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A survey was conducted to identify all facility acquisition activity centers in the Federal Government and to prepare an index of this information for internal use. In conducting the survey, the Office of Federal Procurement Policy (OFPP) asked Federal agencies whether they financed direct Federal construction, federally assisted construction programs, or both. The agencies were then contacted to determine specifically what construction functions they perform. Findings/Conclusions: Indexes are provided of agencies performing construction function activities for direct Federal construction, including the kind of direct construction performed and the approximate percentage of each kind, and for agencies financing federally assisted construction. Appendices include indexes of agencies performing the following functions: determining space requirements, making buy-build-lease decisions, handling facilities acquisitions, conducting or contracting for predesign studies, preparing prospectus for projects, preparing or contracting for preparation of Environmental Impact Statements, handling the selection of architects/engineers, contracting of design services, performing design in-house, reviewing and approving design, handling bidding and awarding of construction contracts, making construction inspections, acting as construction manager, contracting for construction management services, administering contracts, and performing facility renovations. Another index lists agencies: requiring energy analysis on new construction or alterations; requiring life-cycle cost analysis; using agency-developed design criteria; possessing internal design, engineering, and/or construction offices; and conducting or sponsoring construction related research (RRS)

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STUDY BY THE STAFF OF THE U.S.

General Accounting Office

Index Of Construction Functions Performed By Federal Agencies

This staff study presents information developed during our survey of Federal organizations performing construction functions and related activities. We consider "construction functions" to be all facility acquisition activities from preconcept planning through the completion of construction, including design and the monitoring of construction.



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ABBREVIATIONS

A/E	architect/engineer
EIS	environmental impact statement
GSA	General Services Administration
OFPP	Office of Federal Procurement Policy

CHAPTER 1

INTRODUCTION

This staff study presents information developed during our survey of Federal organizations performing construction functions and related activities. We consider "construction functions" to be all facility acquisition activities from preconcept planning through the completion of construction, including design and the monitoring of construction. The objective of the survey was to specifically identify the facility acquisition activity centers in the Federal Government and to prepare an index of this information for internal use. It is hoped that the indices in the appendices will be useful and facilitate the planning of audits in the facilities issue area and the evaluation of corrective action recommendations intended for Government-wide application.

CHAPTER 2

DEFINITION OF

CONSTRUCTION FUNCTIONS AND OTHER TERMS

The process of constructing a building is an extremely complex operation. Each Federal agency has its own definition for the various design and construction phases which comprise the general area of construction functions. Agencies have adapted these phases to their own organizations and their own management information systems. Construction functions take place both sequentially and simultaneously and consequently usually overlap, making precise definition extremely difficult.

PRELIMINARY PLANNING

By definition preliminary planning is the initial phase in the acquisition of a new facility. It involves all the activities leading to the leasing, purchase, or construction of facilities to fulfill existing or anticipated space requirements. This phase includes such activities as the determination of space requirements, the build-buy-lease decision, feasibility studies, environmental impact statements (EISs), and community surveys. Once the decision to build has been made, preliminary planning activities include site investigations, land appraisals, topographical surveys, test borings, the preparation of a prospectus, and other predesign activities.

DESIGN

Design is a complex process usually performed by an architect/engineer (A/E), beginning with the collection of relevant data and ending with specifications, miscellaneous computation sheets, and a set of drawings which together describe a building or some part of it. This documentation includes or describes the building arrangements, structures, materials, locations, sitings, equipment, functions, utilities, and all other appurtenances.

Design includes parts of preliminary planning and all of the preliminary design, detailed design, and redesign work. Because these activities overlap each other during the design phase, their limits are vague and it is not always easy to identify the exact phase at a given time. Design and planning are also so interrelated that clear-cut

separation rarely occurs. Output from each provides additional input for each other from the beginning to the end of a project. Although details and terminology vary somewhat from agency to agency and from locale to locale, four major phases are typical to most design projects.

Preliminary design

Preliminary design, also called the programming or briefing phase, is the phase in which feasibility and other preliminary research studies are conducted, and the requirements for the proposed building are developed and agreed upon. Types of activities included in this phase are

- economic feasibility analyses,
- activity analyses,
- space requirement projections,
- circulation analyses,
- population density analyses, and
- preparation of cluster and bubble diagrams.

Sketch design

This phase includes exploring design alternatives and developing and agreeing upon a final design. Some sketch design activities are sometimes defined as part of the preliminary design phase. Sketch design activities include

Site planning

- Site mapping
- Slope analysis
- Drainage analysis
- Cut and fill analysis
- View analysis
- Accessibility analysis
- Overlay mapping analysis
- Site plan synthesis

Schematic design

- Floor plan layout
- Three-dimensional spatial synthesis

Performance and cost
analysis of proposals

Checking for compliance with specifications and other requirements
Circulation analysis
Preliminary structural computation
Heat gain computation
Heat loss computation
Insulation and shadow pattern analyses
Natural lighting computation
Artificial lighting computation
Sound transmission computation
Reverberation time computation
Preliminary cost estimate
Life-cycle cost computation
Plotting sketch plans, elevations, and sections
Plotting perspectives
Preparing an approximate schedule for completion

Detailed design

The detailed design (construction document phase) is the phase in which detailed design decisions are made and working drawings and specifications for the proposed building are produced. This phase normally concludes with the calling for bids from construction contractors to undertake the work described in the drawings and specifications, and the awarding of the contract to the successful bidder. Activities of this phase include

Detail design

Selection of building materials
Structural member selection and sizing
Mechanical and electrical system detail designs
Duct, pipe, and electrical network layouts
Life-cycle cost analyses
Energy consumption analyses

Costing

Generation of bills of quantities
Pricing of bills of quantities
Cost analyses

Production

Generation of schedules
Generation of specifications
Plotting of working drawings

Construction supervision

Construction supervision is the final phase under design. Generally the architect is responsible for monitoring the construction contractors' operations. As such, the architect either inspects or participates in the inspection of construction, materials, and equipment for the project to insure that the contractor is complying with the contract's specifications and other requirements.

CONSTRUCTION

Construction is the physical task of erecting a new facility or modifying an existing facility. As stated above, the construction contractor is responsible for complying with all the contract's specifications and other requirements.

CONSTRUCTION MANAGEMENT

Construction management is an alternative to the traditional building process which has emerged in recent years. The construction management approach can vary greatly, but generally speaking, a construction manager can provide several services to the owner through the various phases of a project, but does not do design work. For example, the construction manager could provide the following services:

- Cost analysis and estimating services during design phases.
- Help owner and A/E analyze how projects should be assembled into contract package.
- Handle scheduling of design and/or construction.
- Advise owners and A/Es on cost factors of various construction materials and methods.
- Assist in obtaining proposals and awarding contracts.
- Coordinate inspections by A/Es.
- Carry out some or all of the inspection of the contractor's work on behalf of the owner.
- Carry out predesign programing or requirements and/or coordinates predesign planning.

CONTRACT ADMINISTRATION

On any given Federal project, several different contracts could be involved. Some of the preliminary planning could be done under contract. Both the design and construction of a new facility usually are contracted out, and more recently a construction manager contract could be involved. Each of these contracts would have to be administered by a contracting officer. For the purposes of this study, the activities of contract administration for construction-related work is considered to be a construction function.

DEFINITION OF OTHER TERMS

The following sections define some of the commonly used terms for design and construction in the Federal Government.

Transfer construction project

The General Services Administration (GSA) performs this construction project for another Government agency. The client-agency then reimburses GSA from funds which the Congress has previously appropriated to the client-agency for the project.

Space planning directive

This formalized communication from a client-agency provides the architect with the information needed to prepare his preliminary plans and configuration drawings. The directive includes not only the space requirements, but also the specific usage planned for each space.

Communications between the client-agency and the architect are not limited to the space planning directive. Personal meetings between the client and the architect are held as needed. When properly prepared, the space planning directive can reduce the number and length of these meetings.

Prospectus

A printed preliminary statement describing a project, including, but not limited to

- a brief description of the proposed facility,
- an estimate of the proposed facility, and
- an EIS.

Descriptive and prescriptive specifications

These specifications are written descriptions of a part, an assembly, or a piece of equipment with regard to

- its physical properties;
- its chemical properties;
- the relationship of moving parts;
- the sequence of assembly;
- the manufacturing process(es) to be used; and/or
- the manufacturer's name, model number, catalog number, or other specific identifications.

Performance specifications

Performance specifications describe the results to be obtained by or from a part, an assembly, a system, or an entire building. An accompanying test usually specifies and describes an acceptable level of the desired function. When performance specifications are used, the construction contractor must furnish parts, materials, equipment, and workmanship that will result in the work possessing the physical, chemical, and/or functional properties of whatever he supplies to meet the noted acceptable level of function.

Final design drawings

These drawings have been approved by the A/E and have been reviewed, approved, and signed by the contracting officer or his authorized agent. These drawings are used by the construction contractors to prepare their bids.

Working drawings

These drawings represent and specifically describe systems, subsystems or assemblies, or individual pieces which comprise a subassembly or an assembly. The description on the drawing is so complete that the items or pieces may be purchased or made from the information provided.

As-built drawings

These drawings (modified as necessary at the completion of construction) accurately represent the building as it was actually constructed. They are particularly valuable for underground installation and underground utilities, and especially at the time a building is remodeled, reworked, or expanded.

