



U.S. Department
of Transportation

**Federal Highway
Administration**

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HISPANIC SERVING INSTITUTIONS (HSIs) ACTIVITIES REPORT 1991-98



UNIVERSITIES
& GRANTS
PROGRAMS

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"By 2050, it is said that one in every four U.S. residents will be Hispanic. The States leading the growth charge are those with the largest Hispanic populations—Florida, California, and Texas." - Betty Castor, President, The University of South Florida
January 8, 1999 ¹

COVER: The quadrants of the Universities and Grants Programs' logo represent (clockwise from lower left): Partnership, Scholarship, Academic Programs and Intermodalism.

¹Castor, Betty, "Answering the Call," *The Hispanic Outlook in Higher Education* 9 No. 9 (January 15, 1999): 80.

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INTRODUCTION

This report serves to document the scope of Federal Highway Administration's involvement with and support for Hispanic Serving Institutions (HSIs) from 1991 through 1997, the duration of the Intermodal Surface Transportation Efficiency Act (ISTEA), and the first year of the Transportation Equity Act for the 21st Century (TEA-21). HSIs are accredited colleges and universities, that serve a student population that is at least 25% Hispanic.²

Established by ISTEA and re-authorized by TEA-21 in 1998, the DDETFP has received funding of \$2 million annually and has provided fellowship support for more than 719 students and faculty involved in transportation-related study and/or instruction. Of the six DDETFP award categories, three are campus-based: Hispanic Serving Institutions (HSI) Fellowships, Historically Black Colleges and Universities (HBCU) Fellowships and Tribal Colleges Fellowships (TCF). The fellowships are administered on the campuses based on national standards established by the Universities and Grants Programs.

The DDE Program and the DDE HSI awards have "provided a means of outreach to expand [and diversify] the pool of talent devoted to transportation in academia, government and industry".³ A survey conducted among 1997 DDETFP recipients found that 94% of HSI fellowship recipients planned to pursue careers in transportation.

The DDETFP is but one entry point into the *transportation education pipeline*, a network of organized, academic, transportation-oriented experiences and exposures that are intended to cultivate a cadre of new transportation professionals for the new millennium. Other educational opportunities for HSI involvement with the U.S. Department of Transportation (DOT) are the University Transportation Centers Program (UTC), the National Summer Transportation Institutes (NSTI), and the Summer Transportation Intern Program for Diverse Groups (STIPDG).

This publication is designed to familiarize readers with the activities of these programs and to offer points of contact for the acquisition of additional information on HSIs.

² "Educational Excellence for Hispanic Americans." 59 Federal Register (24 Feb. 1994). ONLINE. Available: <http://frwebgate1.access.gpo.gov/cgi-bin/waisgate.cgi?WAISdocID=5548224836+0+0+0&WAISSaction=retrieve>. [20 September 1999].

³ Hempel, Fred J., Draft Report of a Review of the Dwight David Eisenhower Transportation Fellowship Program, February 5, 1999.

DWIGHT DAVID EISENHOWER TRANSPORTATION FELLOWSHIP PROGRAM (DDETFP)

The DDETFP was established in 1991 by the Intermodal Surface Transportation Efficiency Act (ISTEA) and re-authorized in 1998 by the Transportation Equity Act for the 21st Century (TEA-21) to attract, enhance, and retain the Nation's brightest minds and top talent to the field of transportation. Administered by the Universities and Grants Programs, the National Highway Institute, the Office of Professional Development, the Program is intermodal in nature and awards fellowships of \$2 million annually.

The DDETFP is comprised of six award fellowships in two categories:

NATIONALLY COMPETED FELLOWSHIPS

Graduate (GRAD) Fellowships enable students to pursue Masters Degrees or Doctorates in transportation-related fields at the university of their choice.

Grants for Research Fellowships (GRF) acquaint undergraduate and graduate students with transportation research, development, and technology transfer activities at U.S. Department of Transportation facilities.

Faculty Fellowships (FF) provide faculty in transportation fields with opportunities to enhance and update their transportation knowledge, including attendance at conferences, courses, seminars, and workshops.

