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U.S. Department
of Transportation

**Federal Highway
Administration**

DWIGHT DAVID EISENHOWER TRANSPORTATION FELLOWSHIP PROGRAM



UNIVERSITIES
& GRANTS
PROGRAMS

EVALUATION AND ACCOMPLISHMENTS REPORT 1991 - 1997

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

INTRODUCTION

This report represents the accomplishments and evaluation of the Dwight David Eisenhower Transportation Fellowship Program (DDETFP) as initiated by the Intermodal Surface Transportation Efficiency Act (ISTEA), 1991- 1997.

The passage of ISTEA in December 1991 provided an unprecedented opportunity for the education of current and future transportation professionals by establishing the DDETFP. ISTEA or Public Law 102-240, Section 6001 stated that "the Secretary shall establish and implement a transportation research fellowship program for the purpose of attracting qualified students to the field of transportation engineering and research. Such program shall be known as the 'Dwight David Eisenhower Transportation Fellowship Program'. Of the funds made available pursuant to paragraph (3) for each fiscal year beginning after September 30, 1991, the Secretary shall expend not less than \$2,000,000 per fiscal year to carry out such program." The program is administered, on behalf of the Secretary, by the National Highway Institute, Federal Highway Administration, U.S. Department of Transportation which received authorization in the summer of 1992.

The objectives of the DDE Program, which is intermodal in its scope, encompassing all modes of transportation, are to:

- attract the Nation's brightest minds to the field of transportation;
- enhance the careers of transportation professionals; and
- retain top talent in the transportation community of the United States.

The DDETFP is a student-centered program with transportation education as its focal point. Its cadre of fellowship recipients reflects broad gender, racial, cultural, age, and geographic diversity.

A program review begun in 1997 to assess the quality and effectiveness of the DDETFP found that it was "clearly achieving the legislative objectives of '...attracting qualified students in the field of transportation.' In fact, over 78% of respondents went into the field of transportation."¹ A listing of selected former Fellowship recipients and their current occupations appears in Appendix C.

"It is important to institutionalize the knowledge, process, and network of contacts in operating the Dwight David Eisenhower Transportation Fellowship Program."²

-Ilene D. Payne, Ph.D.

Director, Universities and Grants Programs

¹Hempel, Fred J., Draft Report of a Review of the Dwight David Eisenhower Transportation Fellowship Program, February 5, 1999.

²Ibid.

BACKGROUND

The Grants for Research Fellowships (GRF) Program, operating from the newly built Turner Building at the Turner-Fairbank Highway Research Center (TFHRC), was initiated in 1983 to accomplish the following objectives:

- Create a pool of talented students to assist in upgrading the professional practices associated with the highway program through exposure of the individual research, development, and technology transfer activities.
- Merge academic study and practical application for students majoring in transportation and related disciplines.
- Extend and strengthen ties between the FHWA and the universities offering transportation-related academic programs with research potential.
- Encourage graduate students to pursue research and teaching careers in highway transportation.

The GRF Program was placed organizationally under the Associate Administrator for Research and Development until 1996 when the DDETFP was moved to the National Highway Institute (NHI), Associate Administrator for Safety and System Applications. Under the FHWA restructuring, DDETFP moved, along with the NHI to the Office of Professional Development.

GRF awards provided annual opportunities for full-time (40 hour/week) research, development and technology transfer projects ranging in duration from 3 to 12 months. The projects were identified by FHWA researchers based on program priorities. Each recipient was assigned both a faculty and technical advisor. The technical advisor was an FHWA staff member who provided on-site technical guidance and direction. In addition to providing the costs for tuition and fees and offering a monthly stipend, the awards provided funds for occasional on-site reviews by faculty advisors to evaluate student progress and develop on-going relationships with FHWA staff.

The goal was to provide 3 to 12 month research opportunities for undergraduate and graduate students around the country and, at the same time, researchers at TFHRC were able to prioritize research for completion that might otherwise not be accomplished. The technical advisors worked with faculty advisors to accomplish research projects which benefitted both the university and FHWA while providing hands-on research opportunities for the students. Student expenses were assumed by the program office sponsoring the research.

The awards were often modified to accommodate the completion of research and resulted in recipients being employed at FHWA and the transportation industry (Appendix C).

On the occasion of the 100th anniversary of the FHWA in 1993, an analysis of the first ten years of the GRF Program was undertaken. More detailed information about the first decade of the program, 1983-93, can be found in the Grants for Research Program: 10 Year Retrospective.³ A summary reveals that, during the period, 289 research projects were announced. Of 408 applicants, 212 (51.9%) students were selected. Of 147 universities represented by recipients, 14 (9.5%) were HBCUs and 21 of the 212 students selected (9.9%) attended HBCUs. From 1983 - 1993, the funding was \$4,045,121.

Upon implementation of the DDETFP in 1992, the Grants for Research Program became an award category of the Eisenhower Fellowships - the Eisenhower Grants for Research Fellowships; the term "program" was eliminated. Program offices sponsoring research projects continued to assume award funding.

Summary Table Grants for Research Fellowships
1983 - 1993

Number of Applicants	408
Number of Recipients	212
Percentage of Students Selected	51.9%
Number of Students attending HBCUs	21
Funding	\$4,045,121

Source: Grants for Research Program: 10 Year Retrospective, 1994

³ U.S. DOT Publication: FHWA-HI-94-006, HHI-20/1-94 [10M] E, U.S. DOT

OVERVIEW

The Dwight David Eisenhower Transportation Fellowship Program (DDETFP) was initiated in 1991 and became operational during the summer of 1992. The objective was to attract, enhance, and retain the brightest minds in transportation-related disciplines. Each year, approximately 125 fellowships are awarded to applicants from 550 universities.

The award categories of the DDETFP can be divided into two groups - **nationally competed awards** (Grants for Research, Graduate and Faculty Fellowships) and **campus-based awards** (Historically Black Colleges and Universities [HBCUs], Hispanic Serving Institutions [HSIs], Tribal Colleges [TCs]). Colleges and universities eligible to make nominations for campus-based awards are those institutions associated with Presidential executive orders (see APPENDIX H).

SELECTION

Over 500 colleges and universities receive fellowship announcements. Students must submit applications through their faculty advisors and be nominated by their universities. Recipients must be enrolled in an accredited university and must be citizens of the United States or verify their intent to become citizens.

Among the **nationally competed awards**, panels for each of the three award categories, comprised of national transportation professionals from the private and public sectors and academia, are convened in Washington, DC for the purpose of reviewing applicants' credentials and ranking them. Among the **campus-based awards**, institutions meeting the criteria for HBCU, HSI or TC eligibility develop and forward their plans for launching the DDETFP on their campus according to program guidelines to the Universities and Grants Programs. If their institutional plan is acceptable, individual panels, inclusive of at least one FHWA employee, are convened on the campuses and nominations are forwarded to Universities and Grants Programs for selection. Grants are awarded annually pending the availability of funds.

FELLOWSHIP AWARDS

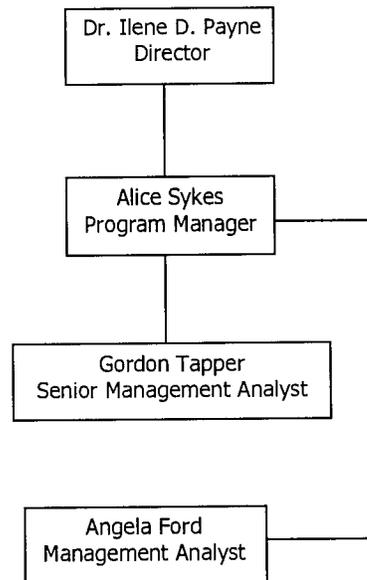
All student recipients receive tuition, a monthly stipend and a travel allowance to attend the Annual Transportation Research Board (TRB) Meeting each January in Washington, D.C. where recipients present abstracts of their research projects. Recipients use the opportunity to visit with their congressional representatives to make them aware of their participation in the DDETFP.

ORGANIZATION

The DDETFP is administered by the Director, Universities and Grants Programs, FHWA and a three-person staff. Activities include distribution and collection of fellowship applications, organization of review panels, development of grant awards, maintenance of official records of the fellowship program and statistical information on other transportation education activities within U.S. DOT. "The role of the Director, Universities and Grants Program(s), Dr. Ilene D. Payne, has been crucial to all aspects of the DDE Program."⁴

⁴Hempel, Fred J., Draft Report of a Review of the Dwight David Eisenhower Transportation Fellowship Program, February 5, 1999.

Universities and Grants Programs Organization Chart



INTERMODALISM

The Secretary was granted authority to establish a congressionally mandated program at \$2 million annually for the life of ISTEA making the program intermodal. Students are not limited to research associated with the Federal Highway Administration. To date, The Federal Transit Administration (FTA), the Maritime Administration (MARAD), the Federal Railroad Administration (FRA), the Federal Aviation Administration (FAA), and the Bureau of Transportation Statistics (BTS) have participated in the program.

TRANSPORTATION-RELATED DISCIPLINES

Opportunities for contributions within the field of transportation are no longer confined to engineering. The extent of academic disciplines with applicability to transportation are reflected in the partial list below:

Airway Science
Aviation Flight Management
Acoustics
Accounting
Agribusiness
Architectural Design
Business Administration/Management
Business Economics
Chemistry
City/Regional Planning
Civil Engineering
Computer Science/Engineering
Criminal Justice

Ecology
Economics
Electrical Engineering
Electronic Engineering
Energy Engineering
Engineering Mechanics
Engineering Science
Environmental Engineering
Environmental Chemistry
Environmental Management
Environmental Planning
Environmental Science
Finance

Geography
 Human Factors/Psychology
 Human Resources Development
 Industrial Engineering
 Intelligent Transportation Systems
 Law Enforcement
 Law
 Logistics
 Management Information Systems
 Management Systems Engineering
 Manufacturing Engineering
 Marketing
 Materials Engineering
 Mathematics
 Mechanical Engineering
 Metallurgical Engineering
 Nuclear Engineering
 Oceanographic Engineering

Organizational Communication
 Organizational Development
 Pavements
 Petroleum Engineering
 Planning
 Political Science
 Public Administration
 Public Policy Analysis
 Sociology
 Statistics
 Structural Engineering
 Systems Engineering
 Telecommunications
 Traffic Engineering
 Transportation Management
 Transportation Studies/Policy
 Urban Engineering
 Urban Technological Planning

Source: U&GP Database, July 1999

The following table represents all grant activity by year over the course of ISTEA.

Summary Table: All Eisenhower Award Categories 1991-1997

Year	GRF	GRAD	HBCU	HSI	FF	Total
1992	28	N/A	18	N/A	N/A	46
1993	36	26	57	2	0	121
1994	28	16	50	9	16	119
1995	21	14	47	24	18	124
1996	9	18	37	22	14	100
1997	17	15	51	26	19	128

Source: U&GP Database, August, 1999

PROGRAM REVIEWS

In 1993 a review conducted by the Office of Information and Management Services focused on program planning, process and paperwork. In 1997, a review team was formed to assess the effectiveness and quality of the DDE Program. The review team presented a summary (Appendix D) and oral results at the 78th Annual Transportation Research Board Eisenhower Research Showcase in January 1999. The draft report of the 1997 review was documented in February 1999.

GARRETT A. MORGAN TRANSPORTATION AND TECHNOLOGY FUTURES PROGRAM

“We are working to develop a transportation system that is international in reach, intermodal in form, intelligent in character, and inclusive in nature.” - Rodney E. Slater, Secretary of Transportation, November 5, 1997 ⁵

Announced by Secretary Slater in May 1997, the Garrett A. Morgan Transportation and Technology Futures Program (GAMTTFP) has three goals: to build a bridge between America’s youth and the transportation community; to support the development of improved educational technology that provides better ways for people to acquire new skills; and to ensure that America’s transportation workforce for the 21st Century is technologically literate and internationally competitive. The GAMTTFP hopes to reach one million students by the year 2000.

GAMTTFP is a representative of the transportation education pipeline wherein individuals’ orientation to transportation-related careers is introduced as early as possible during their developmental stages.

The program components operate at the following four tiers:

Grades K-12 - stimulate students’ interest in math, science and technology by creating awareness of the exciting jobs in transportation that require those skills.