CHAPTER 3

AGENCIES PERFORMING CONSTRUCTION FUNCTIONS

The Public Buildings Act of 1959, as amended (40 U.S.C. 601-615) provides under section 601 that "No public building shall be constructed except by the Administrator [of General Services], who shall construct such public building in accordance with this chapter." ((Ch. 12) (Public Law 86-249, Sec. 2, Sept. 9, 1959, 73 Stat 479.)) While it would appear from this statement that only GSA has the authority to construct buildings for Government use, this is not the case. In defining the term "public building," the act excludes construction projects in specific categories.

Under section 612 of the act, "public building" is defined as meaning:

"* * * any building, whether for single or multi-tenant occupancy, its grounds, approaches, and appurtenances, which is generally suitable for office or storage space or both for the use of one or more Federal agencies or mixed ownership corporations, and shall include:

- (i) Federal office buildings,
- (ii) post office,
- (iii) customhouses,
- (iv) courthouses,
- (v) appraisers stores,
- (vi) border inspection facilities,
- (vii) warehouses,
- (viii) record centers,
- (ix) relocation facilities, and
- (x) similar Federal facilities, and
- (xi) any other buildings or construction projects the inclusion of which the President may deem, from time to time hereafter, to be justified in the public interest:

but shall not include any such buildings and construction projects:

- (A) on the public domain (including that reserved for national forests and other purposes),
- (B) on properties of the United States in foreign countries,
- (C) on Indian and native Eskimo properties held in trust by the United States,

- (D) on lands used in connection with Federal programs for agricultural, recreational, and conservation purposes, including research in connection therewith,
- (E) on or used in connection with river, harbor, flood control, reclamation or power projects, or for chemical manufacturing or development projects, or for nuclear production, research, or development projects,
- (F) on or used in connection with housing and residential projects,
- (G) on military installations (including any fort, camp, post, naval training station, airfield, proving ground, military supply depot, military school, or any similar facility of the Department of Defense),
- (H) on Veterans' Administration installations used for hospital or domiciliary purposes, and
- (I) the exclusion of which the President may deem, from time to time hereafter, to be justified in the public interest." (Public Law 86-249, sec. 13 , Sept. 9, 1959, 73 Stat 482.)

In addition, construction authority, under certain acts, is granted to specific agencies. For example, the Department of Health, Education, and Welfare is granted, in the Public Health Service Act, as amended (42 U.S.C. 201 et seq.), authority to "acquire, construct, improve, repair, operate, and maintain laboratory, research, and other necessary facilities and equipment, and such other real or personal property (including patents) as the Secretary deems necessary; * * *."

AGENCIES IDENTIFIED

In March 1977, the Office of Federal Procurement Policy (OFPP) conducted a survey of Federal agencies to gather data on Federal construction activities. Among other things, OFPP asked whether the responding agency financed direct Federal construction or federally assisted construction programs, or both. We used this information and other data in the agencies' answers to identify those agencies involved in construction functions. We then contacted many of the agencies to determine specifically what construction functions they perform. All of the major construction agencies were contacted. However, we did not contact all of the smaller agencies or all the organizational elements of a departmental agency. Consequently, some agencies will appear as performing construction functions, but do not appear in any of the indices for specific construction activities.

The following agencies were identified by the above process as performing construction function activities for direct Federal construction. The kind of direct construction performed and the approximate percentage of each kind are also shown. Information given was generally for fiscal year 1976. Care should be taken in using these percentages on the smaller activities because they vary a great deal from year to year. For example, an agency could show 100 percent for a particular kind of construction in one year, but none in the preceding and following years.

Department of Agriculture

Office of the Secretary
Office of Operations

Agricultural Research Service
General Services Division
Research laboratories and supporting facilities--100 percent.

Animal and Plant Health Inspection Service
Procurement and Contracting Branch, Administrative Services Division
Laboratory and office buildings--97 percent and animal import centers--3 percent.

Forest Service
Administrative Services
Roads, trails, and bridges--75 percent, water and sanitation--6 percent, recreation facilities--5 percent, office and laboratory buildings--8 percent, residential buildings--3 percent, flood control--2 percent, and fences--1 percent.

Soil Conservation Service
Administrative Services Division
Flood control facilities--77 percent, recreation developments--16 percent, irrigation facilities--5 percent, and critical area treatment--2 percent.

Department of Commerce

Office of the Assistant Secretary for Administration
Office of Administrative Services and Procurement
Physical education facilities--25 percent, training facilities--10 percent, dining facilities--10 percent, pier construction--10 percent, computer facilities--15 percent, paving--5 percent, and building alterations (special facilities)--25 percent.

Maritime Administration

Office of Administrative Services

Office buildings--51 percent, grounds and roadwork--
26 percent, fire fighting--1 percent, utilities--
17 percent, and waterfront improvements--5 percent.

National Bureau of Standards

Plant Division

National Fire Protection and Control Administration

National Oceanic and Atmospheric Administration

Administrative Operations Division

Office buildings--14 percent, laboratories--32 per-
cent, tide stations--13 percent, weather data ac-
quisition facilities--25 percent, and fish hatching
and rearing facilities--16 percent.

United States Travel Service

Department of Defense

Office of the Assistant Secretary of Defense for Manpower,
Reserve Affairs and Logistics

Office of the Deputy Assistant Secretary for Installations
and Housing

Department of the Air Force

Engineering and Construction Division

Light industrial and administrative facilities--
89 percent and family housing--11 percent.

National Guard Bureau, Air National Guard, Civil Engineer-
ing

Operational facilities--24 percent, maintenance faci-
lities--48 percent, training facilities--8 percent,
and general support facilities--20 percent.

Air Force Reserves

Operational facilities--12 percent, maintenance--
17 percent, training--30 percent, and support--
41 percent.

Department of the Army

Office of the Chief of Engineers (Corps of Engineers)

Office buildings--50 percent, residential buildings--
10 percent, flood control facilities--20 percent,
highways and bridges--20 percent.

National Guard Bureau, Military Construction Army Na-
tional Guard Program

Troop living facilities--94 percent and ranges, range roads, and range buildings--6 percent.

Department of the Navy

Naval Facilities Engineering Command

Maintenance/production--25 percent, family housing--14 percent, medical--13 percent, utilities--11 percent, bachelor housing--9 percent, operational--9 percent, training--9 percent, RDT&E--3 percent, community support--2 percent, administrative--2 percent, supply--1 percent, and roads--1 percent.

Defense Logistics Agency

Cameron Station

Buildings--42 percent, warehouses--41 percent, service areas--12 percent, roads--3 percent, and railroads--2 percent.

Defense Mapping Agency

Utilities--60 percent, structures--38 percent, and roads and parking--2 percent.

Defense Nuclear Agency

Office buildings--85 percent, R&D structures--11 percent, and parking--4 percent.

Department of Energy

Office of the Secretary

Office of Construction and Facilities Management

Test facilities, nuclear waste storage facilities, production and processing facilities, laboratory facilities, associated supporting facilities, prototype and demonstration projects, petroleum product storage facilities, salt dome cavern conversion, pipelines, and marine terminal facilities. (Percentage breakdown not available.)

Department of Health, Education, and Welfare

Office of the Secretary

Office of Facilities Engineering and Property Management

Hospitals--78 percent, laboratories--12 percent, residencials--8 percent, and schools--2 percent.

Public Health Service

Alcohol, Drug Abuse, and Mental Health Administration

Hospitals--92 percent, pollution control--1 percent, land stabilization--2 percent, paving--1 percent, and utilities--3 percent.

Center for Disease Control

Office space alterations--65 percent and laboratory building repairs/improvements--35 percent.

Food and Drug Administration

Laboratories and animal holding rooms--75 percent, offices--10 percent, and structural and utility repairs--15 percent.

Health Resources Administration

Health Services Administration

Hospital expansion and renovation, health clinic expansion and renovation, staff housing, street repair, water and sewer projects, and modernization of hospitals. (Percentage breakdown not available)

National Institutes of Health

Research--80 percent, animal--10 percent, and support facilities--10 percent.

Office of Education

Social Security Administration

Office buildings--100 percent.

Department of Housing and Urban Development

Office of the Assistant Secretary for Administration

Office of Procurement and Contracts

Repair and alteration of single family and multi-family residential buildings--100 percent.

Department of the Interior

Bonneville Power Administration

Right-of-way preparation--5 percent, substation--12 percent, building--1 percent, transmission lines--64 percent, yard and substation addition--6 percent, reconductor--6 percent, and miscellaneous and repairs--6 percent.

Bureau of Indian Affairs

Administrative Division, Property Management, and Division of Facility Engineering

Highways and bridges--35 to 100 percent, schools--4 to 90 percent, sewage and utilities--1 to 100 percent, power facilities--0 to 18 percent, and residential homes--1 to 4 percent. (Program varies greatly from year to year; hence, Bureau provided ranges based on several years' experience.)

Bureau of Land Management

Office of Assistant Director for Administration

Roads--15 percent, recreation sites and buildings--12 percent, pipelines--7 percent, fences--35 percent, reservoirs--13 percent, wells--10 percent, and other--8 percent.

Bureau of Mines

Division of Procurement

Buildings--54 percent, laboratory facilities--2 percent, trailer filling facilities--2 percent, coal crop fire contracts--18 percent, hydraulic-backfilling projects--11 percent, repair and maintenance--11 percent, and roads--2 percent.

