,000	450,000
Vessels certificated.....	9,341	9,737	9,350	9,350
Marine casualties investigated.....	4,924	4,481	5,100	5,100
<b>Boating safety:</b>				
Safety patrols (includes auxiliary).....	41,755	51,107	58,800	63,100
Public contacts through classroom instructions and courtesy motorboat examinations.....	620,000	777,453	847,000	931,000

4. *Marine environmental protection.*—Under the Federal Water Pollution Control Act, as amended, the National Environmental Policy Act, and other laws, international agreements, and conventions, the Coast Guard is charged with the prevention of damage to the marine environment

from intentional and unintentional acts and the enhancement of environmental quality. Also, under title 14 of the United States Code, the Dangerous Cargo Act, the Tank Vessel Act, Executive Order 10173, as amended, and various statutes, the Coast Guard must maintain an acceptable level of safety and security in U.S. ports to insure their availability for maximum economic utilization, their availability in time of national emergency, and their environmental quality.

## WORKLOAD DATA

Port safety:	1970 actual	1971 actual	1972 estimate	1973 estimate
Waterfront facilities and vessels inspected.....	76,109	134,137	138,000	141,000
Explosives loadings supervised.....	1,060	1,025	1,025	1,025
Marine environmental protection:				
Pollution patrols.....	2,100	2,100	3,000	6,000
Number of spills reported.....	1,159	6,800	10,000	10,000

5. *Ocean operations.*—The Coast Guard participates in the National Marine Sciences program (14 U.S.C. 94), which is coordinated by the Interagency Committee on Marine Science and Engineering. Its facilities cooperate with the National Weather Service in taking weather observations from vessels manning seven ocean stations (14 U.S.C. 90). Icebreaking is performed by specially constructed icebreakers engaged in polar operations with other agencies (14 U.S.C. 2). Also included in this program is conduct of the International Ice Patrol (46 U.S.C. 738).

## WORKLOAD DATA

Ocean stations:	1970 actual	1971 actual	1972 estimate	1973 estimate
Upper air meteorological observations.....	9,240	9,789	9,120	8,330
Aircraft flights serviced.....	132,000	78,900	75,860	72,440
Polar operations and oceanographic activities:				
Measurement tons of cargo and fuel delivered via escorted ships and by icebreakers.....	184,450	165,525	160,000	160,000
Miles of ship survey track.....	208,000	224,000	191,000	156,000
Miles of aircraft survey track.....	83,000	100,300	105,000	200,000
Offshore law enforcement:				
Sighting of foreign fishing vessels.....	7,328	6,165	6,540	6,900

6. *Military readiness.*—The Coast Guard operates as a service in the Navy in times of war or national emergency at the direction of the President. During peacetime, an effective state of military preparedness is maintained through unit, multiship and joint naval training exercises and through other Coast Guard operations (14 U.S.C. 3). Included in this category are Coast Guard military operations in Vietnam.

7. *General support.*—Certain facilities of the Coast Guard provide overall direction and support of all Coast Guard programs. Included are training stations, supply facilities, and nonoperational services at headquarters and district offices.

*Reimbursable program.*—8. *Miscellaneous services for other accounts.*—The Coast Guard performs various functions for other agencies and accounts for which reimbursement is received.

*Capehart family housing indebtedness.*—The following informational schedule shows the status of the indebtedness assumed from Department of Defense for transfer of

family housing units for assignment as public quarters. The analysis of the indebtedness is as follows (in thousands of dollars):

	1971 actual	1972 estimate	1973 estimate
Total debt incurred, start of year.....	3,313	3,313	3,313
Transfer from Department of Defense at Petaluma, Calif.....	-----	-----	243
Total debt incurred, end of year <sup>1</sup> .....	3,313	3,313	3,556
Debt retirement:			
(a) Prior years.....	-484	-621	-764
(b) Current year.....	-137	-143	-165
Total.....	-621	-764	-929
(c) Remaining debt, end of year.....	2,692	2,549	2,627

<sup>1</sup> Balance of indebtedness assumed upon transfer from the Department of Defense.

## Object Classification (in thousands of dollars)

Identification code 21-15-0201-0-1-502	1971 actual	1972 est.	1973 est.
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	42,412	46,218	45,920
11.3 Positions other than permanent.....	1,129	1,145	1,145
11.5 Other civilian personnel compensation.....	470	485	485
11.7 Military personnel.....	188,705	214,708	231,959
Total personnel compensation.....	232,716	262,556	279,509
Personnel benefits:			
12.1 Civilian.....	4,747	5,107	5,420
12.2 Military personnel.....	51,443	60,990	65,734
21.0 Travel and transportation of persons.....	12,259	13,261	13,305
22.0 Transportation of things.....	9,896	10,158	10,591
23.0 Rent, communications, and utilities.....	16,142	16,579	17,286
24.0 Printing and reproduction.....	1,338	1,367	1,425
25.0 Other services.....	40,136	41,060	43,318
26.0 Supplies and materials.....	62,284	62,719	66,996
31.0 Equipment.....	15,434	15,838	16,513
32.0 Lands and structures.....	2,140	2,190	2,283
42.0 Insurance claims and indemnities.....	568	576	601
43.0 Interest and dividends.....	158	148	154
Total direct costs.....	449,260	492,549	523,135
94.0 Change in selected resources, net of unfunded adjustments.....	-3,485	-----	-----
Total direct obligations.....	445,775	492,549	523,135
Reimbursable obligations:			
Personnel compensation:			
11.1 Permanent positions.....	16	197	324
11.7 Military personnel.....	692	1,058	1,088
Total personnel compensation.....	708	1,255	1,412
Personnel benefits:			
12.1 Civilian.....	1	15	25
12.2 Military personnel.....	179	289	313
21.0 Travel and transportation of persons.....	481	566	554
22.0 Transportation of things.....	97	114	112
23.0 Rent, communications, and utilities.....	186	218	214
25.0 Other services.....	2,956	3,480	3,409
26.0 Supplies and materials.....	3,273	3,852	3,774
31.0 Equipment.....	1,029	1,211	1,187
Total reimbursable costs.....	8,909	11,000	11,000
94.0 Change in selected resources.....	-561	-----	-----
Total reimbursable obligations.....	8,348	11,000	11,000
99.0 Total obligations.....	454,123	503,549	534,135

## General and special funds—Continued

## OPERATING EXPENSES—Continued

## Personnel Summary

	1971 actual	1972 est.	1973 est.
<b>Direct program:</b>			
Military:			
Total number of permanent positions ..	37,987	37,184	37,854
Average number ..	37,373	36,994	37,783
Civilian:			
Total number of permanent positions ..	4,943	5,188	5,136
Full-time equivalent of other positions ..	207	207	207
Average paid employment ..	4,532	4,682	4,648
Average GS grade ..	7.1	7.1	7.1
Average GS salary ..	\$10,436	\$10,520	\$10,520
Average salary of ungraded positions ..	\$8,717	\$9,379	\$9,379
<b>Reimbursable program:</b>			
Military:			
Total number of permanent positions ..	131	135	135
Average number ..	98	127	129
Civilian:			
Total number of permanent positions ..	4	25	34
Average paid employment ..	2	19	29
Average GS grade ..	7.1	7.1	7.1
Average GS salary ..	\$10,436	\$10,520	\$10,520
Average salary of ungraded positions ..	\$8,717	\$9,379	\$9,379

## OPERATING EXPENSES

(Supplemental now requested)

## Program and Financing (in thousands of dollars)

Identification code 21-15-0201-1-1-502	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
10 Marine safety (costs—obligations) ..		500	
<b>Financing:</b>			
40 Budget authority (proposed supplemental appropriation) ..		500	
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net ..		500	
90 Outlays ..		500	

A narrative statement, describing the purpose of this request, and proposed appropriation language are included in Part III of this volume.

## ACQUISITION, CONSTRUCTION, AND IMPROVEMENTS

For necessary expenses of acquisition, construction, rebuilding, and improvement of aids to navigation, shore facilities, vessels, and aircraft, including equipment related thereto; [and services as authorized by 5 U.S.C. 3109; \$97,682,000] \$135,660,000, to remain available until expended. (14 U.S.C.; Department of Transportation and Related Agencies Appropriation Act, 1972; additional authorizing legislation to be proposed.)

## Program and Financing (in thousands of dollars)

Identification code 21-15-0240-0-1-502	Cost to this appropriation			Analysis of 1973 financing		
	1971 actual	1972 estimate	1973 estimate	Deduct selected resources and unobligated balance, start of year <sup>1</sup>	Add selected resources and unobligated balance, end of year <sup>1</sup>	Appropriation required, 1973
<b>Program by activities:</b>						
<b>Direct program:</b>						
1. Vessels ..	32,353	37,227	71,040	53,190	63,220	81,070
2. Aircraft ..	5,612	25,239	21,294	25,607	15,913	11,600
3. Shore stations and navigational aids ..	12,202	26,896	34,183	29,062	25,019	30,140
4. Repair and supply facilities ..	6,041	13,749	11,913	6,658	4,215	9,470
5. Training and recruiting facilities ..	4,010	6,584	6,707	5,977	2,650	3,380
6. Alteration of bridges ..	4,609	2,759				
Total direct program costs, funded ..	64,828	112,454	145,137	120,494	111,017	135,660
Change in selected resources <sup>1</sup> ..	-12,897	52,595	-7,968			
Total direct obligations ..	51,931	165,050	137,169			
<b>Reimbursable program:</b>						
1. Vessels ..	540	236	100			
7. Loran to meet Department of Defense requirements ..	798	3,096	1,563			
Total reimbursable programs costs, funded ..	1,338	3,332	1,663			
Change in selected resources <sup>1</sup> ..	-136	610	-480			
Total reimbursable obligations ..	1,202	3,942	1,183			
10 Total obligations ..	53,133	168,992	138,352			
<b>Financing:</b>						
Receipts and reimbursements from:						
11 Federal funds ..	-23	-3,135				
14 Non-Federal sources (40 U.S.C. 481(c)) ..	-189	-100	-100			
21 Unobligated balance available, start of year ..	-34,602	-75,682	-7,607			
24 Unobligated balance available, end of year ..	75,682	7,607	5,015			
40 Budget authority (appropriation) ..	94,000	97,682	135,660			

Relation of obligations to outlays:				
71	Obligations incurred, net.....	52,920	165,757	138,252
72	Obligated balance, start of year.....	79,794	64,242	124,595
74	Obligated balance, end of year.....	-64,242	-124,595	-154,267
90	Outlays.....	68,473	105,404	108,580

<sup>1</sup> Selected resources and unobligated balances as of June 30 are as follows:

Direct program:				
Selected resources:				
	1970	1971	1972	1973
Unpaid undelivered orders.....	69,594	59,186	113,970	106,002
Advances.....	4,679	2,189	-----	-----
Total selected resources.....	74,273	61,375	113,970	106,002
Unobligated balance:				
Apportioned.....	14,812	73,315	-----	-----
Reserve for subsequent apportionment.....	17,011	577	6,524	5,015
Total unobligated balance.....	31,823	73,892	6,524	5,015
Total direct selected resources and unobligated balance.....	106,096	135,268	120,494	111,017
Reimbursable program:				
Selected resources:				
Unpaid undelivered orders.....	492	462	1,077	597
Advances.....	111	5	-----	-----
Total selected resources.....	603	467	1,077	597
Unobligated balance:				
Apportioned.....	1,168	1,578	1,083	-----
Reserve for subsequent apportionment.....	1,612	-----	-----	-----
Other.....	-----	212	-----	-----
Total unobligated balance.....	2,780	1,790	1,083	-----
Total reimbursable selected resources and unobligated balance.....	3,383	2,257	2,160	597

This appropriation provides for the acquisition, construction, and improvement of vessels, aircraft, shore facilities, and aids to navigation.

*Direct program.*—1. *Vessels.*—The program under this activity includes the replacement of one *Wind* class icebreaker. Improvement of already existing facilities includes renovation and improvement of several buoy tenders and two *Wind* class polar icebreakers; and major repairs to the CGC *Glacier*.

2. *Aircraft.*—This activity provides for the procurement of two C-130 long-range aircraft for search and rescue, law enforcement and surveillance and outer wing rework for nine C-130 B's.

3. *Shore units and navigational aids.*—This activity will include programs to: (a) replace or renovate facilities in 15 various locations, (b) provide housing and barracks facilities for Coast Guard personnel and their dependents where living accommodations are inadequate; and (c) to facilitate the survey and design of future construction projects. The program for lighthouse automation and modernization (LAMP) will be continued in 1973. This activity provides for the establishment of and changes to aids to navigation projects marking river and harbor improvements effected by the U.S. Corps of Engineers and other urgent needs. Other programs under the aids to navigation activity provide for the upgrading and modernization of loran-C stations, including the construction of station at Presque Isle, Maine. The establishment of the Marine Traffic Control System for the Houston ship channel will represent a significant step toward better maritime traffic management, vessel collision avoidance, and more effective communications. In the area of pollution abatement, there are projects for procurement of hardware for the National Pollution Response Center Information System, and the construction of sewage treatment and disposal systems on board several Coast Guard vessels and shore stations.

5. *Training and recruiting facilities.*—Included in 1973 are the construction of a barracks at Yorktown, Va., and expansion of the electrical capacity at Cape May, N.J.

Object Classification (in thousands of dollars)			
Identification code 21-15-0240-0-1-502	1971 actual	1972 est.	1973 est.
COAST GUARD			
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	1,364	1,341	1,411
11.3 Positions other than permanent.....	28	22	22
11.5 Other civilian personnel compensation.....	17	15	20
11.7 Military personnel.....	855	1,134	1,155
Total personnel compensation.....	2,264	2,512	2,608
Personnel benefits:			
12.1 Civilian.....	123	119	125
12.2 Military personnel.....	235	249	345
21.0 Travel and transportation of persons.....	269	270	275
22.0 Transportation of things.....	69	70	75
23.0 Rent, communications, and utilities.....	15	25	35
24.0 Printing and reproduction.....	23	25	30
25.0 Other services.....	7,997	8,045	15,590
26.0 Supplies and materials.....	1,760	4,395	6,235
31.0 Equipment.....	37,139	73,746	90,894
32.0 Lands and structures.....	14,918	22,946	28,925
Total direct costs, funded.....	64,812	112,402	145,137
94.0 Change in selected resources.....	-12,897	52,595	-7,968
Total direct obligations, Coast Guard.....	51,915	164,998	137,169
ALLOCATION TO GENERAL SERVICES ADMINISTRATION			
25.0 Other services.....	2	-----	-----
32.0 Lands and structures.....	14	52	-----
Total direct costs, funded—obligations, allocation to General Services Administration.....	16	52	-----
Total direct obligations.....	51,931	165,050	137,169

## General and special funds—Continued

## ACQUISITION, CONSTRUCTION, AND IMPROVEMENTS—Continued

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

Identification code 21-15-0240-0-1-502	1971 actual	1972 est.	1973 est.
ALLOCATION TO GENERAL SERVICES ADMINISTRATION—Continued			
Reimbursable obligations:			
Personnel compensation:			
11.1 Permanent positions .....	37		
11.7 Military personnel .....	105	122	123
Total personnel compensation .....	142	122	123
Personnel benefits:			
12.1 Civilian .....	3		
12.2 Military personnel .....	24	23	24
21.0 Travel and transportation of persons .....	21	31	20
22.0 Transportation of things .....	95	95	60
23.0 Rent, communications, and utilities .....	1	1	1
25.0 Other services .....	123	200	100
26.0 Supplies and materials .....	21	150	100
31.0 Equipment .....	808	2,435	1,050
32.0 Lands and structures .....	102	275	185
Total reimbursable costs .....	1,338	3,332	1,663
94.0 Change in selected resources .....	-136	610	-480
Total reimbursable obligations .....	1,202	3,942	1,183
99.0 Total obligations .....	53,133	168,992	138,352

## Personnel Summary

## Direct program:

Military:			
Total number of permanent positions .....	94	139	122
Average number .....	94	109	122
Civilian:			
Total number of permanent positions .....	153	136	136
Full-time equivalent of other positions .....	4	4	4
Average paid employment .....	119	111	117
Average GS grade .....	7.1	7.1	7.1
Average GS salary .....	\$10,436	\$10,520	\$10,520
Average salary of ungraded positions .....	\$8,717	\$9,379	\$9,379
Reimbursable program:			
Military:			
Total number of permanent positions .....	10	10	10
Average number .....	10	10	10
Civilian:			
Total number of permanent positions .....	4	0	0
Average paid employment .....	2	0	0
Average GS grade .....	7.1	7.1	7.1
Average GS salary .....	\$10,436	\$10,520	\$10,520
Average salary of ungraded positions .....	\$8,717	\$9,379	\$9,379

## ALTERATION OF BRIDGES

For necessary expenses for alteration of obstructive bridges; [including services as authorized by 5 U.S.C. 3109; \$9,750,000] \$12,500,000, to remain available until expended. (14 U.S.C.; 33 U.S.C. 511 *et seq.*; Department of Transportation and Related Agencies Appropriation Act, 1972.)

## Program and Financing (in thousands of dollars)

Identification code 21-15-0244-0-1-502	1971 actual	1972 est.	1973 est.
Program by activities:			
Alteration of bridges (operating cost, funded) .....		7,150	10,095
Change in selected resources <sup>1</sup> .....		1,600	3,405
10 Total obligations (object class 25.0) .....		8,750	13,500

## Financing:

21 Unobligated balance available, start of year .....			-1,000
24 Unobligated balance available, end of year .....		1,000	
40 Budget authority (appropriation) .....		9,750	12,500
Relation of obligations to outlays:			
71 Obligations incurred, net .....		8,750	13,500
72 Obligated balance, start of year .....			1,600
74 Obligated balance, end of year .....		-1,600	-5,431
90 Outlays .....		7,150	9,669

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1971, \$0; 1972, \$1,600 thousand; 1973, \$5,005 thousand.

This appropriation provides for the Government's share of altering or removal of railroad and publicly-owned highway bridges, so as to remove obstructions to the free navigation of waters of the United States. The Coast Guard for the U.S. Government, under the provisions of 33 U.S.C. 511 *et seq.* (Truman-Hobbs Act), shares in the cost of altering or removing bridges which are deemed to hinder free navigation.

The table below compares the programs for 1970-73 (in thousands of dollars):

	1970 actual <sup>1</sup>	1971 actual	1972 estimate	1973 estimate
<i>Bridge/owner</i>				
Calumet River, Chicago, Ill. (Calumet Western and Chicago & Western Indiana R.R.'s) .....	6,400			
Berwick Bay, Morgan City, La. (Southern Pacific R.R.) .....	2,004			
Cape Fear River, Wilmington, N.C. (Seaboard Coast Line R.R.) .....	1,000		3,000	1,250
Chattahoochee River, Alaga, Ala. (Seaboard Coast Line R.R.) .....			600	2,200
Chattahoochee River, Alaga, Ala. Highway 84 (Alabama State Highway Department) .....			400	1,200
Elizabeth River, Norfolk, Va. (Norfolk & Western R.R.) .....			1,200	2,580
Chattahoochee River, Columbia, Ala. (Southern Railway System) .....			400	800
Gulf I.C.W., Gulf Beach, Fla. Highway 292 (Florida State Road Department) .....			350	970
Calumet River, Chicago, Ill. (Elgin, Joliet & Eastern R.R.) .....			1,400	2,400
Illinois River, Beardstown, Ill. (Burlington Northern, Inc.) .....			2,400	1,100
Total .....	9,404		9,750	12,500

<sup>1</sup> Financed from "Acquisition, construction, and improvements."

## RETIRED PAY

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 Plan; [\$71,371,000] such amounts as may be required during the current fiscal year. (14 U.S.C.; 10 U.S.C. 1164, 1166, 1201, 1202, 1204, 1205, 1263, 1293, 1305, 1431-1446; 33 U.S.C. 763, 763-1, 763-2, 763a-1, 763a-2, 765, 771, 772; Department of Transportation and Related Agencies Appropriation Act, 1972.)

## Program and Financing (in thousands of dollars)

Identification code 21-15-0241-0-1-502	1971 actual	1972 est.	1973 est.
Program by activities:			
1. Regular military personnel .....	62,942	68,268	69,945
2. Former Lighthouse and Lifesaving Services personnel .....	1,810	1,790	1,691
3. Reserve personnel .....	919	1,051	1,173
4. Survivor benefit payments .....	214	217	217
Total program costs .....	65,885	71,326	73,026



	Unfunded adjustments: Deductions from retired pay.....	-518	-526	-526
10	Total program costs, funded—obligations (object class 13.0).....	65,367	70,800	72,500
<b>Financing:</b>				
25	Unobligated balance lapsing.....	483	571	-----
40	Budget authority (appropriation) (indefinite).....	65,850	71,371	72,500
Relation of obligations to outlays:				
71	Obligations incurred, net.....	65,367	70,800	72,500
72	Obligated balance, start of year.....	73	104	104
74	Obligated balance, end of year.....	-104	-104	-104
77	Adjustments in expired accounts.....	-18	-----	-----
90	Outlays.....	65,317	70,800	72,500

This appropriation provides for retired pay of military personnel of the Coast Guard and Coast Guard Reserve, members of the former Lighthouse and Lifesaving Services, and for annuities payable to beneficiaries of retired military personnel under the Retired Serviceman's Family Protection Plan (10 U.S.C. 1431-1446).

The actual number on the rolls at the end of 1971 was 14,123 and the number estimated to be on the rolls at the end of 1972 and 1973 is 14,422 and 14,631, respectively. The following tabulation shows the average number of personnel on the rolls during 1971 compared with estimated numbers for 1972 and 1973.

Category	AVERAGE NUMBER		
	1971 actual	1972 estimate	1973 estimate
Enlisted men.....	8,889	9,055	9,164
Commissioned officers.....	2,696	2,730	2,735
Warrant officers.....	1,824	1,894	1,928
Former Lighthouse and Lifesaving Services personnel.....	397	370	347
Reserve personnel.....	300	327	363
Total.....	14,106	14,376	14,537

Under the provisions of the Retired Serviceman's Family Protection Plan, retired Coast Guard military personnel who elect to receive reduced amounts of retired pay may provide for monthly payments to their survivors. Appropriation requirements are reduced by the difference between the amount deducted from retired pay and the amount paid as survivors' benefits. The liability for future payments is not funded. The analysis of the accumulated deductions is as follows (in thousands of dollars):

	1971 actual	1972 estimate	1973 estimate
Accumulated deductions, net start of year.....	3,140	3,444	3,753
Current deductions during the year.....	518	526	526
Payments of survivors' benefits.....	-214	-217	-217
Accumulated deductions, net end of year.....	3,444	3,753	4,062

## RESERVE TRAINING

For all necessary expenses for the Coast Guard Reserve, as authorized by law<sup>1</sup>, including repayment to other Coast Guard appropriations for indirect expenses, for regular personnel, or reserve personnel while on active duty, engaged primarily in administration and operation of the reserve program<sup>2</sup>; maintenance and operation of facilities; and supplies, equipment, and services; **[\$25,900,000] \$30,200,000: Provided, That amounts equal to the obligated balances against the appropriations for "Reserve training" for the two preceding years**

shall be transferred to and merged with this appropriation, and such merged appropriation shall be available as one fund, except for accounting purposes of the Coast Guard, for the payment of obligations properly incurred against such prior year appropriations and against this appropriation. (14 U.S.C.; 10 U.S.C. Subtitle A; 37 U.S.C.; Department of Transportation and Related Agencies Appropriation Act, 1972; additional authorizing legislation to be proposed for \$23,529,000.)

## Program and Financing (in thousands of dollars)

Identification code	21-15-0242-0-1-502	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>				
1.	Initial training.....	365	3,256	6,010
2.	Continuing training.....	12,297	11,588	11,649
3.	Operation and maintenance of training facilities.....	9,215	8,322	8,376
4.	Administration.....	3,430	4,148	4,165
	Total program costs.....	25,307	27,314	30,200
	Change in selected resources <sup>1</sup> .....	-299	-----	-----
10	Total obligations.....	25,007	27,314	30,200
<b>Financing:</b>				
25	Unobligated balance lapsing.....	893	-----	-----
	Budget authority.....	25,900	27,314	30,200
Budget authority:				
40	Appropriation.....	25,900	25,900	30,200
44.30	Proposed supplemental for military pay act increases.....	-----	1,414	-----
Relation of obligations to outlays:				
71	Obligations incurred, net.....	25,007	27,314	30,200
72	Obligated balance, start of year.....	1,466	1,448	1,512
74	Obligated balance, end of year.....	-1,448	-1,512	-2,712
77	Adjustments in expired accounts.....	46	-----	-----
90	Outlays, excluding pay increase supplemental.....	25,071	25,836	29,000
91.30	Outlays from military pay act supplemental.....	-----	1,414	-----

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$312 thousand (1971 adjustments, \$46 thousand); 1971, \$58 thousand; 1972, \$58 thousand; 1973, \$58 thousand.

The Coast Guard Reserve training program's objective is to provide qualified individuals and trained units to be available for active duty in time of war or national emergency. The Reserve program consists of four activities which are coordinated to meet its objectives. Costs are distributed to these activities as follows:

1. *Initial training.*—Direct costs associated with officer trainees performing 1 year's initial training duty and enlisted trainees performing 5 months' or 5 to 11 months' initial training duty are programed under this activity. The officer trainees receive 4 months of officer candidate school and 8 months' duty in an operating unit. The 5-month element includes enlisted trainees who do not attend class A school but receive 3 months' postrecruit training at various operating units. The 5-to-11-month element includes trainees who will attend class A school and whose period of initial training duty is governed by the length of the class A school plus recruit training.

2. *Continuing training.*—Direct costs of officer and enlisted trainees for drill 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.

## General and special funds—Continued

## RESERVE TRAINING—Continued

Included are the costs of two training vessels, the prorated share of the cost of joint usage of Coast Guard and other Armed Forces facilities, the cost of providing station-keeper support to the organized Reserve training units, and the procurement of training aids and facilities (under \$50 thousand).

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

## MAN-DAYS OF TRAINING

	1970 actual	1971 actual	1972 estimate	1973 estimate
1. Initial training: Active duty and or active duty for training.....	377,401	15,662	250,364	384,587
2. Continuing training:				
Selected Reserve (with pay):				
Active duty for training.....	184,516	171,849	135,038	129,972
48 drills.....	659,678	577,099	496,695	462,541
Other Ready Reserve (without pay):				
Drill training.....	19,353	20,231	19,800	23,640
Active duty for training.....	3,162	2,825	840	1,830

## Object Classification (in thousands of dollars)

Identification code 21-15-0242-0-1-502	1971 actual	1972 est.	1973 est.
Personnel compensation:			
11.1 Permanent positions.....	1,122	1,059	1,018
11.3 Positions other than permanent.....	61	62	62
11.5 Other personnel compensation.....	4	4	4
11.7 Military personnel.....	18,128	19,942	22,118
Total personnel compensation.....	19,315	21,067	23,202
Personnel benefits:			
12.1 Civilian.....	100	95	92
12.2 Military personnel.....	1,135	1,345	1,411
21.0 Travel and transportation of persons.....	1,116	1,137	1,268
22.0 Transportation of things.....	117	122	116
23.0 Rent, communications, and utilities.....	254	254	291
24.0 Printing and reproduction.....	46	48	47
25.0 Other services.....	1,315	1,322	1,533
26.0 Supplies and materials.....	1,269	1,281	1,467
31.0 Equipment.....	619	624	660
32.0 Lands and structures.....	-----	-----	94
42.0 Insurance claims and indemnities.....	21	19	19
Total costs, funded.....	25,307	27,314	30,200
94.0 Change in selected resources.....	-299	-----	-----
99.0 Total obligations.....	25,007	27,314	30,200

## Personnel Summary

Military:			
Total number of permanent positions.....	977	892	892
Average number.....	977	926	892
Civilian:			
Total number of permanent positions.....	168	147	147
Full-time equivalent of other positions.....	10	10	10
Average paid employment.....	160	144	147
Average GS grade.....	7.1	7.1	7.1
Average GS salary.....	\$10,436	\$10,520	\$10,520
Average salary of ungraded positions.....	\$8,717	\$9,379	\$9,379

## RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

For necessary expenses, not otherwise provided for, for basic and applied scientific research, development, test, and evaluation; [services as authorized by 5 U.S.C. 3109;] maintenance, rehabilitation, lease, and operation of facilities and equipment, as authorized by law; [\$14,500,000] \$18,100,000, to remain available until expended. (14 U.S.C.: Department of Transportation and Related Agencies Appropriation Act, 1972; additional authorizing legislation to be proposed for \$1,348,000.)

## Program and Financing (in thousands of dollars)

Identification code 21-15-0243-0-1-502	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Direct program:			
1. Search and rescue.....	1,265	1,568	2,178
2. Aids to navigation.....	798	1,308	1,890
3. Marine safety.....	770	1,660	2,500
4. Marine environmental protection.....	2,452	8,064	9,402
5. Ocean operations.....	3,795	1,015	693
6. Program support.....	1,727	1,772	1,937
Total direct program costs, funded.....	10,807	15,387	18,600
Change in selected resources <sup>1</sup> .....	-1,482	1,863	-500
Total direct obligations.....	9,325	17,250	18,100
Reimbursable program:			
1. Search and rescue.....	-----	156	-----
5. Ocean operations.....	35	-----	-----
Total reimbursable program costs, funded.....	35	156	-----
Change in selected resources <sup>1</sup> .....	54	-54	-----
Total reimbursable obligations.....	88	102	-----
10 Total obligations.....	9,414	17,352	18,100
<b>Financing:</b>			
11 Receipts and reimbursements from:			
Federal funds.....	-70	-100	-----
21 Unobligated balance available, start of year.....	-4,588	-3,595	-845
23 Unobligated balance transferred to other accounts.....	1,149	-----	-----
24 Unobligated balance available, end of year.....	3,595	845	845
Budget authority.....	9,500	14,500	18,100
Budget authority:			
40 Appropriation.....	22,500	14,500	18,100
41 Transferred to other accounts.....	-13,000	-----	-----
43 Appropriation (adjusted).....	9,500	14,500	18,100
Relation of obligations to outlays:			
71 Obligations incurred, net.....	9,344	17,252	18,100
72 Obligated balance, start of year.....	6,446	4,779	5,635
74 Obligated balance, end of year.....	-4,779	-5,635	-6,135
90 Outlays.....	11,011	16,396	17,600

<sup>1</sup> Selected resources and unobligated balances as of June 30 are as follows:

Direct program:				
Selected resources:	1970	1971	1972	1973
Unpaid undelivered orders.....	5,166	3,660	5,633	6,133
Advances.....	86	110	-----	-----
Total selected resources.....	5,252	3,770	5,633	6,133
Unobligated balance.....	4,568	3,594	845	845
Total selected resources and unobligated balance.....	9,820	7,364	6,478	6,978
Reimbursable program:				
Selected resources: Undelivered orders.....	-----	54	-----	-----
Unobligated balance.....	20	2	-----	-----
Total selected resources and unobligated balance.....	20	55	-----	-----

Note.—Excludes \$13,000 thousand in 1971 for activities transferred to Research, Development and Facilities, National Oceanic and Atmospheric Administration.

This appropriation provides for the management and conduct of research, development, test, and evaluation, including the necessary support requirements, facilities, services, and personnel.

1. *Search and rescue.*—The 1973 program continues efforts designed to increase effectiveness of methods to detect, locate, and rescue persons in distress. Major projects include continued development and testing of a pro-

tototype distress alerting and location system, final flight testing of a prototype improved search radar, preliminary design and model testing of a high performance surface craft and initiation of the development of a prototype SAR helicopter sensor system.

The SAR program area also covers activities which support the Coast Guard's responsibility for maritime commerce in ice-covered waters including those directed toward extending the winter shipping season on the Great Lakes-St. Lawrence Seaway. The 1973 efforts follow prior years' work for tests and evaluation of alternative ice-cutting and ice-handling techniques. This 1973 work will also include ice research to identify ice effects on ship design and transit, and continued work to develop navigation aids for ice-covered waters.

2. *Aids to navigation.*—The 1973 activities are a continuation of a multiyear program designed to reduce the operation and maintenance costs and to increase the effectiveness of our buoyage system; and to provide a precision navigation system for use in harbors and confined waterways.

Development of a lightweight buoyage system will continue in 1973. Emphasis will be on instrumented tests of a number of exposed water buoys of various shapes and materials, tests of various buoy mooring concepts, and development of a fast water buoy for use in the rivers. Work will be continued and expanded to develop new pollution free power supplies and improved lighting components for the total aids to navigation system.

3. *Marine safety.*—Activities in this program area support both recreational and commercial vessels.

The 1973 R. & D. efforts in support of recreational boating will concentrate in the following areas: Development of design guidelines and test procedures to support the safety standards such as those relating to powering, fuel systems, and electrical and ventilation systems; testing of selected recreational boats and equipment.

The major work in support of commercial vessel safety during 1973 will include fire safety tests of cargo and pump room extinguishment systems, hazardous materials research on shipboard ventilation systems, chlorine vapor dispersion models, and research and development efforts aimed at providing knowledge in support of regulation and standards affecting ship design and operations.

4. *Maritime environmental protection.*—A major endeavor in 1973 will be aimed at the elimination of pollution casual incidents. This R. & D. effort will provide the basic knowledge and prototype components for marine traffic systems for congested ports and waterways.

