

(2) GOALS.—The goals of the program shall include—

(A) the development of new, cost-effective innovative material highway bridge applications;

(B) the reduction of maintenance costs and life-cycle costs of bridges, including the costs of new construction, replacement, or rehabilitation of deficient bridges;

(C) the development of construction techniques to increase safety and reduce construction time and traffic congestion;

(D) the development of engineering design criteria for innovative products and materials for use in highway bridges and structures;

(E) the development of cost-effective and innovative techniques to separate vehicle and pedestrian traffic from railroad traffic;

(F) the development of highway bridges and structures that will withstand natural disasters, including alternative processes for the seismic retrofit of bridges; and

(G) the development of new nondestructive bridge evaluation technologies and techniques.

(3) GRANTS, COOPERATIVE AGREEMENTS, AND CONTRACTS.—

(A) IN GENERAL.—Under the program, the Secretary shall make grants to, and enter into cooperative agreements and contracts with—

(i) States, other Federal agencies, universities and colleges, private sector entities, and nonprofit organizations to pay the Federal share of the cost of research, development, and technology transfer concerning innovative materials; and

(ii) States to pay the Federal share of the cost of repair, rehabilitation, replacement, and new construction of bridges or structures that demonstrate the application of innovative materials.

(B) APPLICATIONS.—To receive a grant under this subsection, an entity described in subparagraph (A) shall submit an application to the Secretary. The application shall be in such form and contain such information as the Secretary may require. The Secretary shall select and approve the applications based on whether the project that is the subject of the grant meets the goals of the program described in paragraph (2).

(4) TECHNOLOGY AND INFORMATION TRANSFER.—The Secretary shall take such action as is necessary to ensure that the information and technology resulting from research conducted under paragraph (3) is made available to State and local transportation departments and other interested parties as specified by the Secretary.

(5) FEDERAL SHARE.—The Federal share of the cost of a project under this section shall be determined by the Secretary.

(Added Pub. L. 105–178, title V, §5103, June 9, 1998, 112 Stat. 427.)

REFERENCES IN TEXT

The date of enactment of this section, referred to in subsec. (a)(3)(A), (6), (8), is the date of enactment of Pub. L. 105–178, which was approved June 9, 1998.

PRIOR PROVISIONS

A prior section 503, added Pub. L. 90–495, §30, Aug. 23, 1968, 82 Stat. 831, related to administration of highway relocation assistance program, prior to repeal by Pub. L. 91–646, title II, §220(a)(10), Jan. 2, 1971, 84 Stat. 1903.

SECTION REFERRED TO IN OTHER SECTIONS

This section is referred to in title 49 section 5505.

§ 504. Training and education

(a) NATIONAL HIGHWAY INSTITUTE.—

(1) IN GENERAL.—The Secretary shall operate in the Federal Highway Administration a National Highway Institute (in this subsection referred to as the “Institute”). The Secretary shall administer, through the Institute, the authority vested in the Secretary by this title or by any other law for the development and conduct of education and training programs relating to highways.

(2) DUTIES OF THE INSTITUTE.—In cooperation with State transportation departments, United States industry, and any national or international entity, the Institute shall develop and administer education and training programs of instruction for—

(A) Federal Highway Administration, State, and local transportation agency employees;

(B) regional, State, and metropolitan planning organizations;

(C) State and local police, public safety, and motor vehicle employees; and

(D) United States citizens and foreign nationals engaged or to be engaged in surface transportation work of interest to the United States.

(3) COURSES.—The Institute may develop and administer courses in modern developments, techniques, methods, regulations, management, and procedures relating to surface transportation, environmental mitigation and compliance, acquisition of rights-of-way, relocation assistance, engineering, safety, construction, maintenance and operations, contract administration, motor carrier safety activities, inspection, and highway finance.

(4) SET-ASIDE; FEDERAL SHARE.—Not to exceed $\frac{1}{2}$ of 1 percent of the funds apportioned to a State under section 104(b)(3) for the surface transportation program shall be available for expenditure by the State transportation department for the payment of not to exceed 80 percent of the cost of tuition and direct educational expenses (excluding salaries) in connection with the education and training of employees of State and local transportation agencies in accordance with this subsection.

(5) FEDERAL RESPONSIBILITY.—

(A) IN GENERAL.—Except as provided in subparagraph (B), education and training of employees of Federal, State, and local transportation (including highway) agencies authorized under this subsection may be provided—

(i) by the Secretary at no cost to the States and local governments if the Secretary determines that provision at no cost is in the public interest; or

(ii) by the State through grants, cooperative agreements, and contracts with pub-

lic and private agencies, institutions, individuals, and the Institute.