Bureau of Reclamation

Division of Procurement and Property, and Division of General Engineering

Service and warehouse buildings--2 percent, pumping plants--2 percent, powerplants--1 percent, roads and bridges--3 percent, dams--13 percent, canals and conduits--45 percent, lateral distribution systems and drains--17 percent, transmission lines--9 percent, electrical switchyards--5 percent, recreational facilities--1 percent, dredging--1 percent, and other--1 percent.

Fish and Wildlife Service

Office of Associate Director--Fisheries; Office of Engineering, and the Denver Service Center

Service buildings--28 percent, water treatment systems--34 percent, wells and water control--15 percent, rearing ponds--18 percent, sewage treatment plant--1 percent, road rehabilitation--2 percent, erosion control--1 percent, and relocation of utilities--1 percent.

National Park Service

Office of Assistant Director for Planning and Development, Park Planning and Environmental Compliance, and Design and Technology

Public buildings--35 percent, highways, roads, trails, and bridges--30 percent, residential buildings--20 percent, water facilities--5 percent, flood control--2 percent, sewer system--2 percent, elevators--2 percent, and landscaping--1 percent.

Southwestern Power Administration

Contracting Officer

Office buildings--50 percent, residential buildings--10 percent, flood control facilities--20 percent, highways and bridges--20 percent.

Department of Justice

Bureau of Prisons

Prison construction--100 percent.

Federal Bureau of Investigation

Office building--64 percent and roadway--36 percent.

Federal Prison Industries, Inc.

Building and Improvement Program

FPI/Prison construction--100 percent.

Immigration and Naturalization Service

Administrative Division, Engineering Branch

Border stations--40 percent and alien detention facilities--60 percent.

Department of Labor

Employment and Training Administration

Office of Administrative Services

Office buildings and classrooms--100 percent.

Department of State

Bureau of Administration

Office of Foreign Buildings

Office buildings--72 percent and residential--28 percent.

Department of Transportation

Office of the Secretary of Transportation

Office of the Director of Installations and Logistics

Miscellaneous construction--100 percent.

Federal Aviation Administration

Airway Facilities Service, Metropolitan Washington Airports, and Regional Offices

Special purpose buildings--3 percent, general purpose buildings--1 percent, facilities other than buildings--38 percent, roads and bridges--2 percent, and miscellaneous construction--56 percent.

Federal Railroad Administration
Special purpose buildings--13 percent, general purpose buildings--14 percent, facilities other than buildings--14 percent, and miscellaneous construction--59 percent.

Federal Highway Administration
Special purpose buildings--4 percent and roads and bridges--96 percent.

Saint Lawrence Seaway Development Corporation
Special purpose buildings--17 percent, roads and bridges--17 percent, and miscellaneous construction--66 percent.

Transportation Systems Center
General purpose buildings--7 percent, facilities other than buildings--36 percent, and miscellaneous construction--57 percent.

United States Coast Guard
Civil Engineering Division, Office of Engineering, and 12 District Offices
Special purpose buildings--9 percent, general purpose buildings--8 percent, facilities other than buildings--21 percent, roads and bridges--3 percent, and miscellaneous construction--59 percent.

Department of the Treasury

Office of the Secretary of the Treasury
Office of Administrative Programs (Procurement and Personal Property Management)
Repairs and alterations--100 percent.

Bureau of Engraving and Printing
Repairs and alterations--100 percent.

Bureau of the Mint
Mint facilities--100 percent.

Federal Law Enforcement Training Center
Office buildings--58 percent and roads and bridges--42 percent.

Internal Revenue Service
Facilities Management Division
Office buildings, repairs, and alterations--100 percent.

United States Customs Service
Office buildings--95 percent and residential
buildings--5 percent.

Independent Agencies

Agency for International Development
Office of Engineering (for programs) and Office of
Management and Operations (for staffing needs)
Roads and bridges--60 percent, schools and
universities--10 percent, hospitals--25 percent,
and communications buildings--5 percent.

Central Intelligence Agency
Office of Logistics
(Information classified)

Environmental Protection Agency
Office of Planning and Management
Laboratories and other special purpose facilities--
100 percent.

Federal Communications Commission
Engineering Division

Federal Home Loan Bank Board
Office buildings--100 percent.

Federal Reserve System
Office and bank buildings--100 percent.

General Services Administration
Public Buildings Service
Office buildings--100 percent.

National Aeronautics and Space Administration
Office of Facilities
Utilities systems--4 percent, fire detection/protection
systems--1 percent, general purpose buildings--9 per-
cent, technical building structures--85 percent, pave-
ment/drainage--.05 percent, and building exteriors/
roofing--.05 percent.

National Science Foundation
Research facilities, buildings, and paving. (Percent-
age breakdown not available.)

Panama Canal Company

Engineering and Construction Bureau

Residential buildings--23 percent, hospitals--9 percent, schools--12 percent, miscellaneous electrical facilities--6 percent, industrial buildings--32 percent, roads and streets--6 percent, and miscellaneous--12 percent.

Pennsylvania Avenue Development Corporation

Smithsonian Institution

Facilities Planning and Engineering Services

Repair/alteration to office space--20 percent, alterations to exhibit space--70 percent, and repairs to building exteriors--10 percent.

Tennessee Valley Authority

Division of Purchasing

Flood control facilities--67 percent and various chemical operations construction--33 percent.

United States Information Agency

Deputy Assistant Director, Engineering and Technical

Antenna towers--65 percent, buildings--12 percent, roadways--16 percent, and utilities--7 percent.

United States Postal Service

Facilities Procurement Division

Postal facilities--100 percent.

Veterans Administration

Office of Construction

Health care facilities--85 percent, cemeteries--5 percent, other buildings--5 percent, and other projects--5 percent.

AGENCIES FINANCING FEDERALLY
ASSISTED CONSTRUCTION

Some agencies are involved in the construction process by financially supporting construction projects through grants, loans, and/or loan guarantees to individuals or entities directly involved in the projects. The following agencies were identified using the OFPP survey answers.

Department of Agriculture

Farmers Home Administration (residential buildings)
Rural Electrification Administration (rural electric and
telephone facilities)
Soil Conservation Service

Department of Commerce

Economic Development Administration (public works)
National Oceanic and Atmospheric Administration

Department of Defense

Department of the Army, Corps of Engineers
Department of the Army, Military Construction Army
National Guard Program (National Guard facilities)

Department of Health, Education, and Welfare

Office of the Secretary, Office of Facilities Engineering
and Property Management
Public Health Service, National Institutes of Health

Department of Housing and Urban Development

Office of the Assistant Secretary for Administration,
Office of Procurement and Contracts (housing)

Department of the Interior

Bureau of Indian Affairs
Bureau of Mines, Division of Procurement
Bureau of Reclamation, Division of Procurement and
Property (irrigation projects)
Fish and Wildlife Service, Division of Contracting and
General Services
National Park Service

Department of Justice

Law Enforcement Assistance Administration, Grants and Con-
tracts Management Division (law enforcement facilities)

Department of Labor

Employment and Training Administration, Office of Admin-
istrative Services

Department of Transportation

A breakdown of administrations financing federally assisted construction was not provided; however, it is known that the Federal Highway Administration, Federal Aviation Administration, and the Urban Mass Transportation Administration all finance such projects.

Independent Agencies

Agency for International Development

Office of Contract Management Support Division

Environmental Protection Agency

Office of Planning and Management, Contracts Management Division

National Science Foundation

Division of Grants and Contracts (research-related facilities)

Small Business Administration

Office of the Administrator, Associate Administrator for Procurement Assistance

Veterans Administration

Department of Medicine and Surgery, Supply Services (educational facilities)

Department of Medicine and Surgery, Assistant Chief Medical Director for Extended Care (State extended care facilities)

Office of Construction (health facilities)

Department of Veterans Benefits (housing)

CHAPTER 4

AGENCIES PERFORMING SPECIFIC FUNCTIONS

The whole area of construction functions is quite broad and encompasses a wide spectrum of activities. We believe the following 16 specific areas might be considered in planning an audit assignment and selecting agencies.

- (1) Determining space requirements.
- (2) Making buy-build-lease decisions.
- (3) Handling facilities acquisitions.
- (4) Conducting or contracting for predesign studies.
- (5) Preparing prospectus for projects.
- (6) Preparing or contracting for preparation of EISS.
- (7) Handling the selection of A/Es.
- (8) Contracting of design services.
- (9) Performing design in house.
- (10) Reviewing and approving design.
- (11) Handling bidding and awarding of construction contracts.
- (12) Making construction inspections.
- (13) Acting as construction manager.
- (14) Contracting for construction management services.
- (15) Administering design, construction, and/or construction management contracts.
- (16) Performing facility renovations.

The indices in appendix I list the agencies involved in these activities.

Another set of useful data for planning are those agencies

- (1) requiring energy analysis on new construction or major alterations,
- (2) requiring life-cycle cost analysis on new construction or major alterations,
- (3) using agency-developed design criteria,
- (4) possessing internal design, engineering, and/or construction offices, and
- (5) conducting or sponsoring construction related research.

This information is presented in appendix II.

In identifying agencies requiring energy analysis and life-cycle cost analysis, we found that some agencies used the terms almost interchangeably. For the purpose of our indices, we included only those agencies requiring a full life-cycle analysis of the entire building in the life-cycle index. (See index II-B.) Some agencies claimed to require life-cycle analysis, but upon review we found the scope to be very limited (only selected systems or subsystems) or that it was actually only an analysis for energy conservation purposes. We included these in the energy analysis index--index II-A.