CAMPUS-BASED FELLOWSHIPS

Historically Black Colleges and Universities (HBCU) Fellowships provide HBCU students with additional opportunities to enter careers in transportation. The program also serves as a feeder program for other Eisenhower fellowships.

Hispanic Serving Institutions (HSI) Fellowships provide HSI students with additional opportunities to enter careers in transportation. The program also serves as a feeder program for other Eisenhower fellowships.

Tribal Colleges Fellowships (TCF) identify transportation-related activities and provide student and faculty fellowship opportunities at Tribal Colleges.

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HISPANIC SERVING INSTITUTIONS AND THE DDETFP

The Hispanic Serving Institutions Fellowships became the second campus-based award category (the others being Historically Black Colleges and Universities Fellowships and Tribal Colleges Fellowships) of the Dwight David Eisenhower Transportation Fellowship Program in 1993. The University of Puerto Rico at Mayaguez became the first HSI to participate in the DDETFP with 2 HSI Fellowships recipients whose awards totaled \$8,380.

Since 1993, the number of participating colleges and universities has increased to 11. The HSI Fellowships cover tuition and participation in the annual Transportation Research Board Meeting, and provide the student with a living stipend during the time he/she is enrolled in school.

Prior to the establishment of the Eisenhower Transportation Fellowship Program by ISTEA, HSIs were also the source of recipients in the Grants for Research Fellowships, which had been initially announced in October 1983. The GRF Program, which was financed by FHWA, was a predecessor to the Dwight David Eisenhower Transportation Fellowship Program and provided students with opportunities to merge their academic study with practical experience by working on projects developed at FHWA program offices. With the establishment of the DDETFP, the Grants for Research Fellowships (GRF) Program became an award category of that DDETFP.

From 1984-1998, eight HSIs had students who received GRF awards. They are: Arizona State University, City College of New York, New Mexico State University, Pennsylvania State University, University of Arizona, University of Central Florida, University of New Mexico, Albuquerque, and the University of Texas at El Paso.

A number of HSIs have also had Faculty Fellowship Award recipients. They are: California State University, Dominguez Hills, California State University, Los Angeles, Florida International University, University of Central Florida, University of Puerto Rico, Mayaguez, and the University of Texas at El Paso. In addition, Arizona State University, City College of New York, and Pennsylvania State University, and the University of Arizona, had at least one GRAD recipient.

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**1993 - 1995 EISENHOWER TRANSPORTATION FELLOWSHIPS
HSI AWARDS**

1993

<u>HSI</u>	<u>Number of Awards</u>	<u>Funding Levels</u>
University of Puerto Rico, Mayaguez	2	\$8,380

1994

<u>HSI</u>	<u>Number of Awards</u>	<u>Funding Levels</u>
Florida International University	4	\$75,260
University of Puerto Rico, Mayaguez	<u>5</u>	<u>\$55,000</u>
Total	9	\$130,260

1995

<u>HSI</u>	<u>Number of Awards</u>	<u>Funding Levels</u>
California State University, Los Angeles	5	\$68,800
Florida International University	4	\$65,250
Texas A&M University, Kingsville	1	\$12,050
University of Central Florida	1	\$12,265
University of Puerto Rico, Mayaguez	4	\$44,000
University of Texas, El Paso	4	\$63,316
University of Texas, San Antonio	<u>5</u>	<u>\$71,034</u>
Total	24	\$336,665

**1996 - 1997 EISENHOWER TRANSPORTATION FELLOWSHIPS
HSI AWARDS**

1996

<u>HSI</u>	<u>Number of Awards</u>	<u>Funding Levels</u>
California State University, Los Angeles	5	\$35,100
Florida International University	5	\$40,700
Texas A&M University, Kingsville	2	\$38,700
University of Puerto Rico, Mayaguez	2	\$18,167
University of Texas, El Paso	3	\$51,000
University of Texas, San Antonio	<u>5</u>	<u>\$49,206</u>
Total	22	\$232,873