Community College Level - identify and support collaborative efforts with community colleges and the private sector to provide transportation enterprise with a technologically skilled workforce.

Undergraduate and Graduate Levels - attract students to the study of transportation through the support of such programs as the Dwight David Eisenhower Transportation Fellowship Program and the University Transportation Centers Program.

Lifelong Learning - initiate partnerships between and among academic institutions, professional associations, DOT-supported training resources such as the National Highway Institute, National Transit Institute, the Transportation Safety Institute, and private sector training providers.

The first Garrett A. Morgan Education Roundtable, held in October 1997, was attended by more than 300 participants and served to identify and support efforts to enhance math, science, and technology literacy at all age levels through the engagement of industry partners. A future roundtable is being planned for the year 2000.

⁵ _____, Statement by Secretary Slater on House Leadership’s Evaluation of Department’s Strategic Plan, ONLINE, <http://www.dot.gov/affairs/dot18397.htm>

EISENHOWER GRANTS FOR RESEARCH FELLOWSHIPS

The GRF Program had begun in 1983 as an opportunity for students to obtain practical research experiences working with staff at FHWA's Turner-Fairbank Highway Research Center (TFHRC) on current research projects; the award of the first Grants for Research coincided with the opening of the Turner Building. The Grants for Research Fellowship (GRF) awards category pre-dates the ISTEA legislation and was included as a part of DDETFP at the program's inception.

Upon the establishment of the DDETFP, Grants for Research became an award category of the program. Expenses for GRF recipients continued to be borne by the program offices sponsoring the research. GRF recipients receive full tuition and fees and a monthly stipend based on their educational level. The levels included rising juniors through Ph.D. candidates. The range of GRF projects announced during the course of ISTEA is shown in Appendix B.

In Table I below are the number of GRF applicants, the number of GRF recipients and the number of universities in which recipients were enrolled for the years associated with ISTEA.

**Table I - Eisenhower GRF University/Applicant/Recipient Distribution
(1992-1997)**

Year	Number of Recipient Universities	Number of Applicants	Number of Recipients
1992	16	68	28
1993	24	71	36
1994	23	55	28
1995	15	36	21
1996	9	11	9
1997	14	22	17
Total	101	263	139

Source: U&GP Database, June 1999

During the course of the fellowships, circumstances may warrant requests for additional funds. In such cases, the modifications are made to the original grants as reflected in Table II below.

**Table II - GRF Modifications to Original Grants by Year
(1992-1998)**

Year	Number of Modifications
1992	64
1993	47
1994	25
1995	15
1996	7
1997	9

Source: U&GP Database, June 1999

The involvement of DOT/FHWA staff in the technical advisor capacity has been a vital link to the success of the GRF recipients and the program. To determine the diversity of disciplines and projects, appendices G and H were prepared. A listing of technical advisors from 1992-97 and their program offices appears in Appendix G; 1992-97 recipients' faculty advisors' names and their universities appears in Appendix H.

EISENHOWER GRADUATE TRANSPORTATION FELLOWSHIPS

"The Eisenhower Fellowship is the premier fellowship in the field of transportation."⁶

The Graduate Fellowship award category provides tuition and monthly stipend support to qualified masters and doctoral candidates as they engage in transportation-related research at the university of their choice. Tuition and fee support is capped at \$10,000 annually. Table III displays the numbers of Graduate Fellowship applicants, recipients and the universities attended by recipients during the years of ISTEA.

Table III - Eisenhower Graduate Fellowship University/Applicant/Recipient Distribution (1992-1997)

Year	Number of Recipient Universities	Number of Applicants	Number of Recipients
1992	N/A	N/A	N/A
1993	17	51	26
1994	15	88	16
1995	11	15	14
1996	10	20	18
1997	11	102	15
Total	64	276	88

N/A=not applicable

Source: U&GP Database, June 1999

⁶Wachs, Martin, "Seven UC Transportation Students Win Eisenhower Fellowships," *Institute of Transportation Studies Review* University of California 22 nos. 1-2 (November 1998-April 1999): 4.

EISENHOWER HISTORICALLY BLACK COLLEGES and UNIVERSITIES
(HBCU) FELLOWSHIPS

"HBCUs are a major source of African American college graduates and Black professionals in America...[yet] our schools have accomplished all this for a fraction of the cost compared to that of majority institutions."⁷ William Gray, President, The College Fund/UNCF, May 13, 1999

"I believe that student diversity contributes powerfully and directly to the quality of education in colleges and universities."⁸ Dr. Neil I. Rudenstine, President, Harvard University, February 4, 1999

The Eisenhower HBCU Transportation Fellowships provide one vehicle through which FHWA supports the Nation's Historically Black Colleges and Universities. Several partnership agreements had been made with HBCUs, serving to augment their educational programs with FHWA expertise. In fact, a Partnership between the FHWA SC Division and South Carolina State University in 1991 provided the foundation for the Eisenhower HBCU Fellowships. Hence, the 1992 recipients were all SCSU students. The establishment of fellowships for HBCUs was consistent with the intent of those partnerships as well as the White House Initiative on Historically Black Colleges and Universities (Appendix E) which had been established to cultivate federal support of mutually beneficial HBCU initiatives. Table IV displays the numbers of applicants, recipients, and the universities attended by HBCU recipients during the years of ISTEA.

Table IV - Eisenhower HBCU University/Applicant/Recipient Distribution (1992-1997)

Year	Number of Recipient Universities	Number of Applicants	Number of Recipients
1992	1	18	18
1993	10	70	57
1994	13	51	50
1995	15	47	47
1996	18	37	37
1997	17	91	51
Total	74	314	261

Source: U&GP Database, June 1999

More detailed information on the Eisenhower HBCU Fellowships along with other FHWA/HBCU initiatives may be obtained from the HBCU Activities Report 1991-98, FHWA Publication No. NHI-99-035.

⁷Devarics, Charles, "Washington Update," *Black Issues in Higher Education* 16 no. 6 (May 13, 1999): 8.

⁸Roach, Ronald, "Blacks in Crimson," *Black Issues in Higher Education* 15 no. 25 (February 4, 1999): 33.

EISENHOWER HISPANIC SERVING INSTITUTIONS (HSI)
FELLOWSHIPS

“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.”⁹ - Betty Castor, President, University of South Florida,
January 8, 1999

Workforce diversity studies indicate that Hispanics will become the largest single ethnic group in the United States. Recognizing the ethnic diversity of the American workforce, the Hispanic Serving Institutions Fellowships provide a vehicle through which FHWA/DOT supports HSIs. They also added another dimension to the campus-based awards and was consistent with Executive Order 12900, the White House Initiative on Educational Excellence for Hispanic Americans (Appendix F). Table V displays the numbers of DDEHSI applicants, recipients, and the universities attended by recipients during the years of ISTEA.

**Table V - Eisenhower HSI University/Applicant/Recipient Distribution
(1992-1997)**

Year	Number of Recipient Universities	Number of Applicants	Number of Recipients
1992	N/A	N/A	N/A
1993	1	2	2
1994	2	9	9
1995	7	24	24
1996	6	22	22
1997	6	26	26
Total	22	83	83

N/A=not applicable

Source: U&GP Database, June 1999

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

EISENHOWER FACULTY FELLOWSHIPS

The Faculty Fellowship awards have inherent value for students in transportation-related disciplines since this award category enables faculty members to enhance their professional expertise by attending conferences, symposia, meetings and other technical capacity building activities. Universities also acquire a benefit from Faculty Fellowship participation by their professors who are upgrading competencies in their fields. Reflected in Table VI below are the numbers of Faculty Fellowship applicants, recipients and universities at which recipients taught during the course of ISTEA.

**Table VI-Eisenhower Faculty Fellowship University/Applicant/Recipient Distribution
(1992-1997)**

Year	Number of Recipient Universities	Number of Applicants	Number of Recipients
1992	N/A	N/A	N/A
1993	0	4	0
1994	14	16	16
1995	15	40	18
1996	12	14	14
1997	16	22	19
Total	57	96	67

N/A=not applicable
Source: U&GP Database, June 1999

TRIBAL COLLEGES FELLOWSHIPS (TCF)

"Tribal Colleges are unique institutions that combine personal attention with cultural relevance, in such a way as to encourage American Indians-especially those living on reservations-to overcome the barriers in higher education." ¹⁰

In response to Executive Order 13021, the White Initiative on Tribal Colleges and Universities (Appendix F), efforts to engage Tribal Colleges in transportation-related fellowship activities did not yield recipients until 1998 (after ISTEA had expired and TEA-21 had been enacted) when two students at Lac Courtes Oreilles Ojibwa Community College (LCOOCC) were awarded fellowships.

Prior to those initial TCF awards, a faculty member from the Haskell Indian Nations University was awarded a Faculty Fellowship in 1995 to attend the annual Transportation Research Board Meeting.

Through the FHWA Wisconsin Division and State DOT, LCOOCC participated in the 1998 National Summer Transportation Institute as not only the first Tribal College host institution but the first community college as well.

THE TRIBAL COLLEGES

BAY MILLS COMMUNITY COLLEGE

12214 West Lake Shore Drive
Brimley, MI 49715
(906) 248-3354 - phone
(906) 248-3351 - fax

BLACKFEET COMMUNITY COLLEGE

P.O. Box 819
Browning, MT 59417
(406) 338-7755- phone
(406) 338-3272 - fax

CANKDESKA CIKANA COMMUNITY COLLEGE

P.O. Box 269
Fort Totten, ND 58335
(701) 766-4415 - phone
(701) 766-4077 - fax

CHEYENNE RIVER COMMUNITY COLLEGE

P.O. Box 220
Eagle Butte, SD 57625
(605) 964-6045 - phone
(605) 964-1144 - fax

COLLEGE OF THE MENOMINEE NATION

P.O. Box 1179
Keshena, WI 54135
(715) 799-4921 - phone
(715) 799-1308 - fax
vfowler@menominee.com

CROWNPOINT INSTITUTE OF TECHNOLOGY

P.O. Box 849
Crownpoint, NM 87313
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(505) 786-5644 - fax
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D-Q UNIVERSITY

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Davis, CA 95617
(530) 758-0470 - phone
(530) 758-4891 - fax
dqupres@aol.com

DINE' COLLEGE

P.O. Box 126
Tsaile, AZ 86556
(520) 724-3311 - phone
(530) 724-3327 - fax
tlewis@crystal.ncc.cc.nm.us

DULL KNIFE MEMORIAL COLLEGE

P.O. Box 98
Lame Deer, MT 59043
(406) 477-6215 - phone
(406) 477-6219 - fax
aspang@www.dkmc.cc.mt.us

FOND DU LAC TRIBAL & COMMUNITY COLLEGE

2101 14th Street
Cloquet, MN 55720-2964
(218) 879-0800 - phone
(218) 879-0814 - fax
ljbriiggs@asab.fdl.cc.mn.us

FORT BELKNAP COLLEGE

P.O. Box 159
Harlem, MT 59526
(406) 353-2607 - phone
(406) 353-2898 - fax

FORT BERTHOLD COMMUNITY COLLEGE

P.O. Box 490
New Town, ND 58763
(701) 627-3665 - phone
(701) 627-3609 - fax

¹⁰ _____. *Tribal Colleges: An Introduction*, ONLINE. February, 1999. American Indian Higher Education Consortium and The Institute for Higher Education Policy. Available: <http://www.ihep.com/intro.pdf>. [3 September 1999].