In 1973 improvements in the performance of the lightweight oil containment system will be carried out as well as initiation of the design and development of a heavy duty containment system. Two prototype high seas oil recovery systems will be completed in 1973, and a prototype oil-water separator system will be designed, constructed, and tested. Development, modification, and testing of a prototype airborne oil surveillance and detection system will continue. Work will also continue on development and testing of alternative chemical and biological techniques for oil spill cleanup and amelioration.

Installation of a prototype marine traffic system will be completed in mid-1973 with the balance of the year devoted to initial test and evaluation. Work will also be started on large screen displays, improved vessel detection identification techniques, and the use of shore to vessel data links.

The second phase of the development of a precision navigation system will be initiated in 1973. This includes tests of subsystem components to resolve technical uncertainties, such as propagation vagaries, special antenna tests, and system control. Environmental pollution research will include continued work to develop a better understanding of the fate, behavior, and dispersion of pollutants (particularly oil) in the marine environment. These efforts will include trends of oil pollution on selected beaches and in major ports, ocean sampling for oil pollution levels and trends, and identifying parameters which may be measured as a part of a monitoring system.

Sewage and air pollution abatement efforts in 1973 will include at sea testing of newly developed 50-man and 10- to 20-man sewage treatment plants, further research and development of a 1- to 10-man sewage device, and development of shipboard air pollution and monitoring devices. Hazardous materials research and development in support of our port security functions will continue at an accelerated rate.

5. *Ocean operations.*—This program includes ongoing research in support of International Ice Patrol, as well as efforts to develop improved techniques and equipment for determining ice conditions and efforts as they relate to ship design and transit of ice-covered waters.

6. *Program support.*—Program support includes administrative and general support personnel at headquarters and all personnel at laboratory facilities.

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

Identification code 21-15-0243-0-1-502	1971 actual	1972 est.	1973 est.
Direct obligations:			
Personnel compensation:			
11.1 Permanent positions.....	470	684	1,184
11.3 Positions other than permanent.....	40	41	41
11.5 Other civilian personnel compensation.....	1	1	1
11.7 Military personnel.....	822	919	1,051
Total personnel compensation.....	1,333	1,645	2,277
Personnel benefits:			
12.1 Civilian.....	37	62	104
12.2 Military personnel.....	200	235	297
21.0 Travel and transportation of persons.....	239	285	460
22.0 Transportation of things.....	—1	5	50
23.0 Rent, communications, and utilities.....	19	25	40
24.0 Printing and reproduction.....	6	10	10
25.0 Other services.....	8,041	11,883	13,222
26.0 Supplies and materials.....	190	260	420
31.0 Equipment.....	717	967	1,560
32.0 Lands and structures.....	26	10	160
Total direct costs.....	10,807	15,387	18,600
94.0 Change in selected resources.....	—1,482	1,863	—500
Total direct obligations.....	9,325	17,250	18,100
Reimbursable obligations:			
25.0 Other services (costs).....	35	156	-----
94.0 Change in selected resources.....	54	—54	-----
Total reimbursable obligations.....	88	102	-----
99.0 Total obligations.....	9,414	17,352	18,100

#### Personnel Summary

Military:			
Total number of positions.....	74	90	108
Average number.....	74	90	108
Civilian:			
Total number of permanent positions.....	53	71	114
Full-time equivalent of other positions.....	4	4	4
Average paid employment.....	35	59	89
Average GS grade.....	7.1	7.1	7.1
Average GS salary.....	\$10,436	\$10,520	\$10,520
Average salary of ungraded positions.....	\$8,717	\$9,379	\$9,379

## General and special funds—Continued

## 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 (Public Law 92-75), \$7,500,000, to remain available until expended. (14 U.S.C.)

## Program and Financing (in thousands of dollars)

Identification code 21-15-0246-0-1-502	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
10 State boating safety assistance (costs—obligations) (object class 41.0)			7,500
<b>Financing:</b>			
40 Budget authority (appropriation)			7,500
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net			7,500
74 Obligated balance, end of year			-1,000
90 Outlays			6,500

This appropriation provides financial assistance for State boating safety programs as authorized by the Federal Boat Safety Act of 1971 (Public Law 92-75).

The act provides for a coordinated national boating safety program to improve boating safety and to foster greater development, use, and enjoyment of all the waters of the United States by encouraging and assisting participation by the several States, the boating industry, and the boating public in development of more comprehensive boating safety programs; by authorizing the establishment of national construction and performance standards for boats and associated equipment; and by creating more flexible regulatory authority concerning the use of boats and equipment.

The act authorizes appropriations through 1976, to remain available until expended. Further the act prescribes the manner in which funds are to be allocated among the eligible States and also permits allocation of not more than 5 per centum of funds appropriated in any fiscal year for national boating safety activities of one or more national nonprofit public service organizations.

## STATE BOATING SAFETY ASSISTANCE

(Supplemental now requested)

## Program and Financing (in thousands of dollars)

Identification code 21-15-0246-1-1-502	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
10 State boating safety assistance (costs—obligations)		3,000	
<b>Financing:</b>			
40 Budget authority (proposed supplemental appropriation)		3,000	
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net		3,000	
90 Outlays		3,000	

A narrative statement, describing the purpose of this request, and proposed appropriation language are included in Part III of this volume.

## OIL POLLUTION FUND

## Program and Financing (in thousands of dollars)

Identification code 21-15-5168-0-2-502	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Operating costs, funded	283	5,000	5,000
Change in selected resources <sup>1</sup>	5		
10 Total obligations	288	5,000	5,000
<b>Financing:</b>			
21 Unobligated balance available, start of year		-19,759	-19,759
24 Unobligated balance available, end of year	19,759	19,759	19,759
Budget authority	20,048	5,000	5,000
<b>Budget authority:</b>			
Appropriation:			
40 Current (definite)	20,000		
60 Permanent (indefinite)	48	5,000	5,000
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net	288	5,000	5,000
72 Obligated balance, start of year		12	12
74 Obligated balance, end of year	-12	-12	-1,012
90 Outlays	276	5,000	4,000

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$0; 1971, \$5 thousand; 1972, \$5 thousand; 1973, \$5 thousand.

This fund was established under section 11(k) of the Federal Water Pollution Control Act, as amended by Public Law 91-224, to insure 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 will be used when a spill occurs and the responsible vessel owner or facility operator (whether in the public or private sector) is not in a position to accomplish immediate cleanup with his own resources. Expenditures from the fund will later be reimbursed by the responsible owner or operator (whether in the public or private sector). In addition, all fines and civil penalties assessed under sections 11 and 12 of the Federal Water Pollution Control Act, as amended, will be deposited into the fund.

## Object Classification (in thousands of dollars)

Identification code 21-15-5168-0-2-502	1971 actual	1972 est.	1973 est.
21.0 Travel and transportation of persons	29		
25.0 Other services	233	5,000	5,000
26.0 Supplies and materials	21		
Total costs, funded	283	5,000	5,000
94.0 Change in selected resources	5		
99.0 Total obligations	288	5,000	5,000

## Intragovernmental funds:

## COAST GUARD SUPPLY FUND

## Program and Financing (in thousands of dollars)

Identification code 21-15-4535-0-4-502	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Operating costs, funded: Cost of goods sold	30,845	34,238	33,721
Change in selected resources <sup>1</sup>	810	76	143
10 Total obligations (object class 26.0)	31,655	34,314	33,864

<b>Financing:</b>				
Receipts and reimbursements from:				
11 Federal funds:				
Revenue.....	-30,144	-32,876	-32,301	
Change in unfilled customers' orders on hand.....	24	-5	-5	
14 Non-Federal sources (14 U.S.C. 487).....	-1,394	-1,445	-1,445	
21 Unobligated balance available, start of year.....	-895	-754	-766	
24 Unobligated balance available, end of year.....	754	766	653	
<b>Budget authority</b> .....				

Relation of obligations to outlays:				
71 Obligations incurred, net.....	141	-12	113	
72 Obligated balance, start of year.....	1,666	1,896	1,716	
74 Obligated balance, end of year.....	-1,896	-1,716	-1,829	
90 Outlays.....	-89	168		

## Selected resources as of June 30 are as follows:

	1970	1971	1972	1973
Stores.....	9,235	10,125	10,302	10,457
Unpaid undelivered orders.....	1,981	1,901	1,800	1,788
Total selected resources.....	11,216	12,026	12,102	12,245

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

Activity of approximately \$34 million in this fund in 1973 is divided 7% for uniform clothing, 52% for commissary provisions, 28% for general stores and technical materials, and 13% for fuel.

Higher sales in 1972 and 1973 are expected as the result of increases in the number of recruits, establishment of the commissary at Training Center, Petaluma, Calif., and greater use of the supply fund to procure long leadtime and expensive items for "Acquisition, construction, and improvements" and special projects.

## COAST GUARD YARD FUND

## Program and Financing (in thousands of dollars)

Identification code 21-15-4743-0-4-502	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Operating costs, funded:			
Cost of goods sold.....	5,121	3,965	4,600
Other.....	12,555	13,107	14,032
Total operating costs.....	17,675	17,072	18,632
Capital outlay, funded: Purchase of equipment.....	156	170	180
Total program costs, funded.....	17,833	17,242	18,812
Change in selected resources <sup>1</sup> .....	-2,963	-434	200
Adjustment in selected resources (donations in or writeoffs (-), raw materials).....	414	-20	-20
10 Total obligations.....	15,284	16,788	18,992

<b>Financing:</b>				
Receipts and reimbursements from:				
11 Federal funds:				
Sale of goods and services.....	-17,924	-17,077	-18,730	
Change in unfilled customers' orders on hand.....	2,700	2,383	-500	
14 Non-Federal sources:				
Sale of scrap and excess material (14 U.S.C. 648).....	-82	-67	-75	
Proceeds from sale of equipment (40 U.S.C. 481(c)).....	-9	-8	-10	
21 Unobligated balance available, start of year.....	-3,097	-3,128	-1,108	
24 Unobligated balance available, end of year.....	3,128	1,108	1,431	
<b>Budget authority</b> .....				

Relation of obligations to outlays:				
71 Obligations incurred, net.....	-31	2,019	-323	
72 Obligated balance, start of year.....	3,726	2,752	1,998	
74 Obligated balance, end of year.....	-2,752	-1,998	-2,675	
90 Outlays.....	943	2,773	-1,000	

## Selected resources as of June 30 are as follows:

	1970	1971	1972	1973
Commodities for sale.....	3,490	2,874	2,506	2,606
Unpaid undelivered orders.....	3,413	1,066	1,000	1,100
Total selected resources.....	6,903	3,940	3,506	3,706

This fund finances industrial operations 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]			
	1970 actual	1971 actual	1972 estimate	1973 estimate
Vessel repairs and alterations.....	38	48	63	65
Vessel construction.....	32	19	5	
Small boat repairs and construction.....	11	10	11	13
Buoy fabrication.....	6	3	6	6
Fabrication of special items.....	10	10	5	6
Miscellaneous.....	3	10	10	10
Total.....	100	100	100	100

## ANALYSIS BY RECIPIENT OF YARD SERVICES

	[Percent]			
	1970 actual	1971 actual	1972 estimate	1973 estimate
Coast Guard.....	93	98	98	98
Other Government agencies.....	7	2	2	2
Total.....	100	100	100	100

## Object Classification (in thousands of dollars)

Identification code 21-15-4743-0-4-502	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	9,103	9,154	10,451
11.3 Positions other than permanent.....	42	62	62
11.5 Other civilian personnel compensation.....	930	624	624
11.7 Military personnel.....	223	245	248
Total personnel compensation.....	10,299	10,085	11,385
<b>Personnel benefits:</b>			
12.1 Civilian.....	808	870	980
12.2 Military personnel.....	55	68	69
13.0 Benefits for former personnel.....	3	3	3
21.0 Travel and transportation of persons.....	13	13	15
22.0 Transportation of things.....	189	185	190
23.0 Rent, communications, and utilities.....	453	453	460
24.0 Printing and reproduction.....	6	6	6
25.0 Other services.....	406	386	390
26.0 Supplies and materials.....	5,446	5,003	5,134
31.0 Equipment.....	158	170	180
Total costs, funded.....	17,833	17,242	18,812
94.0 Change in selected resources.....	-2,963	-434	200
Adjustment in selected resources.....	414	-20	-20
99.0 Total obligations.....	15,284	16,788	18,992

## Personnel Summary

<b>Military:</b>			
Total number of positions.....	30	30	30
Average number.....	28	30	30
<b>Civilian:</b>			
Total number of permanent positions.....	1,138	1,118	1,118
Full-time equivalent of other positions.....	6	8	8
Average paid employment.....	988	935	1,052
Average GS grade.....	7.1	7.1	7.1
Average GS salary.....	\$10,436	\$10,520	\$10,520
Average salary of ungraded positions.....	\$8,717	\$9,379	\$9,379

**Trust Funds****COAST GUARD GENERAL GIFT FUND (TRUST ACCOUNT)****Program and Financing (in thousands of dollars)**

Identification code 21-15-8533-0-7-502	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Training and morale (program costs, funded).....	22	42	40
Change in selected resources <sup>1</sup> .....	6	-5	-----
<b>10 Total obligations.....</b>	<b>27</b>	<b>37</b>	<b>40</b>
<b>Financing:</b>			
21 Unobligated balance available, start of year:			
Treasury balance.....	-16	-9	-10
U.S. securities (par).....	-10	-10	-10
24 Unobligated balance available, end of year:			
Treasury balance.....	9	10	10
U.S. securities (par).....	10	10	10
<b>60 Budget authority (appropriation) (permanent) (indefinite).....</b>	<b>20</b>	<b>38</b>	<b>40</b>
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	27	37	40
72 Obligated balance, start of year.....	5	9	16
74 Obligated balance, end of year.....	-9	-16	-26
<b>90 Outlays.....</b>	<b>24</b>	<b>30</b>	<b>30</b>

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$3 thousand; 1971, \$9 thousand; 1972, \$4 thousand; 1973, \$4 thousand.

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 21-15-8533-0-7-502	1971 actual	1972 est.	1973 est.
25.0 Other services.....	17	33	32
26.0 Supplies and materials.....	5	9	8
<b>Total costs, funded.....</b>	<b>22</b>	<b>42</b>	<b>40</b>
Change in selected resources.....	6	-5	-----
<b>99.0 Total obligations.....</b>	<b>27</b>	<b>37</b>	<b>40</b>

**COAST GUARD SURCHARGE COLLECTIONS, SALES OF COMMISSARY STORES (TRUST REVOLVING FUND)****Program and Financing (in thousands of dollars)**

Identification code 21-15-8420-0-8-502	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
10 Operation and maintenance (costs—obligations).....	37	56	63
<b>Financing:</b>			
14 Receipts and reimbursements from: Non-Federal sources (14 U.S.C. 487).....	-38	-56	-63
21 Unobligated balance available, start of year.....	-18	-19	-19
24 Unobligated balance available, end of year.....	19	19	19
<b>Budget authority.....</b>	<b>-----</b>	<b>-----</b>	<b>-----</b>
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	-1	-----	-----
72 Obligated balance, start of year.....	1	1	1
74 Obligated balance, end of year.....	-1	-1	-1
<b>90 Outlays.....</b>	<b>-1</b>	<b>-----</b>	<b>-----</b>

This trust revolving 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., and Coast Guard Training Center, Petaluma, Calif. 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 21-15-8420-0-8-502	1971 actual	1972 est.	1973 est.
23.0 Rent, communications, and utilities.....	8	12	13
25.0 Other services.....	4	6	6
26.0 Supplies and materials.....	20	29	34
31.0 Equipment.....	5	9	10
<b>99.0 Total obligations.....</b>	<b>37</b>	<b>56</b>	<b>63</b>

**COAST GUARD CADET FUND (TRUST REVOLVING FUND)****Program and Financing (in thousands of dollars)**

Identification code 21-15-8428-0-8-502	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Operating costs, funded.....	2,762	2,914	3,022
2. Capital outlays—Purchase of non-Federal securities.....	31	-----	-----
<b>10 Total program costs, funded—obligations.....</b>	<b>2,793</b>	<b>2,914</b>	<b>3,022</b>
<b>Financing:</b>			
<b>Receipts and reimbursements from:</b>			
11 Federal funds.....	-2,472	-2,600	-2,700
14 Non-Federal sources.....	-281	-315	-329
21 Unobligated balance available, start of year:			
Treasury balance.....	-244	-202	-203
U.S. securities (par).....	-24	-26	-26
24 Unobligated balance available, end of year:			
Treasury balance.....	202	203	210
U.S. securities (par).....	26	26	26
<b>Budget authority.....</b>	<b>-----</b>	<b>-----</b>	<b>-----</b>
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	40	-1	-7
72 Obligated balance, start of year.....	-----	50	52
Receivables in excess of obligations, start of year.....	-42	-----	-----
74 Obligated balance, end of year.....	-50	-52	-50
<b>90 Outlays.....</b>	<b>-52</b>	<b>-3</b>	<b>-5</b>

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.

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

Identification code 21-15-8428-0-8-502	1971 actual	1972 est.	1973 est.
21.0 Travel and transportation of persons.....	30	35	36
24.0 Printing and reproduction.....	3	3	3
25.0 Other services.....	1,481	1,562	1,620
26.0 Supplies and materials.....	1,248	1,314	1,363
33.0 Investments and loans.....	31	-----	-----
<b>99.0 Total obligations.....</b>	<b>2,793</b>	<b>2,914</b>	<b>3,022</b>

**FEDERAL AVIATION ADMINISTRATION**

Public Law 92-174 amended the Airport and Airway Development Act of 1970 to delete authority contained in the act to finance operations and maintenance expenses for the airways system from the Airport and airway trust fund. The 1973 appropriation request provides for funding these expenses, as well as expenses funded in 1972 from the Safety regulation appropriation under the new account "Operations."

The following table briefly depicts the source of funding for all Federal Aviation Administration programs for which more detail is furnished in the ensuing budget schedules.

	[Dollars in millions]		
Budget authority:	1971	1972	1973
Operations.....	1,026	989	1,127
Trust fund portion.....	(34)	(989)	
Facilities and equipment.....	238	302	250
Trust fund portion.....	(48)	(302)	(250)
Engineering and development.....	49	78	74
Trust fund portion.....	(24)	(63)	(74)
Grants-in-aid for airports.....	10	15	15
Trust fund portion.....	(10)	(15)	(15)
Civil supersonic aircraft.....	255	59	
Federal payment to the airport and airway trust fund (intragovernmental payment).....		(647)	(4)
Safety regulation.....	1	160	
National Capital Airports.....	15	17	16
U.S. International Aeronautical Exposition.....	3	2	
<b>Total, net.....</b>	<b>1,617</b>	<b>1,622</b>	<b>1,482</b>
Outlays:			
Operations.....	990	957	1,087
Trust fund portion.....	(78)	(957)	(100)
Facilities and equipment.....	158	232	239
Trust fund portion.....	(122)	(232)	(239)
Engineering and development.....	56	65	60
Trust fund portion.....	(26)	(56)	(56)
Grants-in-aid for airports.....	61	131	200
Trust fund portion.....	(61)	(131)	(200)
Civil supersonic aircraft.....	271	133	14
Federal payment to the airport and airway trust fund (intragovernmental payment).....		(647)	(4)
Safety regulation.....		139	17
National Capital Airports.....	13	22	18
U.S. International Aeronautical Exposition.....		4	1
Aviation war risk insurance revolving fund.....	-3	-2	-2
<b>Total, net.....</b>	<b>1,546</b>	<b>1,681</b>	<b>1,634</b>

**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 four passenger motor vehicles for replacement only; and purchase and repair of skis and snowshoes; \$1,106,311,000; and 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, \$20,930,000, 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 in the maintenance and operation of air navigation facilities.

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

Identification code 21-20-1301-0-1-501	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
<b>1. Operations:</b>			
(a) Operation of traffic control system.....	482,787	-----	517,495
(b) Installation and materiel services.....	107,950	-----	124,263
(c) Maintenance of traffic control system.....	235,612	-----	268,001
(d) Administration of flight standards program.....	126,348	-----	157,370
(e) Administration of medical programs.....	6,897	-----	7,363
(f) Development direction.....	12,960	-----	12,562
(g) Administration of airports program.....	17,437	-----	19,257
2. Facilities and equipment.....	-----	-----	3,100
3. Engineering and development.....	-----	-----	17,830
<b>10 Total obligations.....</b>	<b>989,991</b>	-----	<b>1,127,241</b>
<b>Financing:</b>			
25 Unobligated balance lapsing.....	2,071	-----	-----
<b>Budget authority.....</b>	<b>992,062</b>	-----	<b>1,127,241</b>
<b>Budget authority:</b>			
40 Appropriation.....	992,129	-----	1,127,241
41 Transferred to other accounts.....	-67	-----	-----
<b>43 Appropriation (adjusted).....</b>	<b>992,062</b>	-----	<b>1,127,241</b>
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	989,991	-----	1,127,241
72 Obligated balance, start of year.....	61,825	77,625	-----
74 Obligated balance, end of year.....	-77,625	-----	-140,253
<b>90 Outlays.....</b>	<b>974,191</b>	<b>77,625</b>	<b>986,988</b>
Payment of obligated balance to trust funds.....	(61,825)	(77,625)	-----

**1. Operations.—(a) Operation of traffic control system.**—This activity covers the operation on a 24-hour basis of a national system of air traffic management in the United States and its possessions. With the aid of radar, communications, and other facilities, traffic management personnel at 27 centers monitor and control en route flights of all aircraft conducted under instrument conditions to assure safety and to expedite the flow of traffic. Control towers are operated at 346 major civil airports to guide traffic movements on and in the vicinity of the airports. Some 342 domestic and international flight service stations transmit weather and other information to pilots and relay traffic control data between ground controllers and pilots. Major increases in 1973 will provide for increased employment in the controller work force to handle workload growth and to operate newly commissioned air traffic control facilities.

**TRENDS IN VOLUME OF AIR TRAFFIC**

Fiscal year	Landings and takeoffs at airports with FAA towers (in millions)	Instrument operations at airports with FAA traffic control service (in millions)	General aviation hours flown (in millions)	Revenue passenger miles (in billions)
1967.....	47.6	12.1	21.6	86.3
1968.....	53.0	14.6	23.1	106.6
1969.....	55.9	16.7	24.7	119.8
1970.....	56.2	17.5	25.7	129.0
1971.....	54.2	17.4	26.5	132.4
1972 estimate.....	58.2	18.9	27.5	140.0
1973 estimate.....	62.9	20.6	28.8	155.3

## General and special funds—Continued

## OPERATIONS—Continued

(b) *Installation and materiel services.*—This activity covers the direction and engineering services related to the establishment and improvement of facilities and equipment in the traffic control system; procurement, contracting and materiel management programs; supply support and leased communications services for the traffic control system; and supply support for agency aircraft except for aircraft related to research and development programs. Major increases in 1973 are to provide supply support and leased communications services for air traffic control and air navigation facilities.

(c) *Maintenance of traffic control system.*—This activity covers the maintenance of a national network of air navigation and traffic control aids in the United States and its possessions. Major increases in 1973 are for the maintenance of new air traffic control and navigation aids planned for commissioning.

(d) *Administration of flight standards program.*—This activity provides for: (a) monitoring the accuracy of signals emitted from the air navigation aids; and (b) the establishment and enforcement of the civil air regulations which are designed to assure the high standards of safety in aviation. Inspections are made and certificates issued for aircraft, airmen, aircraft operators, and air agencies which meet safety or competency requirements. This program also provides for the management, operation and maintenance of agency aircraft used in facility flight inspection, development of flight procedures, and inspector flight training.

(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 development and supervision of a health and medical program for agency personnel; the administration of an aviation medical research program, the project costs of which are financed under Engineering and development; and the operation of the Civil Aeromedical Institute building.

(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 Engineering and development appropriation; and the related administrative support for the operation of the National Aviation Facilities Experimental Center at Atlantic City, N.J.

(g) *Administration of airports program.*—This activity provides for the administration of an airport planning grant program and a development assistance program for the improvement of public airports authorized by the Airport and Airway Development Act of 1970.

2. *Facilities and equipment.*—This activity provides for training simulators to provide flight training to agency personnel and to maintain the proficiency of operations inspectors.

3. *Engineering and development.*—Under this activity there are the following subactivities:

(a) *Aircraft safety.*—This activity covers the development of standards, rules, regulations, and certification for an accident prevention program designed to promote flight safety of civil aircraft by assuring the design, flight performance characteristics, and airworthiness of aircraft.

Development of such antihijacking devices as weapon and explosive detection systems and methods of reducing

risk to life resulting from hijackings are contained in this activity.

Environmental programs are also included in this category. Principal efforts are the development of data to support rulemaking decisions, and development of certification standards and criteria to economically minimize the undesired environmental effects on the public. This effort includes a program to investigate the feasibility of achieving significant engine noise reduction through improved design features.

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

## Object Classification (in thousands of dollars)

Identification code 21-20-1301-0-1-501	1971 actual	1972 est.	1973 est.
<b>FEDERAL AVIATION ADMINISTRATION</b>			
Personnel compensation:			
11.1 Permanent positions.....	690,336	-----	743,650
11.3 Positions other than permanent....	5,323	-----	5,094
11.5 Other personnel compensation.....	45,997	-----	45,784
11.8 Special personal services payments..	539	-----	626
Total personnel compensation.....	742,195	-----	795,154
12.1 Personnel benefits: Civilian.....	71,710	-----	80,451
13.0 Benefits for former personnel.....	14	-----	9
21.0 Travel and transportation of persons..	27,157	-----	30,782
22.0 Transportation of things.....	7,016	-----	7,673
23.0 Rent, communications, and utilities....	31,763	-----	40,071
24.0 Printing and reproduction.....	3,548	-----	4,027
25.0 Other services.....	32,106	-----	79,286
26.0 Supplies and materials.....	33,810	-----	38,699
31.0 Equipment.....	10,697	-----	8,140
32.0 Lands and structures.....	141	-----	124
42.0 Insurance claims and indemnities.....	79	-----	29
Subtotal.....	960,236	-----	1,084,445
95.0 Quarters and subsistence charges.....	-1,254	-----	-1,379
Total obligations, Federal Aviation Administration.....	958,982	-----	1,083,066
<b>ALLOCATION TO DEPARTMENT OF DEFENSE</b>			
23.0 Rent, communications, and utilities....	31,009	-----	44,175
99.0 Total obligations.....	989,991	-----	1,127,241

## Personnel Summary

Total number of permanent positions.....	52,719	-----	51,258
Full-time equivalent of other positions.....	890	-----	833
Average paid employment.....	49,171	-----	48,613
Average GS grade.....	10.8	-----	10.8
Average GS salary.....	\$15,232	-----	\$15,411
Average NM grade.....	10.8	-----	10.9
Average NM salary.....	\$17,440	-----	\$17,813
Average salary of ungraded positions.....	\$9,907	-----	\$10,633

## FACILITIES AND EQUIPMENT

## Program and Financing (in thousands of dollars)

Identification code 21-20-1305-0-1-501	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Air route traffic control centers.....	131,042	-----	-----
2. Payment to trust fund.....	167,011	58,958	-----
10 Total obligations.....	298,053	58,958	-----



<b>Financing:</b>			
21	Unobligated balance available, start of year	—167,011	—58,958
24	Unobligated balance available, end of year	58,958	
<hr/>			
40	<b>Budget authority (appropriation)</b>	<b>190,000</b>	
<hr/>			
<b>Relation of obligations to outlays:</b>			
71	Obligations incurred, net	298,053	58,958
72	Obligated balance, start of year	189,337	94,783
74	Obligated balance, end of year	—94,783	
<hr/>			
90	<b>Outlays</b>	<b>392,607</b>	<b>153,741</b>
	Payment of unobligated balance to trust fund	(167,011)	(58,958)
	Payment of obligated balance to trust fund	(189,337)	(94,783)

This account was phased out in 1971 and the activities authorized under provisions of Public Law 91-258 are shown in the account Facilities and equipment (Airport and airway trust fund) in 1972 and 1973.

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

Identification code 21-20-1305-0-1-501	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1	Permanent positions	2,956	
11.5	Other personnel compensation	229	
<hr/>			
	<b>Total personnel compensation</b>	<b>3,185</b>	
12.1	Personnel benefits: Civilian	116	
21.0	Travel and transportation of persons	348	
22.0	Transportation of things	89	
23.0	Rent, communications, and utilities	93	
24.0	Printing and reproduction	24	
25.0	Other services	8,634	
26.0	Supplies and materials	795	
31.0	Equipment	110,923	
32.0	Lands and structures	6,835	
92.0	Undistributed (payment to trust fund)	167,011	58,958
<hr/>			
99.0	<b>Total obligations</b>	<b>298,053</b>	<b>58,958</b>

**Personnel Summary**

Total number of permanent positions	0		
Full-time equivalent of other positions	0		
Average paid employment	209		
Average GS grade			
Average GS salary			

**RESEARCH AND DEVELOPMENT**

【For expenses, not otherwise provided for, necessary for the completion of technological projects currently being conducted with respect to aircraft and components thereof, in accordance with the provisions of the Federal Aviation Act, \$15,033,000, to remain available until expended.】 (*Supplemental Appropriations Act, 1972.*)

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

Identification code 21-20-1300-0-1-501	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1.	Air traffic control	33,534	
2.	Navigation	6,206	
3.	Aviation weather	637	
4.	Aircraft safety	2,140	
5.	Aviation medicine	2,130	
6.	Systems technology		15,033
7.	Payment to trust fund	39	353
<hr/>			
10	<b>Total obligations</b>	<b>44,686</b>	<b>15,386</b>
<hr/>			
<b>Financing:</b>			
21	Unobligated balance available, start of year	—39	—353
24	Unobligated balance available, end of year	353	
<hr/>			
40	<b>Budget authority (appropriation)</b>	<b>45,000</b>	<b>15,033</b>

<b>Relation of obligations to outlays:</b>			
71	Obligations incurred, net	44,686	15,386
72	Obligated balance, start of year	19,792	14,572
74	Obligated balance, end of year	—14,572	—6,000
<hr/>			
90	<b>Outlays</b>	<b>49,906</b>	<b>23,958</b>
	Payment of unobligated balance to trust fund	(39)	(353)
	Payment of obligated balance to trust fund	(19,792)	(14,572)

This appropriation finances the technology completion program which is defined as the completion of certain projects which represent significant advancements in aircraft technology and which will benefit governmental and private industry groups.

All of the effort involves testing, analyses, test results, and documentation. More specifically, activities include titanium metallurgy, flutter phenomena studies, improved instrumentation and control development, new concepts of generating electrical power, and various noise reduction techniques studies.

All funds are planned as a 1972 effort and no personnel costs are involved.

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

Identification code 21-20-1300-0-1-501	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1	Permanent positions	19,015	
11.3	Positions other than permanent	986	
11.5	Other personnel compensation	299	
11.8	Special personal services payments	151	
<hr/>			
	<b>Total personnel compensation</b>	<b>20,451</b>	
12.1	Personnel benefits: Civilian	1,706	
21.0	Travel and transportation of persons	849	
22.0	Transportation of things	92	
23.0	Rent, communications, and utilities	429	
24.0	Printing and reproduction	59	
25.0	Other services	16,403	15,033
26.0	Supplies and materials	1,675	
31.0	Equipment	2,683	
32.0	Lands and structures	192	
41.0	Grants, subsidies, and contributions	107	
42.0	Insurance claims and indemnities	1	
92.0	Undistributed (payment to trust fund)	39	353
<hr/>			
99.0	<b>Total obligations</b>	<b>44,686</b>	<b>15,386</b>

**Personnel Summary**

Total number of permanent positions	1,400		
Full-time equivalent of other positions	220		
Average paid employment	1,451		
Average GS grade	10.8		
Average GS salary	\$16,530		
Average salary of ungraded positions	\$10,034		

**CIVIL SUPERSONIC AIRCRAFT DEVELOPMENT**

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

Identification code 21-20-1358-0-1-501	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
10	Civil supersonic aircraft research and development (costs—obligations)	178,119	2,900
<hr/>			
<b>Financing:</b>			
21	Unobligated balance available, start of year	—23,519	—2,900
24	Unobligated balance available, end of year	2,900	
<hr/>			
40	<b>Budget authority (appropriation)</b>	<b>157,500</b>	

## General and special funds—Continued

## CIVIL SUPERSONIC AIRCRAFT DEVELOPMENT—Continued

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

Identification code 21-20-1358-0-1-501	1971 actual	1972 est.	1973 est.
Relation of obligations to outlays:			
71 Obligations incurred, net.....	178,119	2,900	-----
72 Obligated balance, start of year.....	88,865	73,904	14,972
74 Obligated balance, end of year.....	-73,904	-14,972	-6,972
90 Outlays.....	193,080	61,832	8,000

## Object Classification (in thousands of dollars)

Personnel compensation:			
11.1 Permanent positions.....	1,514	-----	-----
11.3 Positions other than permanent.....	10	-----	-----
11.5 Other personnel compensation.....	6	-----	-----
11.8 Special personal services payments.....	58	-----	-----
Total personnel compensation.....	1,588	-----	-----
12.1 Personnel benefits: Civilian.....	124	-----	-----
21.0 Travel and transportation of persons.....	93	-----	-----
22.0 Transportation of things.....	1	-----	-----
23.0 Rent, communications, and utilities.....	11	-----	-----
24.0 Printing and reproduction.....	13	-----	-----
25.0 Other services.....	176,283	2,900	-----
26.0 Supplies and materials.....	6	-----	-----
99.0 Total obligations.....	178,119	2,900	-----

## Personnel Summary

Total number of permanent positions.....	80	-----	-----
Full-time equivalent of other positions.....	1	-----	-----
Average paid employment.....	69	-----	-----
Average GS grade.....	10.8	-----	-----
Average GS salary.....	\$16,530	-----	-----

## CIVIL SUPERSONIC AIRCRAFT DEVELOPMENT TERMINATION

For payment of the airlines contribution toward the development of the Civil Supersonic Aircraft, \$58,500,000, to remain available until expended. (Department of Transportation and Related Agencies Appropriation Act, 1972.)