1997

<u>HSI</u>	<u>Number of Awards</u>	<u>Funding Levels</u>
California Polytechnic State University	3	\$50,263
California State University, Los Angeles	8	\$112,440
Florida International University	4	\$80,350
University of Puerto Rico, Mayaguez	2	\$22,520
University of Texas, El Paso	7	\$83,678
University of Texas, San Antonio	<u>2</u>	<u>\$30,648</u>
Total	26	\$379,899

1998 EISENHOWER TRANSPORTATION FELLOWSHIPS HSI AWARDS

1998

<u>HSI</u>	<u>Number of Awards</u>	<u>Funding Levels</u>
California State University, Los Angeles	5	\$82,275
Florida International University	5	\$78,100
Texas A&M University, Kingsville	1	\$9,250
University of Puerto Rico, Mayaguez	3	\$34,370
University of Texas, El Paso	5	\$35,800
University of Texas, San Antonio	<u>3</u>	<u>\$0</u>
Total	22	\$239,795

Note: Award categories with \$0 represent students that were accepted into the program but declined their awards.

Source : UEGP Database, August, 1999

DWIGHT DAVID EISENHOWER FELLOWSHIPS TO HSIs
1993-1998

AWARD CATEGORY	1993		1994		1995	
	Funding	Awards	Funding	Awards	Funding	Awards
HSI Fellowships	\$8,380	2	\$130,260	9	\$336,665	24
Faculty Fellowships	\$8,000	1	\$9,085	3	\$4,533	2
Graduate Fellowships	\$214,281	3	\$222,588	3	N/A	N/A
Sub Total	\$230,661	6	\$361,933	15	\$341,198	26
Grants for Research Fellowships*	\$224,791	5	\$88,090	4	\$157,249	3
Grand Total	\$455,452	11	\$450,023	19	\$498,447	29

AWARD CATEGORY	1996		1997		1998		Total	
	Funding	Awards	Funding	Awards	Funding	Awards	Funding	Awards
HSI Fellowships	\$232,873	22	\$379,899	26	\$239,795	22	\$1,327,872	105
Faculty Fellowships	\$9,964	3	\$2,665	2	\$6,830	3	\$41,077	14
Graduate Fellowships	N/A	N/A	\$73,200	1	\$4,839	1	\$514,908	8
Sub Total	\$242,837	25	\$455,764	29	\$251,464	26	\$1,883,857	127
Grants for Research Fellowships*	\$25,895	2	\$0	1	\$47,596	2	\$543,621	17
Grand Total	\$268,732	27	\$455,764	30	\$299,060	28	\$2,427,478	144

*Grants for Research Fellowships are funded by the FHWA/DOT Program Offices that sponsor projects.
Note: Award categories with \$0 represent students that were accepted into the program but declined their awards.

DWIGHT DAVID EISENHOWER TRANSPORTATION FELLOWSHIP PROGRAM

HSI PARTICIPATION CHRONOLOGY 1993-1998

<u>1993</u>		<u>1994</u>	<u>1995</u>
Arizona State University*	3 Additional Universities:	6 Additional Universities:	
Pennsylvania State University*	California Polytechnic State University**	California State University, Los Angeles	
University of Arizona	City College of New York***	Texas A&M University, Kingsville	
University of Puerto Rico, Mayaguez	Florida International University	University of Central Florida	
(1 st HSI Recipient University)		University of Miami***	
		University of Texas, El Paso	
		University of Texas, San Antonio	