FORT PECK COMMUNITY COLLEGE

P.O. Box 398
Poplar, MT 59255
(406) 768-5551 - phone
(406) 768-5552 - fax

HASKELL INDIAN NATIONS UNIVERSITY

P.O. Box H-1305
Lawrence, KS 66046
(785) 749-8497 - phone
(785) 749-8411 - fax
bmartin@ross1.cc.haskell.edu

INSTITUTE OF AMERICAN INDIAN ARTS

1600 St. Michael's Drive
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Santa Fe, NM 87504
(505) 988-6463 - phone
(505) 988-6459 - fax

LAC COURTE OREILLES OJIBWA COMMUNITY COLLEGE

R.R. 2., Box 2357
Hayward, WI 54843
(715) 634-4790 - phone
(715) 634-5049 - fax
lcoocc1@win.bright.net

LEECH LAKE TRIBAL COLLEGE

Route 3, Box 100
Cass Lake, MN 56633
(218) 335-2828 - phone
(218) 335-7845 - fax
llicoll1@mail.paulbunyan.net

LITTLE BIG HORN COLLEGE

P.O. Box 370
Crow Agency, MT 59022
(406) 638-2228 - phone
(406) 638-2229 - fax
janine@main.lbhc.cc.mt.us

LITTLE PRIEST TRIBAL COLLEGE

P.O. Box 270
Winnebago, NE 68071
(402) 878-2380 - phone
(402) 878-2355 - fax

NEBRASKA INDIAN COMMUNITY COLLEGE

RR 2, Box 164
Niobrara, NE 68760
(402) 857-2434 - phone
(402) 857-2543 - fax

NORTHWEST INDIAN COLLEGE

2522 Kwina Road
Bellingham, WA 98226
(360) 676-2772 - phone
(360) 738-0136 - fax
boblorence@telcomplus.com

OGLALA LAKOTA COLLEGE

P.O. Box 490
Kyle, SD 57752
(605) 455-2321 - phone
(605) 455-2787 - fax

RED CROW COMMUNITY COLLEGE

P.O. Box 1258
Cardston, Alberta
Canada TOK OKO
(403) 737-2400 - phone
(403) 737-2101 - fax
redcrow@upanet.uleth.ca

SALISH KOOTENAI COLLEGE

P.O. Box 117
Pablo, MT 59855
(406) 675-4800 - phone
(406) 675-4801 - fax
joe_mcdonald@skc.edu

SINTE GLESKA UNIVERSITY

P.O. Box 490
Rosebud, SD 57570
(605) 747-2263 - phone
(605) 747-2098 - fax

SISSETON WAHPETON COMMUNITY COLLEGE

P.O. Box 689
Sisseton, SD 57262
(605) 698-3966 - phone
(605) 698-3132 - fax
elden@daknet.com

SITTING BULL COLLEGE

HC 1, Box 4
Fort Yates, ND 58538
(701) 854-3861 - phone
(701) 854-3403 - fax

SOUTHWESTERN INDIAN POLYTECHNIC INSTITUTE

Box 10146-9169
Coors Road NW
Albuquerque, NM 87184
(505) 346-2347 - phone
(505) 346-2343 - fax
ce@native.sipi.bia.edu

STONE CHILD COMMUNITY COLLEGE

Rocky Boy Route, Box 1082
Box Elder, Montana 59521
(406) 395-4313 - phone
(406) 395-4836 - fax

TURTLE MOUNTAIN COMMUNITY COLLEGE

P.O. Box 340
Belcourt, ND 58316
(701) 477-5605 - phone
(701) 477-5028 - fax
cartym@aol.com

UNITED TRIBES TECHNICAL COLLEGE

3315 University Drive
Bismarck, ND 58504
(701) 255-3285 - phone
(701) 530-0605 - fax
dmgipp@aol.com

WHITE EARTH TRIBAL & COMMUNITY COLLEGE

P.O. Box 478
Mahnomon, MN 56557
(218) 935-0417 - phone
(218) 935-0423 - fax

CONCLUSION

“Transportation is a major activity in this country; some estimate that it may employ directly or indirectly as many as one of every seven workers in the United States.” - Bruce Alberts ¹¹

DOT’s Goal: By 2002, increase by 5% the number of students graduating with transportation-related advanced degrees from universities receiving DOT funding. Estimate of graduates in FY 1998 is 4,000. As a long-term investment, by the end of CY 2000 reach one million students of all ages through the Garrett A. Morgan Technology & Transportation Futures Program. ¹²

The review of the DDETFP initiated in 1997 concluded that “DDETFP is operating consistently with its legislative mandate. Modest improvements can strengthen an already successful program.” ¹³ Several areas for improvement were indicated:

IMPROVEMENT AREA

ACTION ITEMS

Expanded outreach

The program has made information about individual award categories available on the web page and is working toward enabling on-line application.

Timely reliable stipends

U&GP staff have instituted checks and balances to expedite stipend payments.

Transportation professionals as mentors

Division office contact information is available on the website and has been distributed to universities.

Database enhancements

Enhancements have been made to the database since the program review and additional improvements are being sought with software technicians.

Participant Network

Once recipients are accepted, their e-mail addresses are made available to one another so that they may make contact prior to meeting at the Transportation Research Board Meeting in January.

¹¹Alberts, Bruce, “Preparing Tomorrow’s Transportation Workforce-Introduction,” *TR News* 200 (January-February 1999): 2.

¹²DOT Performance Plan FY 2000, p. 56.

¹³Hempel, Fred J., Summary: Review of the Dwight David Eisenhower Transportation Fellowship Program April 1997-December 1998.

VISION

"But the question arises, 'Who will educate this new Transportation Professional?' The responsibility for this education falls on the transportation faculty in our Nation's colleges and universities." - Joseph M. Sussman¹⁴

"This new 'Transportation Professional' will need a much broader and deeper education to participate effectively in the transportation field." - Joseph M. Sussman¹⁵

To date, the Dwight David Eisenhower Transportation Fellowship Program has enabled more than 750 students and faculty to enhance their capabilities in transportation-related disciplines. Many of the former DDE Transportation Fellowship student recipients are now making their marks as members of the transportation workforce, be it in the public or private sector or academia. Eisenhower recipients have further served to diversify that workforce. As the transportation industry looks to a new generation of transportation professionals to replenish its ranks, the DDETFP has contributed in a significant way toward the provision of solidly prepared personnel.

This document represents the second comprehensive report produced by Universities and Grants Programs relative to fellowship opportunities. It is preceded by the Grants for Research Fellowship Program: 10 Year Retrospective, published in 1994 which evaluated the GRF program from 1983-93. Since that time, the scope of fellowship support has broadened to include institutions reflecting the diversity of the U.S. population as well as faculty in transportation-related disciplines.

The DDETFP recognized early on that today's transportation professionals need to be equipped with skills gained from a variety of academic disciplines. The academic transportation concentrations currently being designed by the nation's institutions of higher education are multi-disciplinary in nature, reaching beyond traditional engineering courses.

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 next century. Other opportunities for entry are elementary and secondary school programs such as the AASHTO/Transportation and Civil Engineering (TRAC) Program, the National Summer Transportation Institutes and Cardozo TransTech Academy; the University Transportation Centers Program; and the Summer Transportation Internship Program for Diverse Groups. The Garrett A. Morgan Technology and Transportation Futures Program exemplifies the transportation education pipeline wherein individuals' orientation to transportation-related careers is introduced as early as possible during their developmental stages and continues through adulthood.

¹⁴Sussman, Joseph M., "The New Transportation Faculty: The Evolution to Engineering Systems," *Transportation Quarterly* Eno Transportation Foundation (Summer 1999).

¹⁵Sussman, Joseph M., "Educating the 'New Transportation Professional' ," *ITS Quarterly* (Summer 1995): 4.

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APPENDIX A GLOSSARY OF TERMS

DDETFP = Dwight David Eisenhower Transportation Fellowship Program

DOT = Department of Transportation

FF = Faculty Fellowship

FHWA = Federal Highway Administration

GAMTTFP = Garrett A. Morgan Transportation and Technology Futures Program

GRAD = Graduate Fellowships

GRF = Grants for Research Fellowships

HACU = Hispanic Association of Colleges and Universities

HBCU = Historically Black Colleges and Universities

HSI = Hispanic Serving Institutions

ISTEA = Intermodal Surface Transportation Efficiency Act

ITS = Intelligent Transportation Systems

NAFEO = National Association for Equal Opportunity in Higher Education

NHI = National Highway Institute

NSTI = National Summer Transportation Institute

STIPDG = Summer Transportation Internship Program for Diverse Groups

TCF = Tribal College Fellowships

TEA-21 = Transportation Equity Act for the 21st Century

TFHRC = Turner Fairbank Highway Research Center

APPENDIX B

DDETFP MULTIPLE FELLOWSHIP RECIPIENTS

Name	Award Categories
James Adler	1984/1985/1986 GRF
Christie-Joy Broderick	1996/1998 GRAD
Sebastian Bryson	1990/1991 GRF
Chris Coleman	1994 HBCU, 1996 GRF
Jay Scott Decker	1984/1985 GRF
Terry Esper	1995 HBCU, 1996 GRAD
Charles Floyd	1995/1998 FF
Nicholas Gagarine	1989/1992 GRF
Stacy Goad Williams	1996/1998 GRAD
Susan Handy	1995/1996 FF
Basil Mark Harris	1993 GRF, 1995 GRAD
Hassan Hashemian	1995/1996/1997/1998 FF
Donald Jacobovitz	1994 GRF, 1998 GRAD
Sylvan Jolibois	1992 GRF, 1994 FF
Zaher Khatib	1994/1997 FF
Rita Leahy	1984 GRF, 1994 FF
John Leonard	1994/1997 FF
Ming - Lou Liu	1989/1990 GRF
Talia McCray	1997/1998 GRAD
Walaah Mogawer	1987 GRF, 1994/1995 FF
Christopher Monsere	1996/1998 GRAD
Horace Moo-Young	1997/1998 FF
Salameh Nsour	1989/1991 GRF, 1994 FF
H.S. Oey	1997/1998 FF
Okey Onyemelukwe	1990/1993 GRF, 1995 FF

DDETFP MULTIPLE FELLOWSHIP RECIPIENTS (cont.)

<u>Name</u>	<u>Award Categories</u>
Sae-Uk Park	1993/1994 GRF
Raymond Lee Powell	1989 GRF, 1994 GRAD
Eugene Rusell	1995/1996/1998 FF
Kristen Sanford	1993 GRF, 1994 GRAD
Abdenour Seibi	1990/1993 GRF
James Simmons	1992 HBCU, 1993 GRF
Virginia Sisiopiku	1992 GRF, 1995 FF
Ramzi Taha	1994/1997 FF
Melissa Tooley	1993/1996 GRAD, 1999 FF
Andrew Wolfe	1994/1997 FF
Brian Wolshon	1990 GRF, 1997/1999 FF
Charles Wright	1995/1998 FF

Of the 38 DDETFP Recipients who have received more than one Eisenhower Fellowship award, 15 have received more than one award category. This provides for continuity of education in addition to faculty opportunity that benefitted both the university and the students.

APPENDIX C

Dwight David Eisenhower Transportation Fellowship Program Current Occupations of Former Recipients (1984-1997)

NAME	AWARD CATEGORY	CURRENT OCCUPATION	CURRENT EMPLOYER
Adjo Amekudzi, Ph.D.	1997 GRF	Assistant Professor	School of Civil & Environmental Engr. Georgia Inst. of Technology (Academic)
Hamid Aougab	1987 GRF	Senior Research Scientist	Research Analysis & Maintenance (Private)
Danyell C. Beard	1995 GRF	Highway Safety Specialist	FHWA Office of Highway Safety (Federal)
Christopher Eric Coleman	1994 HBCU & 1996 GRF	Chief Executive Officer	Coleman Enterprises International (Private)
Laura Cove	1990 GRF	Assistant Director	Office of Strategic Planning Tennessee DOT (State)
Tom Cova, Ph.D.	1996 Graduate	Assistant Professor	Department of Geography University of Utah (Academic)
Amy Epps, Ph.D.	1995 Graduate	Assistant Professor	Department of Civil Engineering Texas A&M University (Academic)
Nicolas Gagarine, Ph.D.	1989 & 1992 GRF	President	STARODUB, Inc. (Private)
Cecilia Ho	1994 GRF	Air Quality Specialist	FHWA (Federal)
Donald Jacobovitz	1995 GRF	Civil Engineer	Orange County, FL Dept. of Public Works (Municipal)
Greer Johnson	1992 GRF	Senior Traffic Engineer	ODETICS ITS (Private)