## Program and Financing (in thousands of dollars)

Identification code 21-20-0106-0-1-501	1971 actual	1972 est.	1973 est.
Program by activities:			
10 Civil supersonic aircraft development (costs—obligations).....	85,868	65,426	4,506
Financing:			
21 Unobligated balance available, start of year.....	-----	-11,432	-4,506
24 Unobligated balance available, end of year.....	11,432	4,506	-----
40 Budget authority (appropriation).....	97,300	58,500	-----
Relation of obligations to outlays:			
71 Obligations incurred, net.....	85,868	65,426	4,506
72 Obligated balance, start of year.....	-----	8,253	2,679
74 Obligated balance, end of year.....	-8,253	-2,679	-1,185
90 Outlays.....	77,615	71,000	6,000

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

## Object Classification (in thousands of dollars)

Identification code 21-20-0106-0-1-501	1971 actual	1972 est.	1973 est.
Personnel compensation:			
11.1 Permanent positions.....	416	1,292	373
11.3 Positions other than permanent.....	5	-----	-----
11.5 Other personnel compensation.....	-----	2	-----
11.8 Special personal services payments.....	15	48	49
Total personnel compensation.....	436	1,342	422
12.1 Personnel benefits: Civilian.....	33	138	45
21.0 Travel and transportation of persons.....	12	262	81
23.0 Rent, communications, and utilities.....	1	10	4
24.0 Printing and reproduction.....	-----	3	1
25.0 Other services.....	85,386	63,664	3,950
26.0 Supplies and materials.....	-----	7	3
99.0 Total obligations.....	85,868	65,426	4,506

## Personnel Summary

Total number of permanent positions.....	117	34	34
Average paid employment.....	19	56	17
Average GS grade.....	12.5	12.2	12.2
Average GS salary.....	\$19,922	\$20,837	\$21,163

## GRANTS-IN-AID FOR AIRPORTS

## Program and Financing (in thousands of dollars)

Identification code 21-20-9998-0-1-501	1971 actual	1972 est.	1973 est.
Program by activities:			
10 Payment to trust fund (obligations) (object class 92.0).....	51,095	-----	-----
Financing:			
21 Unobligated balance available, start of year.....	-51,095	-----	-----
Budget authority.....	-----	-----	-----
Relation of obligations to outlays:			
71 Obligations incurred, net.....	51,095	-----	-----
72 Obligated balance, start of year.....	132,077	-----	-----
90 Outlays.....	183,172	-----	-----
Payment of unobligated balance to trust fund.....	(51,095)	-----	-----
Payment of obligated balance to trust fund.....	(132,077)	-----	-----

This account was phased out in 1970 and merged into grants-in-aid for airports (Airport and airway trust fund) in 1971 in accordance with the provisions of Public Law 91-258.

## FEDERAL PAYMENT TO THE AIRPORT AND AIRWAY TRUST FUND

For payment to the Airport and Airway Trust Fund as provided by section 208(d) of Public Law 91-258, [\$580,744,000] \$4,078,000: Provided, That the unappropriated balance in the Trust Fund as of July 1, 1972, shall be available solely to liquidate obligations incurred subsequent to June 30, 1972, under sections 14(a)(1) and 14(a)(2) of Public Law 91-258. (Airport and Airway Development Act of 1970, 49 U.S.C. 1701; Department of Transportation and Related Agencies Appropriation Act, 1972, 85 Stat. 201.)

## Program and Financing (in thousands of dollars)

Identification code 21-20-1306-0-1-501	1971 actual	1972 est.	1973 est.
Program by activities:			
10 Payment to airport and airway trust fund (costs—obligations) (object class 25.0).....	-----	580,744	4,078

<b>Financing:</b>			
40	Budget authority (appropriation).....	580,744	4,078
<b>Relation of obligations to outlays:</b>			
71	Obligations incurred, net.....	580,744	4,078
90	Outlays.....	580,744	4,078

This account provides for a payment to the Airport and airway trust fund equal to the difference between tax revenues estimated to be collected by the Treasury under the Airport and Airway Revenue Act of 1970 (title II of Public Law 91-258), and appropriations to the operating accounts under the Airport and airway trust fund.

## FEDERAL PAYMENT TO THE AIRPORT AND AIRWAY TRUST FUND

(Supplemental now requested)

## Program and Financing (in thousands of dollars)

Identification code 21-20-1306-1-1-501	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
10	Payment to Airport and airway trust fund (costs—obligations).....	66,138	-----
<b>Financing:</b>			
40	Budget authority (proposed supplemental appropriation).....	66,138	-----
<b>Relation of obligations to outlays:</b>			
71	Obligations incurred, net.....	66,138	-----
90	Outlays.....	66,138	-----

A narrative statement, describing the purpose of this request, and proposed appropriation language are included in Part III of this volume.

## SAFETY REGULATION

For necessary expenses of the Federal Aviation Administration for safety regulation activities, including arms and ammunition, operation and maintenance (including administrative expenses for research and development), acquisition and modernization of facilities and equipment, and research, development, 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, \$160,000,000 to remain available until expended, of which \$4,500,000 shall be available only for research and development for noise abatement and pollution control: *Provided*, That the obligated balance of amounts appropriated for safety regulation activities, under appropriations for "Operations" and the unexpended balance of amounts appropriated for "Research and development," for the prior fiscal year, shall be transferred to this appropriation. (Federal Aviation Act of 1958, 49 U.S.C. 1301; Airport and Airway Development Act of 1970, 49 U.S.C. 1701; Department of Transportation and Related Agencies Appropriation Act, 1972, 85 Stat. 201; 51 U.S.C. 718.)

## Program and Financing (in thousands of dollars)

Identification code 21-20-1307-0-1-501	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Operations:			
(a)	Installation and materiel services.....	3,917	-----
(b)	Administration of flight standards program.....	131,288	-----
(c)	Administration of medical programs.....	4,568	-----
(d)	Development direction.....	1,706	-----

2.	Research and development.....	1,000	10,942	4,200
10	Total obligations.....	1,000	152,421	4,200
<b>Financing:</b>				
21	Unobligated balance available, start of year.....	-----	-----	-7,577
24	Unobligated balance available, end of year.....	-----	7,577	3,377
<b>Budget authority.....</b>				
<b>Budget authority:</b>				
40	Appropriation.....	1,000	160,000	-----
41	Transferred to other accounts.....	-----	-2	-----
43	Appropriation (adjusted).....	1,000	159,998	-----
<b>Relation of obligations to outlays:</b>				
71	Obligations incurred, net.....	1,000	152,421	4,200
72	Obligated balance, start of year.....	-----	1,000	14,170
74	Obligated balance, end of year.....	-1,000	-14,170	-1,370
90	Outlays.....	-----	139,251	17,000

This account will be phased out in 1972 and the activities will be shown in the Operations account in 1973.

## Object Classification (in thousands of dollars)

Identification code 21-20-1307-0-1-501	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1	Permanent positions.....	82,638	-----
11.3	Positions other than permanent.....	673	-----
11.5	Other personnel compensation.....	783	-----
11.8	Special personal services payments.....	156	-----
<b>Total personnel compensation.....</b>			
<b>12.1 Personnel benefits: Civilian.....</b>			
<b>13.0 Benefits for former personnel.....</b>			
<b>21.0 Travel and transportation of persons.....</b>			
<b>22.0 Transportation of things.....</b>			
<b>23.0 Rent, communications, and utilities.....</b>			
<b>24.0 Printing and reproduction.....</b>			
<b>25.0 Other services.....</b>			
<b>26.0 Supplies and materials.....</b>			
<b>31.0 Equipment.....</b>			
<b>42.0 Insurance claims and indemnities.....</b>			
<b>Subtotal.....</b>			
<b>95.0 Quarters and subsistence charges.....</b>			
<b>99.0 Total obligations.....</b>			

## Personnel Summary

Total number of permanent positions.....	5,252	-----
Full-time equivalent of other positions.....	116	-----
Average paid employment.....	5,163	-----
Average GS grade.....	10.5	-----
Average GS salary.....	\$16,334	-----
Average salary of ungraded positions.....	\$9,377	-----

## OPERATION AND MAINTENANCE, NATIONAL CAPITAL 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 [eight] two passenger motor vehicles for police type use, [of which seven are] for replacement only; purchase, cleaning, and repair of uniforms; and arms and ammunition; [\$11,467,000] \$11,967,000. (Federal Aviation Act of 1958, 49 U.S.C. 1301 et seq.; 54 Stat. 686 as amended by 61 Stat. 94 and 72 Stat. 731; 64 Stat. 770 as amended by 72 Stat. 731; 54 Stat. 1030, 1039; Department of Transportation and Related Agencies Appropriation Act, 1972, 85 Stat. 201.)

## General and special funds—Continued

## OPERATION AND MAINTENANCE, NATIONAL CAPITAL AIRPORTS—Con.

## Program and Financing (in thousands of dollars)

Identification code 21-20-1332-0-1-501	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Operating costs, funded:			
1. Washington National Airport:			
(a) Terminal area.....	1,904	2,082	2,097
(b) Landing area.....	1,503	1,642	1,653
(c) Hangar area.....	970	1,059	1,067
(d) Operating area.....	243	265	266
(e) Other areas.....	286	312	317
Total.....	4,906	5,360	5,400
2. Dulles International Airport:			
(a) Terminal area.....	1,818	1,851	1,953
(b) Landing area.....	1,588	1,615	1,705
(c) Hangar area.....	90	91	96
(d) Operating area.....	1,909	1,941	2,053
(e) Other areas.....	213	216	229
Total.....	5,618	5,714	6,036
Total operating costs.....	10,524	11,074	11,436
Capital outlay, funded:			
1. Washington National Airport.....	458	276	127
2. Dulles International Airport.....	307	227	171
Total capital outlay.....	765	503	298
Total program costs, funded.....	11,289	11,577	11,734
Change in selected resources: <sup>1</sup>			
1. Washington National Airport.....	-206	75	124
2. Dulles International Airport.....	-63	23	109
Total change in selected re-	-269	98	233
sources.....			
10 Total obligations.....	11,020	11,675	11,967
<b>Financing:</b>			
25 Unobligated balance lapsing.....	80		
Budget authority.....	11,100	11,675	11,967
Budget authority:			
40 Appropriation.....	11,100	11,467	11,967
44.10 Proposed supplemental for wage-		208	
board increases.....			
Relation of obligations to outlays:			
71 Obligations incurred, net.....	11,020	11,675	11,967
72 Obligated balance, start of year.....	1,415	1,260	1,335
74 Obligated balance, end of year.....	-1,260	-1,335	-1,485
77 Adjustments in expired accounts.....	-32		
90 Outlays, excluding pay increase			
supplemental.....	11,143	11,407	11,802
91.10 Outlays from wage-board supple-		193	15
mental.....			

<sup>1</sup> Selected resources as of June 30 are as follows:

	1970 actual	1971 actual	1972 estimate	1973 estimate
Washington National Airport:				
Stores.....	133	147	152	152
Unpaid undelivered orders.....	423	325	366	490
Accrued annual leave.....	-371	-493	-464	-464
Total selected resources.....	185	-21	54	178
Dulles International Airport:				
Stores.....	373	345	375	375
Unpaid undelivered orders.....	408	399	400	509
Accrued annual leave.....	-387	-413	-421	-421
Total selected resources.....	394	331	354	463

This appropriation finances management, operations, maintenance, and capital outlay costs for equipment and facility projects at the federally owned Washington National and Dulles International Airports which serve the National Capital Area.

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

The administration is submitting a proposal for the sale of the National Capital airports. One of the primary goals of the sale is the encouragement of more efficient utilization of the airports within the National Capital area.

The following table reflects increase in activity at the airports:

	1971 actual	1972 estimate	1973 estimate
Washington National Airport:			
Passengers.....	9,922,094	10,085,000	10,659,000
Air operations.....	317,731	321,300	325,300
Air cargo (thousand pounds):			
Express.....	20,547	20,900	21,600
Freight.....	74,309	75,900	78,300
Mail.....	68,953	70,400	72,600
Dulles International Airport:			
Passengers.....	2,115,821	2,244,000	2,396,000
Domestic.....	1,807,368	1,902,000	2,014,000
International.....	308,453	342,000	382,000
Air operations.....	190,183	190,800	185,500
Air cargo (thousand pounds):			
Express.....	1,391	1,400	1,400
Freight.....	38,992	41,000	42,100
Mail.....	29,669	27,800	27,800

## Revenue and expense (in thousands of dollars)

	1971 actual	1972 est.	1973 est.
WASHINGTON NATIONAL AIRPORT			
Area:			
Terminal:			
Total revenues.....	3,090	3,458	3,911
Direct operating costs.....	1,904	2,082	2,097
Total costs (including interest and depreciation).....	2,228	2,438	2,518
Net income.....	862	1,020	1,393
Landing:			
Total revenues.....	3,230	3,340	3,558
Direct operating costs.....	1,503	1,642	1,653
Total costs (including interest and depreciation).....	1,962	2,145	2,221
Net income.....	1,268	1,195	1,337
Hangar:			
Total revenues.....	1,153	1,264	1,351
Direct operating costs.....	970	1,059	1,067
Total costs (including interest and depreciation).....	1,385	1,514	1,570
Net loss (-).....	-232	-250	-219
Operating:			
Total revenues.....	817	832	877
Direct operating costs.....	243	265	266

Total costs (including interest and depreciation).....	332	363	375
Net income.....	485	469	502
Other:			
Total revenues.....	1,870	1,929	2,049
Direct operating costs.....	286	312	317
Total costs (including interest and depreciation).....	425	464	485
Net income.....	1,445	1,465	1,564
Total all areas:			
Total revenues.....	10,160	10,823	11,746
Direct operating costs.....	4,906	5,360	5,400
Total costs (including interest and depreciation).....	6,332	6,924	7,169
Net income <sup>1</sup> .....	3,828	3,899	4,577
DULLES INTERNATIONAL AIRPORT			
Area:			
Terminal:			
Total revenues.....	1,338	1,501	1,644
Direct operating costs.....	1,818	1,851	1,953
Total costs (including interest and depreciation).....	3,536	3,582	3,705
Net loss (—).....	-2,198	-2,081	-2,061
Landing:			
Total revenues.....	1,579	1,650	1,747
Direct operating costs.....	1,588	1,615	1,705
Total costs (including interest and depreciation).....	3,862	3,915	4,062
Net loss (—).....	-2,283	-2,265	-2,315
Hangar:			
Total revenues.....	113	128	141
Direct operating costs.....	90	91	96
Total costs (including interest and depreciation).....	152	153	158
Net loss (—).....	-39	-25	-17
Operating:			
Total revenues.....	1,324	1,485	1,576
Direct operating costs.....	1,909	1,941	2,053
Total costs (including interest and depreciation).....	2,641	2,675	2,750
Net loss (—).....	-1,317	-1,190	-1,174
Other:			
Total revenues.....	674	777	863
Direct operating costs.....	213	216	229
Total costs (including interest and depreciation).....	418	423	439
Net income.....	256	354	424
Total all areas:			
Total revenues.....	5,028	5,541	5,971
Direct operating costs.....	5,618	5,714	6,036
Total costs (including interest and depreciation).....	10,609	10,748	11,114
Net loss (—).....	-5,581	-5,207	-5,143

<sup>1</sup> Fees paid by the air carriers for landing jet aircraft at Washington National Airport are identical to the air carrier landing fees paid at Dulles International Airport. The difference between the jet and lower propeller aircraft landing fees at National is credited to Dulles. This difference which is presently included in Washington National's revenues, increases Dulles' revenues for 1971, 1972, and 1973 by the respective amounts of \$1,032 thousand, \$922 thousand, and \$1,280 thousand.

## Financial Condition (in thousands of dollars)

	1970 actual	1971 actual	1972 est.	1973 est.
<b>Assets:</b>				
Treasury balance.....	8,279	10,538	5,143	3,044
Deposit funds.....	273	258	300	300
Accounts receivable, net.....	1,948	1,778	2,000	2,000
Selected assets: <sup>1</sup> Supplies and materials.....	506	491	527	527
Fixed assets, net: Completed work, net.....	102,766	100,563	106,971	108,594
Work in progress.....	1,003	453	11,753	23,659
Total assets.....	114,775	114,081	126,694	138,124
<b>Liabilities:</b>				
Accrued liabilities.....	1,674	1,806	1,800	1,800
<b>Government equity:</b>				
Unpaid undelivered orders <sup>1</sup> .....	1,272	2,013	3,007	999
Unobligated balance.....	6,420	7,981	1,557	1,557
Invested capital.....	105,409	102,281	120,330	133,768
Total Government equity.....	113,101	112,275	124,894	136,324

<sup>1</sup> The changes in these items are reflected on the program and financing schedule.

## Analysis of Changes in Government Equity (in thousands of dollars)

	1971 actual	1972 est.	1973 est.
<b>Non-interest-bearing capital:</b>			
Start of year.....	97,175	108,289	120,757
Appropriation.....	15,100	16,605	15,567
Total Government equity.....	112,275	124,894	136,324

## Object Classification (in thousands of dollars)

Identification code 21-20-1332-0-1-501	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	7,070	7,127	7,586
11.3 Positions other than permanent.....	44	38	38
11.5 Other personnel compensation.....	565	652	659
Total personnel compensation.....	7,679	7,817	8,283
12.1 Personnel benefits: Civilian.....	634	671	714
21.0 Travel and transportation of persons.....	21	26	27
22.0 Transportation of things.....	2	9	9
23.0 Rent, communications, and utilities.....	905	1,035	1,152
24.0 Printing and reproduction.....	2	6	9
25.0 Other services.....	703	797	581
26.0 Supplies and materials.....	664	796	888
31.0 Equipment.....	335	372	220
32.0 Lands and structures.....	74	146	83
42.0 Insurance claims and indemnities.....	1	-----	1
99.0 Total obligations.....	11,020	11,675	11,967

## Personnel Summary

Total number of permanent positions.....	763	726	726
Full-time equivalent of other positions.....	9	8	8
Average paid employment.....	717	691	725
Average GS grade.....	7.3	7.0	7.0
Average GS salary.....	\$11,471	\$11,168	\$11,292
Average salary of ungraded positions.....	\$9,376	\$10,126	\$10,936

## CONSTRUCTION, NATIONAL CAPITAL AIRPORTS

For necessary expenses for construction at the federally owned civil airports in the vicinity of the District of Columbia, [\$4,930,000] \$3,600,000, to remain available until expended. (*Federal Aviation Act of 1958, 49 U.S.C. 1301 et seq.; 54 Stat. 686 as amended by 61 Stat. 94 and 72 Stat. 731; 64 Stat. 770 as amended by 72 Stat. 731; 54 Stat. 1030, 1039; Department of Transportation and Related Agencies Appropriation Act, 1972, 85 Stat. 201.*)

## General and special funds—Continued

## CONSTRUCTION, NATIONAL CAPITAL AIRPORTS—Continued

## Program and Financing (in thousands of dollars)

Identification code 21-20-1333-0-1-501	Costs to this appropriation					Analysis of 1973 financing			
	Total estimate	To June 30, 1970	1971 actual	1972 estimate	1973 estimate	Deduct selected resources and un- obligated balance, start of year	Add selected resources and un- obligated balance, end of year	Appropri- ation required, 1973	Appropri- ation re- quired to complete
<b>Program by activities:</b>									
1. Washington National Airport:									
(a) Terminal area.....	597		72	274	251	251			
(b) Landing area.....	5,924	474	577	2,295	2,405	1,578	173	1,000	
(c) Hangar area.....	165			55	110	110			
(d) Operating area.....									
(e) Other areas.....	513	13		350	150	150			
Subtotal.....	7,199	487	649	2,974	2,916	2,089	173	1,000	
2. Dulles International Airport:									
(a) Terminal area.....	5,112	772	944	3,000	396	396			
(b) Landing area.....	3,850			750	1,716	500	1,384	2,600	
(c) Hangar area.....	93				93	93			
(d) Operating area.....	3,520			3,200	320	320			
(e) Other areas.....	876			476	400	400			
Subtotal.....	13,451	772	944	7,426	2,925	1,709	1,384	2,600	
Total program costs, funded.....			1,593	10,400	5,841	3,798	1,557	3,600	
Change in selected resources <sup>1</sup> .....			848	952	-2,241				
10 Total obligations.....			2,441	11,352	3,600				
<b>Financing:</b>									
21 Unobligated balance available, start of year.....			-6,420	-7,979	-1,557				
24 Unobligated balance available, end of year.....			7,979	1,557	1,557				
40 Budget authority (appropriation).....			4,000	4,930	3,600				
<b>Relation of obligations to outlays:</b>									
71 Obligations incurred, net.....			2,441	11,352	3,600				
72 Obligated balance, start of year.....			445	1,297	2,249				
74 Obligated balance, end of year.....			-1,297	-2,249					
90 Outlays.....			1,589	10,400	5,849				

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$441 thousand; 1971, \$1,289 thousand; 1972, \$2,241 thousand; 1973, \$0.

This appropriation finances construction of major improvements to, and expansion of, facilities at Washington National Airport and Dulles International Airport. Projects are undertaken whenever necessary to insure the capability of these airports to adequately, safely, and efficiently meet air travel needs of the public and to promote development of aviation activities in general.

At Washington National Airport, funds are provided for paving work on the secondary runway and associated taxiways.

At Dulles International Airport, funds are provided for enlarging the jet apron and support facilities to accommodate the larger types of aircraft.

## Object Classification (in thousands of dollars)

Identification code 21-20-1333-0-1-501	1971 actual	1972 est.	1973 est.
<b>FEDERAL AVIATION ADMINISTRATION</b>			
Personnel compensation:			
11.1 Permanent positions.....	72	126	156
11.5 Other personnel compensation.....	4	8	6
Total personnel compensation....	76	134	162

12.1 Personnel benefits: Civilian.....	6	11	13
21.0 Travel and transportation of persons.....		4	4
31.0 Equipment.....	484	2,700	
32.0 Lands and structures.....	1,875	8,436	3,421
Total obligations, Federal Aviation Administration.....	2,441	11,285	3,600
<b>ALLOCATION ACCOUNTS</b>			
32.0 Lands and structures.....		67	
99.0 Total obligations.....	2,441	11,352	3,600
Obligations are distributed as follows:			
Federal Aviation Administration.....	2,441	11,285	3,600
Federal Highway Administration.....		13	
General Services Administration.....		54	

## Personnel Summary

Total number of permanent positions.....	14	14	14
Average paid employment.....	5	14	12
Average GS grade.....	11.1	11.1	11.1
Average GS salary.....	\$15,352	\$15,377	\$15,499

## General and special funds—Continued

## UNITED STATES INTERNATIONAL AERONAUTICAL EXPOSITION

For an additional amount for "United States International Aeronautical Exposition", to remain available until expended, \$2,200,000, of which \$200,000 shall be derived from the appropriation "Office of the Secretary, salaries and expenses": *Provided*, That \$2,000,000 of this appropriation shall be available only upon the enactment into law of authorizing legislation by the Ninety-second Congress.] (*Supplemental Appropriations Act, 1972.*)

## Program and Financing (in thousands of dollars)

Identification code 21-20-1302-0-1-501	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
10 U.S. International Aeronautical Exposition (costs—obligations).....	429	8,099	218
<b>Financing:</b>			
14 Receipts and reimbursements from: Non-Federal sources.....		-3,780	
21 Unobligated balance available, start of year.....		-2,371	-252
24 Unobligated balance available, end of year.....	2,371	252	34
<b>Budget authority.....</b>	<b>2,800</b>	<b>2,200</b>	
<b>Budget authority:</b>			
40 Appropriation.....	2,800	2,000	
42 Transferred from other accounts.....		200	
<b>43 Appropriation (adjusted).....</b>	<b>2,800</b>	<b>2,200</b>	
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	429	4,319	218
72 Obligated balance, start of year.....		376	353
74 Obligated balance, end of year.....	-376	-353	
<b>90 Outlays.....</b>	<b>53</b>	<b>4,342</b>	<b>571</b>

Section 709 of the Military Construction Authorization Act, 1970, Public Law 91-142, as amended, authorized the President to establish and conduct an international aeronautical exposition. The President, by Executive Order 11538, dated June 29, 1970, assigned responsibility for the development and operation of the exposition to the Secretary of Transportation.

The enabling legislation provides that revenues from the exposition may be used to pay the expenses of the exposition, with any net revenues after payment of such expenses to be deposited in the U.S. Treasury. The exposition is planned to be located at Dulles International Airport and to be run for a period of 9 days, beginning May 27 and closing June 4, 1972.

Two million dollars of the 1972 appropriation shall be available only upon the enactment into law of authorizing legislation by the Congress.

## Object Classification (in thousands of dollars)

Identification code 21-20-1302-0-1-501	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	9	310	197
11.3 Positions other than permanent.....	1	313	5
<b>Total personnel compensation.....</b>	<b>10</b>	<b>623</b>	<b>202</b>
12.1 Personnel benefits: Civilian.....	1	26	16
21.0 Travel and transportation of persons.....	6	23	
23.0 Rent, communications, and utilities.....		84	
24.0 Printing and reproduction.....		2	
25.0 Other services.....	412	7,341	
<b>99.0 Total obligations.....</b>	<b>429</b>	<b>8,099</b>	<b>218</b>

## Personnel Summary

Total number of permanent positions.....	0	20	0
Full-time equivalent of other positions.....	0	12	1
Average paid employment.....	0	30	7
Average GS grade.....		11.3	11.3
Average GS salary.....		\$17,740	\$17,973

## Public enterprise funds:

## AVIATION WAR RISK INSURANCE REVOLVING FUND

The Secretary of Transportation is hereby authorized to make such expenditures, within the limits of funds available pursuant to section 1306 of the Act of August 23, 1958 (49 U.S.C. 1536), and in accordance with section 104 of the Government Corporation Control Act, as amended (31 U.S.C. 849), as may be necessary in carrying out the programs set forth in the budget for the current fiscal year for aviation war risk insurance activities under said Act. (*Department of Transportation Act, 49 U.S.C. 1651 et seq.; 49 U.S.C. 1636; 72 Stat. 800-806; Department of Transportation and Related Agencies Appropriation Act, 1972, 85 Stat. 201.*)

## Program and Financing (in thousands of dollars)

Identification code 21-20-4120-0-3-501	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
10 Administrative expenses (costs—obligations).....	36	48	48
<b>Financing:</b>			
14 Receipts and reimbursements from: Non-Federal sources (see narrative).....	-4,940	-3,413	-2,013
21 Unobligated balance available, start of year.....	-28	-4,932	-8,297
24 Unobligated balance available, end of year.....	4,932	8,297	10,262
<b>Budget authority.....</b>			
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	-4,904	-3,365	-1,965
72 Receivables in excess of obligations, start of year.....		-1,892	-2,774
74 Receivables in excess of obligations, end of year.....	1,892	2,774	2,774
<b>90 Outlays.....</b>	<b>-3,012</b>	<b>-2,483</b>	<b>-1,965</b>

The fund currently provides premium aviation war risk hull insurance, effective immediately, to U.S. international air carriers. Premium binders are also issued to cover aircraft, persons, and property and will become war risk insurance in wartime and in situations short of war; policies covering aircraft, persons, and property which become active insurance upon issuance are available to certain civil air carriers in connection with Government contract operations. Administrative costs are out of fee receipts (49 U.S.C. 1531, as amended; 75 Stat. 210).

Unfunded contingent liability as of October 31, 1971, is estimated at \$60.5 billion. This amount includes hull insurance and personal and property liability on approximately 685 aircraft insured under this program.

## Revenue and Expense (in thousands of dollars)

	1971 actual	1972 est.	1973 est.
<b>Administrative expenses:</b>			
Revenue.....	4,940	3,413	2,013
Expense.....	-36	-48	-48
<b>Net operating income.....</b>	<b>4,904</b>	<b>3,365</b>	<b>1,965</b>
<b>Analysis of retained earnings:</b>			
Retained earnings, start of year.....	28	4,932	8,297
Net income for the year.....	4,904	3,365	1,965
<b>Retained earnings, end of year.....</b>	<b>4,932</b>	<b>8,297</b>	<b>10,262</b>

## Financial Condition (in thousands of dollars)

	1970 actual	1971 actual	1972 est.	1973 est.
<b>Assets:</b>				
Treasury balance.....	28	4,932	8,297	10,262
<b>Government equity:</b>				
Retained earnings.....	28	4,932	8,297	10,262

## Public enterprise funds—continued

## AVIATION WAR RISK INSURANCE REVOLVING FUND—Continued

## Analysis of Changes in Government Equity (in thousands of dollars)

	1971 actual	1972 est.	1973 est.
<b>Retained earnings:</b>			
Start of year.....	28	4,932	8,297
Net income for the year.....	4,904	3,365	1,965
<b>Total Government equity (end of year).....</b>	<b>4,932</b>	<b>8,297</b>	<b>10,262</b>

## Object Classification (in thousands of dollars)

Identification code 21-20-4120-0-3-501	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	22	36	36
11.3 Positions other than permanent.....	9	5	5
<b>Total personnel compensation.....</b>	<b>31</b>	<b>41</b>	<b>41</b>
12.1 Personnel benefits: Civilian.....	2	3	3
21.0 Travel and transportation of persons.....	2	2	3
24.0 Printing and reproduction.....		1	
25.0 Other services.....	1		
26.0 Supplies and materials.....		1	1
<b>99.0 Total obligations.....</b>	<b>36</b>	<b>48</b>	<b>48</b>

## Personnel Summary

Total number of permanent positions.....	2	2	2
Average paid employment.....	2	3	3
Average GS grade.....	11.0	11.0	11.0
Average GS salary.....	\$17,275	\$17,822	\$18,226

## Intragovernmental funds:

## ADVANCES AND REIMBURSEMENTS

## Program and Financing (in thousands of dollars)

Identification code 21-20-3913-0-4-501	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Operation and construction of air navigation and related facilities:			
Air Force.....	16,680	18,619	20,444
Navy.....	414	550	1,464
Army.....	464	863	1,049
2. Administration, training, and technical services in connection with Agency for International Development programs.....	3,392	3,923	5,455
3. Miscellaneous services to other accounts.....	13,307	10,724	11,754
<b>10 Total obligations.....</b>	<b>34,257</b>	<b>34,679</b>	<b>40,166</b>
<b>Financing:</b>			
Receipts and reimbursements from:			
11 Federal funds.....	-30,368	-29,350	-34,615
14 Non-Federal sources <sup>1</sup> .....	-3,889	-5,329	-5,551
<b>Budget authority.....</b>	<b>-----</b>	<b>-----</b>	<b>-----</b>
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	-----	-----	-----
<b>90 Outlays.....</b>	<b>-----</b>	<b>-----</b>	<b>-----</b>

<sup>1</sup> Reimbursements from non-Federal sources are derived from the sale of personal property (40 U.S.C. 481(c)); servicing of aircraft for foreign governments (49 U.S.C. 1154); and Public Law 80-647 activities (49 U.S.C. 1151).