1996

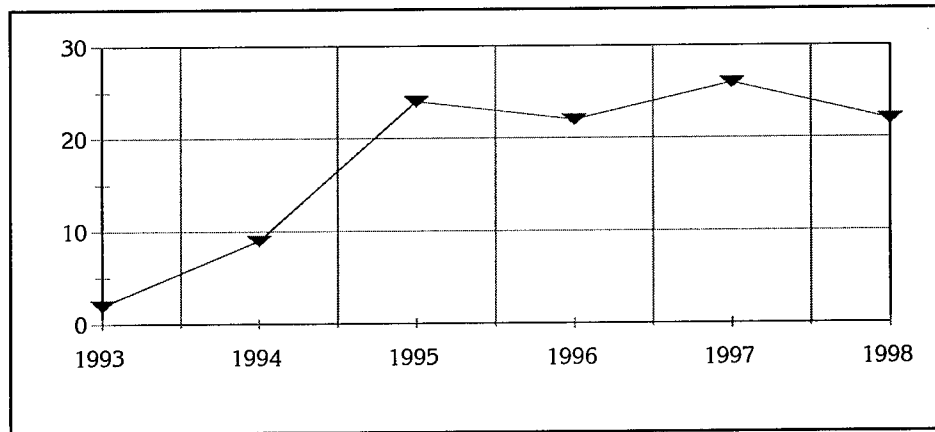
1 Additional University
New Mexico State University***

* Arizona State University and Pennsylvania State University had both Graduate Fellowship and Grants for Research Fellowship recipients.
**California Polytechnic had a Faculty Fellowship Recipient only.
*** City College of New York, University of Miami, and New Mexico State University had Grants for Research Fellowships recipients only.

DISTRIBUTION OF HSI FELLOWSHIPS RECIPIENTS

The first HSI Fellowships were awarded in 1993 with two University of Puerto Rico, Mayaguez Campus students receiving fellowships totaling \$8,380. From 1993 to 1995, there had been a steady increase in the number of recipients of the HSI Fellowship with an average increase of 63.2%. This corresponded with an increase in the number of HSIs participating in the DDETFP. In 1996, there was a slight drop (8.33%) from the previous year from 24 recipients to 22 (see Chart I). The number of HSI recipients increased by 15.38% in 1997 for a total of 26; although the number of HSI providing nominees in 1996 and 1997 remained the same, the average number of nominees provided by each institution in 1997 increased. Finally, in 1998, the number of recipients fell from 26 to 22.

Chart I - Number of HSI Fellowship Recipients, 1993 - 1998



Source: U&GP Database, August, 1999

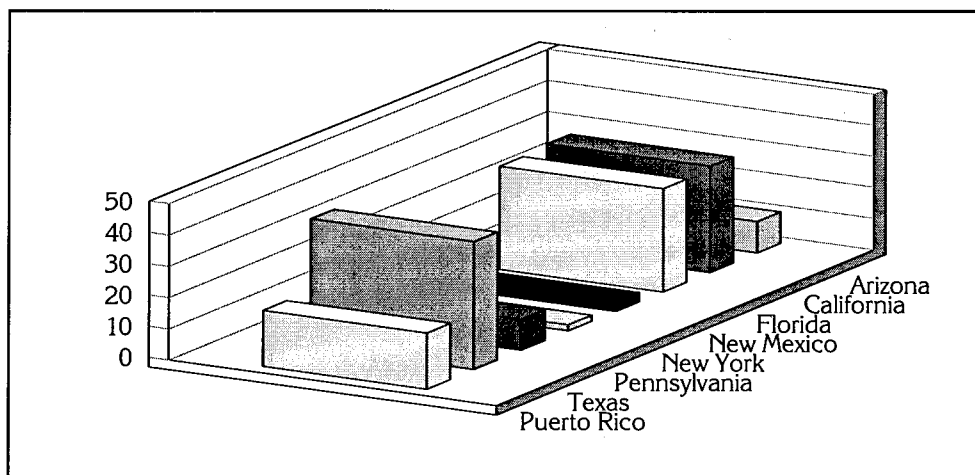
DISTRIBUTION OF DDETFP RECIPIENTS FROM HSIs BY STATE

Between 1985 to 1998, there were a total of 228 applicants and 151 recipients to the DDETFP from HSIs for all award categories; the first recipient from an HSI was a GRF recipient from New Mexico State University in 1985. Participating HSIs are located in 7 states and Puerto Rico:

- ◆ Arizona;
- ◆ California;
- ◆ Florida;
- ◆ New Mexico;
- ◆ New York;
- ◆ Pennsylvania; and
- ◆ Texas

The state with the greatest number of DDETFP recipients from HSIs is Texas, with 41 DDETFP recipients or 27.15% of the total (see Chart II). Texas is followed by California with 34 or 22.52% of the total DDETFP recipients, then by Florida with 33 or 21.85% of the total. Puerto Rico is next with 18 or 11.92%. Both Arizona and Pennsylvania had 10 or 6.94%, followed by New Mexico with three recipients. Finally, New York, with two DDETFP recipients, was the state with the smallest number of DDETFP recipients from HSIs. Incidentally, the states with the largest number of DDETFP recipients from HSIs- Texas, California, and Florida- are the states that are witnessing the greatest growth in the number of Hispanic residents.