In appendix III, we include some statistical data which was obtained from the OFPP survey of Federal construction activities. This information may be useful in determining the significance of an agency's activities in terms of number and/or dollar value of contracts. This information is broken down into A/E services, new construction, and repairs and alterations.

APPENDIX I - CONSTRUCTION FUNCTION ACTIVITIES

INDEX I-ASPACE REQUIREMENTS

The following agencies reported they were involved in determining space requirements.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Office of the Assistant Secretary for Administration,
- Office of Administrative Services and Procurement
- National Bureau of Standards

Department of Defense

- Department of the Air Force, Engineering and Construction Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering Command

Department of Energy

- Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineering and Property Management
- Alcohol, Drug Abuse and Mental Health Administration
- Center for Disease Control
- Food and Drug Administration
- Health Resources Administration
- Health Services Administration
- National Institutes of Health
- Office of Education
- Social Security Administration

Department of Housing and Urban Development

- Office of the Assistant Secretary for Administration

Department of the Interior

- Bureau of Indian Affairs
- Bureau of Reclamation
- National Park Service
- United States Fish and Wildlife Service

Department of Justice
Bureau of Prisons
United States Immigration and Naturalization Service

Department of State
Office of Foreign Buildings

Department of Transportation
Office of the Secretary
Federal Aviation Administration
United States Coast Guard

Department of the Treasury
Office of the Secretary
Internal Revenue Service
United States Customs Service

Agency for International Development
Office of Management and Operations

Federal Communications Commission

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution

United States Information Agency

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

INDEX I-BBUY-BUILD-LEASE DECISIONS

The following agencies reported that they made their own buy-build-lease decisions.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Office of the Assistant Secretary for Administration

Department of Defense

- Department of the Air Force, Engineering and Construction Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering Command

Department of Energy

- Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineering and Property Management
- Alcohol, Drug Abuse and Mental Health Administration
- Center for Disease Control
- Food and Drug Administration
- Health Resources Administration
- Health Services Administration
- National Institutes of Health
- Office of Education
- Social Security Administration

Department of the Interior

- Bureau of Reclamation
- National Park Service (note a)
- United States Fish and Wildlife Service

Department of Justice

- Bureau of Prisons
- United States Immigration and Naturalization Service

Department of State

- Office of Foreign Buildings

Department of Transportation
Office of the Secretary
Federal Aviation Administration
United States Coast Guard

Department of the Treasury
Office of the Secretary
Internal Revenue Service
United States Customs Service

Agency for International Development (note b)
Office of Management and Operations

Federal Communications Commission (note c)

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution

United States Information Agency

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

a/Rural only.

b/For foreign staff needs only.

c/For technical projects only.

INDEX I-CAGENCIES HANDLING THEIR OWN FACILITY ACQUISITIONS

The following agencies reported that they handled the acquisition of all or part of their facilities.

Department of Agriculture

Agricultural Research Service (notes a and b)

Animal and Plant Health Inspection Service (notes a and b)

Forest Service (notes a and b)

Department of Commerce

National Bureau of Standards

Department of Defense

Department of the Air Force, Engineering and Construction Division

Department of the Army, Corps of Engineers

Department of the Navy, Naval Facilities Engineering Command

Department of Energy

Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

Office of the Secretary, Office of Facilities Engineering and Property Management (note a)

Department of Housing and Urban Development

Office of the Assistant Secretary for Administration (note b)

Department of the Interior

Bureau of Reclamation

National Park Service (note c)

United States Fish and Wildlife Service (note d)

Department of State

Office of Foreign Buildings

Department of Transportation

Federal Aviation Administration (note e)

United States Coast Guard (note e)

Department of the Treasury

Office of the Secretary

United States Customs Service (note f)

Agency for International Development
Office of Engineering (for programs) and Office of Management and Operations (for staff needs)

Federal Communications Commission (note b)

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution (note g)

United States Information Agency (note d)

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

a/For special purpose buildings.

b/For some general purpose buildings.

c/For rural areas only.

d/For program needs only.

e/Only when GSA is unable to handle the acquisition of facilities.

f/Limited to projects costing \$250,000 or less.

g/All except large, major projects.

INDEX I-DAGENCIES FOR WHICH GSASERVES AS FACILITY ACQUISITION AGENT

GSA handles general purpose facility acquisitions for the following agencies.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Office of the Assistant Secretary for Administration and all departmental agencies except the National Bureau of Standards

Department of Energy

- Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineering and Property Management
- Social Security Administration

Department of Housing and Urban Development

- Office of the Assistant Secretary for Administration

Department of the Interior

- Bureau of Indian Affairs
- Bureau of Reclamation (note a)
- National Park Service
- United States Fish and Wildlife Service (note b)

Department of Justice

- Bureau of Prisons
- United States Immigration and Naturalization Service

Department of Transportation

- Office of the Secretary
- Federal Aviation Administration
- United States Coast Guard (note c)

Department of the Treasury

- Office of the Secretary
- Internal Revenue Service
- United States Customs Service

Agency for International Development
Office of Engineering (note d)

Federal Communications Commission

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities (note e)

Smithsonian Institution (note e)

United States Information Agency

Veterans Administration
Office of Construction (note c)

a/Leases only.

b/For administrative needs only.

c/District or regional office buildings only.

d/Department of State handles foreign building acquisitions.

e/Only some acquisitions.

INDEX I-EPREDESIGN STUDIES

The following activities either conduct in-house or contract for predesign studies.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Office of the Assistant Secretary for Administration
- National Bureau of Standards

Department of Defense

- Department of the Air Force, Engineering and Construction Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering Command

Department of Energy

- Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineering and Property Management
- Alcohol, Drug Abuse and Mental Health Administration (note a)
- Center for Disease Control (note a)
- Food and Drug Administration (note a)
- Health Resources Administration (note a)
- Health Services Administration (note a)
- National Institutes of Health (note a)
- Office of Education
- Social Security Administration (note a)

Department of Housing and Urban Development

- Office of the Assistant Secretary for Administration (note b)

Department of the Interior

- Bureau of Indian Affairs
- Bureau of Reclamation
- National Park Service
- United States Fish and Wildlife Service (note a)

Department of Justice
Bureau of Prisons
United States Immigration and Naturalization Service

Department of State
Office of Foreign Buildings

Department of Transportation
Federal Aviation Administration (note d)
United States Coast Guard

Agency for International Development
Office of Engineering (for programs) and Office Management and Operations (for staff needs)

Federal Communications Commission (note e)

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution

United States Information Agency

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

a/Programing aspects of project only.

b/Space layouts only.

c/For program facilities only.

d/Washington National and Dulles International Airports only.

e/For technical facilities only.

INDEX I-FPROSPECTUS

The following activities prepare the prospectus on proposed projects. A prospectus is not required for all construction projects.

Department of Commerce

Office of the Assistant Secretary for Administration
National Bureau of Standards

Department of Defense

Department of the Air Force, Engineering and Construction
Division
Department of the Army, Corps of Engineers
Department of the Navy, Naval Facilities Engineering
Command

Department of Energy

Office of the Secretary, Office of Construction and Facilities
Management

Department of the Interior

Bureau of Indian Affairs
Bureau of Reclamation
United States Fish and Wildlife Service (note a)

Department of Justice

Bureau of Prisons
United States Immigration and Naturalization Service

Department of State

Office of Foreign Buildings

Department of Transportation

Federal Aviation Administration (note b)

Department of the Treasury

Office of the Secretary
Internal Revenue Service
United States Customs Service

Agency for International Development

Office of Engineering

General Services Administration

Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution

United States Information Agency

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

a/For program projects only.

b/For Washington National and Dulles International Airports
only.

INDEX I-GENVIRONMENTAL IMPACT STATEMENTS

The following activities reported that they either prepared or contracted, for the preparation of environmental impact statements (EISs).

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Defense

- Department of the Air Force, Engineering and Construction Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering Command

Department of Energy

- Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineering and Property Management
- Alcohol, Drug Abuse and Mental Health Administration
- Center for Disease Control
- Food and Drug Administration
- Health Resources Administration
- National Institutes of Health
- Office of Education

Department of the Interior

- Bureau of Indian Affairs
- Bureau of Reclamation
- National Park Service
- United States Fish and Wildlife Service (note a)

Department of Justice

- Bureau of Prisons (note b)
- United States Immigration and Naturalization Service (note c)

Department of Transportation

- Federal Aviation Administration (note c)
- United States Coast Guard

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution (note 3)

United States Information Agency

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

a/For program projects only.

b/Assists GSA in preparing EISs.

c/Contract for preparation of complex EIS.

d/Small projects only.

INDEX I-HA/E SELECTIONS

The following activities reported that they were involved in selecting the architect/engineer (A/E) for design projects.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Office of the Assistant Secretary for Administration,
- Office of Administrative Services and Procurement
- National Bureau of Standards

Department of Defense

- Department of the Air Force, Engineering and Construction Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering Command

Department of Energy

- Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineering and Property Management

Department of the Interior

- Bureau of Indian Affairs
- Bureau of Reclamation
- National Park Service
- United States Fish and Wildlife Service (note a)

Department of Justice

- United States Immigration and Naturalization Service

Department of State

- Office of Foreign Buildings

Department of Transportation

- Federal Aviation Administration
- United States Coast Guard

Department of the Treasury
Office of the Secretary (note b)
Internal Revenue Service
United States Customs Service

Agency for International Development
Office of Engineering (note c)

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution

United States Information Agency

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

a/For program projects only.

b/On special projects only.

c/For foreign assistance projects when host country is
unable to handle selections.