## Object Classification (in thousands of dollars)

Identification code 21-20-3913-0-4-501	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	13,143	12,728	13,758
11.3 Positions other than permanent.....	119	93	93
11.5 Other personnel compensation.....	1,195	952	1,200
11.8 Special personal services payments.....	18	90	67
<b>Total personnel compensation.....</b>	<b>14,475</b>	<b>13,863</b>	<b>15,118</b>
12.1 Personnel benefits: Civilian.....	1,327	1,261	1,485
21.0 Travel and transportation of persons.....	452	613	574
22.0 Transportation of things.....	318	519	391
23.0 Rent, communications, and utilities.....	657	776	739
24.0 Printing and reproduction.....	32	10	9
25.0 Other services.....	1,553	1,369	2,470
26.0 Supplies and materials.....	4,974	4,929	5,462
31.0 Equipment.....	9,380	9,330	12,108
32.0 Lands and structures.....	1,118	1,525	1,326
41.0 Grants, subsidies, and contributions.....	5	515	515
<b>Subtotal.....</b>	<b>34,291</b>	<b>34,710</b>	<b>40,197</b>
95.0 Quarters and subsistence charges.....	-34	-31	-31
<b>99.0 Total obligations.....</b>	<b>34,257</b>	<b>34,679</b>	<b>40,166</b>

## Personnel Summary

Total number of permanent positions.....	829	791	791
Full-time equivalent of other positions.....	7	6	6
Average paid employment.....	779	799	816
Average GS grade.....	11.2	11.2	11.2
Average GS salary.....	\$15,250	\$15,940	\$16,227
Average FC grade.....	10.0	10.1	10.1
Average FC salary.....	\$20,179	\$20,787	\$21,401
Average salary of ungraded positions.....	\$9,300	\$10,202	\$10,300

## Trust Funds

## AIRPORT AND AIRWAY TRUST FUND

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

	1971 actual	1972 est.	1973 est.
<b>Unappropriated balance, start of year.....</b>	<b>-----</b>	<b>387,112</b>	<b>270,992</b>
<b>Revenues:</b>			
Transfer of unexpended balances: Federal funds.....	621,176	246,291	-----
Federal payment to the Airport and airway trust fund.....	-----	580,744	4,078
Proposed supplemental Federal payment to the Airport and airway trust fund.....	-----	66,138	-----
User taxes.....	562,823	676,000	752,000
Unobligated balance returned to unappropriated receipts.....	1,539	22,922	-----
<b>Total available for appropriation.....</b>	<b>1,185,538</b>	<b>1,979,207</b>	<b>1,027,000</b>
<b>Reappropriation:</b>			
Operations.....	61,825	77,625	-----
Facilities and equipment.....	356,348	153,741	-----
Research and development.....	19,831	14,925	-----
Grants-in-aid for airports.....	183,172	-----	-----
<b>Current appropriations:</b>			
Operations.....	34,000	989,074	-----
Facilities and equipment.....	48,000	301,809	250,000
Research and development.....	24,000	63,361	74,000
Grants-in-aid for airports:			
Appropriation.....	10,000	15,000	15,000
Appropriation to liquidate contract authority.....	60,000	92,000	100,000
Aviation Advisory Commission.....	1,250	750	-----
<b>Total appropriations.....</b>	<b>798,426</b>	<b>1,708,285</b>	<b>439,000</b>
<b>Unappropriated balance, end of year.....</b>	<b>387,112</b>	<b>270,922</b>	<b>588,000</b>



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

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

Unexpended balance brought forward:	1971 actual	1972 estimate	1973 estimate
Balance of fund at start of year		896,509	1,088,325
Cash income during the year:			
Governmental receipts:			
From excise taxes:			
Passenger ticket tax	452,901	540,000	605,000
Waybill tax	27,442	30,000	33,000
Fuel tax	36,444	42,000	44,000
International passenger tax	25,994	40,000	45,000
Aircraft use tax	18,719	22,000	23,000
Aircraft tires and tubes tax	3,000	3,000	3,000
Refunds of taxes	-1,677	-1,000	-1,000
Intrabudgetary transactions:			
Federal payment from general fund		580,744	4,078
Unexpended balances of general fund appropriations	621,176	246,291	
Proposed supplemental		66,138	
Total annual income	1,183,999	1,569,173	756,078
Cash outgo during the year:			
Federal Aviation Administration:			
Grants-in-aid for airports	61,484	131,000	200,000
Facilities and equipment	121,676	232,000	239,000
Research and development	26,240	56,000	56,390
Operations	77,931	957,201	100,000
Aviation Advisory Commission	159	1,156	685
Total annual outgo	287,489	1,377,357	596,075
Unexpended balance carried forward:			
Balance of fund at end of year	896,509	1,088,325	1,248,328

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

For necessary expenses of the Federal Aviation Administration, not otherwise provided for, including administrative expenses for research and development, establishment of air navigation facilities; purchase of ten passenger motor vehicles for replacement only; and purchase and repair of skis and snowshoes; \$989,074,000, to be derived from the Airport and Airway Trust Fund: *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 the obligated balance of the appropriation for "Operations" for the prior fiscal year, but excluding the balance of the amount appropriated for safety regulation activities, shall be transferred to this appropriation. (Federal Aviation Act of 1958, 49 U.S.C. 1301 et seq.; 49 U.S.C. 1151-1160; 50 U.S.C. Appendix 1622(g); Convention on International Recognition of Rights in Aircraft, 4 U.S.C. 1830, 1953; Executive Order 11048 and related regulations (27 F.R. 8855, 8887), and 10 U.S.C. 4655; Airport and Airway Development Act of 1970, 49 U.S.C. 1701; Department of Transportation and Related Agencies Appropriation Act, 1972, 85 Stat. 201.)

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

Identification code 21-20-8104-0-7-501	1971 actual	1972 est.	1973 est.
Program by activities:			
1. Operation of traffic control system		522,440	
2. Installation and materiel services		111,795	
3. Maintenance of traffic control system	4,620	262,227	
4. Administration of flight standards program	27,841	36,824	
5. Administration of medical programs		2,745	

6. Development direction	10,974		
7. Administration of airports program	19,147		
8. Obligated balance transferred from general fund	61,825	77,625	
10 Total obligations	94,286	1,043,777	
Financing:			
25 Unobligated balance lapsing	1,539	22,922	
Budget authority	95,825	1,066,699	
Budget authority:			
40 Appropriation	34,000	989,074	
50 Reappropriation	61,825	77,625	
Relation of obligations to outlays:			
71 Obligations incurred, net	94,286	1,043,777	
72 Obligated balance, start of year		16,519	103,095
74 Obligated balance, end of year	-16,519	-103,095	-3,095
77 Adjustments in expired accounts	164		
90 Outlays	77,931	957,201	100,000

This account will be phased out in 1972 in accordance with Public Law 92-174. The activities will be shown in the Operations account in 1973.

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

Identification code 21-20-8104-0-7-501	1971 actual	1972 est.	1973 est.
FEDERAL AVIATION ADMINISTRATION			
Personnel compensation:			
11.1 Permanent positions	4,719	663,425	
11.3 Positions other than permanent	5	4,711	
11.5 Other personnel compensation	53	46,297	
11.8 Special personal services payments		468	
Total personnel compensation	4,777	714,901	
12.1 Personnel benefits: Civilian	418	70,266	
13.0 Benefits for former personnel		8	
21.0 Travel and transportation of persons	3,497	27,441	
22.0 Transportation of things	7	6,814	
23.0 Rent, communications, and utilities	6	32,563	
24.0 Printing and reproduction		3,277	
25.0 Other services	22,487	34,897	
26.0 Supplies and materials	1,197	33,215	
31.0 Equipment	13	5,284	
32.0 Lands and structures		161	
41.0 Grants, subsidies, and contributions	59		
42.0 Insurance claims and indemnities		27	
Subtotal	32,461	928,854	
95.0 Quarters and subsistence charges		-1,324	
96.0 Obligations previously incurred	61,825	77,625	
Total obligations, Federal Aviation Administration	94,286	1,005,155	
ALLOCATION TO DEPARTMENT OF DEFENSE			
23.0 Rent, communications, and utilities		38,622	
99.0 Total obligations	94,286	1,043,777	

#### Personnel Summary

Total number of permanent positions	165	44,534
Full-time equivalent of other positions	0	746
Average paid employment	121	44,387
Average GS grade	10.1	10.9
Average GS salary	\$13,716	\$15,578
Average NM grade		10.9
Average NM salary		\$17,414
Average salary of ungraded positions		\$10,379

## GRANTS-IN-AID FOR AIRPORTS (AIRPORT AND AIRWAY TRUST FUND)

For grants-in-aid for airport planning pursuant to section 13 of Public Law 91-258, and for liquidation of obligations incurred for airport development under authority contained in section 14 of Public Law 91-258, to be derived from the Airport and Airway Trust Fund and to remain available until expended, **[\$107,000,000]** \$115,000,000, of which \$15,000,000 shall be for airport planning grants. (Airport and Airway Development Act of 1970, 49 U.S.C. 1701; Department of Transportation and Related Agencies Appropriation Act, 1972, 85 Stat. 201.)

## Program and Financing (in thousands of dollars)

Identification code 21-20-8106-0-7-501	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Grants for planning.....	3,636	15,000	15,000
2. Grants for construction.....	170,000	280,000	280,000
3. Obligated balance transferred from general fund.....	132,077	-----	-----
10 Total obligations.....	305,713	295,000	295,000
<b>Financing:</b>			
17 Recovery of prior year obligations.....	-2,539	-----	-----
Unobligated balance available, start of year:			
21.40 Appropriation.....	-----	-59,998	-59,998
21.49 Contract authority.....	-840,000	-670,000	-390,000
Unobligated balance available, end of year:			
24.40 Appropriation.....	59,998	59,998	59,998
24.49 Contract authority.....	670,000	390,000	110,000
Budget authority.....	193,172	15,000	15,000
<b>Budget authority:</b>			
40 Appropriation.....	70,000	107,000	115,000
40.49 Appropriation to liquidate contract authority.....	-60,000	-92,000	-100,000
43 Appropriation (adjusted).....	10,000	15,000	15,000
50 Reappropriation.....	183,172	-----	-----
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	303,174	295,000	295,000
Obligated balance, start of year:			
72.40 Appropriation.....	-----	131,690	107,690
72.49 Contract authority.....	-----	110,000	298,000
Obligated balance, end of year:			
74.40 Appropriation.....	-131,690	-107,690	-22,690
74.49 Contract authority.....	-110,000	-298,000	-478,000
90 Outlays.....	61,484	131,000	200,000

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

	1971 actual	1972 est.	1973 est.
Unfunded balance, start of year.....	840,000	780,000	688,000
Unfunded balance, end of year.....	-780,000	-688,000	-588,000
Appropriation to liquidate contract authority.....	60,000	92,000	100,000

Under the Airport and Airway Development Act of 1970 (Public Law 91-258; 84 Stat. 219), grants are made to public agencies for the development and improvement, as well as planning, of public airports. The act provides funds for airport grants in the total amount of \$295 million annually. Of this amount, not to exceed \$15 million is available for planning grants and \$280 million in outlays for airport development and improvements. Projects supported by airport development and improvement grants include construction of runways and taxiways, purchase of land, provision of runway and taxiway light-

systems, and construction of buildings to house safety equipment. Projects to be supported by airport planning grants include the development of construction plans for regional systems of airports and plans for individual airports.

The 1973 program provides \$15 million in obligating authority for new planning grants, \$280 million for airport development grants, and liquidating cash totaling \$100 million to pay for airport development and improvement projects including land acquisition.

## Object Classification (in thousands of dollars)

Identification code 21-20-8106-0-7-501	1971 actual	1972 est.	1973 est.
41.0 Grants, subsidies, and contributions....	173,636	295,000	295,000
96.0 Obligations previously incurred.....	132,077	-----	-----
99.0 Total obligations.....	305,713	295,000	295,000

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

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, but at a total cost of construction not to exceed \$50,000 per housing unit in Alaska; and purchase of five aircraft; **[\$301,809,300]** \$250,000,000 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 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: *Provided further*, That the unexpended balance of the appropriation for "Facilities and equipment," but excluding the balance of the amount appropriated for safety regulation activities, shall be transferred and added to this appropriation. (Federal Aviation Act of 1958, 49 U.S.C. 1301 et seq.; 49 U.S.C. 1507; 49 U.S.C. 1151-1160; Airport and Airway Development Act of 1970, 49 U.S.C. 1701; Department of Transportation and Related Agencies Appropriation Act, 1972, 85 Stat. 201.)

## Program and Financing (in thousands of dollars)

Identification code 21-20-8107-0-7-501	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Air route traffic control centers.....	22,468	181,000	155,834
2. Airport traffic control towers.....	71,180	115,100	48,810
3. Flight service stations.....	2,037	2,500	4,191
4. Air navigation facilities.....	16,599	37,300	24,065
5. Housing, utilities, and miscellaneous facilities.....	3,734	7,600	7,900
6. Aircraft and related equipment.....	445	1,000	6,600
7. Development, test, and evaluation facilities.....	1,072	1,500	2,600
8. Obligations previously incurred.....	189,337	94,783	-----
10 Total obligations.....	306,872	440,783	250,000
<b>Financing:</b>			
17 Recovery of prior year obligations.....	-353	-----	-----
21 Unobligated balance available, start of year.....	-----	-97,829	-112,596
24 Unobligated balance available, end of year.....	97,829	112,596	112,596
Budget authority.....	404,348	455,550	250,000
<b>Budget authority:</b>			
40 Appropriation.....	48,000	301,809	250,000
50 Reappropriation.....	356,348	153,741	-----

Relation of obligations to outlays:			
71	Obligations incurred, net.....	306,519	440,783
72	Obligated balance, start of year.....	184,843	393,626
74	Obligated balance, end of year.....	-184,843	-393,626
90	Outlays.....	121,676	232,000

Under this appropriation, the Federal airway system is improved by the installation of new equipment and the construction and modernization of facilities to keep pace with aeronautical activity. The appropriation also finances major capital investments required by other agency programs such as aircraft for facility flight inspection and training, and experimental facilities for the engineering and development program. The 1973 appropriation will carry forward the program to increase the capacity of the airway system and make its operations more efficient and safer. It provides for continuation of major efforts already underway to provide an automation capability in the air traffic control system. Operating costs of facilities procured under this appropriation are financed under the Operations appropriation.

1. *Air route traffic control centers.*—(a) Long-range radar provides FAA air traffic controllers with information on aircraft positions at distances up to 185 miles. (b) Computers and other automated devices aid controllers in handling en route air traffic. (c) Other center facilities provide communications and related services.

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

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

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

5. *Housing, utilities, and miscellaneous facilities.*—This section includes general support facilities and items not covered elsewhere.

6. *Aircraft and related equipment.*—(a) Facility flight inspection aircraft and avionics equipment to inspect the accuracy and other characteristics of navigation and traffic control aids from the air; (b) aircraft and equipment used to provide logistics support for remote facilities, for use by agency officials.

7. *Development, test, and evaluation facilities.*—This activity provides for the construction and improvement of plant and facilities primarily at the National Aviation Facilities Experimental Center in Atlantic City, N.J. It also covers the procurement of capital items of equipment for use in the engineering and development program.

## Object Classification (in thousands of dollars)

Identification code	21-20-8107-0-7-501	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>				
11.1	Permanent positions.....	12,421	29,787	31,572
11.3	Positions other than permanent.....	91	74	112
11.5	Other personnel compensation.....	975	1,769	1,217
11.8	Special personal services payments.....	-----	96	96
	<b>Total personnel compensation.....</b>	<b>13,487</b>	<b>31,726</b>	<b>32,997</b>
12.1	Personnel benefits: Civilian.....	1,403	2,522	2,661
13.0	Benefits for former personnel.....	3	-----	-----
21.0	Travel and transportation of persons.....	2,634	4,273	4,627
22.0	Transportation of things.....	740	753	840
23.0	Rent, communications, and utilities.....	182	687	691
24.0	Printing and reproduction.....	98	163	157
25.0	Other services.....	5,947	35,310	39,429
26.0	Supplies and materials.....	5,419	6,452	6,433
31.0	Equipment.....	70,044	196,978	126,699
32.0	Lands and structures.....	17,578	67,136	35,466
	<b>Subtotal.....</b>	<b>117,535</b>	<b>346,000</b>	<b>250,000</b>
96.0	Obligations previously incurred.....	189,337	94,783	-----
99.0	<b>Total obligations.....</b>	<b>306,872</b>	<b>440,783</b>	<b>250,000</b>

## Personnel Summary

Total number of permanent positions.....	1,188	1,917	2,122
Full-time equivalent of other positions.....	7	5	8
Average paid employment.....	876	1,897	2,013
Average GS grade.....	10.2	10.4	10.3
Average GS salary.....	\$14,066	\$15,133	\$14,966
Average salary of ungraded positions.....	\$10,058	\$10,489	\$10,722

## 【RESEARCH】ENGINEERING AND DEVELOPMENT (AIRPORT AND AIRWAY TRUST FUND)

For necessary expenses, not otherwise provided for; 【for research】 engineering and development in accordance with the provisions of the Federal Aviation Act (49 U.S.C. 1301-1542), including construction of experimental facilities and acquisition of necessary sites by lease or grant; 【\$63,360,700】 \$74,000,000, 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: *Provided further*, That the unexpended balance of the appropriation for "Research and development," but excluding the balance of the amount appropriated for safety regulation activities, shall be transferred and added to this appropriation. (Federal Aviation Act of 1958, 49 U.S.C. 1301 et seq.; Airport and Airway Development Act of 1970, 49 U.S.C. 1701; Department of Transportation and Related Agencies Appropriation Act, 1972, 85 Stat. 201; 31 U.S.C. 713.)

## Program and Financing (in thousands of dollars)

Identification code	21-20-8108-0-7-501	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>				
1	Air traffic control.....	18,284	48,998	50,130
2	Navigation.....	4,782	11,529	20,485
3	Aviation weather.....	203	2,159	2,400
4	Aviation medicine.....	-----	675	985
5	Obligations previously incurred.....	19,792	14,572	-----
10	<b>Total obligations.....</b>	<b>43,061</b>	<b>77,933</b>	<b>74,000</b>
<b>Financing:</b>				
17	Recovery of prior year obligations.....	-49	-----	-----
21	Unobligated balance available, start of year.....	-----	-819	-1,172
24	Unobligated balance available, end of year.....	819	1,172	1,172
	<b>Budget authority.....</b>	<b>43,831</b>	<b>78,286</b>	<b>74,000</b>
<b>Budget authority:</b>				
40	Appropriation.....	24,000	63,361	74,000
50	Reappropriation.....	19,831	14,925	-----

**[RESEARCH] ENGINEERING AND DEVELOPMENT (AIRPORT AND AIRWAY TRUST FUND)—Continued****Program and Financing (in thousands of dollars)—Continued**

Identification code 21-20-8108-0-7-501	1971 actual	1972 est.	1973 est.
Relation of obligations to outlays:			
71 Obligations incurred, net.....	43,012	77,933	74,000
72 Obligated balance, start of year.....	16,772	38,705	36,705
74 Obligated balance, end of year.....	-16,772	-38,705	-56,315
90 Outlays.....	26,240	56,000	56,390

The FAA conducts engineering and development programs to improve the national air traffic control system and to increase its capacity to meet air traffic demands of the 1975-85 time period. The effort to increase capacity is based on exploiting current technology and applying system engineering techniques to the development and integration of new equipment into the total system. The agency also administers aviation medical research aimed at increasing the personal effectiveness of traffic controllers.

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

1. *Air traffic control.*—This provides for system improvements and the major upgrading of those systems required to perform modern traffic control functions. This traffic control program also provides for increasing the capacity of major airports to safely and efficiently handle larger, faster aircraft through the development of new computerized airport traffic control systems which will enable more efficient metering and spacing of terminal traffic under all weather conditions. The objective of these development programs is to double airport/airway capacity by 1980.

2. *Navigation.*—This provides for the development of ground-based systems which insure the precision navigation of aircraft, including new navigation equipment and sophisticated landing systems capable of handling increased air traffic. These activities are an integral part of the effort to double system capacity by 1980.

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.

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 21-20-8108-0-7-501	1971 actual	1972 est.	1973 est.
Personnel compensation:			
11.1 Permanent positions.....	57	7,930	8,175
11.3 Positions other than permanent.....	2	1,332	1,181
11.5 Other personnel compensation.....		112	146
11.8 Special personal services payments.....		58	58
Total personnel compensation.....	59	9,432	9,560
12.1 Personnel benefits: Civilian.....		791	816
21.0 Travel and transportation of persons.....		610	702
22.0 Transportation of things.....	2	21	39
23.0 Rent, communications, and utilities.....		89	102
24.0 Printing and reproduction.....		13	27
25.0 Other services.....	17,748	51,982	62,415

26.0 Supplies and materials.....	388	179	
31.0 Equipment.....	5,403	35	160
32.0 Lands and structures.....	57		
Subtotal.....	23,269	63,361	74,000
96.0 Obligations previously incurred.....	19,792	14,572	
99.0 Total obligations.....	43,061	77,933	74,000

**Personnel Summary**

Total number of permanent positions.....	0	493	493
Full-time equivalent of other positions.....	0	193	180
Average paid employment.....	8	652	649
Average GS grade.....		11.3	11.2
Average GS salary.....		\$17,864	\$17,978
Average salary of ungraded positions.....		\$10,287	\$10,451

**FEDERAL HIGHWAY ADMINISTRATION****Federal Funds****General and special funds:****SALARIES AND EXPENSES**

For necessary expenses, not otherwise provided, as authorized by law, of the Federal Highway Administration, [including services as authorized by 5 U.S.C. 3109, \$7,129,000] \$15,224,000, of which [\$1,400,000] \$6,666,667 shall be derived from the Highway Trust Fund, together with not to exceed [\$93,037,000] \$100,554,000 to be transferred from the appropriation for "Federal-aid highways (trust Fund)": *Provided*, That not to exceed [\$15,087,000] \$29,150,000 of the amount provided herein shall remain available until expended. (23 U.S.C. 303, 307, 403; Department of Transportation and Related Agencies Appropriation Act, 1972.)

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

Identification code 21-25-0500-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Program direction and coordination:			
(a) Executive direction.....	782	857	947
(b) Legal services.....	1,257	1,446	1,497
(c) Program review and investigation.....	3,982	4,661	4,842
(d) Public affairs.....	185	160	165
(e) Civil rights.....	958	1,147	1,276
2. General program support:			
(a) Program and highway planning.....	7,349	8,712	8,352
(b) Research and development.....	11,375	11,518	19,833
(c) Administrative support.....	14,425	16,146	16,912
3. Highway programs:			
(a) Engineering and traffic operations.....	8,799	9,235	4,910
(b) Right-of-way and environment.....	1,582	1,792	1,908
(c) Field operations.....	30,081	33,217	34,680
4. Motor carrier and highway safety:			
(a) Motor carrier safety.....	3,525	4,192	4,626
(b) Highway safety.....	229	2,440	10,378
5. Training programs:			
(a) Professional training.....	3,376	3,180	3,430
(b) National Highway Institute.....		100	400
(c) Construction skill training.....		4,000	5,000
Total program costs, funded.....	87,905	102,803	119,156
Change in selected resources <sup>1</sup> .....	4,805		
10 Total obligations.....	92,711	102,803	119,156
<b>Financing:</b>			
Receipts and reimbursements from:			
11 Federal funds.....	-237	-3,113	-3,126
13 Trust funds.....	-88,278	-93,961	-107,473
25 Unobligated balance lapsing.....	98		
40 Budget authority (appropriation).....	4,294	5,729	8,557

Relation of obligations to outlays:			
71 Obligations incurred, net.....	4,196	5,729	8,557
72 Obligated balance, start of year.....	214	650	650
74 Obligated balance, end of year.....	-650	-650	-650
77 Adjustments in expired accounts.....	-15	-----	-----
90 Outlays.....	3,745	5,729	8,557

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders. 1970, \$16,371 thousand; 1971, \$21,176 thousand; 1972, \$21,176 thousand; 1973, \$21,176 thousand.

This account provides for the salaries and expenses of the Federal Highway Administration required to conduct and administer Federal-aid and several direct highway programs.

Expenses for planning, operation, and administration of the Federal-aid highway programs and highway research are financed by reimbursements from Federal-aid highway (trust fund) authorizations. Motor carrier safety programs and one-third of the amount for highway-related safety research and development programs are financed by this Federal fund appropriation. Beginning in 1972, the functions formerly financed by the appropriation for Motor carrier safety and by the Limitation on general expenses of the Federal-aid highway (trust fund) account are now carried out under this account.

Administrative services for other programs of the Federal Highway Administration, including highway safety, and for road construction programs of other Federal agencies are initially financed from this activity and reimbursements are collected from those programs. This account does not cover administrative expenses of Highway beautification, Darien Gap highway, and Territorial highways, which are provided by separate appropriations.

1. *Program direction and coordination.*—(a) Provides overall direction and coordination of the highway transportation mission; (b) provides legal services for all programs; (c) develops and administers programs for a 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 assures 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. Increases are requested to provide additional personnel to meet the expanding workload in legal services, civil rights, program review, and to establish liaison offices in the four cities designated as standard regions where the Administration does not have a regional office.

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, highway safety, and the social and environmental aspects of highways; and (c) provides the full range of necessary administrative support services for all elements of the Federal Highway Administration. Increases are requested to meet an expanding administrative support workload, to cover the increased cost of common office services provided for all units, to strengthen highway planning capability in the regional offices and to intensify the research and development efforts.

3. *Highway programs.*—(a) Provides engineering guidance to Federal and State agencies and to certain foreign governments, and conducts a program to encourage use of

modern traffic engineering procedures to increase the traffic-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) provides program and engineering supervision of the interstate, primary, secondary, and urban highway programs through nine regional and 52 division offices. Increases are requested to establish the bridge replacement program, to direct more attention to the environmental impacts of highway construction, and to fill isolated gaps in field staffing.

4. *Motor carrier and highway safety.*—(a) Develops and executes policy and programs for accomplishment of the motor carrier safety mission; and (b) administers a program of assistance to States and communities in the establishment of safety programs based on the highway-oriented safety standards. Increases are requested to provide additional personnel for motor carrier safety field investigation and supervision, to meet expanded workload in hazardous materials activities, and to conduct research and other functions necessary to support highway-oriented safety standards.

5. *Training programs.*—Provides on-the-job training for highway engineers and program managers, and finances construction skill training programs for disadvantaged workers hired by contractors on federally aided highway projects.

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

Identification code 21-25-0500-0-1-503	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	58,696	61,997	65,138
11.3 Positions other than permanent.....	1,244	1,393	1,530
11.5 Other personnel compensation.....	363	173	475
Total personnel compensation.....	60,304	63,563	67,143
12.1 Personnel benefits: Civilian.....	5,516	6,160	6,450
13.0 Benefits for former personnel.....	11	-----	-----
21.0 Travel and transportation of persons.....	3,802	3,916	4,212
22.0 Transportation of things.....	559	429	449
23.0 Rent, communications, and utilities.....	4,649	5,352	5,671
24.0 Printing and reproduction.....	568	589	614
25.0 Other services.....	15,772	21,168	32,835
26.0 Supplies and materials.....	484	532	562
31.0 Equipment.....	1,042	1,094	1,220
42.0 Insurance claims and indemnities.....	4	-----	-----
99.0 Total obligations.....	92,711	102,803	119,156

#### Personnel Summary

Total number of permanent positions.....	4,060	4,093	4,180
Full-time equivalent of other positions.....	185	206	220
Average paid employment.....	4,016	4,113	4,303
Average GS grade.....	10.2	10.2	10.2
Average GS salary.....	\$15,490	\$15,712	\$15,791

#### HIGHWAY BEAUTIFICATION (LIQUIDATION OF CONTRACT AUTHORIZATION)

For payment of obligations incurred in carrying out the provisions of title 23, United States Code, sections 131, 136, and 319(b), [\$10,000,000] \$15,000,000, to remain available until expended, together with [\$1,100,000] \$1,300,000 for necessary administrative expenses for carrying out such provisions of title 23, United States Code, as authorized by section 105(a) of the Federal Aid Highway Act of 1970. (Federal-Aid Highway Act of 1970, 84 Stat. 1716; Department of Transportation and Related Agencies Appropriation Act, 1972.)

## General and special funds—Continued

## HIGHWAY BEAUTIFICATION (LIQUIDATION OF CONTRACT AUTHORIZATION)—Continued

## Program and Financing (in thousands of dollars)

Identification code 21-25-9997-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Landscaping and scenic enhancement	8,471	9,835	15,949
2. Control of outdoor advertising and junkyards:			
(a) Outdoor advertising	1,031	17,000	19,000
(b) Junkyards	818	2,500	3,751
3. Administrative expenses	528	665	1,300
Total program costs, funded	10,848	30,000	40,000
Change in selected resources <sup>1</sup>	1,062	8,033	21,300
10 Total obligations	11,910	38,033	61,300
<b>Financing:</b>			
17 Recovery of prior year obligations	-1,399		
Unobligated balance available, start of year:			
21.40 Appropriation		-4,239	
21.49 Contract authority	-17,733	-58,500	-90,339
Unobligated balance available, end of year:			
24.40 Appropriation	4,239		
24.49 Contract authority	58,500	90,339	90,339
25 Unobligated balance lapsing	9	467	
Budget authority	55,526	66,100	61,300
<b>Budget authority:</b>			
40 Appropriation	17,026	11,100	16,300
40.49 Appropriation to liquidate contract authority	-16,500	-10,000	-15,000
43 Appropriation (adjusted)	526	1,100	1,300
Contract authority:			
49 Current	55,000		60,000
69 Permanent		65,000	
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net	10,511	38,033	61,300
Obligated balance, start of year:			
72.40 Appropriation	39,950	41,408	26,280
72.49 Contract authority	2,267		23,161
Obligated balance, end of year:			
74.40 Appropriation	-41,408	-26,280	-2,580
74.49 Contract authority		-23,161	-68,161
77 Adjustments in expired accounts	-1,399		
90 Outlays	9,922	30,000	40,000
<b>Status of Unfunded Contract Authority (in thousands of dollars)</b>			
Unfunded balance, start of year	20,000	58,500	113,500
Contract authority	55,000	65,000	60,000
Unfunded balance, end of year	-58,500	-113,500	-158,500
Appropriation to liquidate contract authority	16,500	10,000	15,000

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$36,190 thousand (1971 adjustments, -\$1,399 thousand); 1971, \$35,853 thousand; 1972, \$43,886 thousand; 1973, \$65,186 thousand.

This appropriation provides funds 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.

The Federal-Aid Highway Act of 1970 provides for completely revised program emphasis to concentrate on the outdoor advertising portion of the program. The primary objective of the new program is to remove all non-conforming outdoor signs along the Nation's interstate and

Federal-aid primary highways by 1976. It is anticipated that the total Federal cost of this effort will aggregate approximately \$300 million.

In its initial stages, about the first 2 years, feasibility projects will be undertaken with particular focus on sign removal in terms of an entire company rather than on the basis of sign-by-sign location as in the past. Preliminary evaluation indicates that such an approach offers the greatest potential for total program success at the least cost.

The \$61.3 million program planned for 1973 will permit the maintenance of the 6-year program schedule for the removal of roadside billboards which do not conform with the law. All of the \$23.3 million increase in 1973 will be used for billboard removal, while the junkyard control and landscaping programs will be reduced from the 1972 level.

Additional contract authority of \$60 million for 1974 will be requested in the proposed Federal-aid Highway Act of 1972. This authority will be available 1 year in advance.

The planned distribution of new program obligations in 1973 as compared to 1972 is as follows (in thousands of dollars):

Activity	1972 estimate	1973 estimate
1. Landscaping and Scenic enhancement	13,500	3,000
2. Control of outdoor advertising and junkyards:		
(a) Outdoor advertising	20,000	55,000
(b) Junkyards	3,900	2,000
3. Administrative expenses	633	1,300
Total obligations	38,033	61,300

## Object Classification (in thousands of dollars)

Identification code 21-25-9997-0-1-503	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions	419	468	1,060
11.3 Positions other than permanent	6	8	12
11.5 Other personnel compensation	2	6	11
Total personnel compensation	427	482	1,083
12.1 Personnel benefits: Civilian	35	41	88
21.0 Travel and transportation of persons	35	80	91
22.0 Transportation of things	2	2	2
23.0 Rent, communications, and utilities	15	19	24
25.0 Other services	2	3	4
26.0 Supplies and materials	3	4	5
31.0 Equipment	1	2	3
41.0 Grants, subsidies, and contributions	11,389	37,400	60,000
99.0 Total obligations	11,910	38,033	61,300

## Personnel Summary

Total number of permanent positions	45	55	65
Full-time equivalent of other positions	1	1	1
Average paid employment	37	33	61
Average GS grade	7.5	7.4	7.2
Average GS salary	\$12,000	\$11,690	\$11,400

## HIGHWAY-RELATED SAFETY GRANTS (LIQUIDATION OF CONTRACT AUTHORIZATION)

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, \$5,000,000 of which \$3,333,333 shall be derived from the Highway Trust Fund; *Provided*, That not to exceed \$340,000 of the amount appropriated herein may be transferred to the appropriation "Salaries and expenses". (Federal-Aid Highway Act of 1970, 84 Stat. 1741; Department of Transportation and Related Agencies Appropriation Act, 1972.)

## Program and Financing (in thousands of dollars)

Identification code 21-25-0554-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. State and community grants.....		4,660	11,622
2. Administration of grant programs.....		340	378
Total program costs, funded.....		5,000	12,000
Change in selected resources <sup>1</sup> .....		7,881	1,300
<b>10 Total obligations.....</b>		<b>12,881</b>	<b>13,300</b>
<b>Financing:</b>			
13 Receipts and reimbursements from:			
Trust funds.....		-8,587	-8,867
21.49 Unobligated balance available, start of year: Contract authority.....		-10,000	-15,706
24.49 Unobligated balance available, end of year: Contract authority.....	10,000	15,706	21,273
<b>Budget authority.....</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>
<b>Budget authority:</b>			
40 Appropriation.....		1,667	4,000
40.49 Appropriation to liquidate contract authority.....		-1,667	-4,000
<b>43 Appropriation (adjusted).....</b>			
Contract authority:			
49 Current.....	10,000		10,000
69 Permanent.....		10,000	
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....		4,294	4,433
72.49 Obligated balance, start of year: Contract authority.....			2,627
74.49 Obligated balance, end of year: Contract authority.....		-2,627	-3,060
<b>90 Outlays.....</b>		<b>1,667</b>	<b>4,000</b>
<b>Status of Unfunded Contract Authority (in thousands of dollars)</b>			
Unfunded balance, start of year.....		10,000	18,333
Contract authority.....	10,000	10,000	10,000
Unfunded balance, end of year.....	-10,000	-18,333	-24,333
<b>Appropriation to liquidate contract authority.....</b>		<b>1,667</b>	<b>4,000</b>

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1971, \$0; 1972, \$7,881 thousand; 1973, \$9,181 thousand.

The Highway Safety Act of 1970 provided contract authority of \$30 million for each of the years 1972 and 1973 for grants to States and communities for implementing certain highway-related safety standards. The contract authority is available 1 year in advance of the year for which authorized. Two-thirds of the funds are provided from the Highway trust fund and one-third is provided from the general fund of the Treasury. The budget authorities and outlays shown in this schedule are only the General fund financed portions.