Sylvan Jolibois, Ph.D.	1992 GRF	Assistant Professor & Deputy Director	Lehman Center for Transportation Research, Florida International University (Academic)
Rita B. Leahy, Ph.D.	1984 GRF	Associate Professor	Dept. of Civil Engineering Oregon State University (Academic)
Show-Min Lin, Ph.D.	1992 GRF	Project Leader	Dept. of Transportation Traffic Research Laboratory ITT Industries, Systems Division Turner Fairbank (Federal)
Sharam Malek, Ph.D.	1989 GRF	County Transportation Engineer	Clayton County, Jonesboro, GA (Municipal)
Eyad Masad, Ph.D.	1997 GRF	Assistant Professor	Dept. of Civil and Environmental Engr. Washington State University (Academic)
Walaa Mogawer, Ph.D.	1987 GRF	Associate Professor	Dept. of Civil and Environmental Engr. University of Massachusetts, Dartmouth (Academic)
Yusuf Mohamedshah	1990 GRF	Transportation Engineer	Lendis Corp (Private)
Paul A. Mullaserill, Ph.D.	1994 Graduate	Assistant Professor	Dept. of Management Mankato State University (Academic)
Gregory Murrill	1990 GRF	Highway Engineer	FHWA/ITS Joint Program Office (Federal)
Salameh Nsour, Ph.D.	1991 GRF, 1994 FF	Assistant Professor	Dept. of Civil Engineering Santa Clara University (Academic)
Morris Oliver	1988 GRF	Transportation Specialist	FHWA/Office of Traffic Management and ITS Applications (Federal)
Okey Onyemelukwe, Ph.D.	1990 & 1993 GRF, 1995 FF	Assistant Professor	Dept. of Civil Engineering, University of Central Florida (Academic)

Arthur Parola, Ph.D.	1987 GRF	Associate Professor	Dept. of Civil Engineering University of Louisville (Academic)
Kiven Roberson	1997 HBCU	Operations Manager	Burlington Northern and Santa Fe Railway (Private)
Veretta Johnson Sabb, Ph.D.	1986 GRF	Program Coordinator	Nat'l Summer Transportation Institute Resource Center, South Carolina State University (Academic)
Ziad A. Sabra, Ph.D.	1984 GRF	Founder	Sabra, Wang & Associates, Inc. Columbia MD. (Private)
Kristen Sanford, Ph.D.	1993 GRF, 1994 GRAD	Assistant Professor	Dept. of Civil Engineering, University of Missouri, Columbia (Academic)
Shakir Rasheed Shatnawi	1989 GRF	Senior Pavement Engineer	Office of Pavement Design and Rehabilitation, California Dept. of Transportation (State)
James Simmons	1992 HBCU, 1993 GRF	Safety Specialist	Office of Motor Carriers & Highway Safety FHWA, Florida Division (Federal)
Virginia Sisiopiku, Ph.D.	1992 GRF, 1995 Faculty	Assistant Professor	College of Engineering Michigan State University (Academic)
Edgar Small, Ph.D.	1994 GRF	Research Structural Engineer	FHWA Office of Infrastructure R&D, (Federal)
Arlík Svenson	1991 GRF	Research Engineer	National Highway Transportation Safety Administration (Federal)
Amy (Tzung-Wen) Tang	1992 Graduate	Intelligent Transportation Systems Engineer	Virginia Department of Transportation (State)
Carol Tan- Esse	1989 GRF	Highway Research Engineer	FHWA Pedestrian and Bicycle Safety Research Program (Federal)

Melissa Tooley, Ph.D.	1993, 1996 Graduate, 1999 Faculty	University Transportation Center Director	Mack-Blackwell National Rural Transportation Study Center University of Arkansas (Academic)
Dawn C. Tucker	1996 HBCU	Civil Aviation Security Specialist	Office of Civil Aviation Security Policy and Planning, FAA (Federal)
Ernesto Villalba	1992 GRF	Transportation Engineer	Virginia Dept. of Transportation, Structure & Bridge Division (State)
Billy Williams, Ph.D.	1995 Graduate	Assistant Professor	School of Civil & Environmental Engr. Georgia Inst. of Technology (Academic)
Brian Wolshon, Ph.D.	1990 GRF	Assistant Professor	Dept. of Civil & Environmental Engr. Louisiana State University (Academic)
Li Zhang, Ph.D.	1997 GRF	Transportation Engineer	FHWA/ITT SSC (Federal)

Source: Universities & Grants Programs, 5/5/99

APPENDIX D

Summary: Office of Program Quality Coordination

Review of the Dwight David Eisenhower Transportation Fellowship Program April 1997 - December 1998

Purpose: To assess the effectiveness and quality of the Dwight David Eisenhower Transportation Fellowship (DDE) Program.

Methodology: Document reviews, interviews, mail, and telephone surveys of DDE participants including current participants and alumni.

Background: The DDE Program established by ISTEA in 1991, reauthorized by TEA-21 in 1998 at funding level of \$2 million annually, to attract students to the field of transportation. [ISTEA language was more specific: "transportation engineering and research."] DDE Program has been expanded to include Eisenhower Graduate Fellowships, Eisenhower HBCU Fellowships, Eisenhower HSI Fellowships, Eisenhower Tribal Colleges Initiative, Eisenhower Grants for Research Fellowships, and Eisenhower Faculty Fellowships. The HBCU, HSI, and Tribal College Programs may be seen as an implementation of Presidential Executive Orders in 1993, 1994, and 1996.

Findings: Only \$97,000 was awarded in 1992, the first year of program operations. Carry-over of unused funds and addition of other program funds produced total DDE Program awards of \$3.5 million in 1993, and \$3 million in 1997, 2 peak years, and a total of \$15 million through 1998. Selectivity and selection process vary by program. Highly selective Graduate Fellowships are awarded by a central expert panel, local panels operated by participating HBCU and HSI schools appear to be less selective based on the number of applications reported versus awards granted. HBCU and HSI programs are cost-effective in reaching a large number of students. Survey results are summarized on the reverse side of this page. Over 60 percent of Graduate Fellowship respondents received PhDs, and over 60 percent are in academia. Over 94 percent of HSI respondents and over 59 percent of HBCU respondents are pursuing a transportation career. One hundred percent of responding HSI recipients, and 68 percent of HBCU respondents received degrees in engineering or related sciences. Comments of award recipients include many positive points such as importance of DDE Program award to finance their continued education, freedom to pursue research of interest. Concerns expressed by recipients include timely payment of awards by some participating institutions, greater oversight, greater tie-in with future employment in transportation, and better opportunities for contact with other DDE Program award recipients.

Areas for improvement:

- Expanded Outreach
- Timely, reliable stipends
- Mentoring by Transportation Professionals
- Database Enhancements
- Networking of participants

Conclusion: Dwight David Eisenhower Transportation Fellowship Program is operating consistently with its legislative mandate. Modest improvements can strengthen an already successful program.

**1997 SURVEY OF DDE FELLOWSHIP RECIPIENTS
SUMMARY OF RESULTS**

PROGRAM	Graduate Fellowship	HBCU	HSI	Subtotal HBCU+HSI	TOTAL Grad+ HBCU+HSI
# Response/Total % Sample # Schools	28/73 38% 20	41/183 22% 17	18/55 33% 6	59/238 25% 23	87/311 28% 43
#/%Degree Levels					
PhD	17 (61%)	1 (2%)	-	1 (2%)	18 (21%)
Masters	11 (39%)	12 (29%)	6 (33%)	18 (31%)	29 (33%)
Bachelors	-	28 (68%)	12 (67%)	40 (68%)	40 (46%)
#/%Degree Types					
Engineering	18 (64%)	10 (24%)	16 (89%)	26 (44%)	44 (51%)
Related Science	10 (36%)	18 (44%)	2 (11%)	20 (34%)	30 (34%)
Other	-	13 (32%)	-	13 (22%)	13 (15%)
Future Degree Sought					
Yes	2 (7%)	16 (39%)	4 (22%)	20 (34%)	22 (25%)
No	2 (7%)	6 (15%)	2 (11%)	8 (14%)	10 (12%)
Don't Know/No Response	24 (86%)	19 (46%)	12 (67%)	31 (52%)	55 (63%)
Work Objectives					
Highway	20 (71%)	8 (20%)	13 (72%)	21 (35%)	41 (47%)
Other Transportation	7 (25%)	16 (39%)	4 (22%)	20 (34%)	27 (31%)
Non-transportation	1 (4%)	17 (41%)	1 (6%)	18 (31%)	19 (22%)
Work Sector					
Government	3 (11%)	18 (44%)	10 (56%)	28 (48%)	31 (36%)
Academia	17 (60%)	2 (5%)	3 (17%)	5 (8%)	22 (25%)
Private	8 (29%)	21 (51%)	5 (28%)	26 (44%)	34 (39%)
Learned of Program					
Dean/Prof/Advisor	13 (46%)	31 (75%)	11 (62%)	42 (71%)	55 (63%)
Bulletin Board/Flyer	3 (11%)	6 (15%)	4 (23%)	10 (17%)	13 (15%)
FHWA	3 (11%)	2 (5%)	1 (5%)	3 (5%)	6 (7%)
State DOT	2 (7%)	2 (5%)	1 (5%)	3 (5%)	5 (6%)
Other	7 (25%)	-	1 (5%)	1 (2%)	8 (9%)

APPENDIX E

EISENHOWER GRANTS FOR RESEARCH FELLOWSHIPS (GRF) PROJECTS 1992-97

1992 GRF Projects

1. A Guide to International Transportation Resources Available to Caribbean and Latin American Countries (Pan American Institute of Highways)
2. Settlement Calculation Method for Bridge Footing on Sand
3. PC Data base Program for Geotechnical Test Sites
4. Kinematic Design of a Road Roughness Profiler
5. Physical and Mechanical Properties of Portland Cement Concrete for Pavements Made with Recycled Concrete Aggregate
6. Hydraulics Laboratory Physical Model Study
7. Correlation of Skid Resistance to Manning's "n"
8. Durability of Concrete Reinforced with FRP Grating
9. Practical Application of Elastic-Plastic Fracture Toughness Data to Highway Bridges
10. Wearing Surface Abrasion Testing of Modular Fiberglass Bridge Deck System
11. Dynamic Response of an FRP-Grating-Reinforced Concrete Bridge Deck Slab
12. Ultimate Strength of Fatigue Cracked Girders Retrofitted with External Prestressing
13. Evaluation of Devices Used to Determine the Rutting Susceptibility of Asphalt Concretes
14. Investigations into IVHS System Designs
15. Application of Navigational Technologies to Vehicles
16. Variability of Travel Time Data and its Application to IVHS
17. Impact Behavior of Fiber Reinforced Composite Materials/Structures for use in Roadside Safety Applications-II
18. Innovative Reinforced and Precast Concrete Culvert Analysis and Design
19. Analytical Studies for Base Isolation of Bridges

1992 GRF Projects(cont.)

20. Miscellaneous Programs Testin
21. Comparative Analysis of FREFLO and FRESIM
22. Development of a Method of Data File Conversion from UTPS to TRAF
23. Development and Evaluation of Freeway Incident Detection Algorithms
24. Evaluation of a Real Time Ramp Metering Algorithm for Alleviating Non-Recurrent Freeway Congestion
25. Effect of Clear Zones on Harm Done in Ran-Off-Road Accidents
26. Metropolitan Area Travel Demand Modeling, Air Quality Assessment and Congestion Management

In 1992, of 26 projects submitted by Program Offices, students were selected for 24.