INDEX I-ICONTRACT FOR DESIGN SERVICES

The following agencies reported that they contracted with private A/Es for all or a major portion of their design work.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Office of the Assistant Secretary for Administration,
Office of Administrative Services and Procurement
- Maritime Administration
- National Fire Protection and Control Administration
- National Oceanic and Atmospheric Administration
- United States Travel Service

Department of Defense

- Department of the Air Force, Engineering and Construction
Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering
Command

Department of Energy

- Office of the Secretary, Office of Construction and
Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineer-
ing and Property Management
- National Institutes of Health

Department of the Interior

- Bureau of Indian Affairs
- Bureau of Reclamation
- United States Fish and Wildlife Service

Department of Justice

- United States Immigration and Naturalization Service

Department of State

- Office of Foreign Buildings

Department of Transportation
Federal Aviation Administration
United States Coast Guard

Agency for International Development
Office of Engineering

Federal Communications Commission
Engineering Division

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution

United States Information Agency

United States Postal Service
Facilities Procurement Service

Veterans Administration
Office of Construction

INDEX I-JDO OWN DESIGN WORK

The following activities reported that they do some of their design work in-house with Government employees.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Maritime Administration
- National Bureau of Standards
- National Oceanic and Atmospheric Administration

Department of Defense

- Department of the Air Force, Engineering and Construction Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering Command

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineering and Property Management
- Health Services Administration
- National Institutes of Health

Department of Housing and Urban Development

- Office of the Assistant Secretary for Administration (note a)

Department of the Interior

- Bureau of Indian Affairs
- Bureau of Reclamation
- National Park Service
- United States Fish and Wildlife Service

Department of Justice

- Bureau of Prisons (note b)
- United States Immigration and Naturalization Service (note b)

Department of Transportation

- Office of the Secretary (note c)
- Federal Aviation Administration
- United States Coast Guard

Department of the Treasury
Office of the Secretary
Internal Revenue Service

Agency for International Development
Office of Engineering (note o)

Federal Communications Commission
Engineering Division (note d)

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution

United States Information Agency

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

a/Space layout only.

b/Preliminary design only.

c/Interior design only.

d/For technical projects.

INDEX I-KREVIEW AND APPROVE DESIGNS

The following activities reported that they reviewed and approved the designs for their projects.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Office of the Assistant Secretary for Administration,
- Office of Administrative Services and Procurement
- Maritime Administration
- National Bureau of Standards
- National Fire Protection and Control Administration
- National Oceanic and Atmospheric Administration
- United States Travel Service

Department of Defense

- Department of the Air Force, Engineering and Construction Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering Command

Department of Energy

- Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineering and Property Management
- Alcohol, Drug Abuse and Mental Health Administration
- Center for Disease Control
- Food and Drug Administration
- Health Resources Administration
- Health Services Administration
- Office of Education
- Social Security Administration

Department of Housing and Urban Development

- Office of the Assistant Secretary for Administration

Department of the Interior

- Bureau of Indian Affairs
- Bureau of Reclamation
- National Park Service
- United States Fish and Wildlife Service (note a)

Department of Justice
Bureau of Prisons
United States Immigration and Naturalization Service

Department of State
Office of Foreign Buildings

Department of Transportation
Office of the Secretary (note b)
Federal Aviation Administration
United States Coast Guard

Department of the Treasury
Office of the Secretary
Internal Revenue Service
United States Customs Service

Agency for International Development
Office of Engineering

Federal Communications Commission
Engineering Division

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution

United States Information Agency

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

a/For program projects only.

b/Space layouts only.

INDEX I-LBIDDING AND AWARDOF CONSTRUCTION CONTRACTS

The following activities reported that they handled the bidding and awarding of construction contracts.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Office of the Assistant Secretary for Administration,
Office of Administrative Services and Procurement
- Maritime Administration
- National Oceanic and Atmospheric Administration

Department of Defense

- Department of the Air Force, Engineering and Construction
Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering
Command

Department of Energy

- Office of the Secretary, Office of Construction and
Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary
- National Institutes of Health (note a)

Department of the Interior

- Bureau of Indian Affairs
- Bureau of Reclamation
- National Park Service
- United States Fish and Wildlife Service (note b)

Department of State

- Office of Foreign Buildings

Department of Transportation

- Federal Aviation Administration (note c)
- United States Coast Guard

Department of the Treasury
Office of the Secretary
United States Customs Service

Agency for International Development
Office of Engineering (note b)

Federal Communications Commission
Engineering Division (note d)

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution (note e)

United States Information Agency

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

a/Handle some projects.

b/For program projects only.

c/Washington National and Dulles International Airports
handle their own.

d/For technical projects only.

e/GSA handles large projects.

INDEX I-MCONSTRUCTION INSPECTIONS

The following activities reported that they inspected their own construction projects.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Maritime Administration
- National Bureau of Standards
- National Fire Protection and Control Administration
- National Oceanic and Atmospheric Administration
- United States Travel Service

Department of Defense

- Department of the Air Force, Engineering and Construction Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering Command

Department of Energy

- Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineering and Property Management
- National Institutes of Health

Department of Housing and Urban Development

- Office of the Assistant Secretary for Administration

Department of the Interior

- Bureau of Indian Affairs
- Bureau of Reclamation
- National Park Service
- United States Fish and Wildlife Service (note a)

Department of Justice

- United States Immigration and Naturalization Service

Department of State

- Office of Foreign Buildings

Department of Transportation
Federal Aviation Administration
United States Coast Guard

Agency for International Development
Office of Engineering

Federal Communications Commission
Engineering Division

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution

United States Information Agency

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

a/For program projects only.

INDEX I-NACT AS OWN CONSTRUCTION MANAGER

The following activities indicated that generally they handled construction management internally with their own personnel. However, some also contracted for construction management services on selected projects. See index I-0 for listing of those activities which contracted for construction management services in some instances.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- National Bureau of Standards

Department of Defense

- Department of the Air Force, Engineering and Construction Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering Command

Department of Energy

- Office of the Secretary, Office of Construction and Facilities Management

Department of the Interior

- Bureau of Indian Affairs
- Bureau of Reclamation
- National Park Service
- United States Fish and Wildlife Service (note a)

Department of State

- Office of Foreign Buildings

Department of Transportation

- Federal Aviation Administration
- United States Coast Guard

Agency for International Development

- Office of Engineering (note b)

Federal Communications Commission
Engineering Division (note c)

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution (note d)

United States Information Agency

a/For program projects only.

b/For major jobs only.

c/For technical projects only.

d/GSA handles large projects.

INDEX I-0CONTRACT FOR CONSTRUCTION MANAGEMENT SERVICES

The following agencies reported that they contracted with private consulting firms for construction management services on some of their projects.

Department of Commerce

Office of the Assistant Secretary for Administration,
Office of Administrative Services and Procurement

Department of Defense

Department of the Air Force, Engineering and Construction
Division
Department of the Navy, Naval Facilities Engineering
Command

Department of Health, Education, and Welfare

Office of the Secretary, Office of Facilities Engineering
and Property Management

Department of State

Office of Foreign Buildings (note a)

Department of Transportation

Federal Aviation Administration (note b)

Agency for International Development

Office of Engineering

Federal Communications Commission

Engineering Division (note c)

General Services Administration

Public Buildings Service

United States Information Agency (note a)

United States Postal Service

Facilities Procurement Division (note a)

Veterans Administration

Office of Construction (note d)

a/On major projects.

b/Used one time.

c/On technical projects.

d/Used on a trial basis.

INDEX I-PADMINISTER DESIGN, CONSTRUCTIONAND/OR CONSTRUCTION MANAGEMENT CONTRACTS

The following activities reported that they administered contracts for the design and construction of Federal projects.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Office of the Assistant Secretary for Administration,
- Office of Administrative Services and Procurement

Department of Defense

- Department of the Air Force, Engineering and Construction Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering Command

Department of Energy

- Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineering and Property Management

Department of the Interior

- Bureau of Indian Affairs
- Bureau of Reclamation
- National Park Service
- United States Fish and Wildlife Service

Department of Justice

- United States Immigration and Naturalization Service

Department of State

- Office of Foreign Buildings

Department of Transportation

- Federal Aviation Administration
- United States Coast Guard

Department of the Treasury
Office of the Secretary
United States Customs Service

Agency for International Development
Office of Engineering

Federal Communications Commission

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution

United States Information Agency

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

INDEX I-QHANDLE OWN FACILITY RENOVATIONS

The following activities reported that they handled their own facility renovation projects. However, many of these same activities appear in index I-R which indicates that GSA handles some of their renovation projects. In practice, some of the agencies will handle their renovations if the project is small. GSA will generally handle the larger projects involving general purpose facilities.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Maritime Administration
- National Bureau of Standards
- National Oceanic and Atmospheric Administration

Department of Defense

- Department of the Air Force, Engineering and Construction Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering Command

Department of Energy

- Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineering and Property Management

Department of the Interior

- Bureau of Indian Affairs (note a)
- Bureau of Reclamation
- National Park Service
- United States Fish and Wildlife Service (note a)

Department of Justice

- United States Immigration and Naturalization Service (note a)

Department of Transportation
Federal Aviation Administration
United States Coast Guard

Department of the Treasury
Office of the Secretary (note b)
Internal Revenue Service (note c)
United States Customs Service

Agency for International Development
Office Management and Operations (note d)

Federal Communications Commission
Engineering Division (note b)

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution

United States Information Agency

United States Postal Service
Facilities Procurement Division (note c)

Veterans Administration
Office of Construction (note c)

a/For program activities only.

b/For technical activities only.

c/Some phases.

d/For foreign staff needs only.