(B) PAYMENT OF FULL COST BY PRIVATE PERSONS.—Private agencies, international or foreign entities, and individuals shall pay the full cost of any education and training received by them unless the Secretary determines that a lower cost is of critical importance to the public interest.

(6) TRAINING FELLOWSHIPS; COOPERATION.—The Institute may—

(A) engage in training activities authorized under this subsection, including the granting of training fellowships; and

(B) carry out its authority independently or in cooperation with any other branch of the Federal Government or any State agency, authority, association, institution, for-profit or nonprofit corporation, other national or international entity, or other person.

(7) COLLECTION OF FEES.—

(A) GENERAL RULE.—In accordance with this subsection, the Institute may assess and collect fees solely to defray the costs of the Institute in developing or administering education and training programs under this subsection.

(B) LIMITATION.—Fees may be assessed and collected under this subsection only in a manner that may reasonably be expected to result in the collection of fees during any fiscal year in an aggregate amount that does not exceed the aggregate amount of the costs referred to in subparagraph (A) for the fiscal year.

(C) PERSONS SUBJECT TO FEES.—Fees may be assessed and collected under this subsection only with respect to—

(i) persons and entities for whom education or training programs are developed or administered under this subsection; and

(ii) persons and entities to whom education or training is provided under this subsection.

(D) AMOUNT OF FEES.—The fees assessed and collected under this subsection shall be established in a manner that ensures that the liability of any person or entity for a fee is reasonably based on the proportion of the costs referred to in subparagraph (A) that relate to the person or entity.

(E) USE.—All fees collected under this subsection shall be used to defray costs associated with the development or administration of education and training programs authorized under this subsection.

(8) RELATION TO FEES.—The funds made available to carry out this subsection may be combined with or held separate from the fees collected under paragraph (7).

(b) LOCAL TECHNICAL ASSISTANCE PROGRAM.—

(1) AUTHORITY.—The Secretary shall carry out a local technical assistance program that will provide access to surface transportation technology to—

(A) highway and transportation agencies in urbanized areas with populations of between 50,000 and 1,000,000 individuals;

(B) highway and transportation agencies in rural areas; and

(C) contractors that do work for the agencies.

(2) GRANTS, COOPERATIVE AGREEMENTS, AND CONTRACTS.—The Secretary may make grants and enter into cooperative agreements and contracts to provide education and training, technical assistance, and related support services to—

(A) assist rural, local transportation agencies and tribal governments, and the consultants and construction personnel working for the agencies and governments, to—

(i) develop and expand their expertise in road and transportation areas (including pavement, bridge, concrete structures, safety management systems, and traffic safety countermeasures);

(ii) improve roads and bridges;

(iii) enhance—

(I) programs for the movement of passengers and freight; and

(II) intergovernmental transportation planning and project selection; and

(iv) deal effectively with special transportation-related problems by preparing and providing training packages, manuals, guidelines, and technical resource materials;

(B) develop technical assistance for tourism and recreational travel;

(C) identify, package, and deliver transportation technology and traffic safety information to local jurisdictions to assist urban transportation agencies in developing and expanding their ability to deal effectively with transportation-related problems;

(D) operate, in cooperation with State transportation departments and universities—

(i) local technical assistance program centers designated to provide transportation technology transfer services to rural areas and to urbanized areas with populations of between 50,000 and 1,000,000 individuals; and

(ii) local technical assistance program centers designated to provide transportation technical assistance to Indian tribal governments; and

(E) allow local transportation agencies and tribal governments, in cooperation with the private sector, to enhance new technology implementation.

(c) RESEARCH FELLOWSHIPS.—

(1) GENERAL AUTHORITY.—The Secretary, acting either independently or in cooperation with other Federal departments, agencies, and instrumentalities, may make grants for research fellowships for any purpose for which research is authorized by this chapter.

(2) DWIGHT DAVID EISENHOWER TRANSPORTATION FELLOWSHIP PROGRAM.—The Secretary shall establish and implement a transportation research fellowship program for the purpose of attracting qualified students to the field of transportation. The program shall be known as the “Dwight David Eisenhower Transportation Fellowship Program”.

(Added Pub. L. 105-178, title V, § 5104, June 9, 1998, 112 Stat. 429.)

PRIOR PROVISIONS

A prior section 504, added Pub. L. 90-495, § 30, Aug. 23, 1968, 82 Stat. 831, related to Federal reimbursement for highway relocation assistance, prior to repeal by Pub. L. 91-646, title II, § 220(a)(10), Jan. 2, 1971, 84 Stat. 1903.

SECTION REFERRED TO IN OTHER SECTIONS

This section is referred to in section 204 of this title; title 49 section 5505.