1993 GRF Projects

1. Ship Manning and Fitness for Duty
2. Work in Truck Pavement Interaction High Priority Area
3. Development of an Automated System for Motor Carrier Research Reports
4. Settlement Calculation Method for Bridge Footing on Sand
5. Evaluate Alternative Congestion Indices for Comparing Urban Areas and Making Global Analyses of Major Transportation Strategies
6. Transportation Technology Transfer in the Caribbean
7. Safety and Environmental Design Considerations in the Use of Commercial Electronic Variable-Message Signage
8. Marine Transportation Engineering
9. Assessing Fatigue Propagation in Structural Components Using Artificial Neural Analysis of Acoustics Emissions
10. Durability of Concrete Reinforced with Fiber-Reinforced-Polymer (FRP) Grating
11. Intersection Air Quality Analysis Methodology
12. Effects of the Minus 75-um Aggregate on Stone Matrix Asphalt (SMA) Mixture Properties
13. Validation of Strategic Highway Research Program (SHRP) Binder and Mixture Tests
14. Investigation of Transfer and Development Lengths for Lightweight Prestressed Concrete Members
15. Impact of the North American Free Trade Agreement on the US Truck and Bus Industry
16. Develop Model Safety Program for Motor Carrier
17. Voice Actuated Inspector's Assistant
18. Virtual Reality
19. Finite Element Method (FEM) Computer Program for Structural Analysis of Bridges
20. Develop An Expert System to Select Appropriate Traffic Simulation Model
21. Case Study Analysis of the Impacts of Alternative Land Use Patterns on Transportation System Performance and Air
22. Assessing the Relationship Between Recurring and Nonrecurring Highway Congestion
23. Regional Ozone Model Evaluation

1993 GRF Projects (cont.)

24. Laboratory Experiments on Culvert Hydraulics
25. Effects of Asphalt Modifications on Asphalt-Aggregate Intersections and Performance
26. Motor Carrier Statistics
27. Develop Options to Improve Roadside Enforcement through the Use of Information from On-Board Recorders
28. Radioactive Waste Material Transportation by Highway
29. Research on Cargo Tank Accidents
30. Motor Carrier Industry Survey to Determine Existing Electronic Technologies Used by Carriers to Maintain Safety
31. Estimate the Expected Costs and Benefits to Motor Carriers and States of Electronic Truck/Bus Inspections at Mainline Speeds
32. Methodology for Expert Systems Testing
33. Impact Behavior of Fiber Reinforced Composite Materials/Structures for Use in Roadside Safety Application
34. Computer Simulation of Motor Vehicle Collisions into Roadside/Roadway Objects Using DYNA3D/NIKE3D
35. Effects of Asphalt Modifications on Asphalt-Aggregate Interactions and Performance
36. Laboratory Experiments on Culvert Hydraulics
37. Computer Simulation of Turbulent Air Flow Around Vibrating Bluff Bodies
38. Definition of Wind Climates at Long-Span Bridge Sites
39. Practical Application of Fracture Mechanics to Assess Cracking in Steel Bridges
40. Analytical Studies for Base Isolation of Bridges
41. Bond and Development Length of Fiber-Reinforced Polymer (FRP) Prestressing Tendons
42. Use of Bonded Fiber-Reinforced Polymer (FRP) Prestressing Tendons
43. Development of Prototype "Older Urban Traveler Plan" for Increasing the Mobility and Safety of Older Road Users
44. Evaluating Changes in Traveler Behavior and Productivity for Telecommuters
45. Testing Traffic Simulator Programs
46. STATNAMIC Testing of Pile Foundations

In 1993, of 46 projects submitted by Program Offices, students were selected for 36.

1994 GRF Projects

1. Land Use and Transportation
2. Develop an Expert System for Understanding Interpreting Commercial Motor Vehicle Safety
3. In-Depth Assessment of Office of Motor Carrier (OMC) Census Program
4. Comparison of Innovative Maglev Concepts
5. Evaluating Multimodal Transportation Alternatives
6. Finite Element Modeling of Padding for Crash Protection
7. Transportation Technology Transfer in the Caribbean Islands
8. Bridge Management
9. Durability of Concrete Reinforced with FRP Reinforcing
10. Tree Planting Manual to Enhance Highways
11. Vehicle Fleet Emissions Estimations
12. Geographic Information System Applications for Management Systems
13. State of the Practice Review Follow-up
14. Techniques to Identify Valid Weigh-In-Motion (WIM)
15. Potential for Shifting Auto Trips to High Speed Ground Transportation: Lessons to be Learned from "Non-Frills" Airlines
16. Development of Multiple Imputation Methodology for Estimating Unknown Blood Alcohol Content (BAC) in Fatal Crashes
17. Analysis of Wind and Bridge Response Data
18. Analysis of Structural Response Data from Weigh-in-Motion Instrumentation on Bridges
19. Computer Simulation of Turbulent Air Flow Around Vibrating Bluff Bodies
20. Numerical Simulation of Flow and Hydraulics at Highway Stream Crossings
21. Impact Behavior of Fiber Reinforced Composite Materials/Structures for Use in Roadside Safety Applications
22. Traffic Model Testing
23. Vehicle Impact Finite Element Models
24. Modeling of Major Thoracic Organs Under Impact Conditions
25. Bi-Modular Characteristics of Asphalt Concrete
26. Determine Effectiveness of Roadside Covert Activities and Study Out-of-Service Variances from State to State

1994 GRF Projects (cont.)

27. Motor Carrier Data Analysis
28. Computer Modeling of Cargo Tank Design and Construction
29. Truck-Pavement Interaction Finite Element Modeling
30. Native American Coordination Policy
31. Regional Ozone Model Evaluation
32. Review and Analysis of Transportation Planning to Other Forms of Metropolitan Planning
33. Finite Element Modeling of Pin and Hanger Strap Connections
34. Investigate the Use of Weigh-in-Motion (WIM) Data in Pavement Design
35. Monitoring of FRP Bridge Deck Demonstration Project
36. Safety and Traffic Evaluation of Different Type of Intersections on Two-Lane by Two-Lane Rural or Suburban Highways
37. Establishing Relationships Between Accidents Change
38. Initial Analysis of the Long-Term Pavement Performance (LTPP) Seasonal Monitoring Program Data
39. Simulation of Sensor Systems for Transportation Applications
40. Anchorage Design and Fatigue of FRP Bridge Cables

In 1994, of 40 projects submitted by Program Offices, students were selected for 28.

1995 GRF Projects

1. Develop a System of Continuous Improvement Measurement for the Office of Motor Carriers
2. Tools for Travel Demand Management (TDM) & Transportation Control Measure Analysis (TCM)
3. High-Visibility Clothing for Work Zone Use
4. Analysis of National and Regional Travel Trends
5. Traffic Model Testing
6. Real-Time Traffic-Adaptive Signal Control Strategy Testing
7. Sustainable Transportation
8. Pavement Instrumentation
9. Methods for Effective Use of GIS for Transportation Systems Analysis
10. Design of a Wearable Computer System for Highway Inspectors
11. Motor Carrier Research & Development Management Information System
12. Commercial Vehicle Operation (CVO) Program
13. Regulation Translation and Interpretation
14. Causes of Motor Vehicle Accidents
15. Analysis of Wind and Bridge Response Data
16. Design of Scaled Models for Wind Tunnel Testing of Highway Structures
17. Active Turbulence Simulation in Wind Tunnels Using Oscillating Grids or Other Devices
18. Travel Behavior Analysis
19. Field Determination of Material Properties Using Ultrasonic Attenuation Measurements
20. Development of an Interactive Relational Database for Bridge Material Properties and Performance
21. Review and Analysis of Transportation Planning Including Relationship to Other Forms of Metropolitan Planning
22. Initial Application and Testing of Early Products of the Travel Model Improvement Program (TMIP)
23. On-Line Dynamic Traffic Diversion Model Development
24. Early Analysis of the SUPERPAVE SPS-9 Data

1995 GRF Projects(cont.)

- 25. Human Factor Approach to Design Consistency
- 26. Statistical Analysis of the Long-Term Pavement Performance Data
- 27. Impact Behavior of Fiber Reinforced Composite Materials/Structures for Use in Roadside Safety Applications
- 28. Analysis of Structural Response Data from Weigh-In-Motion Instrumentation on Bridge
- 29. Transportation Technology Transfer in the Caribbean Islands

In 1995, of 29 projects submitted by Program Offices, students were selected for 22.

1996 GRF Projects

1. Understanding Change in the context of Transportation Planning: Impacts on Institutional Relationships
2. Development of Electronic Grand Rounds Data System
3. Synthesis of Using GIS Technology in Household Travel Surveys
4. Testing of FRP Composite Bridge Deck
5. Use of Eddy Currents to Detect Fatigue Cracks Near Welds in Low Carbon Steel
6. The Use of Photo Elastic Coatings in the Bridge Engineering Field
7. Crack Depth Measurement in Highway Bridges Using Ultrasonic Techniques
8. Traffic Model Testing
9. Analysis of Locomotive Engineer Sleep Diaries
10. Review and Analysis of Transportation Planning Including Relationship to Other Forms of Metropolitan Planning
11. Development of GIS-Based Pedestrian and Bicycle Safety Analysis Techniques
12. Finite Element Modeling of Bridge Railing to Deck Connections

In 1996, of 12 projects submitted by Program Offices, students were selected for 9.

1997 GRF Projects

1. Assembling and Presenting Trend Analysis Data for Performance Indicators
2. Establishing a Causal Relationship Between FHWA Strategies and Program Management, and Performance Goal Outcomes
3. Application of Position Annihilation to Determine Fatigue State of Steel
4. Calculation of Electrical Parameters of Inductive Loops
5. Curved Girder Bridge Analysis Techniques
6. Analytical Studies for Active Control of Base Isolated Highway Bridge Structures
7. Factors Influencing Driving Speed
8. Numerical and Experimental Study of the Behavior of Composite Material Guardrails
9. The Effect of Environmental Illumination of Sign Conspicuity and Levels of Retroreflectivity
10. Hydraulics Laboratory Study of Scour Resistant Bridge Pier Design
11. Fracture Toughness Tests to Develop Brittle-Ductile Transition Curves for Structural Steel
12. Incorporating Uncertainty into Highway Investment/Performance Analysis
13. Definition of Multimodal Intelligent Transportation System Concepts for Urban Areas
14. Safety of High-Speed Rail Systems
15. Thermal/Spectroscopic Characterization of Crumb Rubber Modified Asphalt and its Evolved Gas Analysis
16. Microstructural Analysis of Asphalt Concrete
17. Creating Greater Levels of Interaction Between Technology Transfer Centers in Developing Countries
18. Creating Greater Interaction Between Universities and the Transportation Practitioners in Order to Advance Professional Capacity and Skills Development Programs in the Area of Intelligent Transportation Systems
19. Evolving Geographic Information Systems of Public Transit Operators into the Intelligent Information Infrastructure of the Future
20. Performance and Economic Analysis of Fuel Cells for Transportation

1997 GRF Projects (cont.)

21. Automatic Fare Collection - A Study of Technology Change
22. Accessibility of Low Income Populations to Societal Amenities
23. ITS Professional Capacity Building
24. Use of Eddy Currents to Detect Fatigue Cracks near Welds in Low Carbon Steel
25. Testing for the Significance of Induced Highway Demand
26. A New Look at Travel Time and Cost Budgets

In 1997, of 26 projects submitted by Program Offices, students were selected for 15.

APPENDIX F

Eisenhower Grants for Research Fellowships (GRF) Recipient List by Year/University 1992-1997

1992 GRF Recipients

Recipient	University
Gary Robert Anderson	Catholic University of America
William Francis Carducci,	University of Maryland, College Park
Nicolas Gagarine	University of Maryland, College Park
Xabier Joseba Guerricagoitia	George Washington University
Jonathan James Hilt	University of New Hampshire
Lovell Lionel Hopper, III	California State University, Sacramento
Greer Johnson	Georgia Institute of Technology
Sylvan C. Jolibois, Jr.	University of California, Berkeley
Thanavat Junchuya	University of Maryland, College Park
Andrew Earl Lewis	University of Rhode Island
Shiow-Min Lin	University of Florida
Peter J. Malmquist	University of Maryland, College Park
Sean Patrick Moore	Worcester Polytechnic Institute
Beth Sharon Pent	University of Kentucky
Rostam Pouroushasb	University of Maryland, College Park
Ranganathan Raghunathan	Virginia Polytechnic Institute & State University
Venkatram C. Ravishankar	Catholic University of America
Kamal Saffarinia	Catholic University of America
Stephen M. Sawyer	University of New Hampshire
Virginia Sisiopiku	University of Illinois, Chicago
Douglas L. Skiles	University of Florida