INDEX I-RGSA HANDLES FACILITY RENOVATIONS

The following agencies reported that GSA handled their facilities renovation projects for them. Although, as indicated by the footnotes and index I-2, some of the agencies did some of their own work also.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Office of the Assistant Secretary for Administration,
- Office of Administrative Services and Procurement
- Maritime Administration
- National Bureau of Standards
- National Fire Protection and Control Administration
- National Oceanic and Atmospheric Administration
- United States Travel Service

Department of Energy

- Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineering and Property Management
- National Institutes of Health
- Social Security Administration

Department of Housing and Urban Development

- Office of the Assistant Secretary for Administration

Department of the Interior

- Bureau of Indian Affairs (note a)
- National Park Service (note a)
- United States Fish and Wildlife Service (note a)

Department of Justice

- Bureau of Prisons
- United States Immigration and Naturalization Service (note b)

Department of Transportation

- Office of the Secretary (note a)
- Federal Aviation Administration

Department of the Treasury
Internal Revenue Service (note b)

Federal Communications Commission (note a)

General Services Administration
Public Buildings Service

Smithsonian Institution (note b)

a/GSA-owned buildings only.

b/Agency does some of its own work.

APPENDIX II - CONSTRUCTION POLICY INTERESTS

INDEX II-AENERGY ANALYSIS

The following agencies indicated that they require an energy analysis for all new building designs.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Maritime Administration
- National Bureau of Standards
- National Oceanic and Atmospheric Administration

Department of Defense

- Department of the Air Force, Engineering and Construction Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering Command

Department of Energy

- Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineering and Property Management

Department of the Interior

- Bureau of Indian Affairs

Department of Transportation

- Federal Aviation Administration
- United States Coast Guard

Agency for International Development

- Office of Engineering (note a)

Federal Communications Commission

- Engineering Division (note b)

General Services Administration

- Public Buildings Service

National Aeronautics and Space Administration

- Office of Facilities

United States Information Agency

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

a/For program projects only.

b/For technical projects only.

INDEX II-BLIFE-CYCLE COST ANALYSIS

The following agencies are the only Federal agencies currently requiring a life-cycle cost analysis for new designs.

Department of Health, Education, and Welfare
Office of the Secretary, Office of Facilities Engineering
and Property Management

Department of the Interior
Bureau of Indian Affairs (note a)

United States Postal Service
Facilities Procurement Division

a/Beginning pilot program (1978).

INDEX II-CCOMMERCIAL DESIGN CRITERIA

The following agencies indicated that they were using commercial design criteria in lieu of agency-developed criteria to design their buildings.

Agency for International Development
Office of Engineering

United States Information Agency

United States Postal Service
Facilities Procurement Division

INDEX II-DAGENCY DESIGN CRITERIA

The following agencies indicated that they had developed their own design criteria for use in the design of their facilities. 1/

Department of Agriculture

Agricultural Research Service
Animal and Plant Health Inspection Service
Forest Service

Department of Defense

Department of the Air Force, Engineering and Construction Division
Department of the Army, Corps of Engineers
Department of the Navy, Naval Facilities Engineering Command

Department of Energy

Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

Office of the Secretary, Office of Facilities Engineering and Property Management

Department of Housing and Urban Development

Office of the Assistant Secretary for Administration

Department of the Interior

Bureau of Indian Affairs
Bureau of Reclamation (note a)
National Park Service (note a)
United States Fish and Wildlife Service (note a)

Department of Justice

Bureau of Prisons
United States Immigration and Naturalization Service

Department of State

Office of Foreign Buildings

Department of Transportation

Office of the Secretary (note a)
Federal Aviation Administration (note a)
United States Coast Guard (note a)

1/Some incorporate commercial design criteria.

Department of the Treasury
Office of the Secretary
Internal Revenue Service
United States Customs Service

Agency for International Development
Office of Management and Operations (note a)

Federal Communications Commission
Engineering Division (note a)

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution (note b)

United States Information Agency

United States Postal Service
Facilities Procurement Division (note a)

Veterans Administration
Office of Construction

a/For special or technical items.

b/For the zoo.

INDEX II-EGSA/DEPARTMENT OF DEFENSE DESIGN CRITERIA

The following agencies indicated that they were using either GSA or Department of Defense design criteria, or both.

Department of Agriculture

- Agricultural Research Service (GSA)
- Animal and Plant Health Inspection Service (GSA)
- Forest Service (GSA)

Department of Commerce

- Office of the Assistant Secretary for Administration,
Office of Administrative Services and Procurement (GSA)
- Maritime Administration (GSA)
- National Bureau of Standards (GSA)
- National Fire Protection and Control Administration (GSA)
- National Oceanic and Atmospheric Administration (GSA)
- United States Travel Service (GSA)

Department of Defense

- Department of the Air Force, Engineering and Construction
Division (Department of Defense)
- Department of the Army, Corps of Engineers (both)
- Department of the Navy, Naval Facilities Engineering
Command (both)

Department of Energy

- Office of the Secretary, Office of Construction and
Facilities Management (both)

Department of the Interior

- Bureau of Indian Affairs (GSA)
- Bureau of Reclamation (both)
- National Park Service (GSA)
- United States Fish and Wildlife Service (GSA)

Department of Justice

- Bureau of Prisons (GSA)
- United States Immigration and Naturalization Service
(GSA)

Department of State

- Office of Foreign Buildings (both)

Department of Transportation

- Office of the Secretary (GSA)
- Federal Aviation Administration (Department of Defense)
- United States Coast Guard (both)

Department of the Treasury
Office of the Secretary (GSA)
Internal Revenue Service (GSA)
United States Customs Service (GSA)

Agency for International Development
Office of Engineering (both)

Federal Communications Commission
Engineering Division (GSA)

General Services Administration
Public Buildings Service (GSA)

Smithsonian Institution (GSA for museums)

INDEX II-FINTERNAL DESIGN, ENGINEERINGAND/OR CONSTRUCTION OFFICES

The following agencies have design, engineering, and/or construction offices within their organization.

Department of Agriculture

- Agricultural Research Service
- Animal and Plant Health Inspection Service
- Forest Service

Department of Commerce

- Maritime Administration
- National Bureau of Standards
- National Fire Protection and Control Administration
- National Oceanic and Atmospheric Administration
- United States Travel Service

Department of Defense

- Department of the Air Force, Engineering and Construction Division
- Department of the Army, Corps of Engineers
- Department of the Navy, Naval Facilities Engineering Command

Department of Energy

- Office of the Secretary, Office of Construction and Facilities Management

Department of Health, Education, and Welfare

- Office of the Secretary, Office of Facilities Engineering and Property Management
- Health Services Administration
- National Institutes of Health

Department of Housing and Urban Development

- Office of the Assistant Secretary for Administration

Department of the Interior

- Bureau of Indian Affairs
- Bureau of Reclamation
- National Park Service
- United States Fish and Wildlife Service

Department of Justice

- Bureau of Prisons
- United States Immigration and Naturalization Service

Department of State
Office of Foreign Buildings

Department of Transportation
Office of the Secretary
Federal Aviation Administration
United States Coast Guard

Department of the Treasury
Office of the Secretary
Internal Revenue Service
United States Customs Service

Agency for International Development
Office of Engineering

Federal Communications Commission
Engineering Division

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

Smithsonian Institution

United States Information Agency

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

INDEX II-GCONSTRUCTION RESEARCH

The following agencies reported that they conducted or sponsored construction-related research.