The combination of general and trust funds will provide a total program of \$13.3 million in 1973 for grants to assist States and localities in implementing these highway safety standards, which deal with traffic control devices, highway construction and maintenance, accident location surveillance, and highway-related aspects of pedestrian safety. Since related highway safety standards are also administered by the National Highway Traffic Safety Administration, this amount is a tentative distribution. The final distribution will be determined after the annual program plans of the States for 1973 are submitted and approved by the two agencies.

Additional contract authority of \$30 million for 1974 will be requested in the proposed Federal-Aid Highway Act of 1972 for use in future years.

## Object Classification (in thousands of dollars)

Identification code 21-25-0554-0-1-503	1971 actual	1972 est.	1973 est.
25.0 Other services.....		340	378
41.0 Grants, subsidies, and contributions.....		12,541	12,922
<b>99.0 Total obligations.....</b>		<b>12,881</b>	<b>13,300</b>

## RAIL CROSSINGS—DEMONSTRATION PROJECTS

For payment of obligations incurred in carrying out the provisions of title 23, United States Code, section 322, to remain available until expended, \$10,000,000, of which \$3,000,000 shall be derived from the Highway Trust Fund. (*Federal-Aid Highway Act of 1970, 84 Stat. 1743; Department of Transportation and Related Agencies Appropriation Act, 1972.*)

## Program and Financing (in thousands of dollars)

Identification code 21-25-0555-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Rail crossings—demonstration projects (program costs, funded).....		5,000	7,000
Change in selected resources <sup>1</sup> .....		5,000	3,000
<b>10 Total obligations (object class 41.0).....</b>		<b>10,000</b>	<b>10,000</b>
<b>Financing:</b>			
13 Receipts and reimbursements from:			
Trust fund.....		-3,000	-3,000
<b>40 Budget authority (appropriation).....</b>		<b>7,000</b>	<b>7,000</b>
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....		7,000	7,000
72 Obligated balance, start of year.....			3,500
74 Obligated balance, end of year.....		-3,500	-5,500
<b>90 Outlays.....</b>		<b>3,500</b>	<b>5,000</b>

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1971, \$0; 1972, \$5,000 thousand; 1973, \$8,000 thousand.

Section 322 of title 23, United States Code, as added by the Federal-Aid Highway Act of 1970, authorizes the Secretary to carry out a demonstration project for the elimination of all public ground-level rail-highway crossings along the route of highspeed ground transportation demonstration projects between Washington, D.C., and Boston, Mass., and in the vicinity of Greenwood, S.C. The authorization provides for the appropriation of not to exceed \$22 million from general funds and \$9 million from the Highway trust fund.

The program is financed jointly by the Highway trust fund and the general fund of the Treasury. If the grade crossing involved is located on any Federal-aid highway system, the Federal share of the project cost is 90%, financed from the Highway trust fund, and the railroad's share is 10%. If the grade crossing involved is located on a highway not part of any Federal-aid system, then the Federal share of the project cost is 80%, financed from general fund of the Treasury, the railroad's share is 10%, and the State in which the highway is located pays the remaining 10% share.

The budget authorities and outlays shown in these schedules are the general fund-financed portions only. The combination of general and trust funds will provide for a 1973 program of \$10 million, the same amount as provided in 1972.

## General and special funds—Continued

## TERRITORIAL HIGHWAYS (LIQUIDATION OF CONTRACT AUTHORIZATION)

For payment of obligations incurred in carrying out the provisions of title 23, United States Code, section 215, [including services as authorized by 5 U.S.C. 3109, \$1,000,000] \$2,000,000, to remain available until expended. (*Federal-Aid Highway Act of 1970, 84 Stat. 1720, 1721; Department of Transportation and Related Agencies Appropriation Act, 1972.*)

## Program and Financing (in thousands of dollars)

Identification code 21-25-0556-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Territorial highways.....		831	1,831
2. Administration.....		169	169
Total program costs, funded.....		1,000	2,000
Change in selected resources <sup>1</sup> .....		3,000	2,000
10 Total obligations.....		4,000	4,000
<b>Financing:</b>			
21.49 Unobligated balance available, start of year: Contract authority.....		-4,500	-5,000
24.49 Unobligated balance available, end of year: Contract authority.....	4,500	5,000	5,500
Budget authority.....	4,500	4,500	4,500
<b>Budget authority:</b>			
40 Appropriation.....		1,000	2,000
40.49 Appropriation to liquidate contract authority.....		-1,000	-2,000
43 Appropriation (adjusted).....			
Contract authority:			
Current.....	4,500		
Permanent (84 Stat. 1720).....		4,500	4,500
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....		4,000	4,000
72.49 Obligated balance, start of year: Contract authority.....			3,000
74.49 Obligated balance, end of year: Contract authority.....		-3,000	-5,000
90 Outlays.....		1,000	2,000

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1971, \$0; 1972, \$3,000 thousand; 1973, \$5,000 thousand.

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

	1971 actual	1972 est.	1973 est.
Unfunded balance, start of year.....		4,500	8,000
Contract authority.....	4,500	4,500	4,500
Unfunded balance, end of year.....	-4,500	-8,000	-10,500
Appropriation to liquidate contract authority.....		1,000	2,000

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

The Secretary is also authorized to provide technical assistance to each territorial government to establish an

effective, long-range highway development program and to organize an appropriate agency to administer the highway programs, including planning, design, construction, maintenance, right-of-way acquisition, and relocation assistance.

Contract authority for the years 1971, 1972, and 1973, in amounts of \$2 million per year for the Virgin Islands, \$2 million per year for Guam, and \$500 thousand per year for American Samoa was provided by the Federal-Aid Highway Act of 1970. Contract authority is available for use in the same year for which authorized.

A total 1973 program of \$4 million is planned for technical assistance and highway improvements.

## Object Classification (in thousands of dollars)

Identification code 21-25-0556-0-1-503	1971 actual	1972 est.	1973 est.
<b>11.1 Personnel compensation: Permanent positions.....</b>			
82.....		82	110
<b>12.1 Personnel benefits: Civilian.....</b>			
17.....		17	10
<b>21.0 Travel and transportation of persons.....</b>			
20.....		20	10
<b>22.0 Transportation of things.....</b>			
11.....		11	
<b>23.0 Rent, communications, and utilities.....</b>			
2.....		2	2
<b>25.0 Other services.....</b>			
33.....		33	33
<b>26.0 Supplies and materials.....</b>			
1.....		1	1
<b>31.0 Equipment.....</b>			
3.....		3	3
<b>41.0 Grants, subsidies, and contributions.....</b>			
3,831.....		3,831	3,831
99.0 Total obligations.....		4,000	4,000

## Personnel Summary

Total number of permanent positions.....	0	4	4
Average paid employment.....	0	3	4
Average GS grade.....		14.5	14.5
Average GS salary.....		\$22,533	\$22,533

## DARIEN GAP HIGHWAY

For necessary expenses for construction of the Darien Gap Highway in accordance with the provisions of section 216 of title 23 of the United States Code, [“\$15,000,000”] including the purchase of not to exceed two passenger motor vehicles, \$30,000,000, to remain available until expended. (*Federal-Aid Highway Act of 1970, 84 Stat. 1721, 1722; Department of Transportation and Related Agencies Appropriation Act, 1972.*)

## Program and Financing (in thousands of dollars)

Identification code 21-25-0553-0-1-152	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Design and construction.....		3,700	7,500
2. Administration.....		300	500
Total program costs, funded.....		4,000	8,000
Change in selected resources <sup>1</sup> .....	4,700	11,300	22,000
10 Total obligations.....	4,700	15,300	30,000
<b>Financing:</b>			
21 Unobligated balance available, start of year.....		-300	
24 Unobligated balance available, end of year.....	300		
40 Budget authority (appropriation).....	5,000	15,000	30,000
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	4,700	15,300	30,000
72 Obligated balance, start of year.....		4,700	16,000
74 Obligated balance, end of year.....	-4,700	-16,000	-38,000
90 Outlays.....		4,000	8,000

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$0; 1971, \$4,700 thousand; 1972, \$16,000 thousand; 1973, \$38,000 thousand.



The United States, in cooperation with the Republic of Panama and the Government of Colombia, will participate in the construction of approximately 250 miles of highway through the Darien Gap.

It is estimated that the total cost of the highway will be \$150 million, with the United States participating up to \$100 million and the remaining \$50 million being supplied by Colombia and Panama. Completion of the highway will take 8 years; however, it is contemplated that a passable all-weather gravel surface will be in use by 1977.

This highway will connect the Inter-American Highway of Central America with the Pan-American Highway System of South America, creating a single, cohesive network stretching from Alaska to every South American country.

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

Identification code 21-25-0553-0-1-152	1971 actual	1972 est.	1973 est.
11.1 Personnel compensation: Permanent positions.....		162	345
12.1 Personnel benefits: Civilian.....		58	35
21.0 Travel and transportation of persons.....		20	45
22.0 Transportation of things.....		3	5
23.0 Rent, communications, and utilities.....		10	20
25.0 Other services.....		5	5
26.0 Supplies and materials.....		5	5
31.0 Equipment.....		37	40
32.0 Lands and structures.....	4,700	15,000	29,500
99.0 Total obligations.....	4,700	15,300	30,000

**Personnel Summary**

Total number of permanent positions.....	25	25	25
Average paid employment.....	0	12	25
Average GS grade.....	8.6	8.6	8.6
Average GS salary.....	\$11,998	\$11,998	\$11,998

**FOREST HIGHWAYS (LIQUIDATION OF CONTRACT AUTHORIZATION)**

For payment of obligations incurred in carrying out the provisions of title 23, United States Code, section 204, pursuant to contract authorization granted by title 23, United States Code, section 203, to remain available until expended \$25,000,000, of which \$10,000,000 shall be derived from the highway trust fund \$23,000,000.

[For an additional amount for "Forest highways (Liquidation of contract authorization)", \$10,000,000, to remain available until expended.] (Federal-Aid Highway Act of 1970, 84 Stat. 1715; Department of Transportation and Related Agencies Appropriation Act, 1972; Supplemental Appropriations Act, 1972.)

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

Identification code 21-25-0531-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Direct program:			
1. Construction.....	18,498	21,980	21,980
2. Administration.....	738	920	920
3. Forest Service Administration.....	100	100	100
Total, direct program costs, funded.....	19,336	23,000	23,000
Reimbursable program:			
1. Construction.....	3,403	3,000	3,600
Total program costs, funded.....	22,739	26,000	26,600
Change in selected resources <sup>1</sup> .....	8,193	-3,122	-4,560
10 Total obligations.....	30,933	22,878	22,040
<b>Financing:</b>			
Receipts and reimbursements from:			
11 Federal funds.....	-2,816	-2,482	-2,482
13 Trust funds.....	-400	-353	-953
14 Non-Federal sources <sup>2</sup> .....	-188	-165	-165

21.49 Unobligated balance available, start of year: Contract authority.....	-65,848	-38,318	-18,440
24.49 Unobligated balance available, end of year: Contract authority.....	38,318	18,440	-----
<b>Budget authority.....</b>	-----	-----	-----
<b>Budget authority:</b>			
40 Appropriation.....	17,500	25,000	23,000
40.49 Appropriation to liquidate contract authority.....	-17,500	-25,000	-23,000
43 <b>Appropriation (adjusted).....</b>	-----	-----	-----
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	27,529	19,878	18,440
Obligated balance, start of year:			
72.40 Appropriation.....	1,208	505	2,505
72.49 Contract authority.....	20,102	30,132	25,010
Obligated balance, end of year:			
74.40 Appropriation.....	-505	-2,505	-3,005
74.49 Contract authority.....	-30,132	-25,010	-20,450
90 Outlays.....	18,204	23,000	22,500

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$18,545 thousand; 1971, \$26,738 thousand; 1972, \$23,616 thousand; 1973, \$19,056 thousand.

<sup>2</sup> Reimbursements from non-Federal sources are derived from State agencies (23 U.S.C. 308 (a-b)).

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

	1971 actual	1972 est.	1973 est.
Unfunded balance, start of year.....	85,950	68,450	43,450
Unfunded balance, end of year.....	-68,450	-43,450	-20,450
<b>Appropriation to liquidate contract authority.....</b>	17,500	25,000	23,000

Main highways within or adjacent to national forests are constructed and improved with these funds. The Federal-Aid Highway Act of 1970 provided that contract authority for future use be financed from the Highway trust fund.

A total of \$18,440 thousand of general fund authorizations from 1971 remain available for use in 1973. These balances will be used first in the 1973 program, prior to the utilization of the new trust authority provided in the 1970 act. Beginning in 1974, this program will operate entirely with Highway trust fund authority.

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

Identification code 21-25-0531-0-1-503	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	6,194	6,231	6,153
11.3 Positions other than permanent.....	62	63	66
11.5 Other personnel compensation.....	40	40	42
Total personnel compensation.....	6,295	6,334	6,261
<b>Direct program:</b>			
Personnel compensation.....	4,432	4,534	4,211
12.1 Personnel benefits: Civilian.....	237	248	235
21.0 Travel and transportation of persons.....	408	408	408
22.0 Transportation of things.....	88	88	88
23.0 Rent, communications, and utilities.....	63	63	63
24.0 Printing and reproduction.....	9	9	9
25.0 Other services.....	416	416	416
26.0 Supplies and materials.....	253	253	253
31.0 Equipment.....	205	205	205
41.0 Grants, subsidies, and contributions.....	21,413	13,654	12,552
42.0 Insurance claims and indemnities.....	5	-----	-----
<b>Total direct obligations.....</b>	27,529	19,878	18,440

## General and special funds—Continued

## FOREST HIGHWAYS (LIQUIDATION OF CONTRACT AUTHORIZATION)—Continued

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

Identification code 21-25-0531-0-1-503	1971 actual	1972 est.	1973 est.
Reimbursable program:			
12.1 Personnel compensation.....	1,863	1,800	2,159
13.0 Personnel benefits: Civilian.....	98	96	116
21.0 Benefits for former personnel.....	13		
22.0 Travel and transportation of persons.....	362	325	416
23.0 Transportation of things.....	78	60	73
24.0 Rent, communications, and utilities.....	56	56	64
25.0 Printing and reproduction.....	8	3	4
26.0 Other services.....	518	390	497
27.0 Supplies and materials.....	225	120	121
31.0 Equipment.....	182	150	150
Total reimbursable obligations.....	3,403	3,000	3,600
99.0 Total obligations.....	30,933	22,878	22,040

## Personnel Summary

Total number of permanent positions.....	428	428	410
Full-time equivalent of other positions.....	57	57	62
Average paid employment.....	482	475	472
Average GS grade.....	7.5	7.5	7.5
Average GS salary.....	\$10,846	\$10,970	\$11,084

## PUBLIC LANDS HIGHWAYS (LIQUIDATION OF CONTRACT AUTHORIZATION) [(TRUST FUND)]

For payment of obligations incurred in carrying out the provisions of title 23, United States Code, section 209, pursuant to the contract authorization granted by title 23, United States Code, section 203, [§5,000,000] \$16,000,000, to remain available until expended, and to be derived from the "Highway Trust Fund". (Federal-Aid Highway Act of 1968, 82 Stat. 816; Department of Transportation and Related Agencies Appropriation Act, 1972.)

## Program and Financing (in thousands of dollars)

Identification code 21-25-0526-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Construction.....	4,972	9,795	15,360
2. Administration.....	197	450	640
Total program costs, funded.....	5,169	10,245	16,000
Change in selected resources <sup>1</sup> .....	7,767	-245	-4,000
10 Total obligations.....	12,936	10,000	12,000
<b>Financing:</b>			
21.49 Unobligated balance available, start of year: Contract authority.....	-39,637	-26,700	-16,000
24.49 Unobligated balance available, end of year: Contract authority.....	26,700	16,000	
25.49 Unobligated balance lapsing: Contract authority.....		700	4,000
<b>Budget authority</b> .....			
Budget authority:			
40 Appropriation.....	14,000		16,000
40.49 Appropriation to liquidate contract authority.....	-14,000		-16,000
43 Appropriation (adjusted).....			

## Relation of obligations to outlays:

71 Obligations incurred, net.....	12,936	10,000	12,000
Obligated balance, start of year:			
72.40 Appropriation.....	2,358	11,245	
72.49 Contract authority.....	6,663	5,600	15,600
Obligated balance, end of year:			
74.40 Appropriation.....	-11,245		
74.49 Contract authority.....	-5,600	-15,600	-11,600
90 Outlays.....	5,113	11,245	16,000

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$8,401 thousand; 1971, \$16,168 thousand; 1972, \$15,923 thousand; 1973, \$11,923 thousand.

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

	1971 actual	1972 est.	1973 est.
Unfunded balance, start of year.....	46,300	32,300	31,600
Unobligated balance of contract authority lapsing.....		-700	-4,000
Unfunded balance, end of year.....	-32,300	-31,600	-11,600
Appropriation to liquidate contract authority.....	14,000		16,000

Highways are constructed and improved with these funds through public lands in those States having large areas of such lands. The Federal-Aid Highway Act of 1970 provided that contract authority for future use be financed from the Highway trust fund.

A total of \$16 million of general fund authorizations for 1971 remain available for use in 1973. A \$12 million program is planned for 1973, providing a \$2 million increase over 1972. The \$4 million unobligated balance of the 1971 authorization will lapse at the end of 1973. Beginning in 1974, this program will operate entirely with trust fund authority.

## Object Classification (in thousands of dollars)

Identification code 21-25-0526-0-1-503	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	205	248	260
11.3 Positions other than permanent.....	12	13	13
11.5 Other personnel compensation.....	8	8	8
Total personnel compensation.....	225	269	281
12.1 Personnel benefits: Civilian.....	15	19	20
21.0 Travel and transportation of persons.....	33	35	35
22.0 Transportation of things.....	19	20	20
23.0 Rent, communications, and utilities.....	5	5	5
24.0 Printing and reproduction.....	1	1	1
25.0 Other services.....	251	504	854
26.0 Supplies and materials.....	4	4	4
41.0 Grants, subsidies, and contributions.....	12,383	9,143	10,780
99.0 Total obligations.....	12,936	10,000	12,000

## Personnel Summary

Total number of permanent positions.....	23	23	23
Full-time equivalent of other positions.....	2	2	2
Average paid employment.....	22	25	25
Average GS grade.....	7.5	7.5	7.5
Average GS salary.....	\$10,846	\$10,970	\$11,084

## FEDERAL HIGHWAY ADMINISTRATION MISCELLANEOUS ACCOUNTS

## Program and Financing (in thousands of dollars)

Identification code 21-25-9999-0-1-999	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Direct program:			
1. Inter-American Highway .....	1,473	5,528	1,449
2. Alaska assistance .....	3,608	1,954	
3. Chamizal Memorial Highway .....	787	4,488	1,993
Total program costs, funded .....	5,868	11,970	3,442
Change in selected resources <sup>1</sup> .....	-1,247	-8,393	-3,083
10 Total obligations .....	4,620	3,577	359
<b>Financing:</b>			
21 Unobligated balance available, start of year .....	-8,821	-3,935	-359
24 Unobligated balance available, end of year .....	3,935	359	
25 Unobligated balance lapsing .....	265		
<b>Budget authority</b> .....			
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net .....	4,620	3,577	359
72 Obligated balance, start of year .....	14,596	13,299	4,906
74 Obligated balance, end of year .....	-13,299	-4,906	-1,822
90 Outlays .....	5,918	11,970	3,442
<b>Distribution of outlays by account:</b>			
Inter-American Highway .....	2,357	5,528	1,449
Alaska assistance .....	3,020	1,954	
Chamizal Memorial Highway .....	541	4,488	1,993

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders 1970, \$14,432 thousand; 1971, \$13,185 thousand; 1972, \$4,792 thousand; 1973, \$1,709 thousand.

This account includes completion of work on the Inter-American Highway as authorized by the Federal-Aid Highway Act of 1962 (76 Stat. 1146); the Alaska assistance program authorized by the Federal-Aid Highway Act of 1966 (80 Stat. 768); and the Chamizal Memorial Highway program authorized by Public Law 89-795 of November 8, 1966. Funds for these programs were appropriated in prior years. No new funds are being requested for 1973.

## Object Classification (in thousands of dollars)

Identification code 21-25-9999-0-1-999	1971 actual	1972 est.	1973 est.
<b>FEDERAL HIGHWAY ADMINISTRATION</b>			
Direct program:			
Personnel compensation:			
11.1 Permanent positions .....	176	106	
11.5 Other personnel compensation .....	1		
Total personnel compensation .....	178	106	
12.1 Personnel benefits: Civilian .....	23	1	
21.0 Travel and transportation of persons .....	8	9	
22.0 Transportation of things .....	4	3	
23.0 Rent, communications, and utilities .....	7	3	
25.0 Other services .....	29	9	
26.0 Supplies and materials .....	2	1	
31.0 Equipment .....	3		
32.0 Lands and structures .....	4,085	3,164	284
Total obligations, Federal Highway Administration .....	4,339	3,296	284

## ALLOCATION TO DEPARTMENT OF STATE, INTERNATIONAL BOUNDARY AND WATER COMMISSION

<b>Personnel compensation:</b>			
11.1 Permanent positions .....	40	40	20
11.3 Positions other than permanent .....	1	1	1
Total personnel compensation .....	41	41	21
12.1 Personnel benefits: Civilian .....	3	3	2
21.0 Travel and transportation of persons .....	1	1	1
23.0 Rent, communications, and utilities .....	2	2	1
24.0 Printing and reproduction .....	1	1	
25.0 Other services .....	1	1	1
32.0 Lands and structures .....	232	231	49
Total obligations, Allocation to Department of State, International Boundary and Water Commission .....	282	281	75
99.0 Total obligations .....	4,620	3,577	359

## Personnel Summary

<b>FEDERAL HIGHWAY ADMINISTRATION</b>			
Total number of permanent positions .....	25	0	
Average paid employment .....	21	12	
Average GS grade .....	10.1		
Average GS salary .....	\$17,106		

## ALLOCATION TO DEPARTMENT OF STATE, INTERNATIONAL BOUNDARY AND WATER COMMISSION

Total number of permanent positions .....	3	3	2
Average paid employment .....	2	2	1
Average grade, grades established by the Secretary of State, equivalent to GS grades .....	13.0	13.0	13.0
Average salary, grades established by the Secretary of State, equivalent to GS grades .....	\$19,870	\$20,250	\$20,250

## ALLOCATIONS RECEIVED FROM OTHER ACCOUNTS

Note.—Obligations incurred under allocations from other accounts are included in the schedules of parent appropriations as follows:

Department of Transportation:  
Federal Aviation Administration, "Construction, National Capital Airports."  
Federal Railroad Administration, "High Speed Ground Transportation, Research and Development."  
Urban Mass Transportation Administration, "Urban Mass Transportation Fund."  
Appalachian Regional Commission: "Appalachian regional development program."  
Department of Agriculture: Forest Service, "Forest roads and trails (liquidation of contract authority)."  
Department of Commerce: "Development facilities, economic development assistance."  
Department of Defense—Military:  
Military construction—Navy.  
Military construction—Naval Reserve.  
Military construction—Army.  
Operation and maintenance—Air Force.  
Military construction—Air Force.  
Department of the Interior:  
Bureau of Land Management:  
"Oregon and California Grant Lands."  
"Expenses, Public Lands Administration Act."  
"Public Lands Development, Roads and Trails."  
Bureau of Indian Affairs, "Road construction (Liquidation of contract authority)."  
National Park Service, "Parkway and road construction (Liquidation of contract authority)."  
Bureau of Reclamation, "Construction of recreational and fish and wildlife facilities."  
Bureau of Sport Fisheries and Wildlife:  
"Construction of recreational and fish and wildlife facilities."  
"Construction, Bureau of Sport Fisheries and Wildlife."  
National Aeronautics and Space Administration, "Construction of facilities."

**Intragovernmental funds:****ADVANCES AND REIMBURSEMENTS****Program and Financing (in thousands of dollars)**

Identification code 21-25-3902-0-4-503	1971 actual	1972 est.	1973 est.
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....			
72 Obligated balance, start of year.....	7	6	5
74 Obligated balance, end of year.....	-6	-5	-4
90 Outlays.....	1	1	1

**Trust Funds****FEDERAL-AID HIGHWAYS (TRUST FUND)**

For carrying out the provisions of title 23, United States Code, which are attributable to Federal-aid highways, not otherwise provided, including reimbursement for sums expended pursuant to the provisions of section 2 of the Pacific Northwest Disaster Relief Act of 1965 (79 Stat. 131), reimbursement for sums expended pursuant to the provisions of section 21 of the Alaska Omnibus Act, as amended (78 Stat. 505), **[\$4,662,093,000]** \$4,898,000,000, or so much thereof as may be available in and derived from the "Highway trust fund", to remain available until expended. (*Federal-Aid Highway Act of 1970, 84 Stat. 1714, 1715, 1716; Department of Transportation and Related Agencies Appropriation Act, 1972.*)

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

Identification code 21-25-8102-0-7-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
<b>Direct program:</b>			
1. The National System—Interstate Highways.....	3,308,379	3,200,000	2,800,000
2. The State network:			
(a) Primary system.....	465,253	463,500	360,000
(b) Secondary system.....	285,853	317,800	290,000
(c) Primary and secondary in rural areas.....	73,208	50,000	
3. The urban systems:			
(a) Urban extension highways.....	253,830	325,000	240,000
(b) Urban system.....		50,000	140,000
(c) Traffic operations in urban areas (TOPICS) program.....	11,285	250,000	265,000
4. Safety programs: Bridge replacement.....		57,863	57,446
5. Other programs:			
(a) Economic growth center highways.....		10,000	
(b) Emergency relief.....	52,895	80,000	80,000
(c) Grants for planning and research.....	86,589	80,000	67,000
(d) Bridges over dams.....		3,800	
6. Administration.....	81,903	92,334	100,554
Total direct program costs, funded.....	4,619,196	4,980,297	4,400,000
<b>Reimbursable program:</b>			
1. Grants for construction.....	6,555	17,000	17,000
2. Administration and research:			
Department of Agriculture.....	38		
Department of Defense.....	213		
Department of the Interior.....	625		
Department of Transportation:	1,179		
Federal Highway Administration:			
Forest highways.....	746		
Public lands highways.....	197		
Miscellaneous:			
Other Federal agencies.....	60		
Non-Federal sources.....	22		
Total reimbursable program costs.....	9,633	17,000	17,000
Total program costs, funded.....	4,628,829	4,997,297	4,417,000
Change in selected resources <sup>1</sup> .....	-7,464		
10 Total obligations.....	4,621,365	4,997,297	4,417,000
<b>Financing:</b>			
<b>Receipts and reimbursements from:</b>			
11 Federal funds.....	-9,861	-16,990	-16,990
14 Non-Federal sources (23 U.S.C. 308(a-b)).....	-9	-10	-10
21.49 Unobligated balance available, start of year: Contract authority.....	-4,879,096	-5,870,798	-6,590,501
24.49 Unobligated balance available, end of year: Contract authority.....	5,870,798	6,590,501	7,940,501
25.49 Unobligated balance lapsing: Contract authority.....	564		
Budget authority.....	5,603,761	5,700,000	5,750,000

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$6,841,911 thousand; 1971, \$6,834,447 thousand; 1972, \$6,834,447 thousand; 1973, \$6,834,447 thousand.

Budget authority:			
40	Appropriation	4,626,365	4,662,093
40.49	Appropriation to liquidate contract authority	—4,626,365	—4,662,093
43	Appropriation (adjusted)		
Contract authority:			
49	Current	5,603,761	1,550,000
69	Permanent		5,700,000
Relation of obligations to outlays:			
71	Obligations incurred, net	4,611,496	4,980,297
Obligated balance, start of year:			
72.40	Appropriation	52,146	26,124
72.49	Contract authority	7,434,232	7,419,363
Obligated balance, end of year:			
74.40	Appropriation	—26,124	
74.49	Contract authority	—7,419,363	—7,737,567
90	Outlays	4,652,387	4,688,217

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

	1971 actual	1972 est.	1973 est.
Unfunded balance, start of year	12,313,329	13,290,161	14,328,068
Contract authority	5,603,761	5,700,000	5,750,000
Administrative cancellation of contract authority	—564		
Unfunded balance, end of year	—13,290,161	—14,328,068	—15,180,068
Transfer from Highway trust fund to liquidate contract authority	4,626,365	4,662,093	4,898,000

Grants are made to States for construction and improvements of Federal-aid highways. Contract authorizations are provided in the Federal-Aid Highway Act of 1956 and subsequent highway legislation to cover 90% of the costs of completing the 42,500-mile National System of Interstate and Defense Highways, and to provide Federal matching funds for the primary, secondary, and urban programs under the statutory formulas. The Federal share of project costs is increased in those States with large areas of public domain. Payments to the States for work done are made out of the Highway trust fund, into which are deposited certain percentages of tax receipts on motor fuel, tires and tubes, tread rubber, trucks, buses, trailers, truck use, truck parts and accessories, and on lubricating oil used in highway vehicles.

The Federal-Aid Highway Act of 1970 provided contract authorizations of \$4 billion for each of the years 1974, 1975, and 1976 for the continued construction of the Interstate Highway System. The act provided for each of the years 1972 and 1973, \$1.1 billion to continue the Federal-aid primary, secondary, and urban programs; \$100 million for the new Federal-aid urban system; \$100 million to continue traffic operations projects in urban areas (TOPICS); \$125 million for the Federal-aid primary and secondary systems in rural areas; and \$50 million for a new program of economic growth center development highways. Additional interstate contract authorizations of \$55 million in each of the years 1972 and 1973 were provided to insure that each State receives at least one-

half of 1% of apportioned interstate funds. These contract authorizations are available for obligation in the fiscal year preceding the year for which authorized.

The act further provided contract authorizations of \$100 million in 1972 and \$150 million in 1973 to initiate a special bridge replacement program. These contract authorizations are available in the year authorized.

A Federal-Aid Highway Act of 1972 will be proposed to provide contract authorities for 1974 (some of which are available 1 year in advance) for carrying on programs other than the Interstate System which already has 1974 authority.

The 1972 cost estimate to complete the Interstate System is \$68.3 billion, which is \$5.8 billion more than previously estimated. Congress approved contract authorizations through 1976 providing an additional \$9.775 billion of the previous increase in the 1970 act. Congress also provided an extension of the termination date of the Highway trust fund and revenues to September 30, 1977.

As of October 1, 1971, 32,392 miles of the 42,500-mile Interstate System were open to traffic. Most of the mileage, exclusive of toll roads, was built or improved under the Federal-aid interstate program, under the 90% Federal, 10% State matching program launched in 1956. Toll roads, bridges, and tunnels incorporated in the system totaled 2,305 miles. In addition to the sections open to traffic, 4,115 miles were under construction with interstate funds, and engineering or right-of-way acquisition was in progress on another 4,386 miles. Thus, some form of work was underway or completed on 40,893 miles of the 42,500-mile system—about 96% of the total system mileage.

Construction projects involving 250,471 miles in the regular Federal-aid program (primary, secondary, and urban) have been completed since July 1, 1956, at a total cost of \$23.74 billion, and contracts involving an additional 14,326 miles at a cost of \$4.58 billion were authorized or underway on July 1, 1971. In addition, \$1.88 billion of engineering and right-of-way acquisition work had been completed, and \$952 million was underway.

Actual and estimated progress of Federal-aid programs is summarized in the following table:

## FEDERAL-AID HIGHWAYS (TRUST FUND)—Continued

## PAYMENTS UNDER CONTRACT AUTHORITY

[Dollars in thousands]

Fiscal year:	Contract authority <sup>1</sup>	Unobligated contract authority, end of year	Federal payments	Projects approved		
				Number	Total cost	Federal share
1956.....	\$2,000,000	\$1,939,326	\$730,343	6,650	\$1,695,808	\$885,000
1957.....	2,550,000	2,268,148	965,507	7,966	3,361,000	2,212,000
1958.....	3,590,000	2,918,432	1,511,396	9,490	4,128,000	2,914,000
1959.....	3,400,000	2,805,112	2,612,576	11,590	4,656,000	3,479,000
1960.....	2,876,613	3,072,783	2,940,251	9,682	3,668,000	2,580,000
1961.....	2,874,338	2,766,616	2,619,170	9,499	4,279,000	3,151,000
1962.....	3,325,003	3,069,056	2,783,864	9,053	4,062,000	2,990,000
1963.....	3,550,000	2,695,390	3,016,701	9,201	4,986,000	3,889,000
1964.....	3,675,000	2,231,716	3,643,648	9,252	5,459,000	4,098,000
1965.....	3,800,000	2,106,298	4,025,484	7,839	5,092,000	3,893,000
1966.....	4,000,000	2,081,310	3,965,399	6,187	5,038,509	3,977,000
1967.....	4,400,000	2,738,258	3,973,356	6,106	4,950,000	3,720,000
1968.....	4,800,000	3,355,271	4,171,106	6,327	5,595,000	4,169,000
1969.....	5,425,000	4,164,261	4,150,558	5,885	6,029,000	4,575,000
1970.....	5,425,000	4,879,096	4,375,173	6,110	6,199,000	4,601,000
1971.....	5,553,761	5,870,798	4,652,387	5,860	5,981,000	4,494,000
1972.....	5,650,000	6,590,501	4,688,217	6,709	6,554,000	4,726,000
1973.....	5,700,000	7,940,501	4,898,000	5,500	6,020,000	4,220,000

<sup>1</sup> Annual authority becomes available for obligations not later than January 1 in the preceding year and are shown in the year in which they become available. Amounts exclude contract authorities for emergency relief.