1992 GRF Recipients (cont.)

Recipient

Egan Richard Smith

Hernando C. Tjiang

Tang Tzung-Wen

Ernesto Villalba

Jifeng Wu

Binshan Ye

Zhili Yu

University

Howard University

University of Maryland, College Park

University of Maryland, College Park

California State University, Long Beach

University of Maryland, College Park

Michigan State University

Catholic University of America

1993 GRF Recipients

Recipient	University
Michael Eric Bienvenu	North Carolina State University
Steven "Ross" Blanchard	University of Delaware
Wayne Alan Chadbourne	Tufts University
Ryan Carl Christenson	Texas A&M University, College Station
Charles Anthony Clarke	Howard University
Emmanuel Cofie	Catholic University of America
Gloria J. P. Crawford	Southern University and A&M College
Catharine Anne Doty	Clemson University
Daqing Feng	University of Maryland, College Park
Basil Mark Harris	Drexel University
Richard Peter Izzo	University of Rhode Island
Anwarul Karim	West Virginia University
Mahathi B. Kuchi	Virginia Polytechnic Institute & State University
Sang Yong Lee	University of Maryland, College Park
Peter Lim	Northwestern University
Julie B. Lindemann	Oregon State University
Michaelangelo Mota	New Jersey Institute of Technology
Ram Nagendran	Virginia Polytechnic Institute & State University
Thomas Norris	University of Arizona
Sae Uk Park	Pennsylvania State University
Mohammad Salim	George Washington University
Kristen L. Sanford	Carnegie Mellon University
David Alan Sawyer	University of Virginia
Abdenmour Seibi	Pennsylvania State University
James O. Simmons	South Carolina State University
Ala Tabiei	University of Cincinnati

1993 GRF Recipients (cont.)

Recipient

Fares Elias Tannous

Carol Thompson

Andrew Phillip Travaglini

Lin Wane-Jang

Antoinette Weeks

Ying Weng

Xiaoying Wu

Jingsheng Yan

Dawit Zena

Xiaoyan Y. Zhang

University

University of Arizona

University of Arizona

University of Maryland, College Park

University of Maryland, College Park

University of Maryland, College Park

Virginia Polytechnic Institute & State University

University of Maryland, College Park

Virginia Polytechnic Institute & State University

University of Maryland, College Park

University of Vermont

1994 GRF Recipients

Recipient

Hesham A. Ali
Otha Burton, Jr.
Gonzalo Fabian Cevallos
Xibing Dou
Armando Badih El-Khoury
Aimee Rebecca Flannery
Naresh Hingorani
W. Cecilia Ho
Donald Jacobovitz
Jeffery J. Jensen
Samantha S. Jones
Krishnamurthi Josyula
Richard L. Kaiser
Ramachandram Kandarpa
Zdenek Kekula
Karen E. Kho
Murali Kirthi
Lan Meng
Barbara K. Ostrom
Weston Charles Ott
Sae U. Park
Edgar P. Small
David B. Stovall
Gregory F. Suber
Ravikumar Viswanatha
Arlene R. Willis
Amy E. Wright
Qiang Zhu

University

City College of New York
Mississippi State University
University of Nevada, Las Vegas
University of Mississippi
University of Louisville
Wayne State University
Virginia Polytechnic Institute & State University
George Mason University
University of Central Florida
University of Nevada, Las Vegas
University of Kentucky
University of Maryland, College Park
University of Arizona
Virginia Polytechnic Institute & State University
California State University, Long Beach
Massachusetts Institute of Technology
University of Maryland, College Park
Michigan State University
University of California, Berkeley
Washington State University
Pennsylvania State University
State University of New York, Buffalo
Catholic University of America
Howard University
Virginia Polytechnic Institute & State University
New Jersey Institute of Technology
Carnegie Mellon University
University of Maryland, College Park

1995 GRF Recipients

Recipient

Mousa Abbasi
Danyell Beard
Scott Michael Festin
Preety Goel
William Graves
Huayang Hu
Ping Liang
Craig Miller
Qinghui Mu
Gregory Nelson
Prashanth Rudrangi
Lisa Schaefer
Dominic Spaethling
Johnathan Dan Turner
Meenakshy Vasudevan
Anna Karina Vizcarra
Vinash Vonteru
Tricia Ward
Suzañne Webber
Arthur Wolek
Jianmin You

University

Michigan State University
Morgan State University
University of North Carolina, Charlotte
University of Maryland, College Park
University of Georgia
University of Maryland, College Park
University of Maryland, College Park
Pennsylvania State University
University of Maryland, College Park
University of Wisconsin
Virginia Polytechnic Institute & State University
University of Maryland, College Park
University of Pennsylvania
University of North Carolina, Charlotte
University of Maryland, College Park
Texas A&M University, College Station
West Virginia University
Syracuse University
University of Southern California
University of Miami
University of Maryland, College Park

1996 GRF Recipients

Recipient

Christopher E. Coleman

Michael K. Coplen

Stephen Peter Greaves

Araminta Haney

Rajeev Kumar Karamchedu

Kenneth R. Leitch

Juan Carlos Lemus

Suresh Ramachandran

William John Zippel

University

Howard University

University of Connecticut

Louisiana State University

Bowie State University

University of Maryland at College Park

New Mexico State University

California State University, Long Beach

Virginia Polytechnic Institute & State University

University of Wisconsin, Madison

1997 GRF Recipients

Recipient

Adjo Akpene Amekudzi
Lawrence Barr
Allen F. Billstein, Jr.
Iljoon Chang
Devajyoti Deka
Jason Henderson
Russell Hillberry
Ahmed Elwan Khalil
Jorge Daniel Lamentzan
Eyad A. Masad
John McFadden
Jin-Chul Park
Fawn Thompson
Kevin L. York
Li Zhang

University

Carnegie Mellon University
University of New Hampshire
West Virginia University
University of Maryland at College Park
University of Southern California
University of Georgia
Indiana University
Catholic University of America
Catholic University of America
Washington State University
Pennsylvania State University
University of Southern California
University of Cincinnati
University of Missouri
Virginia Polytechnic Institute & State University

APPENDIX G

EISENHOWER GRANTS FOR RESEARCH FELLOWSHIPS

TECHNICAL ADVISORS 1992-1997

<u>TECHNICAL ADVISOR</u>	<u>PROGRAM OFFICE</u>
Mike Adams	Office of Engineering Research & Development
Elizabeth Alicandri	Office of Safety & Traffic Operations Research & Development
John Arens	Office of Safety & Traffic Operations Research & Development
Craig Ballinger	Office of Safety & Traffic Operations Research & Development
Joe Bared	Office of Safety & Traffic Operations Research & Development
Ernest Bastian	Office of Engineering Research & Development
Wayne Berman	Office of Traffic Management and ITS Applications
Richard Bishop	Office of Safety & Traffic Operations Research & Development
Howard H. Bissell	Office of Safety & Traffic Operations Research & Development
Ramon Bonaquist	Office of Engineering Research & Development
Harold Bosch	Office of Engineering Research & Development
Harry B. Caldwell	Office of Office of Policy Development
Lloyd Cayes	Office of Engineering Research & Development
Fred F.M. Chang	Office of Engineering Research & Development
Steven B. Chase	Office of Engineering Research & Development
Brian Chollar	Office of Engineering Research & Development
Charles Churilla	Office of Engineering Research & Development
Stephen Cohen	Office of System Architecture and Investment Analysis
Ralph Craft	Office of Motor Carrier Information Analysis
Michael Culp	Office of Environment and Planning
Robert Davis	Office of Motor Carrier Information Analysis
Roger Dean	Office of International Transportation and Trade
Patrick DeCorla-Souza	Office of Environment and Planning

EISENHOWER GRANTS FOR RESEARCH FELLOWSHIPS
TECHNICAL ADVISORS 1992-1997 (cont.)

TECHNICAL ADVISOR

PROGRAM OFFICE

Charles Desjardins	Office of Environment and Planning
Albert DiMillio	Office of Engineering Research & Development
Fred Ducca	Office of Environment and Planning
Sheila Duwadi	Office of Engineering Research & Development
Carl D. Ealy	Office of Engineering Research & Development
Bruce Eberle	Office of Environment and Planning
Sheldon Edner	Office of Environment and Planning
Jerry Everett	Office of Environment and Planning
John Fegan	Office of Environment and Planning
Stephen Forster	Office of Engineering Research & Development
Deborah Freund	Office of Motor Carriers Research and Standards
Brian Gardner	Office of Environment and Planning
Ron Giguere	Office of Technology Applications
Michael Griffith	Office of Safety and Traffic Operations Research and Development
William Grush	Office of Highway Information Management
H.K. Gupta	Office of Research and Development
Martin Hargrave	Office of Safety and Traffic Operations Research and Development
Rudy Hegmon	Office of Engineering Research & Development
Brian Hoeft	Office of Environment and Planning
Tom Holloway	Office of Environment and Energy (Aviation)
J. Sterling Jones	Office of Engineering Research & Development
James Keenan	Office of Motor Carrier Field Operations
William Kenis	Office of Research and Development
Tom Kozlowski	Office of Motor Carrier Planning and Customer Liaison

EISENHOWER GRANTS FOR RESEARCH FELLOWSHIPS
TECHNICAL ADVISORS 1992-1997 (cont.)

<u>TECHNICAL ADVISOR</u>	<u>PROGRAM OFFICE</u>
Alexander Landsburg	Office of Maritime Labor Training and Safety
Susan Lane	Office of Engineering Research & Development
Henry C. Lieu	Office of Safety and Traffic Operations Research and Development
Richard A. Livingston	Office of Research and Development
Aramis Lopez, Jr.	Office of Research and Development
Byron Lord	Office of Technology Applications
Harold Lunenfeld	Office of Traffic Management and ITS Applications
Truman Mast	Office of Safety and Traffic Operations Research and Development
Leonard Meczowski	Office of Safety and Traffic Operations Research and Development
Charles McGogney	Office of Engineering Research & Development
Douglas McKelvey	Office of Motor Safety and Technology
Arrigo Mongini	Office of the Associate Administrator for Railroad Development
Eric Munley	Office of Engineering Research & Development
Antonio Nieves Torres	Office of Engineering Research & Development
John O'Fallon	Office of Engineering Research & Development
Joe Ossi	Federal Transit Authority, Office of Planning
Jeff Paniati	Office of Safety and Traffic Operations Research and Development
Paul Pisano	Office of Safety and Traffic Operations Research and Development
Thomas G. Raslear	Office of the Associate Administrator for Railroad Development
Kenneth E. Rodgers	Office of Motor Carrier Safety and Technology
Paul Ross	Information not available
Alberto Santiago	Office of Safety and Traffic Operations Research and Development
Donald Schierer	Office of Traffic Management and ITS Applications
Richard Schoenberg	Office of Environment and Planning

EISENHOWER GRANTS FOR RESEARCH FELLOWSHIPS
TECHNICAL ADVISORS 1992-1997 (cont.)

<u>TECHNICAL ADVISOR</u>	<u>PROGRAM OFFICE</u>
James Sherwood	Office of Engineering Research & Development
Dale Sienicki	Office of Motor Carrier Information Analysis
Carole J. Simmons	Office of Safety and Traffic Operations Research and Development
Richard Singer	Office of Motor Carrier Research and Standards
Dominick Spataro	Office of Motor Carrier Safety and Technology
Gregory Speier	National Highway Institute
Kevin D. Stuart	Office of Safety and Traffic Operations Research and Development
Alrik Svenson	Office of Safety and Traffic Operations Research and Development
Richard Swedberg	Information not available
Carol Tan-Esse	Office of Safety and Traffic Operations Research and Development
Roy Trent	Office of Engineering Research & Development
Justin True	Office of Engineering Research & Development
Tom Tsai	Office of the Associate Administrator for Railroad Development
Paul Virmani	Office of Engineering Research & Development
Davey Warren	Office of Safety and Traffic Operations Research and Development
Glenn Washer	Office of Engineering Research & Development
Jim Wentworth	Office of Safety and Traffic Operations Research and Development
Donald Wicker	Information not available
William L. Williams	National Highway Institute
William Wright	Office of Engineering Research & Development

APPENDIX H

EISENHOWER GRANTS FOR RESEARCH FELLOWSHIPS FACULTY ADVISORS 1992-1997

<u>NAME OF FACULTY ADVISOR</u>	<u>UNIVERSITY</u>
Dr. Pedro Albrecht	University of Maryland, College Park, MD
Dr. Mark Austin	University of Maryland, College Park, MD
Dr. Lawrence C Bank	The Catholic University of America, Washington, D.C.
Dr. Jean-Guy Belivaeu	University of Vermont, VT
Dr. Athanassios K. Bladikas	New Jersey Institute of Technology, NJ
Dr. Peter Chang	University of Maryland, College Park, MD
Dr. Gang-Len Chang	University of Maryland, College Park, MD
Dr. J. Edwin Clark	Clemson University, SC
Dr. Gary L. Cloud	Michigan State University, MI
Dr. Ken Courage	University of Florida, FL
Dr. Leo Dabaghian	California State University, Sacramento, CA
Dr. Tapan Datta	Wayne State University, MI
Dr. Pedro de Alba	University of New Hampshire, NH
Dr. Donald R. Drew	Virginia Polytechnic Institute & State University, VA
Dr. Ronald W. Eck	West Virginia University, WV
Dr. Tahar El-Korchi	Worcester Polytechnic Institute, MA
Dr. Lily Elefteriadou	Pennsylvania State University, PA
Dr. Mario Fenyo	Bowie State University, MD
Dr. Ian Flood	University of Maryland, College Park, MD
Dr. Michael P. Gaus	State University of New York, Buffalo, NY
Dr. Russell Gentry	The Catholic University of America, Washington, D.C.
Dr. Brian J. Gilmore	Pennsylvania State University, PA
Dr. Genevieve Giuliano	University of Southern California, CA

EISENHOWER GRANTS FOR RESEARCH FELLOWSHIPS
FACULTY ADVISORS 1992-1997 (cont.)