Chart II - Distribution of DDETFP Recipients from HSIs by State
for all Award Categories, 1985 - 1998



Source: U&GP Database, August, 1999

UNIVERSITY TRANSPORTATION CENTERS PROGRAM

The University Transportation Centers Program (UTCP), initiated in 1987 under the Surface Transportation and Uniform Relocation Assistance Act, authorized the establishment and operation of transportation centers in each of the ten standard federal regions. The Intermodal Surface Transportation Act of 1991 (ISTEA) re-authorized the UTCs for an additional six years and added four national centers and six University Research Institutes (URIs). The mission of the 14 UTCs was to advance U.S. transportation expertise and technology transfer.

Through ISTEA, one HSI, City College of New York, was selected as one of the 10 regional transportation centers. City College of New York was part of the University Transportation Research Center whose theme was "Regional Mobility and Accessibility : Investment Strategies."

Under TEA-21 (1998-2003), the UTCP authorized 33 centers - 10 regional UTCs (1 in each federal region) and 23 earmarked centers. Of the 10 regional UTCs, City College of New York is an HSI and of the 23 earmarked centers, the University of Central Florida is an HSI:

Institution	Research Theme	Funding Levels by Year
City College of New York	Regional Mobility and Accessibility : Investment Strategies	1998 - 1999 - \$1,000,000 1999 - competition for funding
University of Central Florida http://catss.engr.ucf.edu/	Advanced Transportation Simulation	1998 - 1999 - \$300,000 2000 - 2001 - \$500,000 2002 and 2003 - competition for funding

The UTCP is administered by Research and Special Programs Administration (RSPA); FHWA and the Federal Transit Administration (FTA) are major partners.

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INTELLIGENT TRANSPORTATION SYSTEMS (ITS) CONSORTIUM

In 1994, FHWA awarded a contract to ITS Consortium, Inc., a non-profit educational and scientific organization, for the purpose of providing transportation skills and learning opportunities for students of HSIs and other minority institutions of higher education. The Universities and Grants Programs referred DDE recipients to ITS Consortium for prospective internship placements. The ITS Consortium was funded through ISTEA (1994-1997); it was not re-authorized under TEA-21.

The following HSIs have participated in the ITS Consortium Intern Educational Development Partnership Program:

College/University	Year of Participation	Private Sector Partner	Number of Interns
City College of New York	1997	Motorola	1
Florida International University	1996	N/A	1
Total Interns	2		

Source: ITS Consortium, Inc. Quarterly Reports, April - June, 1996 & July - September, 1997
N/A = Not available

NATIONAL SUMMER TRANSPORTATION INSTITUTES

TEA-21 provides funding for the National Summer Transportation Institutes for Secondary Students (NSTI). The NSTI was established when the FHWA signed a partnership agreement in 1992 with South Carolina State University (SCSU) in Orangeburg, South Carolina and the S.C. DOT. The first Institute was conducted on SCSU's campus in 1993 with twenty 9th and 10th grade students. In the second year, the local chapter of the National Urban League became involved and enrollment increased to 40 students. In successive years, participating universities hosted a maximum of 20 students on their campuses.

The objectives of the programs which are of 4 weeks duration are to encourage and motivate a diverse cadre of middle and high school youth to pursue transportation careers. The experience also gives them exposure to a college campus environment. The Deputy FHWA Administrator has been a champion of NSTI and its benefits to secondary students.

City College of New York was the first HSI to host a Summer Transportation Institute in 1996. It has also hosted Summer Transportation Institutes in 1997, 1998, and 1999. Florida International University and California State University, Los Angeles both hosted Summer Transportation Institutes in 1999.