## Object Classification (in thousands of dollars)

Identification code 21-25-8102-0-7-503	1971 actual	1972 est.	1973 est.
<b>FEDERAL HIGHWAY ADMINISTRATION</b>			
Personnel compensation:			
11.1 Permanent positions.....	1,378	1,540	1,539
11.3 Positions other than permanent.....	45	47	21
11.5 Other personnel compensation.....	147	182	155
Total personnel compensation.....	1,570	1,769	1,715
Direct obligations:			
Personnel compensation.....	274	359	-----
12.1 Personnel benefits: Civilian.....	32	34	-----
21.0 Travel and transportation of persons.....	91	91	-----
22.0 Transportation of things.....	13	13	-----
23.0 Rent, communications, and utilities.....	8	8	-----
24.0 Printing and reproduction.....	1	1	-----
25.0 Other services.....	102	102	-----
Payment to Forest highways.....	-----	-----	600
Payment to salaries and expenses.....	88,277	92,334	100,554
26.0 Supplies and materials.....	1	1	-----
41.0 Grants, subsidies, and contributions.....	4,513,519	4,871,544	4,296,063
Total direct obligations.....	4,602,318	4,964,487	4,397,217
Reimbursable obligations:			
Personnel compensation.....	1,296	1,410	1,715
12.1 Personnel benefits: Civilian.....	150	164	214
21.0 Travel and transportation of persons.....	99	100	100
22.0 Transportation of things.....	79	80	80
23.0 Rent, communications, and utilities.....	841	850	850
25.0 Other services.....	2,199	280	280
26.0 Supplies and materials.....	913	915	915
31.0 Equipment.....	4,291	13,201	12,846
42.0 Insurance claims and indemnities.....	1	-----	-----
Total reimbursable obligations.....	9,869	17,000	17,000
Total obligations, Federal Highway Administration.....	4,612,187	4,981,487	4,414,217
<b>ALLOCATION ACCOUNTS</b>			
Personnel compensation:			
11.1 Permanent positions.....	1,770	2,718	555
11.3 Positions other than permanent.....	1,025	2,159	388
11.5 Other personnel compensation.....	254	434	95
Total personnel compensation.....	3,049	5,311	1,038

12.1 Personnel benefits: Civilian.....	229	402	79
21.0 Travel and transportation of persons.....	128	210	34
22.0 Transportation of things.....	359	488	104
23.0 Rent, communications, and utilities.....	257	380	71
24.0 Printing and reproduction.....	11	14	-----
25.0 Other services.....	2,401	5,316	661
26.0 Supplies and materials.....	491	891	134
31.0 Equipment.....	47	83	9
32.0 Lands and structures.....	2,206	2,730	656
42.0 Insurance claims and indemnities.....	10	-----	-----
Subtotal.....	9,188	15,825	2,786
95.0 Quarters and subsistence charges.....	-10	-15	-3
Total obligations, allocation accounts.....	9,178	15,810	2,783
99.0 Total obligations.....	4,621,365	4,997,297	4,417,000
Obligations are distributed as follows:			
Transportation, Federal Highway Administration.....	4,612,187	4,981,487	4,414,217
Interior, Bureau of Indian Affairs.....	223	721	-----
Agriculture, Forest Service.....	8,955	15,089	2,783

## Personnel Summary

<b>FEDERAL HIGHWAY ADMINISTRATION</b>			
Total number of permanent positions.....	27	27	-----
Full-time equivalent of other positions.....	5	5	-----
Average paid employment.....	28	32	-----
Average GS grade.....	7.5	7.5	-----
Average GS salary.....	\$10,846	\$10,970	-----
<b>REIMBURSABLE</b>			
Total number of permanent positions.....	141	141	141
Full-time equivalent of other positions.....	2	2	2
Average paid employment.....	98	102	132
Average GS grade.....	8.1	8.1	8.1
Average GS salary.....	\$11,098	\$11,433	\$11,566
<b>ALLOCATION ACCOUNTS</b>			
Total number of permanent positions.....	169	255	52
Full-time equivalent of other positions.....	150	330	57
Average paid employment.....	315	578	108
Average GS grade.....	8.4	8.4	8.4
Average GS salary.....	\$11,740	\$12,045	\$12,110

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

For payment of obligations incurred in carrying out the provisions of title 23, United States Code, section 108(c), as authorized by section 7(c) of the Federal-Aid Highway Act of 1968, [\$25,000,000] \$45,000,000, to remain available until expended, and to be derived from the "Highway trust fund" at such times and in such amounts as may be necessary to meet current withdrawals. (Federal-Aid Highway Act of 1968, 82 Stat. 819; Department of Transportation and Related Agencies Appropriation Act, 1972.)

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

Identification code 21-25-8402-0-8-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Advance acquisitions of right-of-way (program costs, funded).....	32,961	51,000	55,000
Change in selected resources <sup>1</sup> .....	17,039	-1,000	-5,000
<b>10 Total obligations (object class 33.0).....</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>
<b>Financing:</b>			
Unobligated balance available, start of year:			
21.40 Appropriation.....	-9,000		
21.49 Contract authority.....	-160,000	-219,000	-169,000
Unobligated balance available, end of year:			
24.49 Contract authority.....	219,000	169,000	119,000
<b>Budget authority.....</b>	<b>100,000</b>		
<b>Budget authority:</b>			
40 Appropriation.....	35,000	25,000	45,000
40.49 Appropriation to liquidate contract authority.....	-35,000	-25,000	-45,000
<b>43 Appropriation (adjusted).....</b>			
<b>69 Contract authority (permanent) (82 Stat. 819).....</b>	<b>100,000</b>		
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	50,000	50,000	50,000
Obligated balance, start of year:			
72.40 Appropriation.....	27,921	38,960	12,960
72.49 Contract authority.....		6,000	31,000
Obligated balance, end of year:			
74.40 Appropriation.....	-38,960	-12,960	-2,960
74.49 Contract authority.....	-6,000	-31,000	-36,000
<b>90 Outlays.....</b>	<b>32,961</b>	<b>51,000</b>	<b>55,000</b>

<sup>1</sup> Balances of selected resources are identified on the statement of financial condition.

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

Unfunded balance, start of year.....	160,000	225,000	200,000
Contract authority.....	100,000		
Unfunded balance, end of year.....	-225,000	-200,000	-155,000
Appropriation from the Highway trust fund to liquidate contract authority.....	35,000	25,000	45,000

The Federal-Aid Highway Act of 1968 provided for the establishment of a right-of-way revolving fund to provide interest-free loans for the advance acquisition of rights-of-way by the States and payment of relocation expenses including the State share of the cost. Upon construction of the highway project, the advance for right-of-way

acquisition and relocation expenses is repaid to the revolving fund.

Contract authority totaling \$300 million was authorized from the Highway trust fund. In 1973, additional obligations of \$50 million will be made to the States from unused contract authority balances.

**Financial Condition (in thousands of dollars)**

	1970 actual	1971 actual	1972 est.	1973 est.
<b>Assets:</b>				
Drawing account with Treasury.....	2	1,430		
Advances (loans).....	3,079	36,040	87,040	142,040
Due from Highway trust fund.....	36,919	37,530	12,960	2,960
<b>Total assets.....</b>	<b>40,000</b>	<b>75,000</b>	<b>100,000</b>	<b>145,000</b>
<b>Government equity:</b>				
Non-interest-bearing capital:				
Undisbursed loan obligations <sup>1</sup> .....	27,921	44,960	43,960	38,960
Unobligated balance.....	169,000	219,000	169,000	119,000
Invested capital.....	3,079	36,040	87,040	142,040
<b>Subtotal.....</b>	<b>200,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>
Undrawn authority.....	-160,000	-225,000	-200,000	-155,000
<b>Total Government equity.....</b>	<b>40,000</b>	<b>75,000</b>	<b>100,000</b>	<b>145,000</b>

<sup>1</sup> The "Change in selected resources" entry on the program and financing schedule relates to this item.

**Analysis of Changes in Government Equity (in thousands of dollars)**

	1971 actual	1972 est.	1973 est.
<b>Non-interest-bearing capital:</b>			
Start of year.....	40,000	75,000	100,000
Appropriation.....	35,000	25,000	45,000
<b>Total Government equity (end of year).....</b>	<b>75,000</b>	<b>100,000</b>	<b>145,000</b>

**FOREST HIGHWAYS (LIQUIDATION OF CONTRACT AUTHORIZATION) (TRUST FUND)****Program and Financing (in thousands of dollars)**

Identification code 21-25-8065-0-7-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Construction (program costs, funded).....			500
Change in selected resources <sup>1</sup> .....			1,060
<b>10 Total obligations (object class 41.0).....</b>			<b>1,560</b>
<b>Financing:</b>			
Unobligated balance available, start of year:			
21.40 Appropriation.....			-10,000
21.49 Contract authority.....		-33,000	-56,000
Unobligated balance available, end of year:			
24.40 Appropriation.....		10,000	8,440
24.49 Contract authority.....	33,000	56,000	89,000
<b>Budget authority.....</b>	<b>33,000</b>	<b>33,000</b>	<b>33,000</b>

FOREST HIGHWAYS (LIQUIDATION OF CONTRACT AUTHORIZATION)  
(TRUST FUND)—Continued

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

Identification code 21-25-8065-0-7-503	1971 actual	1972 est.	1973 est.
Budget authority:			
40 Appropriation.....		10,000	
40.49 Appropriation to liquidate contract authority.....		-10,000	
43 Appropriation (adjusted).....			
Contract authority:			
49 Current (84 Stat. 1715).....	33,000		33,000
69 Permanent (84 Stat. 1715).....		33,000	
Relation of obligations to outlays:			
71 Obligations incurred, net.....			1,560
74.40 Obligated balance, end of year:			
Appropriation.....			-1,060
90 Outlays.....			500

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1972, \$0; 1973, \$1,060 thousand.

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

	1971 actual	1972 est.	1973 est.
Unfunded balance, start of year.....		33,000	56,000
Contract authority.....	33,000	33,000	33,000
Unfunded balance, end of year.....	-33,000	-56,000	-89,000
Appropriation from the Highway trust fund to liquidate contract authority.....		10,000	

Contract authorizations were made available by the Federal-Aid Highway Act of 1970 for each of the years 1972 and 1973, in the amount of \$33 million from the Highway trust fund. Contract authority is available 1 year in advance of the year for which authorized. The proposed Federal-Aid Highway Act of 1972 will request an additional \$33 million of new contract authority for use in future years.

This amount of \$1,560 thousand together with \$18,440 thousand of general fund authority, will provide a program level of \$20 million in 1973.

No liquidating cash appropriation is requested for 1973. By the end of 1973, all prior General fund authority will have been obligated and use of trust fund authority will begin.

## PUBLIC LANDS HIGHWAYS (LIQUIDATION OF CONTRACT AUTHORIZATION) (TRUST FUND)

## Program and Financing (in thousands of dollars)

Identification code 21-25-8066-0-7-503	1971 actual	1972 est.	1973 est.
Financing:			
Unobligated balance available, start of year:			
21.40 Appropriation.....			-5,000
21.49 Contract authority.....		-16,000	-27,000
Unobligated balance available, end of year:			
24.40 Appropriation.....		5,000	5,000
24.49 Contract authority.....	16,000	27,000	43,000
Budget authority.....	16,000	16,000	16,000
Budget authority:			
40 Appropriation.....		5,000	
40.49 Appropriation to liquidate contract authority.....		-5,000	
43 Appropriation (adjusted).....			

## Contract authority:

49 Current (84 Stat. 1715).....	16,000	16,000
69 Permanent (84 Stat. 1715).....	16,000	

## Relation of obligations to outlays:

71 Obligations incurred, net.....		
90 Outlays.....		

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

Unfunded balance, start of year.....	16,000	27,000
Contract authority.....	16,000	16,000
Unfunded balance, end of year.....	-16,000	-27,000

## Appropriation from the Highway trust fund to liquidate contract authority.....

5,000

Contract authorizations were made available by the Federal-Aid Highway Act of 1970 for each of the years 1972 and 1973 in the amount of \$16 million from the Highway trust fund. Contract authority is available 1 year in advance of the year for which authorized. The proposed Federal-Aid Highway Act of 1972 will request an additional \$16 million of new contract authority for use in future years.

In 1973, the program will continue to operate on prior year balances of contract authority provided in the General fund.

## [BALTIMORE-WASHINGTON PARKWAY TRUST FUND]

For necessary expenses, not otherwise provided, to carry out the provisions of the Federal-Aid Highway Act of 1970, for the Baltimore-Washington Parkway, to remain available until expended \$2,500,000, to be derived from the "Highway trust fund" and to be withdrawn therefrom at such times and in such amounts as may be necessary. (Federal-Aid Highway Act of 1970, 84 Stat. 1739; Department of Transportation and Related Agencies Appropriation Act, 1972.)

## Program and Financing (in thousands of dollars)

Identification code 21-25-8014-0-7-503	1971 actual	1972 est.	1973 est.
Program by activities:			
Baltimore-Washington Parkway (program costs, funded).....		1,000	1,000
Change in selected resources <sup>1</sup> .....		1,500	-1,000
10 Total obligations (object class 32.0).....		2,500	
Financing:			
40 Budget authority (appropriation).....		2,500	
Relation of obligations to outlays:			
71 Obligations incurred, net.....		2,500	
72 Obligated balance, start of year.....			1,500
74 Obligated balance, end of year.....		-1,500	-500
90 Outlays.....		1,000	1,000

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1971, \$3; 1972, \$1,533 thousand; 1973, \$533 thousand.

The Federal-Aid Highway Act of 1970 authorized the Secretary of Transportation, the Secretary of the Interior, and the State of Maryland to enter into an agreement for reconstruction of the section of the Baltimore-Washington Parkway now under the jurisdiction of the Department of the Interior.

Some planning and design work was accomplished in 1972. No activity is planned for 1973.



## TRUST FUND SHARE OF OTHER HIGHWAY PROGRAMS

Note.—Trust fund share of accounts shown in this schedule are included in the general fund appropriation language for Salaries and expenses, Rail crossings—demonstration projects, and Highway-related safety grants.

## Program and Financing (in thousands of dollars)

Identification code 21-25-8009-0-7-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Highway safety-research, demonstration and training.....	-----	1,400	3,000
2. Rail crossings—demonstration projects.....	-----	1,500	2,000
3. Highway-related safety grants.....	-----	3,333	8,000
Total program costs, funded.....	-----	6,233	13,000
Change in selected resources <sup>1</sup> .....	-----	6,754	5,534
<b>10 Total obligations (object class 25.0).....</b>	-----	<b>12,987</b>	<b>18,534</b>
<b>Financing:</b>			
21.49 Unobligated balance available, start of year: Contract authority.....	-----	—20,000	—31,413
24.49 Unobligated balance available, end of year: Contract authority.....	20,000	31,413	42,546
<b>Budget authority.....</b>	<b>20,000</b>	<b>24,400</b>	<b>29,667</b>
<b>Budget authority:</b>			
40 Appropriation.....	-----	7,773	17,667
40.49 Appropriation to liquidate contract authority.....	-----	—3,333	—8,000
43 Appropriation (adjusted).....	-----	4,400	9,667
<b>Contract authority:</b>			
49 Current.....	20,000	-----	20,000
69 Permanent.....	-----	20,000	-----
<b>Distribution of budget authority by activity:</b>			
Highway safety research, demonstration and training.....	-----	1,400	6,667
Rail crossings—demonstration project.....	-----	3,000	3,000
Highway-related safety grants.....	20,000	20,000	20,000
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	-----	12,987	18,534
Obligated balance, start of year:	-----	-----	-----
72.40 Appropriation.....	-----	-----	1,500
72.49 Contract authority.....	-----	-----	5,254
Obligated balance, end of year:	-----	-----	-----
74.40 Appropriation.....	-----	—1,500	—6,167
74.49 Contract authority.....	-----	—5,254	—6,121
<b>90 Outlays.....</b>	-----	<b>6,233</b>	<b>13,000</b>
<b>Distribution of outlays by activity:</b>			
Highway safety research, demonstration and training.....	-----	1,400	3,000
Rail crossings—demonstration projects.....	-----	1,500	2,000
Highway-related safety grants.....	-----	3,333	8,000
<b>Status of Unfunded Contract Authority (in thousands of dollars)</b>			
Unfunded balance, start of year.....	-----	20,000	36,667
Contract authority.....	20,000	20,000	20,000
Unfunded balance, end of year.....	—20,000	—36,667	—48,667
Appropriation to liquidate contract authority.....	-----	3,333	8,000

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1971, \$0 thousand; 1972, \$6,754 thousand; 1973, \$12,288 thousand.

**Highway safety research, demonstration, and training.**—Provides \$6,667 thousand in 1973 from the Highway trust fund for the two-thirds share of the costs of highway safety research, demonstration, and training activities carried out by the Federal Highway Administration pursuant to title 23, U.S.C., section 403. This amount will reimburse the appropriation, Salaries and expenses, which provides the additional \$3,333 thousand Federal fund share of the program costs.

**Rail crossings—demonstration projects.**—Provides \$3 million in 1973 from the Highway trust fund for the Rail crossings—demonstration projects relating to the elimination of unsafe highway-railroad grade crossings along the route of the Washington, D.C., to Boston, Mass., high-speed rail demonstration project, and in the vicinity of Greenwood, S.C., when the crossing is located on any designated Federal-aid highway system. This amount will reimburse the appropriation, Rail crossings—demonstration projects, which provides for the Federal fund portion of the demonstration program.

**Highway-related safety grants.**—The Highway Safety Act of 1970 provided \$30 million of contract authority for each of the years 1972 and 1973, two-thirds of which is financed from the Highway trust fund, for grants to States and communities to implement the highway safety standards administered by the Federal Highway Administration. Additional contract authority of \$30 million, two-thirds of which is from the Highway trust fund, will be requested for 1974. Contract authority is available 1 year in advance of the year for which authorized.

From the enacted trust fund contract authority, \$8,867 thousand will be used in 1973 to reimburse the appropriation. Highway-related safety grants, for the granting of a total of \$13.3 million to the States for this program.

HIGHWAY TRUST FUND  
AMOUNTS AVAILABLE FOR APPROPRIATION  
(In thousands of dollars)

	1971 actual	1972 estimate	1973 estimate
Unexpended balance brought forward.....	2,611,611	3,651,696	4,422,711
Balance in expenditure accounts.....	—9,874	—16,828	-----
Appropriation balance.....	—79,450	—48,512	—31,431
Unappropriated balance, start of year.....	2,522,288	3,586,356	4,391,280
Receipts (net):			
Existing legislation.....	5,725,433	5,549,000	5,753,000
Proposed legislation.....	-----	-----	295,000
Total available for appropriation.....	<u>8,247,721</u>	<u>9,135,356</u>	<u>10,439,280</u>
Appropriations:			
Federal Highway Administration:			
Federal-aid highways (liquidation of contract authority).....	4,626,365	4,662,093	4,898,000
Right-of-way revolving fund (liquidation of contract authority).....	35,000	25,000	45,000
Forest highways (liquidation of contract authority).....	-----	10,000	-----
Public lands highways (liquidation of contract authority).....	-----	5,000	-----
Baltimore-Washington Parkway (trust fund).....	-----	2,500	-----
Trust fund share of other highway programs:			
Appropriation.....	-----	4,400	9,667
Liquidation of contract authority.....	-----	3,333	8,000
National Highway Traffic Safety Administration:			
Trust fund share of highway safety programs:			
Appropriation.....	-----	25,750	31,900
Liquidation of contract authority.....	-----	6,000	23,640
Total appropriations.....	<u>4,661,365</u>	<u>4,744,076</u>	<u>5,106,207</u>
Unexpended balance, end of year.....	3,651,696	4,422,711	5,447,671
Balance in expenditure accounts.....	—16,828	-----	-----
Appropriated balance.....	—48,512	—31,431	—24,598
Unappropriated balance, end of year.....	<u>3,586,356</u>	<u>4,391,280</u>	<u>5,128,073</u>

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

## HIGHWAY TRUST FUND—Continued

certain other taxes paid by highway users. The Secretary of the Treasury estimates the amounts to be so transferred. In turn, annual appropriations are authorized from this fund to meet expenditures for Federal-aid highways and other programs specified by law.

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

Unexpended balance brought forward:	1971 actual	1972 estimate	1973 estimate
U.S. securities (par)	2,601,737	3,634,868	4,420,000
Cash	9,874	16,828	2,711
Balance of fund at start of year	2,611,611	3,651,696	4,422,711
Cash income during the year:			
Governmental receipts: From excise taxes:			
Gasoline tax	3,770,421	3,790,000	3,970,000
Automobile, truck, bus, and trailer taxes	692,459	450,000	365,000
Tire, innertube, and tread rubber taxes	629,747	673,000	724,000
Diesel fuel taxes	294,208	291,000	305,000
Proposed legislation			143,000
Lubricating oil taxes	72,030	84,000	89,000
Use tax on certain vehicles	148,030	150,000	152,000
Proposed legislation			152,000
Truck parts and accessories tax	85,173	85,000	91,000
Transfers to land and water conservation fund	-28,000	-28,000	-30,000
Refund of taxes	-122,512	-146,000	-148,000
Intrabudgetary transactions:			
Interest on investments	183,608	200,000	235,000
Miscellaneous interest	269		
Total annual income	5,725,433	5,549,000	6,048,000
Cash outgo during the year:			
Federal Highway Administration appropriations:			
Federal-aid highways (liquidation of contract authority)	4,652,387	4,688,217	4,898,000
Right-of-way revolving fund (liquidation of contract authority)	32,961	51,000	55,000
Forest highways (liquidation of contract authority)			500
Trust fund share of other highway programs		6,018	13,000
Baltimore-Washington Parkway trust fund		1,000	1,000
National Highway Traffic Safety Administration appropriation: Trust fund share of highway safety programs		31,750	55,540
Total annual outgo	4,685,348	4,777,985	5,023,040
Unexpended balance carried forward:			
U.S. securities (par)	3,634,868	4,420,000	5,445,000
Cash	16,828	2,711	2,671
Balance of fund at end of year	3,651,696	4,422,711	5,447,671

## OTHER FEDERAL HIGHWAY ADMINISTRATION TRUST FUNDS

## Program and Financing (in thousands of dollars)

Identification code 21-25-9998-0-7-999	1971 actual	1972 est.	1973 est.
Program by activities:			
1. Contributions for highway research programs	2		
2. Cooperative work, forest highways	1,595	500	500
3. Equipment, supplies, etc., for cooperating countries	1,066	1,000	1,000
4. Technical assistance, U.S. dollars advanced from foreign governments	1,213	2,500	2,500
Total program costs, funded	3,877	4,000	4,000

Change in selected resources <sup>1</sup>	-715		
10 Total obligations	3,162	4,000	4,000
Financing:			
17 Recovery of prior year obligations	-62		
Unobligated balance available, start of year:			
21.40 Appropriation	-1,549	-962	-1,035
21.49 Contract authority	-376	-279	
Unobligated balance available, end of year:			
24.40 Appropriation	962	1,035	1,035
24.49 Contract authority	279		
25.40 Unobligated balance lapsing: Appropriation		206	
Budget authority	2,415	4,000	4,000
Budget authority:			
60 Appropriation (permanent)	3,724	7,550	4,000
60.49 Appropriation to liquidate contract authority (permanent)	-1,586	-3,550	
63 Appropriation (adjusted)	2,138	4,000	4,000
69 Contract authority (23 U.S.C. 112, 120(8), 204; 64 Stat. 204-209)	277		
Distribution of budget authority by account:			
Contributions for highway research programs	3		
Cooperative work, forest highways	1,525	500	500
Equipment, supplies, etc., for cooperating countries	-62	1,000	1,000
Technical assistance, U.S. dollars advanced from foreign governments	949	2,500	2,500
Relation of obligations to outlays:			
71 Obligations incurred, net	3,100	4,000	4,000
Obligated balance, start of year:			
72.40 Appropriation	1,363	1,829	5,099
72.49 Contract authority	4,483	3,270	
Obligated balance, end of year:			
74.40 Appropriation	-1,829	-5,099	-5,099
74.49 Contract authority	-3,270		
90 Outlays	3,847	4,000	4,000
Distribution of outlays by account:			
Contributions for highway research programs	2		
Cooperative work, forest highways	1,511	500	500
Equipment, supplies, etc., for cooperating countries	1,119	1,000	1,000
Technical assistance, U.S. dollars advanced from foreign governments	1,214	2,500	2,500

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$5,669 thousand (1971 adjustments, -\$62 thousand); 1971, \$4,891 thousand; 1972, \$4,891 thousand; 1973, \$4,891 thousand.

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

	1971 actual	1972 est.	1973 est.
Unfunded balance, start of year	4,859	3,550	
Contract authority	277		
Unfunded balance, end of year	-3,550		
Appropriation to liquidate contract authority	1,586	3,550	

1. *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 (23 U.S.C. 307).

2. *Cooperative work, forest highways.*—Contributions are received from States and counties in connection with cooperative engineering, survey, maintenance, and construction projects for forest highways (23 U.S.C. 204).

3. *Equipment, supplies, etc., for cooperating countries.*—In connection with the construction of the Inter-American Highway, the Federal Highway Administration acts as agent for the cooperating Central American Republics in purchase of equipment, supplies, and services (23 U.S.C. 212, 308).

4. *Technical assistance, U.S. dollars advanced from foreign governments.*—Under the Foreign Economic Assistance Act and under agreement with the International Bank for Reconstruction and Development and the Export-Import Bank of Washington, 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. During the current year, these services are being rendered for Costa Rica, the Dominican Republic, Ethiopia, Iran, Nicaragua, and the Philippines (64 Stat. 204–209).

## Object Classification (in thousands of dollars)

Identification code 21–25–9998–0–7–999	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	635	667	670
11.5 Other personnel compensation.....	71	71	71
Total personnel compensation.....	707	738	741
12.1 Personnel benefits: Civilian.....	248	261	262
21.0 Travel and transportation of persons.....	43	45	45
22.0 Transportation of things.....	51	52	52
23.0 Rent, communications, and utilities.....	3	3	3
25.0 Other services.....	118	118	118
26.0 Supplies and materials.....	132	140	140
31.0 Equipment.....	60	70	70
32.0 Lands and structures.....	1,800	2,573	2,569
99.0 Total obligations.....	3,162	4,000	4,000

## Personnel Summary

Total number of permanent positions.....	33	33	33
Average paid employment.....	33	33	33
Average GS grade.....	13.0	13.0	13.0
Average GS salary.....	\$20,748	\$20,900	\$21,167

NATIONAL HIGHWAY TRAFFIC SAFETY  
ADMINISTRATION

The Highway Safety Act of 1970 established the National Highway Traffic Safety Administration (NHTSA) within the Department of Transportation. The act also contained funding authorizations for carrying out highway safety programs on a matching basis with the States and for conducting an associated highway research and development program. Two-thirds of the authorizations contained in the act are financed from the Highway trust fund, with the remainder to be financed from Federal funds. Other agency programs authorized under the Traffic and Motor Vehicle Safety Act of 1966, as amended, continue to be financed entirely from Federal funds.

The following table briefly depicts the source of financing, identified with the specific item of authorizing legislation, for all programs (in thousands of dollars):

<b>Budget authority:</b>			
Traffic and motor vehicle safety programs (Federal funds).....	1971 actual	1972 estimate	1973 estimate
	25,935	30,702	36,900
Highway safety grant programs.....	—100,000	100,000	100,000
Federal funds:			
New authority.....	25,000	33,333	33,333
Rescission of old authority.....	—175,000		
Highway trust fund.....	50,000	66,667	66,667

Obligations: Highway safety grant program.....	(75,000)	(67,119)	(76,700)
Highway safety research and development.....	17,000	38,625	47,900
Federal funds.....	17,000	12,875	16,000
Highway trust fund.....		25,750	31,900
Construction of compliance facilities (Federal funds).....		9,600	
Total budget authority.....	—57,065	178,927	184,800
<b>Outlays:</b>			
Traffic and motor vehicle safety programs (Federal funds).....	22,660	25,270	18,110
Highway safety grant programs.....	68,878	79,858	75,000
Federal funds.....	68,878	73,858	51,360
Highway trust fund.....		6,000	23,640
Highway safety research and development.....	15,000	30,201	37,890
Federal funds.....	15,000	4,451	5,990
Highway trust fund.....		25,750	31,900
Construction of compliance facilities (Federal funds).....		600	3,000
Total outlays.....	106,538	135,929	134,000

## Federal Funds

## General and special funds:

## TRAFFIC AND HIGHWAY SAFETY

For expenses necessary to discharge the functions of the Secretary with respect to traffic and highway safety, including services authorized by 5 U.S.C. 3109, [\$69,337,000] \$84,800,000, of which [\$25,750,000] \$31,900,000 shall be derived from the Highway trust fund. (84 Stat. 1739, 1741; Department of Transportation and Related Agencies Appropriation Act, 1972; additional authorizing legislation to be proposed for \$36,900,000.)

## Program and Financing (in thousands of dollars)

Identification code 21–27–0650–0–1–503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Program direction and coordination.....	1,896	2,202	2,716
2. Motor vehicle program.....	3,979	7,501	9,243
3. Traffic safety program.....	4,574	16,995	27,395
4. Research and analysis.....	23,202	26,631	28,000
5. Staff and administrative support services.....	3,532	5,094	6,306
Total program costs, funded.....	37,183	58,423	73,660
Change in selected resources <sup>1</sup> .....	7,997	13,908	15,440
10 Total obligations.....	45,180	72,331	89,100
<b>Financing:</b>			
Receipts and reimbursements from:			
11 Federal funds.....	—2,635	—1,100	—1,433
13 Trust funds.....		—27,950	—34,767
25 Unobligated balance lapsing.....	390	296	
Budget authority.....	42,935	43,577	52,900
Budget authority:			
40 Appropriation.....	42,935	43,587	52,900
41 Transferred to other accounts.....		—10	
43 Appropriation (adjusted).....	42,935	43,577	52,900
Relation of obligations to outlays:			
71 Obligations incurred, net.....	42,545	43,281	52,900
72 Obligated balance, start of year.....	25,072	29,798	43,358
74 Obligated balance, end of year.....	—29,798	—43,358	—72,158
77 Adjustments in expired accounts.....	—159		
90 Outlays.....	37,660	29,721	24,100

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$23,309 thousand; 1971, \$31,306 thousand; 1972, \$45,214 thousand; 1973, \$60,654 thousand.

## General and special funds—Continued

## TRAFFIC AND HIGHWAY SAFETY—Continued

The following activities encompass motor vehicle safety programs authorized under the National Traffic and Motor Vehicle Safety Act; highway safety programs authorized under the Highway Safety Act; and executive direction and administrative support requirements undertaken pursuant to both acts. Beginning in 1972, two-thirds of the highway safety research and development programs and the administration of the State and community highway safety programs is financed by a reimbursement from the Highway Trust Fund. The remaining one-third portion of highway safety research and development plus programs authorized under the Traffic and Motor Vehicle Safety Act are financed entirely from Federal funds provided by this appropriation.

1. *Program direction and coordination.*—This activity provides direction, coordination, and implementation of overall policies, programs, and objectives. Staff offices carry out responsibilities in planning, scientific matters, legal services, consumer affairs, and civil rights.

2. *Motor vehicle program.*—This activity encompasses development of motor vehicle and tire safety standards, evaluation and compliance procedures and studies to determine the effects on product costs and leadtime for implementation by the industry. Increases are requested to expand the testing of new motor vehicles and tires for compliance with Federal safety standards and to implement a phased staffing plan for a compliance test facility.

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

4. *Research and analysis.*—This activity provides for motor vehicle and highway safety research and development, for the collection of data to determine the relationship between motor vehicle or equipment performance characteristics and crashes or the occurrence of death or personal injury as a result of such crashes, and for operation of the National Driver Register, which provides centralized information on license revocations. Increases are requested to improve the crash survivability features of motor vehicles; to continue research and testing on experimental safety vehicles; and to expand field accident investigation activity.

5. *Staff and administrative support services.*—Provides for services, such as budgeting, personnel management, office services, contracting, and procurement, to support all activities conducted by this organization.

## Object Classification (in thousands of dollars)

Identification code 21-27-0650-0-1-503	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions	10,096	12,823	13,860
11.3 Positions other than permanent	488	550	550
11.5 Other personnel compensation	291	227	227
<b>Total personnel compensation</b>	<b>10,875</b>	<b>13,600</b>	<b>14,637</b>
12.1 Personnel benefits: Civilian	861	1,167	1,251
21.0 Travel and transportation of persons	880	900	953
22.0 Transportation of things	126	176	176
23.0 Rent, communications, and utilities	333	399	415
24.0 Printing and reproduction	144	582	586
25.0 Other services	31,381	54,932	70,440

26.0 Supplies and materials	325	325	335
31.0 Equipment	255	250	307
<b>99.0 Total obligations</b>	<b>45,180</b>	<b>72,331</b>	<b>89,100</b>

## Personnel Summary

Total number of permanent positions	717	841	865
Full-time equivalent of other positions	40	45	45
Average paid employment	607	765	825
Average GS grade	11.1	11.0	10.9
Average GS salary	\$16,828	\$17,544	\$17,315

## 【CONSTRUCTION OF COMPLIANCE FACILITIES】

【For necessary expenses of design and acquisition of land, facilities, and equipment by purchase, construction, lease or otherwise, for the Compliance Test Facility, \$9,600,000, to remain available until expended.】 (84 Stat. 263; Department of Transportation and Related Agencies Appropriation Act, 1972.)