§ 505. State planning and research

(a) GENERAL RULE.—Two percent of the sums apportioned to a State for fiscal year 1998 and each fiscal year thereafter under section 104 (other than sections 104(f) and 104(h)) and under section 144 shall be available for expenditure by the State, in consultation with the Secretary, only for the following purposes:

(1) Engineering and economic surveys and investigations.

(2) The planning of future highway programs and local public transportation systems and the planning of the financing of such programs and systems, including metropolitan and statewide planning under sections 134 and 135.

(3) Development and implementation of management systems under section 303.

(4) Studies of the economy, safety, and convenience of surface transportation systems and the desirable regulation and equitable taxation of such systems.

(5) Research, development, and technology transfer activities necessary in connection with the planning, design, construction, management, and maintenance of highway, public transportation, and intermodal transportation systems.

(6) Study, research, and training on the engineering standards and construction materials for transportation systems described in paragraph (5), including the evaluation and accreditation of inspection and testing and the regulation and taxation of their use.

(b) MINIMUM EXPENDITURES ON RESEARCH, DEVELOPMENT, AND TECHNOLOGY TRANSFER ACTIVITIES.—

(1) IN GENERAL.—Subject to paragraph (2), not less than 25 percent of the funds subject to subsection (a) that are apportioned to a State for a fiscal year shall be expended by the State for research, development, and technology transfer activities described in subsection (a), relating to highway, public transportation, and intermodal transportation systems.

(2) WAIVERS.—The Secretary may waive the application of paragraph (1) with respect to a State for a fiscal year if the State certifies to the Secretary for the fiscal year that total expenditures by the State for transportation planning under sections 134 and 135 will exceed 75 percent of the funds described in paragraph (1) and the Secretary accepts such certification.

(3) NONAPPLICABILITY OF ASSESSMENT.—Funds expended under paragraph (1) shall not be considered to be part of the extramural budget of the agency for the purpose of section 9 of the Small Business Act (15 U.S.C. 638).

(c) FEDERAL SHARE.—The Federal share of the cost of a project carried out using funds subject to subsection (a) shall be 80 percent unless the Secretary determines that the interests of the Federal-aid highway program would be best served by decreasing or eliminating the non-Federal share.

(d) ADMINISTRATION OF SUMS.—Funds subject to subsection (a) shall be combined and administered by the Secretary as a single fund and shall be available for obligation for the same period as funds apportioned under section 104(b)(1).

(Added Pub. L. 105-178, title V, § 5105, June 9, 1998, 112 Stat. 432.)

PRIOR PROVISIONS

A prior section 505, added Pub. L. 90-495, § 30, Aug. 23, 1968, 82 Stat. 831, related to highway relocation assistance payments, prior to repeal by Pub. L. 91-646, title II, § 220(a)(10), Jan. 2, 1971, 84 Stat. 1903.

ALASKA HIGHWAY STUDY

Pub. L. 87-866, § 13, Oct. 23, 1962, 76 Stat. 1149, as amended by Pub. L. 97-449, § 2(a), Jan. 12, 1983, 96 Stat. 2439, provided that:

“(a) The Secretary of Transportation, in cooperation with the State of Alaska, is hereby authorized to make engineering studies and estimates and planning surveys relative to a highway construction program for the State of Alaska, and, in accordance with treaties or other agreements to be negotiated with Canada by the Secretary of State in consultation with the Secretary of Transportation, engineering studies, estimates, and planning surveys relative to connecting Alaskan roads with Canadian roads at the International boundary.

“(b) On or before May 15, 1964, the Secretary of Transportation shall submit a report to the Congress which shall include—

“(1) an analysis of the adequacy of the Federal-aid highway program to provide for a satisfactory program in both the populated and the undeveloped areas in Alaska;

“(2) specific recommendations as to the construction of roads through undeveloped areas of Alaska and connection of such roads with Canadian roads at the International boundary; and

“(3) a feasible program for implementing such specific recommendations, including cost estimates, recommendations as to the sharing of cost responsibilities, and other pertinent matters.

“(c) From time to time, either before or after submission of the report provided for in subsection (b) of this section, the Secretary of Transportation may submit recommendations to the Congress with respect to the construction of particular highways to carry out the purposes of this section.

“(d) Nothing in this section shall be construed as creating any obligation in the Congress, express or implied, to carry out the recommendations referred to in subsections (b) and (c).

“(e) There is hereby authorized to be appropriated, out of any money in the Treasury not otherwise appropriated, to be available until expended, the sum of \$800,000 for the purpose of making the studies, surveys, and report authorized by subsections (a) and (b) hereof.”

SECTION REFERRED TO IN OTHER SECTIONS

This section is referred to in sections 115, 135, 506 of this title; title 49 section 5505.

§ 506. International highway transportation outreach program

(a) ESTABLISHMENT.—The Secretary may establish an international highway transportation outreach program—