Numbers of NSTI Host Institutions and Students Enrolled
1993-98

YEAR	NO. OF UNIVERSITIES	NO. OF STUDENTS
1993	1 (SCSU)	20
1994	1 (SCSU)	40
1995	6	135
1996	13	375
1997	16	385
1998	18	320
Total Students		1,275

Source: NSTI Resource Center, SCSU, 1999

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* 1986 Eisenhower Transportation Fellowship recipient, University of Florida

SUMMER TRANSPORTATION INTERNSHIP PROGRAM FOR DIVERSE GROUPS (STIPDG)

The Summer Transportation Internship Program for Diverse Groups (STIPDG) was launched in 1991 in order to provide hands-on, transportation-related experiences for undergraduate students from diverse cultural and academic backgrounds. A maximum of twenty undergraduates are assigned mentors who supervise interns' work during the ten week experience in June and July at assignments in FHWA, Federal Transit Administration (FTA), Federal Rail Administration (FRA) and Research and Special Projects Administration (RSPA). From its inception through 1998, one hundred forty students have participated in the program. The institutional distribution follows:

Numbers of STIPDG Students, Universities, and Inst. Designations
1991-1998

Year	No. of Students	No. of Universities	Institutional Designations
1991	10	6	3 HBCUs, 1 HSI
1992	15	13	6 HBCUs
1993	20	19	7 HBCUs, 1 HSI
1994	20	19	5 HBCUs, 4 HSIs
1995	20	15	5 HBCUs, 6 HSIs
1996	20	18	9 HBCUs, 3 HSIs
1997	15	13	3 HBCUs, 1 HSI, 1 TC
1998	20	18	6 HBCUs, 1 HSI
Total Students = 140			

Source: STIPDG Database

Key: HBCU=Historically Black Colleges and Universities

HSI=Hispanic Serving Institutions

TC=Tribal College

DWIGHT DAVID EISENHOWER
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EXECUTIVE ORDER 12900 OF FEBRUARY 22, 1994

Educational Excellence for Hispanic Americans

By the authority vested in me as President by the Constitution and the laws of the United States of America, and in order to advance the development of human potential, to strengthen the Nation's capacity to provide high-quality education, and to increase opportunities for Hispanic Americans to participate in and benefit from Federal education programs, it is hereby ordered as follows:

Section 1. There shall be established in the Department of Education the President's Advisory Commission on Educational Excellence for Hispanic Americans (Commission). The Commission shall consist of not more than 25 members, who shall be appointed by the President and shall report to the Secretary of Education (Secretary). The Commission shall comprise representatives who: (a) have a history of involvement with the Hispanic community; (b) are from the education, civil rights, and business communities; or (c) are from civic associations representing the diversity within the Hispanic community. In addition, the President may appoint other representatives as he deems appropriate.

Sec. 2. The Commission shall provide advice to the President and the Secretary on: (a) the progress of May 19, 1999 Hispanic Americans toward achievement of the National Education Goals and other standards of educational accomplishment; (b) the development, monitoring, and coordination of Federal efforts to promote high-quality education for Hispanic Americans; (c) ways to increase State, private sector, and community involvement in improving education; and (d) ways to expand and complement Federal education initiatives. The Commission shall provide advice to the President through the Secretary.

Sec. 3. There shall be established in the Department of Education the White House Initiative on Educational Excellence for Hispanic Americans (Initiative). The Initiative shall be an interagency working group coordinated by the Department of Education and shall be headed by a Director, who shall be a senior level Federal official. It shall provide the staff, resources, and assistance for the Commission and shall serve the Secretary in carrying out his or her responsibilities under this order. The Initiative is authorized to utilize the services, personnel, information, and facilities of other Federal, State, and local agencies with their consent, and with or without reimbursement, consistent with applicable law. To the extent permitted by law and regulations, each Federal agency shall cooperate in providing resources, including personnel detailed to the Initiative, to meet the objectives of this order. The Initiative shall include both career civil service and appointed staff with expertise in the area of education, and shall provide advice to the Secretary on the implementation and coordination of education and related programs across Executive agencies.