## Program and Financing (in thousands of dollars)

Identification code 21-27-0653-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Design, construction and equipment (program costs, funded)		1,400	3,000
Change in selected resources <sup>1</sup>		3,838	1,362
<b>10 Total obligations</b>		<b>5,238</b>	<b>4,362</b>
<b>Financing:</b>			
21 Unobligated balance available, start of year			-4,362
24 Unobligated balance available, end of year		4,362	
<b>40 Budget authority (appropriation)</b>		<b>9,600</b>	
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net		5,238	4,362
72 Obligated balance, start of year			4,638
74 Obligated balance, end of year		-4,638	-6,000
<b>90 Outlays</b>		<b>600</b>	<b>3,000</b>

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1971, \$0; 1972, \$3,838 thousand; 1973, \$5,200 thousand.

An appropriation was made in 1972 for the design, construction, and equipage of a compliance test facility. The facility will provide the National Highway Traffic Safety Administration with the capability to perform a variety of tests on motor vehicles, tires and other motor vehicle equipment to carry out applicable provisions of the National Traffic and Motor Vehicle Safety Act. Plans for the effectuation of this facility are now under review.

## Object Classification (in thousands of dollars)

Identification code 21-27-0653-0-1-503	1971 actual	1972 est.	1973 est.
25.0 Other services		400	
31.0 Equipment		2,421	2,262
32.0 Lands and structures		2,417	2,100
<b>99.0 Total obligations</b>		<b>5,238</b>	<b>4,362</b>

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

For payment of obligations incurred in carrying out the provisions of title 23, United States Code, section 402, to remain available until expended, 【\$47,000,000】 \$75,000,000, of which 【\$6,000,000】 \$23,640,000 shall be derived from the Highway trust fund. (84 Stat. 1739, 1741; Department of Transportation and Related Agencies Appropriation Act, 1972.)

## Program and Financing (in thousands of dollars)

Identification code 21-27-0651-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. State and community grants .....	47,176	50,558	65,700
2. Administration of grant programs .....	2,635	3,300	4,300
Total program costs, funded .....	49,811	53,858	70,000
Change in selected resources <sup>1</sup> .....	25,189	13,261	6,700
<b>10 Total obligations .....</b>	<b>75,000</b>	<b>67,119</b>	<b>76,700</b>
<b>Financing:</b>			
<b>13 Receipts and reimbursements from:</b>			
Trust Funds .....		-44,746	-51,134
21.49 Unobligated balance available, start of year: Contract authority .....	-277,921	-30,021	-40,981
24.49 Unobligated balance available, end of year: Contract authority .....	30,021	40,981	48,748
25.49 Unobligated balance lapsing: Contract authority .....	22,900		
<b>Budget authority .....</b>	<b>-150,000</b>	<b>33,333</b>	<b>33,333</b>
<b>Budget authority:</b>			
40 Appropriation .....	51,000	41,000	51,360
40.49 Appropriation to liquidate contract authority .....	-51,000	-41,000	-51,360
<b>43 Appropriation (adjusted) .....</b>			
Contract authority:			
49 Current .....	25,000		33,333
49 Unobligated balance of contract authority rescinded (84 Stat. 1741) .....	-175,000		
<b>69 Permanent (84 Stat. 1741) .....</b>		<b>33,333</b>	
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net .....	75,000	22,373	25,566
Obligated balance, start of year:			
72.40 Appropriation .....	30,736	12,858	
72.49 Contract authority .....	55,006	79,006	60,379
Obligated balance, end of year:			
74.40 Appropriation .....	-12,858		
74.49 Contract authority .....	-79,006	-60,379	-34,585
<b>90 Outlays .....</b>	<b>68,878</b>	<b>53,858</b>	<b>51,360</b>

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$66,705 thousand; 1971, \$91,894 thousand; 1972, \$105,155 thousand; 1973, \$111,855 thousand.

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

	1971 actual	1972 est.	1973 est.
Unfunded balance, start of year .....	332,926	109,026	81,359
Contract authority .....	25,000	33,333	33,333
Unfunded balance of contract authority rescinded .....	-175,000		
Administrative cancellation of contract authority .....	-22,900		
Unfunded balance, end of year .....	-109,026	-81,359	-63,332
Appropriation to liquidate contract authority .....	51,000	41,000	51,360
Proposed supplemental request to liquidate contract authority .....		20,000	

The Highway Safety Act of 1970 provided authorizations to continue programs under section 402 of title 23, U.S. Code. Federal grants are provided to assist the States and their political subdivisions in the establishment of highway safety programs such as driver licensing, motor vehicle registration, traffic records, police traffic services, driver education, etc. Individual States are also utilizing this funding to supplement federally funded alcohol safety action projects. Highway safety programs are based on comprehensive statewide plans prepared in accordance

with uniform standards promulgated by the Secretary of Transportation. The States are required to match Federal grants.

Beginning in 1972, two-thirds of the funding is provided by the Highway trust fund pursuant to the Highway Safety Act of 1970. The remaining one-third, derived from Federal funds, is provided from this appropriation.

A total of \$90 million in obligations is planned for highway safety programs in 1973, including those obligations to be incurred by both the National Highway Traffic Safety Administration (NHTSA) and the Federal Highway Administration (FHWA). A tentative distribution of this total would provide \$13.3 million for FHWA and \$76.7 million for NHTSA. Annual program plans as submitted by the States and approved by the two agencies will determine the actual distribution of obligations.

## Object Classification (in thousands of dollars)

Identification code 21-27-0651-0-1-503	1971 actual	1972 est.	1973 est.
25.0 Other services .....	2,635	3,300	4,300
41.0 Grants, subsidies, and contributions .....	72,365	63,819	72,400
<b>99.0 Total obligations .....</b>	<b>75,000</b>	<b>67,119</b>	<b>76,700</b>

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

(Supplemental now requested)

## Program and Financing (in thousands of dollars)

Identification code 21-27-0651-1-1-503	1971 actual	1972 est.	1973 est.
<b>Budget authority:</b>			
40 Appropriation .....		20,000	
40.49 Appropriation to liquidate contract authority .....		-20,000	
<b>43 Appropriation (adjusted) .....</b>			
<b>Relation of obligations to outlays:</b>			
72.49 Obligated balance, start of year: Contract authority .....			-20,000
74.49 Obligated balance, end of year: Contract authority .....		20,000	20,000
<b>90 Outlays .....</b>		<b>20,000</b>	

A narrative statement, describing the purpose of this request, and proposed appropriation language are included in Part III of this volume.

## Trust Funds

## TRUST FUND SHARE OF HIGHWAY SAFETY PROGRAMS (LIQUIDATION OF CONTRACT AUTHORIZATION)

Note.—The appropriation language for these amounts from the Highway trust fund is contained in the language of the Traffic and highway safety and State and community highway safety appropriations.

## Program and Financing (in thousands of dollars)

Identification code 21-27-8016-0-7-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. State and community grants .....		37,333	45,933
2. Highway safety research and development .....		25,750	31,900
Total program costs, funded .....		63,083	77,833
Change in selected resources <sup>1</sup> .....		7,413	5,201
<b>10 Total obligations (object class 25.0) .....</b>		<b>70,496</b>	<b>83,034</b>

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1971, \$0; 1972, \$7,413 thousand; 1973, \$12,614 thousand.

TRUST FUND SHARE OF HIGHWAY SAFETY PROGRAMS (LIQUIDATION  
OF CONTRACT AUTHORIZATION)—Continued

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

Identification code 21-27-8016-0-7-503	1971 actual	1972 est.	1973 est.
<b>Financing:</b>			
21.49 Unobligated balance available, start of year: Contract authority.....		-50,000	-71,921
24.49 Unobligated balance available, end of year: Contract authority.....	50,000	71,921	87,454
<b>Budget authority</b> .....	<b>50,000</b>	<b>92,417</b>	<b>98,567</b>
<b>Budget authority:</b>			
40 Appropriation.....		31,750	55,540
40.49 Appropriation to liquidate contract authority.....		-6,000	-23,640
43 <b>Appropriation (adjusted)</b> .....		<b>25,750</b>	<b>31,900</b>
<b>Contract authority:</b>			
49 <b>Current</b> .....	<b>50,000</b>		<b>66,667</b>
69 <b>Permanent (84 Stat. 1741)</b> .....		<b>66,667</b>	
<b>Relation of obligations to outlays:</b>			
71 Obligation incurred, net.....		70,496	83,034
72.49 Obligated balance, start of year: Contract authority.....			38,746
74.49 Obligated balance, end of year: Contract authority.....		-38,746	-66,240
90 <b>Outlays</b> .....		<b>31,750</b>	<b>55,540</b>
<b>Status of Unfunded Contract Authority (in thousands of dollars)</b>			
	1971 actual	1972 est.	1973 est.
Unfunded balance, start of year.....		50,000	110,667
Contract authority.....	50,000	66,667	66,667
Unfunded balance, end of year.....	-50,000	-110,667	-153,694
<b>Appropriation from the Highway trust fund to liquidate contract authority..</b>		<b>6,000</b>	<b>23,640</b>

Authority is contained in the Highway Safety Act of 1970 to obtain two-thirds of the financing for highway safety programs, administered under sections 402 and 403 of title 23, from the Highway trust fund. Such amounts, as shown in this appropriation account, are transferred to the Traffic and highway safety and State and community highway safety appropriations. Program details are shown in the schedules for those accounts.

## FEDERAL RAILROAD ADMINISTRATION

## Federal Funds

## General and special funds:

## OFFICE OF THE ADMINISTRATOR

## SALARIES AND EXPENSES

For necessary expenses of the Federal Railroad Administration, [including services as authorized by 5 U.S.C. 3109, \$2,205,000] \$3,010,000. (80 Stat. 931; Department of Transportation and Related Agencies Appropriation Act, 1972.)

## Program and Financing (in thousands of dollars)

Identification code 21-30-0700-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
General management and administration (program costs, funded).....	1,446	2,208	3,010
Change in selected resources <sup>1</sup> .....	48	-50	
10 <b>Total obligations</b> .....	<b>1,494</b>	<b>2,158</b>	<b>3,010</b>

## Financing:

25 Unobligated balance lapsing.....	16	47	
40 <b>Budget authority (appropriation)</b> ...	<b>1,510</b>	<b>2,205</b>	<b>3,010</b>
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	1,494	2,158	3,010
72 Obligated balance, start of year.....	31	12	12
74 Obligated balance, end of year.....	-12	-12	-12
77 Adjustments in expired accounts.....	-3		
90 <b>Outlays</b> .....	<b>1,510</b>	<b>2,158</b>	<b>3,010</b>

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$12 thousand; 1971, \$60 thousand; 1972, \$10 thousand; 1973, \$10 thousand.

This appropriation provides for salaries and expenses of the immediate office of the Administrator and those staff offices supporting the Federal Railroad Administration in the major fields of railroad safety; high-speed passenger rail research, development, and demonstrations; and the Alaska Railroad.

## Object Classification (in thousands of dollars)

Identification code 21-30-0700-0-1-503	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	1,028	1,490	2,235
11.3 Positions other than permanent.....	117	160	160
11.5 Other personnel compensation.....	22	25	25
<b>Total personnel compensation</b> .....	<b>1,167</b>	<b>1,675</b>	<b>2,420</b>
12.1 Personnel benefits: Civilian.....	90	137	196
21.0 Travel and transportation of persons.....	48	75	75
22.0 Transportation of things.....	2	5	5
23.0 Rent, communications, and utilities.....	45	61	96
24.0 Printing and reproduction.....	28	38	38
25.0 Other services.....	94	126	126
26.0 Supplies and materials.....	14	16	19
31.0 Equipment.....	6	25	35
99.0 <b>Total obligations</b> .....	<b>1,494</b>	<b>2,158</b>	<b>3,010</b>

## Personnel Summary

Total number of permanent positions.....	71	106	159
Full-time equivalent of other positions.....	12	15	15
Average paid employment.....	70	101	146
Average GS grade.....	11.7	11.1	10.6
Average GS salary.....	\$17,971	\$16,552	\$15,610
Average salary of ungraded positions.....	\$7,758	\$7,758	\$7,758

## RAILROAD RESEARCH

For necessary expenses for conducting railroad research activities, [\$10,350,000] \$10,600,000, to remain available until expended. (80 Stat. 931; 84 Stat. 971; Department of Transportation and Related Agencies Appropriation Act, 1972.)

## Program and Financing (in thousands of dollars)

Identification code 21-30-0703-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Railroad research (program costs, funded).....	537	7,327	8,000
Change in selected resources <sup>1</sup> .....	681	5,421	2,600
10 <b>Total obligations (object class 25.0)</b> ...	<b>1,218</b>	<b>12,748</b>	<b>10,600</b>
<b>Financing:</b>			
21 Unobligated balance available, start of year.....	-167	-2,398	
24 Unobligated balance available, end of year.....	2,398		
40 <b>Budget authority (appropriation)</b> .....	<b>3,450</b>	<b>10,350</b>	<b>10,600</b>

Relation of obligations to outlays:				
71	Obligations incurred, net.....	1,218	12,748	10,600
72	Obligated balance, start of year.....	331	943	6,691
74	Obligated balance, end of year.....	-943	-6,691	-9,566
90	Outlays.....	606	7,000	7,725

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$316 thousand; 1971, \$997 thousand; 1972, \$6,418 thousand; 1973, \$9,018 thousand.

This appropriation provides for research which deals exclusively with railroad matters. The program effort is directed at solving critical safety problems, protecting and enhancing the environment, and promoting national transportation efficiency. During 1973, major emphasis will continue to be placed on conducting research and development related to train accidents caused by highway-rail grade crossings, defective equipment, and human error.

## BUREAU OF RAILROAD SAFETY

For necessary expenses of the Bureau of Railroad Safety, not otherwise provided for, [including services as authorized by 5 U.S.C. 3109, \$5,631,000] \$6,815,000. (80 Stat. 931; 84 Stat. 971; Department of Transportation and Related Agencies Appropriation Act, 1972.)

## Program and Financing (in thousands of dollars)

Identification code 21-30-0702-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Railroad safety (program costs, funded).....	4,747	5,590	6,815
Change in selected resources <sup>1</sup> .....	39	-63	-----
10 Total obligations.....	4,786	5,527	6,815
<b>Financing:</b>			
25 Unobligated balance lapsing.....	39	104	-----
Budget authority.....	4,824	5,631	6,815
<b>Budget authority:</b>			
40 Appropriation.....	4,825	5,631	6,815
41 Transferred to other accounts.....	-1	-----	-----
43 Appropriation (adjusted).....	4,824	5,631	6,815
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	4,786	5,527	6,815
72 Obligated balance, start of year.....	273	339	339
74 Obligated balance, end of year.....	-339	-339	-339
77 Adjustments in expired accounts.....	-29	-----	-----
90 Outlays.....	4,690	5,527	6,815

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders 1970, \$34 thousand; 1971, \$73 thousand; 1972, \$10 thousand; 1973, \$10 thousand

The Federal Railroad Safety Act of 1970 provides that the Secretary of Transportation shall prescribe as necessary, appropriate rules, regulations, orders, and standards for all areas of railroad safety.

The increase in resources will expand further the effectiveness of the Bureau of Railroad Safety in the investigation and enforcement of railroad safety rules.

## Object Classification (in thousands of dollars)

Identification code 21-30-0702-0-1-503	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	3,593	4,105	5,002
11.3 Positions other than permanent.....	53	55	55
11.5 Other personnel compensation.....	6	10	10
Total personnel compensation.....	3,652	4,170	5,067

12.1	Personnel benefits: Civilian.....	308	351	423
21.0	Travel and transportation of persons.....	495	600	700
22.0	Transportation of things.....	11	12	12
23.0	Rent, communications, and utilities.....	86	102	152
24.0	Printing and reproduction.....	40	48	48
25.0	Other services.....	176	215	345
26.0	Supplies and materials.....	11	12	15
31.0	Equipment.....	7	17	53
99.0	Total obligations.....	4,786	5,527	6,815

## Personnel Summary

Total number of permanent positions.....	244	272	343
Full-time equivalent of other positions.....	10	10	10
Average paid employment.....	237	258	313
Average GS grade.....	10.8	10.9	10.9
Average GS salary.....	\$16,264	\$16,324	\$16,049

HIGH-SPEED GROUND TRANSPORTATION RESEARCH  
AND DEVELOPMENT

For necessary expenses for research, development, and demonstrations in high-speed ground transportation [\$25,000,000] \$60,800,000, to remain available until expended. (49 U.S.C. 1631 et seq.; 82 Stat. 424; 84 Stat. 915; Department of Transportation and Related Agencies Appropriation Act, 1972.)

## Program and Financing (in thousands of dollars)

Identification code 21-30-0745-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Research and development.....	11,743	19,400	27,000
2. Demonstrations.....	12,000	9,000	17,000
3. Administration.....	1,178	1,508	1,900
Total program costs, funded.....	24,921	29,908	45,900
Change in selected resources <sup>1</sup> .....	-808	-4,368	14,962
10 Total obligations.....	24,113	25,540	60,862
<b>Financing:</b>			
21 Unobligated balance available, start of year.....	-6,715	-602	-62
24 Unobligated balance available, end of year.....	602	62	-----
40 Budget authority (appropriation).....	18,000	25,000	60,800
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	24,113	25,540	60,862
72 Obligated balance, start of year.....	23,177	22,321	17,926
74 Obligated balance, end of year.....	-22,321	-17,926	-34,788
90 Outlays.....	24,969	29,935	44,000

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders 1970, \$20,508 thousand; 1971, \$19,700 thousand; 1972, \$15,332 thousand; 1973 \$30,294 thousand.

This appropriation finances research, development, and demonstration programs in high-speed ground transportation.

1. *Research and development.*—This includes research of conventional and advanced technology rail systems; including vehicle propulsion, control guidance, communication, guideways, and aerodynamics. The increase is to continue development and testing of an experimental, tracked air cushion research vehicle.

2. *Demonstrations.*—This provides for conducting demonstrations of improved, intercity rail passenger systems to determine the contributions that can be made to more efficient and economical service. The increase is to continue the Metroliner and TurboTrain demonstrations and to modify Metroliner cars to improve ride quality and reduce operating costs.

3. *Administration.*—This provides for the personnel and related administrative costs for conducting the high-speed program, including the test center at Pueblo, Colo.

## General and special funds—Continued

HIGH-SPEED GROUND TRANSPORTATION RESEARCH  
AND DEVELOPMENT—Continued

## Object Classification (in thousands of dollars)

Identification code 21-30-0745-0-1-503	1971 actual	1972 est.	1973 est.
<b>FEDERAL RAILROAD ADMINISTRATION</b>			
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	693	987	1,312
11.3 Positions other than permanent.....	105	125	125
11.5 Other personnel compensation.....	3	3	3
11.8 Special personal services payments.....	40		
Total personnel compensation.....	841	1,115	1,440
12.1 Personnel benefits: Civilian.....	72	95	106
21.0 Travel and transportation of persons.....	77	75	100
22.0 Transportation of things.....	9	10	10
23.0 Rent, communications, and utilities.....	67	108	125
24.0 Printing and reproduction.....	50	58	58
25.0 Other services.....	20,579	20,869	47,484
26.0 Supplies and materials.....	11	13	14
31.0 Equipment.....	12	12	25
Total obligations, Federal Railroad Administration.....	21,718	22,355	49,362
<b>ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION, DEPARTMENT OF TRANSPORTATION</b>			
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	112	118	124
11.3 Positions other than permanent.....	12	13	14
11.5 Other personnel compensation.....	39	41	43
Total personnel compensation.....	163	172	181
12.1 Personnel benefits: Civilian.....	42	44	46
21.0 Travel and transportation of persons.....	56	56	56
22.0 Transportation of things.....	12	12	12
23.0 Rent, communications, and utilities.....	4	4	4
24.0 Printing and reproduction.....	1	1	1
25.0 Other services.....	193	193	193
26.0 Supplies and materials.....	6	6	6
31.0 Equipment.....	14	14	14
32.0 Lands and structures.....	1,904	2,683	10,987
Total obligations, Federal Highway Administration.....	2,395	3,185	11,500
99.0 Total obligations.....	24,113	25,540	60,862

## Personnel Summary

## FEDERAL RAILROAD ADMINISTRATION

Total number of permanent positions.....	55	61	86
Full-time equivalent of other positions.....	9	10	10
Average paid employment.....	49	64	82
Average GS grade.....	11.3	11.1	11.0
Average GS salary.....	\$18,321	\$18,124	\$17,138

## ALLOCATION TO FEDERAL HIGHWAY ADMINISTRATION, DEPARTMENT OF TRANSPORTATION

Total number of permanent positions.....	12	24	30
Full-time equivalent of other positions.....	0	4	4
Average paid employment.....	12	28	34
Average GS grade.....	7.5	7.5	7.5
Average GS salary.....	\$10,846	\$10,970	\$11,084

## FEDERAL GRANTS TO THE NATIONAL RAILROAD PASSENGER CORPORATION

## Program and Financing (in thousands of dollars)

Identification code 21-30-0704-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Payment to the Corporation (program costs, funded).....	24,325	15,675	

Change in selected resources <sup>1</sup> .....	1,675	-1,675	
10 Total obligations (object class 41.0).....	26,000	14,000	
<b>Financing:</b>			
21 Unobligated balance available, start of year.....		-14,000	
24 Unobligated balance available, end of year.....	14,000		
40 Budget authority (appropriation).....	40,000		
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	26,000	14,000	
72 Obligated balance, start of year.....		1,675	
74 Obligated balance, end of year.....	-1,675		
90 Outlays.....	24,325	15,675	

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$0; 1971, \$1,675 thousand; 1972, \$0.

The Rail Passenger Service Act of 1970 created the National Railroad Passenger Corporation (AMTRAK), a private "for-profit corporation," to provide modern, efficient, intercity rail passenger service.

Funds appropriated during 1971 were provided to the Corporation for the purpose of assisting in (1) the initial organization and operation of the Corporation; (2) the establishment of improved reservations systems and advertising; (3) servicing, maintenance, and repair of railroad passenger equipment; (4) the conduct of research and development and demonstration programs respecting new rail passenger services; (5) the development and demonstration of improved rolling stock; and (6) essential fixed facilities for the operation of passenger trains on lines and routes included in the basic system over which no through passenger trains were being operated at the time of enactment of this act, including necessary track connections between lines of the same or different railroads.

## FEDERAL GRANTS TO NATIONAL RAILROAD PASSENGER CORPORATION

(Proposed for later transmittal, pending legislation)

## Program and Financing (in thousands of dollars)

Identification code 21-30-0704-1-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
10 Payment to the Corporation (costs—obligations).....		105,000	65,000
<b>Financing:</b>			
21 Unobligated balance available, start of year.....			-65,000
24 Unobligated balance available, end of year.....		65,000	
40 Budget authority (proposed supplemental appropriation).....		170,000	
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....		105,000	65,000
90 Outlays.....		105,000	65,000

<sup>1</sup> Supplemental shown for 1972 consistent with pending authorization; actual request will be determined later.

Amended legislation authorizes \$170 million to be appropriated in years subsequent to 1971, and expands the purposes, from 6 to 8, for which the funds are to be used. Added are: (7) the purchase or lease by the Corporation of railroad rolling stock; and (8) other corporate purposes.

## Public enterprise funds:

## THE ALASKA RAILROAD

## ALASKA RAILROAD REVOLVING FUND

The Alaska Railroad Revolving Fund shall continue available until expended for the work authorized by law, including operation



and maintenance of oceangoing or coastwise vessels by ownership, charter, or arrangement with other branches of the Government service, for the purpose of providing additional facilities for transportation of freight, passengers, or mail, when deemed necessary for the benefit and development of industries or travel in the area served; and payment of compensation and expenses as authorized by 5 U.S.C. 8146, to be reimbursed as therein provided; and not to exceed \$1,000,000 of the Fund shall be available for use in construction and engineering work on an extension of the Alaska Railroad from Fairbanks, Alaska, to the International Airport located near that city: *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. (80 Stat. 931; Department of Transportation and Related Agencies Appropriation Act, 1972.)

## Program and Financing (in thousands of dollars)

Identification code 21-30-4400-0-3-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Operating and other costs, funded:			
1. Rail line operating program:			
(a) Maintenance of way and structures.....	3,180	3,530	3,918
(b) Maintenance of equipment.....	4,366	4,846	5,379
(c) Traffic.....	324	360	400
(d) Transportation service.....	5,921	6,572	7,295
(e) Communications system operation and maintenance.....	344	382	424
(f) Incidental operations.....	695	772	857
(g) General and administrative expense.....	1,396	1,550	1,720
2. Other programs:			
(a) Riverboats and related facilities leased.....	20	20	20
(b) Other nonoperating expense.....	4	4	4
3. Other costs:			
(a) Dismantling depreciable property.....	15	-----	-----
(b) Transfers from other Government agencies.....	-1	-----	-----
(c) Loss on excess current inventories.....	70	100	100
(d) Salvage retired nondepreciable property.....	-81	-----	-----
(e) Undistributed costs <sup>1</sup> .....	654	400	-----
Total operating and other costs.....	16,907	18,536	20,117
Capital outlay, funded:			
1. Rail line annual program:			
(a) Improvement of roadbed, track, and structures.....	1,385	1,921	1,141
(b) Purchase and upgrading of equipment.....	877	592	1,337
(c) Nonprogramed outlay.....	-----	500	500
2. Other programs: Equipment.....			
-----	217	1	-----
Total capital outlay.....	2,479	3,014	2,978
Total program costs, funded.....	19,386	21,550	23,095
Change in selected resources <sup>2</sup> .....	-365	-400	-----
10 Total obligations.....	19,021	21,150	23,095
<b>Financing:</b>			
14 Receipts and reimbursements from: Non-Federal sources (48 U.S.C. 301-308):			
Rail line operation program:			
Freight revenue.....	-12,840	-18,580	-20,125
Passenger revenue.....	-699	-700	-625
Other rail line revenue.....	-1,539	-1,550	-1,575
Other programs:			
Riverboats and related facilities.....	-85	-85	-85
Other nonoperating revenue.....	-544	-581	-631
Proceeds from sale of assets.....	-9	-----	-----
Change in long-term accounts receivable.....	-22	-54	-54
21 Unobligated balance available, start of year.....	-5,910	-2,627	-3,027
24 Unobligated balance available, end of year.....	2,627	3,027	3,027
<b>Budget authority</b> .....			

## Relation of obligations to outlays:

71 Obligations incurred, net.....	3,282	-400	-----
72 Obligated balance, start of year.....	459	994	594
74 Obligated balance, end of year.....	-994	-594	-594
90 Outlays.....	2,747	-----	-----

<sup>1</sup> Includes engineer route survey.<sup>2</sup> Balances of selected resources are identified on the statement of financial condition.

The Alaska Railroad was located, built, and is operated by the Federal Government under the act of March 12, 1914 (38 Stat. 305). The Railroad now operates as a bureau of the Federal Railroad Administration.

**Budget program.**—There are no significant changes planned for 1973. The rail line program of operating and other costs is expected to remain at a level approximating estimated revenues. Proposed capital improvements are within the capability of the present force structure.

**Financing.**—No appropriation is being requested for 1973. It is estimated at the end of the budget year there will be an unobligated balance of \$3,027 thousand and an unexpended Treasury balance of \$3,621 thousand.

In furtherance of the general policy to withdraw the Federal Government from programs and enterprises more appropriately carried on at other governmental levels or in the private sector, the administration will continue to support legislation which would authorize the sale of the Alaska Railroad.

## Revenue and Expense (in thousands of dollars)

	1971 actual	1972 est.	1973 est.
Rail line operation program:			
Revenue: Ordinary.....	15,078	20,830	22,325
Expense: Ordinary.....	18,693	20,502	22,513
Net income or loss (—), rail line operation.....	-3,615	328	-188
Other programs:			
Revenue.....	629	666	716
Expense: Ordinary.....	109	115	115
Net income, other programs.....	520	551	601
Nonoperating income or loss (—):			
Inventory adjustments—fixed properties.....	9	-----	-----
Loss on excess current inventories.....	-70	-100	-100
Gain on retirement of nondepreciable property.....	81	-----	-----
Net nonoperating income or loss (—).....	20	-100	-100
Net income or loss (—) for the year.....	-3,075	779	313

## Financial Condition (in thousands of dollars)

	1970 actual	1971 actual	1972 est.	1973 est.
<b>Assets:</b>				
Treasury balance.....	6,369	3,621	3,621	3,621
Accounts receivable, net.....	4,094	3,034	3,034	3,034
Selected assets: <sup>1</sup> Supplies and materials.....	3,637	3,607	3,607	3,607
Long-term accounts receivable.....	1,026	1,004	950	896
Clearing accounts and undistributed charges.....	437	1,091	1,491	1,491
Other deferred assets.....	17	18	18	18
Fixed assets, net.....	116,478	116,429	116,861	117,228
Total assets.....	132,058	128,804	129,582	129,895
<b>Liabilities:</b>				
Accounts payable and accrued liabilities.....	3,498	3,308	3,308	3,308

<sup>1</sup> The "Change in selected resources" entry on the program and financing schedule relates to this item.

## Public enterprise funds—Continued

## THE ALASKA RAILROAD—Continued

## ALASKA RAILROAD REVOLVING FUND—continued

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

	1970 actual	1971 actual	1972 est.	1973 est.
<b>Government equity:</b>				
Obligations:				
Undelivered orders <sup>1</sup> .....	1,055	720	320	320
Unobligated balance.....	5,910	2,627	3,027	3,027
Total funded balance....	6,965	3,347	3,347	3,347
Invested capital and earnings.....	121,595	122,149	122,927	123,240
Total Government equity..	128,560	125,496	126,274	126,587

<sup>1</sup> The "Change in selected resources" entry on the program and financing schedule relates to these items.

## Analysis of Changes in Government Equity (in thousands of dollars)

	1971 actual	1972 est.	1973 est.
<b>Non-interest-bearing capital:</b>			
Start of year.....	133,665	133,676	133,676
Donated assets, net.....	11		
End of year.....	133,676	133,676	133,676
<b>Retained earnings:</b>			
Start of year.....	-5,105	-8,180	-7,401
Net income for year.....	-3,075	779	313
End of year.....	-8,180	-7,401	-7,088
Total Government equity (end of year).....	125,496	126,275	126,588

## Object Classification (in thousands of dollars)

Identification code 21-30-4400-0-3-503	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	10,650	11,822	13,122
11.3 Positions other than permanent....	939	1,042	1,157
11.5 Other personnel compensation.....	492	636	716
11.8 Special personal services payments..	55	50	55
Total personnel compensation.....	12,136	13,550	15,050
12.1 Personnel benefits: Civilian.....	1,194	1,350	1,475
21.0 Travel and transportation of persons..	130	144	145
22.0 Transportation of things.....	274	304	305
23.0 Rent, communications, and utilities...	609	676	680
24.0 Printing and reproduction.....	5	6	7
25.0 Other services.....	1,476	1,638	1,650
26.0 Supplies and materials.....	2,380	2,593	2,500
31.0 Equipment.....	863	940	900
32.0 Lands and structures.....	242	264	293
42.0 Insurance claims and indemnities.....	77	85	90
Total costs, funded.....	19,386	21,550	23,095
94.0 Change in selected resources.....	-365	-400	
99.0 Total obligations.....	19,021	21,150	23,095

## Personnel Summary

Total number of permanent positions.....	802	802	802
Full-time equivalent of other positions.....	75	75	75
Average paid employment.....	850	850	860
Average salary of ungraded positions.....	\$13,742	\$15,254	\$16,932

## Intragovernmental funds:

## ADVANCES AND REIMBURSEMENTS

## Program and Financing (in thousands of dollars)

Identification code 21-30-3900-0-4-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
10 Administrative services to other accounts (costs—obligations).....	58	372	370

## Financing:

11 Receipts and reimbursements from: Federal funds.....	-58	-372	-370
<b>Budget authority.....</b>			

## Relation of obligations to outlays:

71 Obligations incurred, net.....			
90 Outlays.....			

## Object Classification (in thousands of dollars)

Identification code 21-30-3900-0-4-503	1971 actual	1972 est.	1973 est.
<b>11.1 Personnel compensation: Permanent positions.....</b>	40	38	38
12.1 Personnel benefits: Civilian.....	10	10	10
21.0 Travel and transportation of persons..	6	5	8
23.0 Rent, communications, and utilities...	2	2	2
25.0 Other services.....		317	312
99.0 Total obligations.....	58	372	370

## Personnel Summary

Total number of permanent positions.....	6	6	2
Average paid employment.....	2	2	2
Average GS grade.....	12.7	11.0	11.0
Average GS salary.....	\$19,756	\$18,805	\$19,032

URBAN MASS TRANSPORTATION  
ADMINISTRATION

## Federal Funds

## General and special funds:

## SALARIES AND EXPENSES

## Program and Financing (in thousands of dollars)

Identification code 21-32-0800-0-1-503	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Administrative expenses (program costs, funded).....	2,870	262	
Change in selected resources <sup>1</sup> .....	205	-262	
10 Total obligations.....	3,075		
<b>Financing:</b>			
25 Unobligated balance lapsing.....	250		
40 Budget authority (appropriation)...	3,325		
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	3,075		
72 Obligated balance, start of year.....	185	421	
74 Obligated balance, end of year.....	-421		
77 Adjustments in expired accounts.....	-13		
90 Outlays.....	2,826	421	

<sup>1</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$70 thousand (1971 adjustments, -\$13 thousand); 1971, \$262 thousand; 1972, \$0; 1973, \$0.

This activity covers the costs of research administration, program planning and operations, administrative support, and executive direction. In 1972, the Department of Transportation Appropriation Act provided for financing administrative expenses within the Urban mass transportation fund; therefore, this account is being discontinued.