<u>NAME OF FACULTY ADVISOR</u>	<u>UNIVERSITY</u>
Dr. Charles H. Goodspeed	University of New Hampshire, NH
Dr. Peter Gordon	University of Southern California, CA
Dr. Johnny Graham	University of North Carolina, NC
Dr. Orris Gram	South Carolina State University, SC
Dr. Ali E. Haghani	University of Maryland, College Park, MD
Dr. Lee D. Han	Virginia Polytechnic Institute & State University, VA
Dr. Ronald S. Harichandran	Michigan State University, MI
Dr. David Hartgen	University of North Carolina, NC
Dr. Antoine G. Hobeika	Virginia Polytechnic Institute & State University, VA
Dr. Adib Kanafani	University of California, Berkeley, CA
Dr. Timothy W. Kao	The Catholic University of America, Washington, D.C.
Dr. Paul P. Karan	University of Kentucky, KY
Dr. Shinya Kikuchi	University of Delaware, DE
Dr. John Kleymeyer	University of Cincinnati, OH
Dr. Frank Koppelman	Northwestern University, IL
Dr. Mohammed Labib	New Jersey Institute of Technology, NJ
Dr. Sara Lacy	Tufts University, MA
Dr. Jesus S. Larralde	Drexel University, PA
Dr. John Leach	University of Connecticut, CT
Dr. K. Wayne Lee	University of Rhode Island, RI
Dr. D. Scott Leftwich	University of Central Florida, FL
Dr. Khalid Mahmood	George Washington University, Washington, D.C.
Dr. James Mandel	Syracuse University, NY
Dr. Dennis McCahill	The Catholic University of America, Washington, D.C.

**EISENHOWER GRANTS FOR RESEARCH FELLOWSHIPS
FACULTY ADVISORS 1992-1997 (cont.)**

<u>NAME OF FACULTY ADVISOR</u>	<u>UNIVERSITY</u>
Dr. William C. McCarthy	New Mexico State University, NM
Dr. Sue McNeil	Carnegie Mellon University, PA
Dr. Carl L. Monismith	University of California, Berkeley, CA
Dr. James E. Moore	University of Southern California, CA
Dr. M. John Moskaluk	Georgia Institute of Technology, GA
Dr. Balasingam Muhunthan	Washington State University, WA
Dr. Yacoub M. Najjar	George Washington University, Washington, D.C.
Dr. Ahmad Namini	University of Miami, FL
Dr. Edward Neumann, P.E.	University of Nevada, Las Vegas, NV
Dr. Errol C. Noel	Howard University, Washington, D.C.
Dr. Paul J. Ossenbruggen	University of New Hampshire, NH
Dr. H. P. Pao	The Catholic University of America, Washington, D.C.
Dr. Thomas Papagiannakis	Washington State University, WA
Dr. Neville Parker	City College of New York, NY
Dr. Joseph Plecnik	California State University, Long Beach, CA
Dr. Sabah Randhawa	Oregon State University, OR
Dr. Jerry R. Richardson	University of Missouri, MO
Dr. Nagui Roupail	University of Illinois, IL
Dr. Jeffrey Russell	University of Wisconsin, Madison, WI
Dr. Hamid Saadatmanesh	University of Arizona, AZ
Dr. Anthony Saka	Morgan State University, MD
Dr. Shashi Sathisan	University of Nevada, Las Vegas, NV
Dr. David R. Schelling	University of Maryland, College Park, MD
Dr. Mark Schonfeld	University of Maryland, College Park, MD

**EISENHOWER GRANTS FOR RESEARCH FELLOWSHIPS
FACULTY ADVISORS 1992-1997 (cont.)**

<u>NAME OF FACULTY ADVISOR</u>	<u>UNIVERSITY</u>
Dr. Mark Schuster	Massachusetts Institute of Technology, MA
Dr. M. G. Sharma	Pennsylvania State University, PA
Dr. G. J. Simitzes	University of Cincinnati, OH
Dr. Virginia Sisiopiku	Michigan State University, MI
Dr. R. Sivanadan	Virginia Polytechnic Institute & State University, VA
Dr. Nick Stamatiadis	University of Kentucky, KY
Dr. John R. Stone	North Carolina State University, NC
Dr. Peter Stopher	Louisiana State University, LA
Dr. Roger Stough	George Mason University, VA
Dr. Sam Subramanian	Virginia Polytechnic Institute & State University, VA
Dr. Jean Claud Thill	University of Georgia, GA
Dr. Anthony Tomazinis	University of Pennsylvania, PA
Dr. Frank C. Townsend	University of Florida, FL
Dr. Mfanya Tryman	Mississippi State University, MS
Dr. Sam Wang	University of Mississippi, MS
Dr. T.A. Weigel	University of Louisville, VA
Dr. James Wheeler	University of Georgia
Dr. George von Furstenberg	Indiana University, IN
Dr. Felipe Zambrano	Texas A&M University, College Station, TX

APPENDIX I
EXECUTIVE ORDERS

November 1, 1993

EXECUTIVE ORDER 12876

HISTORICALLY BLACK COLLEGES AND UNIVERSITIES

By the authority vested in me as President by the Constitution and the laws of the United States of America, in order to advance the development of human potential, to strengthen the capacity of historically Black colleges and universities to provide quality education, and to increase opportunities to participate in and benefit from Federal programs, it is hereby ordered as follows:

Section 1. There shall be established in the Department of Education the President's Board of Advisors on Historically Black Colleges and Universities ("Board of Advisors" or "Board"), a Presidential advisory committee. The Board of Advisors shall issue an annual report to the President on participation by historically Black colleges and universities in federally sponsored programs. The Board of Advisors will also provide advice to the Secretary of Education ("Secretary") and in the annual report to the President on how to increase the private sector role in strengthening historically Black colleges and universities, with particular emphasis on enhancing institutional infrastructure and facilitating planning, development, and the use of new technologies to ensure the goal of long-term viability and enhancement of these institutions.

Notwithstanding the provisions of any other Executive order, the responsibilities of the President under the Federal Advisory Committee Act, as amended (5 U.S.C. App. 2), which is applicable to the Board of Advisors, shall be performed by the Secretary, in accordance with the guidelines and procedures established by the Administrator of General Services.

Sec. 2. The members of the Board of Advisors shall be appointed by the President. The Board shall include representatives of historically Black colleges and universities, other institutions of higher education, business and financial institutions, private foundations, and secondary education.

Sec. 3. The White House Initiative on Historically Black Colleges and Universities, housed in the Department of Education, shall: (1) provide the staff, resources, and assistance for the Board of Advisors; (2) assist the Secretary in the role of liaison between the executive branch and historically Black colleges and universities; and (3) serve the Secretary in carrying out his responsibilities under this order.

Sec. 4. To carry out the purposes of this order, each executive department and each agency designated by the Secretary shall, consistent with applicable law, enter into appropriate grants, contracts, or cooperative agreements with historically Black colleges and universities. The head of each agency subject to this order shall establish an annual goal for the amount of funds to be awarded in grants, contracts, or cooperative agreements to historically Black colleges and universities. Consistent with the funds available to the agency, the goal shall be an amount above the actual amount of such awards from the previous fiscal year and shall represent a substantial effort to increase the amounts available to historically Black colleges and universities for grants, contracts, or cooperative agreements. In order to facilitate the attainment of the goals established by this section, the head of each agency subject to this order shall provide technical assistance and information to historically Black colleges and universities regarding the program activities of the agency and the preparation of applications or proposals for grants, contracts, or cooperative agreements.

Sec. 5. Each executive department and designated agency shall appoint a senior official, who is a full-time officer of the Federal Government and who is responsible for management or program administration, to report directly to the department or agency head or designated agency representative on department or agency activity under this order and to serve as liaison to the Board and White House Initiative. To the extent permitted by law and regulation, each executive department and designated agency shall provide appropriate information requested by the Board and the White House Initiative staff pursuant to this order.

Sec. 6. Each executive department and designated agency shall develop an annual plan for, and shall document, the agency's effort to increase the ability of historically Black colleges and universities to participate in federally sponsored programs. These plans shall describe the measurable objectives for proposed agency actions to fulfill this order and shall be submitted at such time and in such form as the Secretary shall designate. In consultation with participating agencies, the Secretary shall review these plans and develop, with the advice of the Board of Advisors, an integrated Annual Federal Plan for

Assistance to Historically Black Colleges and Universities for consideration by the President. The Secretary shall ensure that each president of a historically Black college or university is given the opportunity to comment on the proposed Annual Federal Plan prior to consideration by the President. Each participating agency shall submit to the Secretary and the Director of the Office of Management and Budget, an Annual Performance Report that shall measure each agency's performance against the objectives set forth in its annual plan. The Director of the Office of Management and Budget shall be responsible for overseeing compliance with the Annual Federal Plan.

Sec. 7. Each year the Board of Advisors shall report to the President on the progress achieved in enhancing the role and capabilities of historically Black colleges and universities, including findings and recommendations on the Annual Performance Reports, described in Section 6, submitted by the participating agencies. The Secretary shall disseminate the annual report to appropriate members of the executive branch and make every effort to ensure that findings of the Board of Advisors are taken into account in the policies and actions of every executive agency.

Sec. 8. The Department of Education, along with other Federal departments or agencies, shall work to encourage the private sector to assist historically Black colleges and universities through increased use of such devices and activities as: (1) private sector matching funds to support increased endowments; (2) private sector task forces for institutions in need of assistance; and (3) private sector expertise to facilitate the development of more effective ways to manage finances, improve information management, strengthen facilities, and improve course offerings. These steps will be taken with the goals of enhancing the career prospects of graduates of historically Black colleges and universities and increasing the number of such graduates with degrees in science and technology.

Sec. 9. In all its recommendations, the Board of Advisors shall emphasize ways to support the long-term development plans of each historically Black college and university. The Board of Advisors shall recommend alternative sources of faculty talent, particularly in the fields of science and technology, including faculty exchanges and referrals from other institutions of higher education, private sector retirees, Federal employees and retirees, and emeritus faculty members at other institutions of higher education.

Sec. 10. The Board of Advisors, through the White House Initiative, shall provide advice on how historically Black colleges and universities can achieve greater financial security. To the maximum extent possible, the Board of Advisors shall consider how such institutions can enlist the resources and experience of the private sector to achieve such security.

Sec. 11. The Director of the Office of Personnel Management, in consultation with the Secretary and the Secretary of Labor, shall develop a program to improve recruitment and participation of graduates and undergraduate students of historically Black colleges and universities in part-time, summer and permanent positions in the Federal Government.

Sec. 12. Administration: (a) Members of the Board of Advisors 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 Board of Advisors and the White House Initiative shall obtain funding for their activities from the Department of Education.

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

Sec. 13. Executive Order No. 12677 of April 28, 1989, is hereby revoked.

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.