Department of Agriculture
Forest Service

Department of Commerce
National Bureau of Standards

Department of Defense
Department of the Air Force, Engineering and Construction
Division
Department of the Army, Corps of Engineers
Department of the Navy, Naval Facilities Engineering
Command

Department of Health, Education, and Welfare
Office of the Secretary, Office of Facilities Engineering
and Property Management

Department of the Interior
Bureau of Reclamation

Department of Transportation
Office of the Secretary

General Services Administration
Public Buildings Service

National Aeronautics and Space Administration
Office of Facilities

United States Postal Service
Facilities Procurement Division

Veterans Administration
Office of Construction

APPENDIX III - STATISTICAL INFORMATION

SCHEDULE A

FEDERAL CONSTRUCTION FOR
FISCAL YEARS 1975 AND 1976,

A/E SERVICES

Agency	Fiscal year 1975		Fiscal year 1976	
	No. of contracts	Value	No. of contracts	Value
Department of Agriculture:				
Agricultural Research Service	8	\$ 223,532	20	\$ 226,984
Animal and Plant Health Inspection Service	1	329,740	2	315,223
Forest Service	64	1,599,424	76	1,810,897
Soil Conservation Service	<u>60</u>	<u>3,104,900</u>	<u>70</u>	<u>3,449,950</u>
Total	<u>133</u>	<u>\$5,257,596</u>	<u>168</u>	<u>\$5,843,054</u>
Department of Commerce:				
Office of the Assistant Secretary for Administration	1	\$ 8,658	1	\$350,000
Maritime Administration	-	-	5	171,090
National Oceanic and Atmospheric Administration	<u>14</u>	<u>282,042</u>	<u>3</u>	<u>194,608</u>
Total	<u>15</u>	<u>\$290,700</u>	<u>9</u>	<u>\$715,698</u>
Department of Defense:				
Air Force	240	\$14,300,000	358	\$ 14,300,000
Air Force Reserve	N/A	1,500,000	N/A	1,000,000
Air National Guard	63	3,019,705	116	4,594,008
Army (military)	N/A	N/A	545	40,068,000
Army (civil)	N/A	N/A	485	30,384,000
Army National Guard	1	145,200	N/A	129,840
Navy	443	22,600,000	487	21,200,000
Defense Logistics Agency	-	-	8	17,296
Defense Mapping Agency	-	-	-	-
Defense Nuclear Agency	-	-	2	35,609
Total	<u>747</u>	<u>\$41,564,905</u>	<u>2,001</u>	<u>\$111,728,753</u>
Department of Energy				
(note a)	200	b/\$93,500,000	370	b/\$176,700,000
Total	<u>200</u>	<u>\$93,500,000</u>	<u>370</u>	<u>\$176,700,000</u>

a/Figures for independent agencies which formed the Department of Energy.

b/Department of Energy officials advised us that there is no correlation between their awarded A/E contracts and their awarded construction contracts shown in Schedule B, page III-5. A/E contracts include many conceptual studies, including some commercial breeder reactors and other design projects which are not constructed and there is also frequently long delays on those constructed. For example, the design of the Rocky Flats project was started (A/E contract awarded) in 1969 and completed in 1977.

Agency	Fiscal year 1975		Fiscal year 1976	
	No. of contracts	Value	No. of contracts	Value
Department of Health, Education, and Welfare:				
Office of the Secretary	18	\$7,029,130	32	\$ 8,772,581
Center for Disease Control	1	18,995	2	6,800
Food and Drug Administration	-	-	2	178,395
Health Services Administration	8	52,461	9	70,226
National Institutes of Health	32	742,665	43	589,126
Total	59	\$7,843,251	88	\$9,617,128
Department of the Interior:				
Bonneville Power Administration	-	\$ -	-	\$ -
Bureau of Indian Affairs	12	1,553,000	13	1,690,000
Bureau of Land Management	19	1,631,765	24	2,736,319
Bureau of Mines	5	963,240	1	27,000
Bureau of Reclamation	26	2,478,156	32	2,909,284
National Park Service	78	4,552,028	62	3,035,459
Southwestern Power Administration	-	-	-	-
United States Fish and wildlife Service	11	1,030,201	9	424,829
Total	151	\$12,208,390	141	\$11,029,891
Department of Justice:				
Bureau of Prisons	12	\$450,351	8	\$876,049
Federal Bureau of Investigation	-	-	-	-
Federal Prison Industries, Inc.	-	-	-	2,500
United States Immigration and Naturalization Service	-	-	2	61,063
Total	12	\$450,351	11	\$939,612
Department of Labor:				
Office of the Secretary	-	-	1	\$18,350
Total	-	\$-	1	\$18,350

Agency	Fiscal year 1975		Fiscal year 1976	
	No. of contracts	Value	No. of contracts	Value
Department of State:				
Office of Foreign Buildings	<u>1</u>	<u>\$182,000</u>	<u>3</u>	<u>\$2,534,000</u>
Total	<u>1</u>	<u>\$182,000</u>	<u>3</u>	<u>2,534,000</u>
Department of the Treasury:				
Office of the Secretary	-	\$ -	-	-
Bureau of Engraving and Printing	1	17,700	-	-
Bureau of the Mint	-	-	-	-
Federal Law Enforcement Training Center	-	-	-	-
United States Customs Service	-	-	-	-
Total	<u>1</u>	<u>\$17,700</u>	<u>-</u>	<u>\$ -</u>
Department of Transportation:				
Office of the Secretary	-	\$ -	-	\$ 150,796
Federal Aviation Administration	12	1,021,865	11	1,973,924
Federal Highway Administration	-	-	1	3,500
Federal Railroad Administration	-	-	1	679,838
Saint Lawrence Seaway Development Corp.	1	182,385	-	-
Transportation Systems Center	2	67,254	-	-
United States Coast Guard	<u>24</u>	<u>1,885,832</u>	<u>24</u>	<u>1,013,264</u>
Total	<u>39</u>	<u>\$3,157,336</u>	<u>38</u>	<u>\$3,821,322</u>
Agency for International Development	<u>28</u>	<u>\$1,087,598</u>	<u>21</u>	<u>\$270,341</u>
Environmental Protection Agency	<u>7</u>	<u>\$103,538</u>	<u>12</u>	<u>\$277,536</u>
General Services Administration	<u>57</u>	<u>\$8,125,000</u>	<u>19</u>	<u>\$5,503,800</u>
National Aeronautics and Space Administration	<u>91</u>	<u>\$9,987,000</u>	<u>112</u>	<u>\$9,338,000</u>
National Science Foundation	<u>1</u>	<u>\$42,679</u>	<u>2</u>	<u>\$90,203</u>
Panama Canal Company	<u>13</u>	<u>\$314,000</u>	<u>15</u>	<u>\$151,700</u>
Smithsonian Institution	<u>4</u>	<u>\$89,345</u>	<u>3</u>	<u>\$47,137</u>
Tennessee Valley Authority	<u>-</u>	<u>\$-</u>	<u>-</u>	<u>\$-</u>
United States Information Agency	<u>-</u>	<u>\$-</u>	<u>-</u>	<u>\$-</u>
United States Postal Service	<u>897</u>	<u>\$24,938,623</u>	<u>444</u>	<u>\$13,765,043</u>
Veterans Administration	<u>212</u>	<u>\$9,500,000</u>	<u>371</u>	<u>\$18,352,000</u>

SCHEDULE BFEDERAL CONSTRUCTION FORFISCAL YEARS 1975 AND 1976,NEW CONSTRUCTION

<u>Agency</u>	<u>Fiscal year 1975</u>		<u>Fiscal year 1976</u>	
	<u>No. of contracts</u>	<u>Value</u>	<u>No. of contracts</u>	<u>Value</u>
Department of Agriculture:				
Agricultural Research Service	23	\$ 1,881,195	46	\$ 7,609,220
Animal and Plant Health Inspection Service	2	24,911	2	8,778,599
Forest Service	282	23,339,786	204	24,260,251
Soil Conservation Service	205	36,640,000	105	34,865,000
Total	<u>509</u>	<u>\$61,885,892</u>	<u>527</u>	<u>\$75,713,070</u>
Department of Commerce:				
Office of the Assistant Secretary for Administration	2	\$1,298,986	2	\$2,582,893
Maritime Administration	3	1,089,686	6	2,846,394
National Oceanic and Atmospheric Administration	27	1,211,433	57	1,913,310
Total	<u>32</u>	<u>\$3,600,105</u>	<u>65</u>	<u>\$7,342,597</u>
Department of Defense:				
Air Force	504	\$318,300,000	560	\$ 300,100,000
Air Force Reserve	50	14,164,600	75	17,174,600
Air National Guard	52	22,217,179	78	45,215,286
Army (military)	N/A	N/A	820	1,064,862,000
Army (civil)	N/A	N/A	803	654,332,000
Army National Guard	N/A	2,476,050	3	2,348,433
Navy	518	596,500,000	532	489,800,000
Defense Logistics Agency	23	276,061	40	300,076
Defense Mapping Agency	1	78,314	2	224,536
Defense Nuclear Agency	-	-	1	66,328
Total	<u>1,148</u>	<u>\$954,012,204</u>	<u>2,914</u>	<u>\$2,574,422,259</u>
Department of Energy (note a)	<u>1,350</u>	<u>\$151,800,000</u>	<u>2,360</u>	<u>\$162,700,000</u>
Total	<u>1,350</u>	<u>\$151,800,000</u>	<u>2,360</u>	<u>\$162,700,000</u>

a/Figures for independent agencies which formed the Department of Energy.