Sec. 4. Each Executive department and each agency designated by the Secretary shall appoint a senior official, who is a full-time officer of the Federal Government and responsible for management or program administration, to report directly to the agency head on activity under

this Executive order and to serve as liaison to the Commission and the Initiative. To the extent permitted by law and to the extent practicable, each Executive department and designated agency shall provide any appropriate information requested by the Commission or the staff of the Initiative, including data relating to the eligibility for and participation by Hispanic Americans in Federal education programs and the progress of Hispanic Americans in relation to the National Education Goals. Where adequate data is not available, the Commission shall suggest the means of collecting the data.

Sec. 5. The Secretary, in consultation with the Commission, shall submit to the President an Annual Federal Plan to Promote Hispanic American Educational Excellence (Annual Federal Plan, or Plan). All actions described in the Plan shall be designed to help Hispanic Americans attain the educational improvement targets set forth in the National Education Goals and any standards established by the National Education Standards and Improvement Council. The Plan shall include data on eligibility for, and participation by, Hispanic Americans in Federal education programs, and such other aspects of the educational status of Hispanic Americans as the Secretary considers appropriate. This Plan also shall include, as an appendix, the text of the agency plans described in section 6 of this order. The Secretary, in consultation with the Commission and with the assistance of the Initiative staff, shall ensure that superintendents of Hispanic-serving school districts, presidents of Hispanic-serving institutions of higher education, directors of educational programs for Hispanic Americans, and other appropriate individuals are given the opportunity to comment on the proposed Annual Federal Plan. For purposes of this order, a "Hispanic-serving" school district or institution of higher education is any local education agency or institution of higher education, respectively, whose student population is more than 25 percent Hispanic.

Sec. 6. As part of the development of the Annual Federal Plan, each Executive department and each designated agency (hereinafter in this section referred to collectively as "agency") shall prepare a plan for, and shall document, both that agency's effort to increase Hispanic American participation in Federal education programs where Hispanic Americans currently are underserved, and that agency's effort to improve educational outcomes for Hispanic Americans participating in Federal education programs. This plan shall address, among other relevant issues: (a) the elimination of unintended regulatory barriers to Hispanic American participation in Federal education programs; (b) the adequacy of announcements of program opportunities of interest to Hispanic-serving school districts, institutions of higher education, and agencies; and (c) ways of eliminating educational inequalities and disadvantages faced by Hispanic Americans. It also shall emphasize the facilitation of technical, planning, and development advice to Hispanic-serving school districts and institutions of higher education. Each agency's plan shall provide appropriate measurable objectives for proposed actions aimed at increasing Hispanic American participation in Federal education programs where Hispanic Americans currently are underserved. After the first year, each agency's plan also shall assess that agency's performance on the goals set in the previous year's annual plan. These plans shall be submitted by a date and time to be established by the Secretary.

Sec. 7. The Director of the Office of Personnel Management, in consultation with the Secretary and the Secretary of Labor, to the extent permitted by law, shall develop a program to promote

recruitment of Hispanic students for part-time, summer, and permanent positions in the Federal Government.

Sec. 8. I have determined that the Commission shall be established in compliance with the Federal Advisory Committee Act, as amended (5 U.S.C. App. 2). Notwithstanding any other Executive order, the responsibilities of the President under the Federal Advisory Committee Act, as amended, shall be performed by the Secretary, in accordance with the guidelines and procedures established by the Administrator of General Services.

Sec. 9. Administration. (a) Members of the Commission shall serve without compensation, but shall be allowed travel expenses, including per diem in lieu of subsistence, as authorized by law for persons serving intermittently in the Government service (5 U.S.C. 5701-5707).

(b) The Commission and the Initiative shall obtain funding for their activities from the Department of Education.

(c) The Department of Education shall provide such administrative services for the Commission as may be required.

Sec. 10. Executive Order No. 12729 is revoked.

UNIVERSITIES AND GRANTS PROGRAMS

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