## Object Classification (in thousands of dollars)

Identification code 21-32-0800-0-1-503	1971 actual	1972 est.	1973 est.
Personnel compensation:			
11.1 Permanent positions	2,135		
11.3 Positions other than permanent	19		
Total personnel compensation	2,154		
12.1 Personnel benefits: Civilian	172		
21.0 Travel and transportation of persons	132		
22.0 Transportation of things	3		
23.0 Rent, communications, and utilities	47		
24.0 Printing and reproduction	61		
25.0 Other services	428		
26.0 Supplies and materials	19		
31.0 Equipment	59		
99.0 Total obligations	3,075		

## Personnel Summary

Total number of permanent positions	198		
Full-time equivalent of other positions	1		
Average paid employment	129		
Average GS grade	10.2		
Average GS salary	\$15,347		

## Public enterprise 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 (49 U.S.C. 1601 et seq., as amended by Public Law 91-453), in connection with the activities, including uniforms and allowances therefor, as authorized by law (5 U.S.C. 5901-5902); hire of passenger motor vehicles; and services as authorized by 5 U.S.C. 3109; **[\$6,300,000] \$7,130,000** to remain available until expended.

## RESEARCH, DEVELOPMENT, AND DEMONSTRATIONS AND UNIVERSITY RESEARCH AND TRAINING

For an additional amount for the urban mass transportation program, as authorized by the Urban Mass Transportation Act of 1964, as amended (49 U.S.C. 1601 et seq.), to remain available until expended; **[\$65,000,000] \$118,000,000**: *Provided*, That **[\$62,000,000] \$115,000,000** shall be available for research, development, and demonstrations, **[and \$3,000,000] \$2,500,000** shall be available for university research and training, and **\$500,000** shall be available for managerial training as authorized under the authority of the said act.

## LIQUIDATION OF CONTRACT AUTHORIZATION

**[An appropriation]** For payment to the urban mass transportation fund, for liquidation of contractual obligations incurred under authority of the Urban Mass Transportation Act of 1964 (49 U.S.C. 1601 et seq., as amended by Public Law 91-453), **[\$150,000,000] \$232,000,000**, to remain available until expended. (*Department of Transportation and Related Agencies Appropriation Act, 1972.*)

## Program and Financing (in thousands of dollars)

Identification code 21-32-4119-0-3-503	Administrative reservations			Costs and obligations		
	1971 actual	1972 est.	1973 est.	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>						
Capital outlay:						
Capital facilities grants	283,689	510,000	841,370	85,441	264,200	528,900
Technical studies grants	14,427	25,000	33,500	4,847	13,100	22,700
Research, development and demonstrations, grants and contracts	39,515	62,000	115,000	24,165	32,700	92,800
University research and training	2,989	3,000	2,500	1,563	1,700	1,800
Managerial training	420		500			300
Administrative expenses		6,175	7,130		3,200	4,800
Total grants, contracts and administrative expenses	341,040	606,175	1,000,000	116,016	314,900	651,300
Capital facilities loans	57,000			57,000		
Total grants, contracts, loans and administrative expenses	398,040	606,175	1,000,000	173,016	314,900	651,300
Administrative reservations:						
Start of year	147,359	211,322	211,322			
End of year	-211,322	-211,322	-211,322			
Change in selected resources <sup>1</sup>				161,061	291,275	348,700
10 Total capital outlay, obligations	334,077	606,175	1,000,000	334,077	606,175	1,000,000
<b>Financing:</b>						
Receipts and reimbursements from:						
11 Federal funds				-33		
14 Non-Federal sources (41 U.S.C. 1601 et seq.):						
Loan repayments				-200	-57,200	-200
Revenue				-178	-911	-300
17 Recovery of prior-year obligations				-3,745	-600	-300
Unobligated balance available, start of year:						
21.47 Authority to spend public debt receipts				-50,000		
21.49 Contract authority (unfunded):						
Reserved					-140,689	-211,322
Unreserved					-2,718,975	-2,112,675
21.98 Fund balance:						
Reserved				-147,359	-70,633	
Unreserved				-27,286	-11,102	-69,938
Unobligated balance available, end of year:						
24.49 Contract authority (unfunded):						
Reserved				140,689	211,322	211,322
Unreserved				2,718,975	2,112,675	1,112,675
24.98 Fund balance:						
Reserved				70,633		
Unreserved				11,102	69,938	70,738
27 Capital transfer to general fund				50,000		
Budget authority				3,096,675		

<sup>1</sup> Balances of selected resources are identified on the statement of financial condition.

## Public enterprise funds—Continued

## URBAN MASS TRANSPORTATION FUND—Continued

## LIQUIDATION OF CONTRACT AUTHORIZATION—continued

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

Identification code		Administrative reservations			Costs and obligations		
		1971 actual	1972 est.	1973 est.	1971 actual	1972 est.	1973 est.
	Budget authority:						
	Current authority:						
40	Appropriation.....				13,500	221,300	357,130
40.49	Appropriation to liquidate contract authority.....					-150,000	-232,000
43	Appropriation (adjusted).....				13,500	71,300	125,130
49	Contract authority.....				2,869,175		
	Reduction in unobligated contract authority.....					-71,300	-125,130
	Permanent authority:						
60	Appropriation.....				214,000		
	Relation of obligations to outlays:						
71	Obligations incurred, net.....				329,921	547,464	999,200
	Obligated balance, start of year:						
72.49	Contract authority (unfunded).....					9,511	323,878
72.98	Fund balance.....				256,999	404,393	357,911
	Obligated balance, end of year:						
74.49	Contract authority (unfunded).....				-9,511	-323,878	-966,748
74.98	Fund balance.....				-404,393	-357,911	-324,241
90	Outlays.....				173,016	279,579	390,000

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

	1971 actual	1972 est.	1973 est.
Unfunded balance, start of year.....		2,869,175	2,647,875
Contract authority.....	3,100,000		
Appropriations to Urban Mass Transportation Fund:			
Regular.....	-214,000	-71,300	-125,130
Continuing appropriations.....	-6,000		
Supplemental.....	-7,500		
Appropriation to Salaries and expenses (continuing appropriation).....	-3,325		
Adjusted contract authority.....	2,869,175	2,797,875	2,522,745
Unfunded balance end of year.....	-2,869,175	-2,647,875	-2,290,745
Appropriation to liquidate contract authority.....		150,000	232,000

This fund was established to finance all grants, contracts and loan activities authorized by the Urban Mass Transportation Act of 1964, as amended.

Under the provisions of the 1970 amendments (Urban Mass Transportation Assistance Act of 1970) authority to obligate \$3.1 billion was provided for the capital facilities, relocation, and technical studies activities. Grants and contracts for research, development, and demonstration; managerial training; and university research and training are funded through appropriations.

*Capital outlay.*—*Capital facility grants.*—Grants are made to State and local public agencies to assist in financing acquisition, construction, reconstruction, and improvement of facilities, in mass transportation service in urban areas. A grant may be made not to exceed two-thirds of the net project costs.

In 1973 the activity level will be \$841.4 million. This compares with \$510.0 million in 1972, and \$283.7 million in 1971. The greatest number of projects are for the purchase of new buses amounting to 154 ongoing projects. As of June 30, 1971, this activity has assisted in the purchase of 6,929 new buses for more than 100 transit properties. It is estimated that in 1973 this activity will assist in the purchase of 5,000 new buses, 65 commuter

rail cars and 300 rail rapid transit cars, with the latter projects requiring the highest dollar levels.

*Technical studies grants.*—Under this activity, State and local public agencies are assisted in carrying out studies relating to management operations, capital requirements, economic feasibility, and conducting similar activities in preparation for the construction, acquisition, or improved operation of mass transportation systems, facilities and equipment. In 1973 the program level for new projects will be \$33.5 million, with 160 estimated projects. This compares with \$25 million in 1972, with 197 projects, and \$14.4 million in 1971, with 163 projects.

*Research, development and demonstration, grants and contracts.*—This activity involves research, development and demonstration projects, which includes the development, testing, and demonstration of new facilities, equipment, techniques, and methods which assist in reducing urban transportation needs, improving mass transportation services, or in meeting total urban transportation needs at a minimum cost. In 1973 the program level for new projects will be \$115 million. This compares with \$62 million in 1972, and \$39.5 million in 1971.

*Managerial training.*—Grants under this activity, are made to public bodies to provide university fellowships for up to 1 year of advance training. Fellowship awards are made for the training of personnel employed in managerial, technical and professional positions in the urban mass transportation field. In 1973 the program level will be \$0.5 million with an estimated 100 fellowship awards.

*University research and training.*—Grants under this activity are awarded to public and private nonprofit institutions of higher learning. The grants are to assist in establishing or continuing programs which combine professional training in urban transportation, and related fields. In 1973 the program level will be \$2.5 million.

*Administrative expenses.*—This activity provides for carrying out administrative functions, including executive direction, budgeting, accounting, property management and personnel management. The urban mass trans-

portation program will be conducted at a \$1 billion level of new approvals in 1973. This level compares to \$606 million in 1972, and \$401 million in 1971. Also, there will be approximately 612 ongoing projects totaling \$1,131.5 million which must be administered.

**Capital facilities loans.**—Under this activity, two types of loans are available. Capital improvement loans are to finance the acquisition, construction, reconstruction and improvement of facilities and equipment. Loans are also provided for the advance acquisition of real property to be used as a part of planned mass transportation systems.

**Financing.**—The 1970 amendments to the Urban Mass Transportation Act of 1964 provided budget authority of \$3,100 million.

The amendments for 1970 provide an authorization for appropriations to liquidate obligations and, further, require that all other appropriations be accounted for within this authorization. This provision provides annual scheduled dollar limits which total \$1,860 million through June 30, 1975, and the balance, \$1,241 million, authorized for appropriation after June 30, 1975. For 1973, \$357 million is being requested and this compares with \$221 million and \$228 million appropriated in 1972 and 1971, respectively, which are charged to the authorization.

#### Revenue and Expense (in thousands of dollars)

	1971 actual	1972 est.	1973 est.
Revenue .....	178	911	300
Expenses .....	—	—6,175	—7,130
Net income or loss (—) for year .....	178	—5,264	—6,830

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

	1970 actual	1971 actual	1972 est.	1973 est.
<b>Assets:</b>				
Treasury balance:				
Cash .....	431,644	485,695	381,163	371,986
Obligated contract authority (unfunded) .....	—	9,511	323,878	966,748
Accounts receivable, net .....	90	455	57	57
Selected assets: Advances .....	—	—	1,000	1,000
Loans receivable, net .....	4,575	4,375	4,175	3,975
Equipment .....	—	72	201	324
Leasehold improvements .....	—	1,761	4,956	3,500
Other assets—contract authority unobligated unfunded .....	—	2,859,664	2,323,997	1,323,997
Authority to spend public debt receipts .....	50,000	—	—	—
<b>Total assets .....</b>	<b>486,309</b>	<b>3,361,533</b>	<b>3,039,427</b>	<b>2,671,587</b>
<b>Liabilities:</b>				
Accounts payable and accrued liabilities .....	18,980	26,261	26,261	26,261
<b>Government equity:</b>				
Obligation: <sup>1</sup>				
Undisbursed obligations:				
Grant, contracts and loan cash .....	238,109	378,154	286,021	276,044
Contract authority .....	—	9,511	323,878	966,748
Unobligated balance:				
Cash .....	174,645	81,735	69,938	70,738
Contract authority .....	—	2,859,664	2,323,997	1,323,997
Authority to spend public debt receipts .....	50,000	—	—	—
<b>Total unexpended balance .....</b>	<b>462,753</b>	<b>3,329,064</b>	<b>3,003,834</b>	<b>2,637,527</b>
Invested capital and earnings .....	4,575	6,208	9,332	7,799
<b>Total Government equity .....</b>	<b>467,328</b>	<b>3,335,272</b>	<b>3,013,166</b>	<b>2,645,326</b>

<sup>1</sup> The change in this item is reflected on the program and financing schedule.

#### Analysis of Changes in Government Equity (in thousands of dollars)

	1971 actual	1972 est.	1973 est.
<b>Non-interest-bearing capital:</b>			
Start of year .....	418,225	3,334,594	3,085,736
Appropriation during year .....	227,500	221,300	357,130
Contract authority, net .....	2,938,146	—	—
Accrued expenditures .....	—199,277	—470,158	—357,130
Transfer to general fund .....	—50,000	—	—
<b>End of year .....</b>	<b>3,334,594</b>	<b>3,085,736</b>	<b>2,705,730</b>
<b>Retained earnings:</b>			
Start of year .....	—897	—719	—5,983
Net income or loss (—) for year .....	178	—5,264	—6,830
<b>End of year .....</b>	<b>—719</b>	<b>—5,983</b>	<b>—12,813</b>

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

Identification code 21-32-4119-0-3-503	1971 actual	1972 est.	1973 est.
<b>URBAN MASS TRANSPORTATION ADMINISTRATION</b>			
Personnel compensation:			
11.1 Permanent positions .....	—	4,575	5,500
11.3 Positions other than permanent .....	—	55	70
11.5 Other personnel compensation .....	—	30	30
<b>Total personnel compensation .....</b>	<b>—</b>	<b>4,660</b>	<b>5,600</b>
12.1 Personnel benefits: Civilian .....	—	432	504
21.0 Travel and transportation of persons .....	—	200	186
22.0 Transportation of things .....	—	20	19
23.0 Rent, communications, and utilities .....	—	106	99
24.0 Printing and reproduction .....	—	75	71
25.0 Other services .....	—	60,685	99,264
26.0 Supplies and materials .....	—	150	138
31.0 Equipment .....	—	179	186
41.0 Grants, subsidies, and contributions .....	332,244	534,712	890,433
<b>Total obligations, Urban Mass Transportation Administration .....</b>	<b>332,244</b>	<b>601,219</b>	<b>996,500</b>
<b>ALLOCATION ACCOUNTS</b>			
31.0 Equipment .....	72	—	—
32.0 Lands and structures .....	1,761	4,956	3,500
<b>Total obligations, allocation accounts .....</b>	<b>1,833</b>	<b>4,956</b>	<b>3,500</b>
<b>99.0 Total obligations .....</b>	<b>334,077</b>	<b>606,175</b>	<b>1,000,000</b>
Obligations are distributed as follows:			
Urban Mass Transportation Administration .....	332,244	601,219	996,500
Federal Highway Administration .....	1,344	3,288	1,000
Federal Railroad Administration .....	489	1,668	2,500

#### Personnel Summary

Total number of permanent positions .....	313	348
Full-time equivalent of other positions .....	5	6
Average paid employment .....	270	377
Average GS grade .....	10.2	9.9
Average GS salary .....	\$14,865	\$14,381

## 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

**Public enterprise funds—Continued****SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION—Continued**

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 such Corporation except as hereinafter provided. (*Department of Transportation and Related Agencies Appropriation Act, 1972.*)

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

Identification code 21-35-4089-0-3-502	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Operating costs and interest, funded:			
1. Administrative expenses (limitation).....	686	749	771
2. Operations.....	2, 117	2, 390	2, 850
Subtotal (operating costs)....	2, 803	3, 139	3, 621
3. Interest on borrowings.....	400	-----	-----
Total operating costs and interest, funded.....	3, 203	3, 139	3, 621
Capital outlay, funded:			
1. Capital outlay (total).....	120	487	579
Total program costs, funded..	3, 323	3, 626	4, 200
Change in selected resources <sup>1</sup> .....	45	-----	-----
10 Total obligations.....	3, 368	3, 626	4, 200
<b>Financing:</b>			
14 Receipts and other reimbursements from: Non-Federal sources:			
Revenue.....	-6, 620	-7, 100	-7, 200
Proceeds from sale of equipment (40 U.S.C. 481(c)).....	-7	-30	-30
17 Recovery of prior year obligations.....	-3, 684	-----	-----
21.47 Unobligated balance available, start of year: Authority to spend public debt receipts.....	-3, 632	-7, 275	-7, 379
24.47 Unobligated balance available, end of year: Authority to spend public debt receipts.....	7, 275	7, 379	7, 409
27 Capital transfer to general fund <sup>2</sup> .....	3, 300	3, 400	3, 000
<b>Budget authority.....</b>			
Relation of obligations to outlays:			
71 Obligations incurred, net.....	-6, 943	-3, 504	-3, 030
Obligated balance start of year:			
72.47 Authority to spend public debt receipts.....	2, 568	-1, 074	-1, 178
72.98 Fund balance.....	319	894	894
Obligated balance, end of year:			
74.47 Authority to spend public debt receipts.....	1, 074	1, 178	1, 208
74.98 Fund balance.....	-894	-894	-894
90 Outlays.....	-3, 876	-3, 400	-3, 000

<sup>1</sup> Balances of selected resources are identified on the statement of financial condition.

<sup>2</sup> For retirement of bonds issued to U.S. Treasury.

The Saint Lawrence Seaway Development Corporation, a wholly Government-owned enterprise, is responsible for the development, operation, and maintenance of the Saint Lawrence Seaway. The Corporation is one of the seven operating administrations in the Department of Transportation with offices in the Department headquarters and in Massena, N.Y. (33 U.S.C. 981 et seq.).

The Corporation has joint responsibility with the Saint Lawrence Seaway Authority of Canada for the 114-mile reach of the international section of the Saint Lawrence River between Lake Ontario and St. Regis, N.Y. The principal facilities of the Corporation, located in the vicinity of Massena, N.Y., are the Eisenhower and Snell Locks, operational offices, marine equipment, maintenance shop, and appurtenant structures.

2. *Operations.*—This program provides for operation of the system including locks, traffic control, maintenance,

marine operations, comprehensive planning and development, engineering, systems and economic analysis, safety, and security. Lock operations are conducted on a 24-hour day, 7-day week basis throughout the navigation season. Maintenance functions which include repair and upkeep of locks, channels, floating plant, roads, bridges, and other facilities are performed throughout the year with some major maintenance items deferred to the off-navigation season. The most critical lock rehabilitation has been completed with only minor repair work and routine maintenance of the locks scheduled to be accomplished this year.

3. *Capital outlay.*—This program includes capital improvements and additions to our locks, channels and canals, navigational aids, and permanent buildings, as well as equipment purchases.

Recent analysis of the Corporation's income indicates that up to an additional \$800,000 per year is obtainable by extending navigation season for 30 days. The season extension program, including the design and construction of ice control structures, development of improved navigational aids, ice anchoring, extensive monitoring of winter conditions and aerial mapping is funded under the operations and capital outlay activities as appropriate.

Under the interagency season extension program, the Seaway Corporation has the prime responsibility for research, development, evaluation, and testing of ice control structures usable in the Saint Lawrence/Great Lakes System. Programs provide for conceptual designs of ice control structures including new design of booms, locks, or gates which could be applied specifically to the Saint Lawrence River. Prototype design is planned for early 1972.

*Financing.*—The Corporation was authorized by the legislation which created it to borrow \$140 million from the U.S. Treasury for financing the cost of constructing and improving the Seaway. To date, \$133.8 million of this borrowing authority has been used, with the unused balance of \$6.2 million being retained to meet any emergency requirements which may arise in the future.

*Operating results and financial condition.*—The Corporation estimates its revenues for 1973 will be \$7.2 million which it proposes to apply as follows:

1. \$3.6 million to pay operating expenses consisting of administrative expenses of \$0.8 million (subject to congressional limitation) and \$2.8 million for operations.

2. \$0.6 million to pay estimated capital outlay costs consisting of channel and lock improvements and necessary equipment purchases.

3. \$3.0 million for the redemption of Corporation's revenue bonds issued to the U.S. Treasury.

**Revenue and Expenses (in thousands of dollars)**

	1971 actual	1972 est.	1973 est.
<b>Operating program:</b>			
Revenue:			
Shipping tolls.....	6, 536	7, 050	7, 150
Other.....	84	50	50
Total revenue.....	6, 620	7, 100	7, 200
Expense:			
Administrative.....	686	749	771
Operation and maintenance.....	2, 117	2, 390	2, 850
Total expense.....	2, 803	3, 139	3, 621
Net operating income.....	3, 817	3, 961	3, 579
<b>Nonoperating income or loss:</b>			
Proceeds from sale of equipment.....	7	30	30

Net book value of assets sold.....	-7	-30	-30
Net gain or loss from sale of equipment.....			
Interest expense.....	400		
Provision for depreciation and losses.....	<sup>1</sup> 857	1,650	1,650
Net nonoperating loss.....	-1,257	-1,650	-1,650
Net income or loss for the year.....	2,560	2,311	1,929

**Financial Condition (in thousands of dollars)**

	1970 actual	1971 actual	1972 est.	1973 est.
<b>Assets:</b>				
Drawing account with Treasury.....	319	894	894	894
Accounts receivable, net.....	295	485	485	485
Accrued tolls, receivable, unbilled.....	400	250	250	250
Selected assets, supplies <sup>1</sup> .....	155	161	161	161
Fixed assets, net.....	115,122	108,538	107,345	106,244
<b>Total assets.....</b>	<b>116,291</b>	<b>110,328</b>	<b>109,135</b>	<b>108,034</b>
<b>Liabilities:</b>				
Accounts payable and accrued liabilities.....	3,546	479	375	345
<b>Government equity:</b>				
Obligations:				
Undelivered orders <sup>1</sup> .....	36	75	75	75
Unobligated balance.....	3,632	7,275	7,379	7,409
Undrawn authorizations.....	-6,200	-6,200	-6,200	-6,200
<b>Total funded balance.....</b>	<b>-2,532</b>	<b>1,150</b>	<b>1,254</b>	<b>1,284</b>
Invested capital and earnings.....	115,277	108,699	107,506	106,405
<b>Total Government equity.....</b>	<b>112,745</b>	<b>109,849</b>	<b>108,760</b>	<b>107,689</b>

<sup>1</sup> The changes in these items are reflected on the program and financing schedule.**Analysis of Changes in Government Equity (in thousands of dollars)**

	1971 actual	1972 est.	1973 est.
<b>Interest-bearing capital:</b>			
Revenue bonds:			
Start of year.....	133,476		
Reclassification to non-interest-bearing debt.....	-133,476		
<b>End of year.....</b>			
<b>Deferred interest:</b>			
Start of year.....	21,030		
Deferred during year, net.....			
Reclassification of prior year's current interest liability.....	3,526		
Forgiveness of accrued and unpaid interest.....	-24,556		
<b>End of year.....</b>			
<b>Total interest-bearing capital.....</b>			
<b>Non-interest-bearing capital:</b>			
Start of year.....		130,176	126,776
Reclassification to non-interest-bearing debt.....	133,476		
Repayment of borrowings from Treasury.....	-3,300	-3,400	-3,000
<b>End of year.....</b>	<b>130,176</b>	<b>126,776</b>	<b>123,776</b>
<b>Deficit:</b>			
Start of year.....	-41,761	-20,327	-18,016
Adjustment of unpaid interest.....	18,874		
Net income or loss for the year.....	2,560	2,311	1,929
<b>End of year.....</b>	<b>-20,327</b>	<b>-18,016</b>	<b>-16,087</b>
<b>Total Government equity (end of year).....</b>	<b>109,849</b>	<b>108,760</b>	<b>107,689</b>

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

Identification code 21-35-4089-0-3-502	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	1,340	1,369	1,494
11.3 Positions other than permanent.....	56	68	68
11.5 Other personnel compensation.....	51	75	75

11.8 Special personal services payment.....	4	4	4
<b>Total personnel compensation.....</b>	<b>1,451</b>	<b>1,516</b>	<b>1,641</b>
12.1 Personnel benefits: Civilian.....	130	167	180
21.0 Travel and transportation of persons.....	40	67	67
22.0 Transportation of things.....	4	12	12
23.0 Rent, communications, and utilities.....	63	90	90
24.0 Printing and reproduction.....	124	125	125
25.0 Other services.....	105	331	489
26.0 Supplies and materials.....	227	325	513
31.0 Equipment.....	83	146	97
32.0 Lands and structures.....		83	200
41.0 Grants, subsidies, and contributions.....	10	15	15
43.0 Interest and dividends.....	400		
93.0 Administrative expenses (see separate schedule).....	686	749	771
<b>Total costs, funded.....</b>	<b>3,323</b>	<b>3,626</b>	<b>4,200</b>
94.0 Change in selected resources.....	45		
<b>99.0 Total obligations.....</b>	<b>3,368</b>	<b>3,626</b>	<b>4,200</b>

**Personnel Summary**

Total number of permanent positions.....	140	157	157
Full-time equivalent of other positions.....	5	6	7
Average paid employment.....	136	156	156
Average GS grade.....	9.7	9.9	9.9
Average GS salary.....	\$13,416	\$13,836	\$14,055
Average salary of ungraded positions.....	\$9,171	\$10,272	\$10,580

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

Not to exceed **[\$749,000]** \$771,000 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, hire of passenger motor vehicles, 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, 1972.*)

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

	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
Administration (total accrued expenses—costs).....	686	749	771
<b>Financing:</b>			
Unobligated balance lapsing.....	43		
<b>Limitation.....</b>	<b>729</b>	<b>749</b>	<b>771</b>

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

Identification code 21-35-4089-0-3-502	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	401	466	473
11.3 Positions other than permanent.....	25	25	25
11.8 Other personal services payment.....	8	8	8
<b>Total personnel compensation.....</b>	<b>434</b>	<b>499</b>	<b>506</b>
12.1 Personnel benefits: Civilian.....	37	42	43
21.0 Travel and transportation of persons.....	23	30	30
22.0 Transportation of things.....	2	10	10
23.0 Rent, communications, and utilities.....	34	34	34
24.0 Printing and reproduction.....	57	57	57
25.0 Other services.....	88	66	79
26.0 Supplies and materials.....	11	11	12
93.0 Administrative expenses included in schedule for fund as a whole.....	-686	-749	-771
<b>99.0 Total obligations.....</b>			

**Personnel Summary**

Total number of permanent positions.....	36	36	36
Full-time equivalent of other positions.....	3	3	3
Average paid employment.....	37	37	37
Average GS grade.....	8.4	8.7	8.7
Average GS salary.....	\$12,891	\$13,124	\$13,346

## NATIONAL TRANSPORTATION SAFETY BOARD

## Federal Funds

## General and special funds:

## SALARIES AND EXPENSES

For necessary expenses of the National Transportation Safety Board, [including employment of temporary guards on a contract or fee basis; hire, operation, maintenance, and repair of aircraft; hire of passenger motor vehicles; services as authorized by 5 U.S.C. 3109; and uniforms, or allowances therefor, as authorized by law (5 U.S.C. 5901-5902); \$7,150,000] \$7,450,000. (49 U.S.C. Section 1651 et seq.; Department of Transportation and Related Agencies Appropriation Act, 1972.)

## Program and Financing (in thousands of dollars)

Identification code 21-40-0110-0-1-506	1971 actual	1972 est.	1973 est.
<b>Program by activities:</b>			
1. Policy formulation, legal assistance, and information services.....	566	594	618
2. Program execution and support.....	683	717	756
3. Investigation of aviation accidents and safety problems.....	4,154	4,576	4,872
4. Investigation of surface accidents and safety problems.....	630	775	857
5. Certificate or license appeal.....	239	275	347
Total program costs, funded <sup>1</sup> .....	6,272	6,937	7,450
Change in selected resources <sup>2</sup> .....	102	-----	-----
10 Total obligations.....	6,374	6,937	7,450
<b>Financing:</b>			
25 Unobligated balance lapsing.....	25	213	-----
40 Budget authority (appropriation)....	6,399	7,150	7,450
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	6,374	6,937	7,450
72 Obligated balance, start of year.....	366	447	497
74 Obligated balance, end of year.....	-447	-497	-597
77 Adjustments in expired accounts.....	-1	-----	-----
90 Outlays.....	6,292	6,887	7,350

<sup>1</sup> Includes capital outlay as follows: 1971, \$25 thousand; 1972, \$35 thousand; 1973, \$35 thousand.

<sup>2</sup> Selected resources as of June 30 are as follows: Unpaid undelivered orders, 1970, \$116 thousand; 1971, \$218 thousand; 1972, \$218 thousand; 1973, \$218 thousand.

The Department of Transportation Act charges the National Transportation Safety Board with the functions of accident investigation, safety promotion and accident prevention, and reviewing on appeal actions against certificates or licenses issued by the Department of Transportation.

1. *Policy formulation, legal assistance, and information services.*—This activity covers the formulation and development of policy and program objectives, providing legal advice and assistance to the Safety Board components, rendering decisions on transportation safety matters, and providing information services concerning the Safety Board's activities.

2. *Program execution and support.*—This activity covers the centralized management, control, and execution of day-to-day operations of the Safety Board's programs.

3. *Investigation of aviation accidents and safety problems.*—This activity covers investigations of all U.S. civil aviation accidents, except investigations which are delegated to the Federal Aviation Administration for factfinding purposes; determination of accident cause and reporting the facts and circumstances in all aviation accidents; conducting special studies and special investigations; and making recommendations to prevent aviation

transportation accidents and promote aviation transportation safety.

4. *Investigation of surface accidents and safety problems.*—This activity covers the fields of railroad, highway, pipeline, and marine safety. The Safety Board delegates accident cause determinations of most accidents to the administrations within the Department of Transportation, but reserves the right to make cause determinations and report the facts and circumstances of all surface transportation accidents which it declares to be major. The Safety Board conducts surface transportation studies and special investigations and acts as an energizer in surface transportation by making recommendations to prevent surface transportation accidents and to promote surface transportation safety.

5. *Certificate or license appeal.*—This activity covers the review on appeal of the suspension, amendment, modification, revocation, or denial of any certificate or license issued by the Secretary or an Administrator of the Department of Transportation.

## Object Classification (in thousands of dollars)

Identification code 21-40-0110-0-1-506	1971 actual	1972 est.	1973 est.
<b>Personnel compensation:</b>			
11.1 Permanent positions.....	4,670	5,013	5,256
11.3 Positions other than permanent.....	38	63	63
11.5 Other personnel compensation.....	68	40	74
11.8 Special personal services payments.....	57	57	64
Total personnel compensation.....	4,833	5,173	5,457
12.1 Personnel benefits: Civilian.....	419	446	466
21.0 Travel and transportation of persons.....	286	363	395
22.0 Transportation of things.....	20	20	20
23.0 Rent, communications, and utilities.....	136	141	191
24.0 Printing and reproduction.....	125	189	250
25.0 Other services.....	379	523	579
26.0 Supplies and materials.....	48	47	57
31.0 Equipment.....	25	35	35
42.0 Insurance claims and indemnities.....	1	-----	-----
Total costs, funded.....	6,272	6,937	7,450
94.0 Change in selected resources.....	102	-----	-----
99.0 Total obligations.....	6,374	6,937	7,450

## Personnel Summary

Total number of permanent positions.....	281	289	289
Full-time equivalent of other positions.....	7	10	10
Average paid employment.....	272	279	280
Average GS grade.....	11.4	11.2	11.2
Average GS salary.....	\$17,766	\$16,972	\$17,198

## Trust Funds

## DONATIONS

## Program and Financing (in thousands of dollars)

Identification code 21-40-8969-0-7-506	1971 actual	1972 est.	1973 est.
<b>Financing:</b>			
21 Unobligated balance available, start of year.....	-28	-28	-28
24 Unobligated balance available, end of year.....	28	28	28
Budget authority.....	-----	-----	-----
<b>Relation of obligations to outlays:</b>			
71 Obligations incurred, net.....	-----	-----	-----
90 Outlays.....	-----	-----	-----

Donations received are to be used in connection with aircraft accident investigation work.



### 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; and uniforms, or allowances therefor, as authorized by law (5 U.S.C. 5901-5902).

SEC. 302. Funds appropriated under this Act for expenditure by the Federal Aviation Administration may be expended for reimbursement of other Federal agencies for expenses incurred, on behalf of the Federal Aviation Administration, in the settlement of claims for damages resulting from sonic boom in connection with research conducted as part of the civil supersonic aircraft development.

SEC. 303. None of the funds provided in this Act shall be available for administrative expenses in connection with commitments for grants-in-aid for airport development aggregating more than \$280,000,000 in fiscal year 1972.

SEC. 304. 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 \$40,000,000 for "Highway Beautification" in fiscal year 1972.

SEC. 305. 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 \$80,000,000 in fiscal year 1972 for "State and Community Highway Safety" and "Highway-Related Safety Grants".

SEC. 306. 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 \$20,000,000, exclusive of the reimbursable program, in fiscal year 1972 for "Forest Highways".

SEC. 307. 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 \$10,000,000 in fiscal year 1972 for "Public Lands Highways".

SEC. 308. None of the funds provided in this Act shall be available for administrative expenses in connection with commitments for grants for Urban Mass Transportation aggregating more than \$900,000,000 in fiscal year 1972.

SEC. 309. 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. 310. 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 Water-

way 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. 311. 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. 312. 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. 313. Appropriations under this Act for the Federal Aviation Administration may be expended for necessary expenses to establish, conduct, and carry out the International Aeronautical Exposition in an amount not to exceed \$3,780,000: *Provided*, That funds so expended shall be reimbursed to the appropriation from which expended out of revenues credited to the appropriation "Federal Aviation Administration/United States International Aeronautical Exposition", in chapter XI of Public Law 92-18.

SEC. 306. Funds appropriated under this Act for expenditure by the Federal Aviation Administration and the Coast Guard shall be available (1) for expenses of primary and secondary schooling for dependents of Federal Aviation Administration and Coast Guard 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. 307. 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. (Department of Transportation and Related Agencies Appropriation Act, 1972.)