Agency	Fiscal year 1975		Fiscal year 1976	
	No. of contracts	Value	No. of contracts	Value
Department of Health, Education, and Welfare:				
Office of the Secretary	7	\$19,227,357	14	\$15,324,275
Center for Disease Control	-	-	-	-
Food and Drug Administration	-	-	-	-
Health Services Administration	41	2,122,041	34	2,298,350
National Institutes of Health	<u>25</u>	<u>5,142,323</u>	<u>20</u>	<u>5,104,131</u>
Total	<u>73</u>	<u>\$26,491,721</u>	<u>68</u>	<u>\$22,726,756</u>
Department of the Interior:				
Bonneville Power Administration	28	\$ 19,018,316	18	\$ 14,482,700
Bureau of Indian Affairs	124	39,430,000	149	59,402,000
Bureau of Land Management	196	4,639,600	212	5,546,100
Bureau of Mines	13	6,396,035	15	25,759,185
Bureau of Reclamation	99	240,997,703	139	256,991,066
National Park Service	38	45,004,580	35	30,190,830
Southwestern Power Administration	4	135,917	2	19,643
United States Fish and Wildlife Service	<u>56</u>	<u>7,763,749</u>	<u>66</u>	<u>3,231,327</u>
Total	<u>558</u>	<u>\$363,386,500</u>	<u>640</u>	<u>\$395,629,851</u>
Department of Justice:				
Bureau of Prisons	24	\$ 9,670,845	31	\$11,075,212
Federal Bureau of Investigation	-	-	2	26,576
Federal Prison Industries, Inc.	-	-	-	-
United States Immigration and Naturalization Service	<u>1</u>	<u>1,125,666</u>	<u>2</u>	<u>358,940</u>
Total	<u>25</u>	<u>\$10,796,511</u>	<u>35</u>	<u>\$12,260,728</u>
Department of Labor:				
Office of the Secretary	-	\$-	-	\$-
Total	-	\$-	-	\$-
Department of State:				
Office of Foreign Buildings	<u>2</u>	<u>\$7,970,000</u>	<u>6</u>	<u>\$10,714,000</u>
Total	<u>2</u>	<u>\$7,970,000</u>	<u>6</u>	<u>10,714,000</u>

Agency	Fiscal year 1975		Fiscal year 1976	
	No. of contracts	Value	No. of contracts	Value
Department of the Treasury:				
Office of the Secretary	-	\$ -	-	\$ -
Bureau of Engraving and Printing	-	-	-	-
Bureau of the Mint	-	-	-	-
Federal Law Enforcement Training Center	-	-	1	21,555
United States Customs Service	<u>3</u>	<u>545,698</u>	<u>3</u>	<u>470,768</u>
Total	<u>3</u>	<u>\$545,698</u>	<u>4</u>	<u>\$492,323</u>
Department of Transportation:				
Office of the Secretary	1	\$ 100,827	-	\$ -
Federal Aviation Administration	469	36,287,603	586	31,019,616
Federal Highway Administration	48	21,744,868	47	21,800,631
Federal Railroad Administration	1	328,475	5	766,481
Saint Lawrence Seaway Development Corp.	8	182,722	6	229,770
Transportation Systems Center	6	220,172	13	1,132,804
United States Coast Guard	<u>312</u>	<u>32,571,730</u>	<u>493</u>	<u>70,378,380</u>
Total	<u>845</u>	<u>\$91,436,397</u>	<u>1,150</u>	<u>\$125,357,691</u>
Agency for International Development	<u>13</u>	<u>\$842,807</u>	<u>7</u>	<u>\$3,567,503</u>
Environmental Protection Agency	<u>28</u>	<u>\$1,538,875</u>	<u>32</u>	<u>\$8,270,399</u>
General Services Administration	<u>60</u>	<u>\$110,617,800</u>	<u>114</u>	<u>\$197,702,700</u>
National Aeronautics and Space Administration	<u>345</u>	<u>\$49,405,000</u>	<u>351</u>	<u>\$61,338,000</u>
National Science Foundation	<u>1</u>	<u>\$2,386,000</u>	<u>3</u>	<u>\$3,068,865</u>
Panama Canal Company	<u>5</u>	<u>\$4,609,500</u>	<u>7</u>	<u>\$2,405,900</u>
Smithsonian Institution	=	\$=	=	\$=
Tennessee Valley Authority	<u>600</u>	<u>\$4,800,000</u>	<u>500</u>	<u>\$5,200,000</u>
United States Information Agency	=	\$=	=	\$=
United States Postal Service	<u>218</u>	<u>\$269,870,349</u>	<u>195</u>	<u>\$187,605,055</u>
Veterans Administration	<u>118</u>	<u>\$179,400,000</u>	<u>195</u>	<u>\$179,100,000</u>

SCHEDULE C

FEDERAL CONSTRUCTION FOR
FISCAL YEARS 1975 AND 1976,
REPAIRS AND ALTERATIONS

Agency	Fiscal year 1975		Fiscal year 1976	
	No. of contracts	Value	No. of contracts	Value
Department of Agriculture:				
Agricultural Research Service	93	\$ 1,539,347	76	\$ 4,253,264
Animal and Plant Health Inspection Service	9	302,512	4	154,486
Forest Service	230	11,971,692	247	17,266,653
Soil Conservation Service	71	7,100,000	45	4,375,000
Total	403	\$20,913,551	372	\$26,049,403
Department of Commerce:				
Office of the Assistant Secretary for Administration	9	\$121,323	10	\$ 123,736
Maritime Administration	1	7,480	16	947,810
National Oceanic and Atmospheric Administration	61	197,201	70	798,682
Total	71	\$326,004	96	\$1,870,228
Department of Defense:				
Air Force	6,068	\$181,100,000	3,474	\$199,200,000
Air Force Reserve	38	1,417,200	60	2,147,900
Air Force National Guard	11	8,739,323	28	8,851,250
Army	N/A	301,301,000	N/A	281,213,000
Army National Guard	-	-	-	-
Navy	284	264,700,000	305	226,200,000
Defense Logistics Agency	101	1,811,872	149	3,454,117
Defense Mapping Agency	76	3,020,563	42	2,663,536
Defense Nuclear Agency	1	24,498	3	502,391
Total	6,579	\$762,164,456	4,061	\$724,232,194
Department of Energy (note a):				
Total	870	\$47,300,000	780	\$52,600,000
Department of Health, Education, and Welfare:				
Office of the Secretary	24	\$ 8,900,496	33	\$14,164,829
Center for Disease Control	3	251,479	4	46,300
Food and Drug Administration	14	199,324	25	441,428
Health Services Administration	67	2,260,001	125	4,613,319
National Institutes of Health	175	5,565,537	223	13,822,665
Total	283	\$17,176,837	410	\$33,088,541

a/Figures for independent agencies which formed the Department of Energy.

Agency	Fiscal year 1975		Fiscal year 1976	
	No. of contracts	Value	No. of contracts	Value
Department of the Interior:				
Bonneville Power Administration	40	\$ 2,351,117	31	\$ 3,185,348
Bureau of Indian Affairs	81	5,509,000	67	6,453,000
Bureau of Land Management	86	1,988,400	90	2,376,900
Bureau of Mines	18	387,228	26	1,307,349
Bureau of Reclamation	67	8,327,079	118	26,230,916
National Park Service	170	18,064,468	375	36,882,119
Southwestern Power Administration	-	-	1	2,371
U.S. Fish and Wildlife Service	27	1,613,916	35	656,839
Total	489	\$38,241,208	743	\$77,094,842
Department of Justice:				
Bureau of Prisons	61	\$2,904,296	63	\$4,571,875
Federal Bureau of Investigation	1	11,695	-	-
Federal Prison Industries, Inc.	-	-	3	132,700
United States Immigration and Naturalization Service	-	-	1	530,091
Total	62	\$2,915,991	67	\$5,234,666
Department of Labor:				
Office of the Secretary	-	\$ -	-	\$ -
Total	-	\$ -	-	\$ -
Department of State:				
Office of Foreign Buildings	N/A	\$7,467,000	N/A	\$9,538,000
Total	N/A	\$7,467,000	N/A	\$9,538,000
Department of the Treasury:				
Office of the Secretary	-	\$ -	6	\$ 49,408
Bureau of Engraving and Printing	2	115,000	1	12,600
Bureau of the Mint	7	2,110,599	15	842,659
Federal Law Enforcement Training Center	-	-	3	321,866
United States Customs Service	-	-	-	-
Total	9	\$2,225,599	25	\$1,226,533
Department of Transportation:				
Office of the Secretary				
Federal Aviation Administration				
Federal Highway Administration				
Federal Railroad Administration				
Saint Lawrence Seaway Development Corp.				(Not Available)
Transportation System Center				
United States Coast Guard				
Total				

Agency	Fiscal year 1975		Fiscal year 1976	
	No. of contracts	Value	No. of contracts	Value
Agency for International Development	<u>-</u>	\$ <u>-</u>	<u>-</u>	\$ <u>-</u>
Environmental Protection Agency	<u>17</u>	\$ <u>522,999</u>	<u>39</u>	\$ <u>1,318,802</u>
General Services Administration	<u>433</u>	\$ <u>78,353,074</u>	<u>544</u>	\$ <u>98,253,000</u>
National Aeronautics and Space Administration	<u>37</u>	\$ <u>1,764,000</u>	<u>79</u>	\$ <u>8,864,000</u>
National Science Foundation	<u>-</u>	\$ <u>-</u>	<u>-</u>	\$ <u>-</u>
Panama Canal Company	<u>36</u>	\$ <u>6,991,200</u>	<u>27</u>	\$ <u>2,748,000</u>
Smithsonian Institution	<u>51</u>	\$ <u>2,477,699</u>	<u>64</u>	\$ <u>2,200,044</u>
Tennessee Valley Authority	<u>150</u>	\$ <u>600,000</u>	<u>125</u>	\$ <u>500,000</u>
United States Information Agency	<u>10</u>	\$ <u>167,000</u>	<u>6</u>	\$ <u>419,000</u>
United States Postal Service	<u>7,151</u>	\$ <u>154,917,139</u>	<u>1,671</u>	\$ <u>60,359,673</u>
Veterans Administration	<u>1,560</u>	\$ <u>83,000,000</u>	<u>1,450</u>	\$ <u>89,000,000</u>

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