Executive Order 13021 of October 19, 1996

Tribal Colleges and Universities

By the authority vested in me as President by the Constitution and laws of the United States of America, in reaffirmation of the special relationship of the Federal Government to American Indians and Alaska Natives, and, for the purposes of helping to: (a) ensure that tribal colleges and universities are more fully recognized as accredited institutions, have access to the opportunities afforded other institutions, and have Federal resources committed to them on a continuing basis; (b) establish a mechanism that will increase accessibility of Federal resources for tribal colleges and universities in tribal communities; (c) promote access to high-quality educational opportunity for economically disadvantaged students; (d) promote the preservation and the revitalization of American Indian and Alaska Native languages and cultural traditions; (e) explore innovative approaches to better link tribal colleges with early childhood, elementary, and secondary education programs; and (f) support the National Education Goals (20 U.S.C. 5812), it is hereby ordered as follows:

Section 1. *Definition of Tribal Colleges and Universities.* Tribal colleges and universities ("tribal colleges") are those institutions cited in section 532 of the Equity in Educational Land-Grant Status Act of 1994 (7 U.S.C. 301 note), any other institution that qualifies for funding under the Tribally Controlled Community College Assistance Act of 1978, (25 U.S.C. 1801 et seq.), and Navajo Community College, authorized in the Navajo Community College Assistance Act of 1978, Public Law 95-471, title II (25 U.S.C. 640a note).

Sec. 2. *Board of Advisors.* (a) Establishment. There shall be established in the Department of Education a Presidential advisory committee entitled the President's Board of Advisors on Tribal Colleges and Universities ("Board"). Notwithstanding the provisions of any other Executive order, the responsibilities of the President under the Federal Advisory Committee Act, as amended (5 U.S.C. App.), with respect to the Board, shall be performed by the Secretary of Education ("Secretary"), in accordance with the guidelines and procedures

established by the Administrator of General Services.

(b) *Composition.* The Board shall consist of not more than 15 Members who shall be appointed by the President. The Board shall include representatives of tribal colleges. The Board may also include representatives of the higher, early childhood, elementary, and secondary education communities; tribal officials; health, business, and financial institutions; private foundations; and such other persons as the President deems appropriate. Members of the Board will serve terms of 2 years and may be reappointed to additional terms. A Member may continue to serve until his or her successor is appointed. In the event a Member fails to serve a full term, an individual appointed to replace that Member will serve the remainder of that term. All terms will expire upon the termination of the Board.

(c) *Role of Board.* The Board shall provide advice regarding the progress made by Federal agencies toward fulfilling the purposes and objectives of this order. The Board shall also provide recommendations to the President and the Secretary at least annually on ways tribal colleges can:

- (1) utilize long-term development, endowment building, and master planning to strengthen institutional viability;
- (2) utilize the Federal and private sector to improve financial management and security, obtain private sector funding support, and expand and complement Federal education initiatives;
- (3) develop institutional capacity through the use of new and emerging technologies offered by both the Federal and private sectors;
- (4) enhance physical infrastructure to facilitate more efficient operation and effective recruitment and retention of students and faculty; and
- (5) help achieve National Education Goals and meet other high standards of education accomplishment.

(d) *Scheduled Meetings.* The Board shall meet at least annually to provide advice and consultation on

tribal colleges and relevant Federal and private sector activities, and to transmit reports and present recommendations.

Sec. 3. *Office of White House Initiative.* There shall be established in the Department of Education the White House Initiative on Tribal Colleges and Universities ("Initiative"). The Initiative shall be authorized to: (a) provide the staff support for the Board;

(b) assist the Secretary in the role of liaison between the executive branch and tribal colleges; (c) serve the Secretary in carrying out the Secretary's responsibilities under this order; and (d) utilize the services, personnel, information, and facilities of other Federal, State, tribal, 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 the order.

Sec. 4. *Department and Agency Participation.* Each participating executive department and agency (hereinafter collectively referred to as "agency"), as determined by the Secretary, shall appoint a senior official, who is a full-time officer of the Federal Government and who is responsible for management or program administration, to serve as liaison to the White House Initiative. The official shall report directly to the agency head, or agency representative, on agency activity under this order and serve as liaison to the White House Initiative. To the extent permitted by law and regulation, each agency shall provide appropriate information in readily available formats requested by the White House Initiative staff pursuant to this order.

Sec. 5. *Five-Year Federal Plan.*

(a) *Content.* Each agency shall, in collaboration with tribal colleges, develop and document a Five-Year Plan of the agency's efforts to fulfill the purpose of this order. These Five-Year Plans shall include annual performance indicators and appropriate measurable objectives for the agency. The plans shall address among other relevant issues:

(1) barriers impeding the access of tribal colleges to funding opportunities and to participation in Federal programs, and ways to eliminate the barriers;

(2) technical assistance and information that will be made available to tribal colleges regarding the

program activities of the agency and the preparation of applications or proposals for grants, cooperative agreements, or contracts; and

- (3) an annual goal for agency funds to be awarded to tribally controlled colleges and universities in:
 - (A) grants, cooperative agreements, contracts, and procurement;
 - (B) related excess property-type acquisitions under various authorities such as section 923 of the Federal Agriculture Improvement and Reform Act of 1996 (7 U.S.C. 2206a) and the Federal Property and Administrative Services Act of 1949, chapter 288, 63 Stat. 377 (codified as described at 40 U.S.C. 471 note); and
 - (C) the transfer of excess and surplus Federal computer equipment under Executive Order 12999.

In developing the Five-Year Plans required by this order, agencies shall strive to include tribal colleges in all aspects and activities related to the attainment of the participation goals described in Executive Order 12928, "Promoting Procurement with Small Businesses Owned and Controlled by Socially and Economically Disadvantaged Individuals, Historically Black Colleges and Universities, and Minority Institutions." The Plans may also emphasize access to high-quality educational opportunity for economically disadvantaged Indian students; the preservation and revitalization of American Indian and Alaska Native languages and cultural traditions; innovative approaches to better link tribal colleges with early childhood, elementary, and secondary education programs; and the National Education Goals.

(b) *Submission.* Each agency shall submit its Five-Year Plan to the White House Initiative Office. In consultation with the Board, the White House Initiative Office shall then review these Five-Year Plans and develop an integrated Five-Year Plan for Assistance to Tribal Colleges, which the Secretary shall review and submit to the President. The Five-Year Plan for Assistance to Tribal Colleges may be revised within the 5-year period.

(c) *Annual Performance Reports.* Each agency shall submit to the White House Initiative Office an Annual Performance Report that shall measure each agency's performance against the objectives set forth in its Five-Year Plan. In consultation with the Board, the White House Initiative Office shall review and combine Annual Performance Reports into one annual report, which shall be submitted to the Secretary for review, in consultation with the Office of Management and Budget.

Sec. 6. *Private Sector.* In cooperation with the Board, the White House Initiative Office shall encourage the private sector to assist tribal colleges through increased use of such strategies as:

(a) matching funds to support increased endowments;

(b) developing expertise and more effective ways to manage finance, improve information systems, build facilities, and improve course offerings; and

(c) increasing resources for and training of faculty.

Sec. 7. *Termination.* The Board shall terminate 2 years after the date of this Executive order unless the Board is renewed by the President prior to the end of that 2-year period.

Sec. 8. *Administration.* (a) *Compensation.* Members of the Board 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 Government service (5 U.S.C. 5701-5707).

(b) *Funding.* The Board and the Initiative shall be funded by the Department of Education.

(c) *Administrative Support.* The Department of Education shall provide appropriate administrative services and staff support for the Board and the Initiative. With the consent of the Department of Education, other agencies participating in the Initiative shall provide administrative support to the White House Initiative Office consistent with statutory authority and shall make use of section 112 of title 3, United States Code, to detail agency employees to the extent permitted by law. The Board and the White House Initiative Office shall have a core staff and shall be supported at appropriate levels.

APPENDIX J

DDETFP Participating HBCUs and Campus Representatives

ALABAMA A&M UNIVERSITY

Department of Community
Planning &
Urban Studies
James Dawson Cooperative
Extension
Room 308
Normal, AL 35762

Mrs. Constance Jordan Wilson
(256) 858-4992 - phone
(256) 851-5906 - fax
cwilson93@aol.com

ALBANY STATE UNIVERSITY

Dept. of History & Political
Science
504 College Drive
Albany, GA 31705

Dr. Veula J. Rhodes
(912) 430-4870 - phone
(912) 430-7895 - fax
vrhodes@asurams.edu

BENEDICT COLLEGE

Career Planning & Placement
1600 Harden Street
Columbia, SC 29204

Mr. Rufus C. Watts
(803) 253-5204 - phone
(803) 253-5439 - fax

BOWIE STATE UNIVERSITY

School of Continuing Education
and
Extended Studies
14000 Jericho Park Road
Bowie, MD 20715-9465

Dean Ida G. Brandon
(301) 464-6586/6587 - phone
(301) 464-7786 - fax
ida.brandon@bowiestate.edu

CLARK ATLANTA UNIVERSITY

Center for Theoretical Studies of
Physical Systems
223 James P. Brawley Dr. S.W. at
Fair Street
Atlanta, GA 30314

Dr. Peter Molnar
(404) 880-6419 - phone
(404) 880-8360 - fax
molnar@hubble.cau.edu

FLORIDA A&M UNIVERSITY

Benjamin Banneker Bldg. B
Room 105
Corner Wanish Way/FAMU
Tallahassee, FL 32307

Dr. Charles Wright
(850) 561-2920 or 599-8623 - phone
(850) 561-2739 - fax
cwright4@fam.u.edu

FLORIDA MEMORIAL COLLEGE

15800 Northwest 42nd Ave
Miami, FL 33054

Dr. Karl Wright
(305) 623-4223 - phone
(305) 623-4221 - fax
kswright@lions.fmc.edu

FORT VALLEY STATE COLLEGE

Department of Business Economics
1005 State College Drive
Fort Valley, GA 31030

Ms. Dorothy Crumbly
(912) 825-6397 - phone
(912) 825-6461 - fax
crumblyd@mail.fvsu.edu

HAMPTON UNIVERSITY

Hampton, VA 23668

Dr. Gary Jerome
(757) 727-5418 - phone
(757) 727-6809 - fax
aviation@hampton.edu

HOWARD UNIVERSITY

School of Engineering
Dept. of Civil Engineering
Washington, D.C. 20059

Dr. Errol C. Noel
(202) 806-6668 - phone
(202) 806-5271 - fax
enoel@fac.howard.edu

JACKSON STATE UNIVERSITY

Office of Research Development
P.O. Box 17095
Jackson, MS 39217-0195

Dr. Felix Okojie
(601) 968 -2859 - phone
(601) 973-3664 - fax
faokojie@ccaix.jsums.edu

MORGAN STATE UNIVERSITY

Cold Spring Lane & Hillen Road
Armory 209
Baltimore, MD 21239

Dr. Andrew Farkas
(443) 885-3348 - phone
(443) 885-4813 - fax
zfarkas@moac.morgan.edu

NORTH CAROLINA A&T STATE UNIVERSITY

Greensboro, NC 27411

Ms. Joyce Johnson
(336) 334-7745 - phone
(336) 334-7093 - fax
joycej@ncat.edu

PHILANDER SMITH COLLEGE

812 West 13th Street
Little Rock, AR 72202

Ms. Beverly Richardson
(501) 370-5215 - phone
(501) 370-5225 - fax
bevrich@philander.edu

**PRAIRIE VIEW A&M
UNIVERSITY**

P.O. Box 397
Prairie View, TX 77446

Dr. R. Radhakrishnan
(409) 857-2418 - phone
(409) 857-2222 - fax
r_radha@pvamu.edu

**SOUTH CAROLINA STATE
UNIVERSITY**

300 College Street, NE, Room
202
Orangeburg, SC 29117

Dr. James H. Arrington
(803) 536-7180 - phone
(803) 533-3775 - fax
zf_arrington@scsu.scsu.edu

**SOUTHERN UNIVERSITY
A&M COLLEGE**

Office of Tech. & Network
Services
P.O. Box 12892
Baton Rouge, LA 70813

Prof. Huey Lawson
(504) 771-3935 - phone
(504) 771-4320 - fax
lawson@engr.subr.edu

TENNESSEE STATE UNIVERSITY

Dept. of Civil Engineering
3500 John Merritt Blvd.
Nashville, TN 37209

Dr. Farouk Mishu
(615) 963-5427 - phone
(615) 963-5902 - fax
fmishu@picard.tnstate.edu

TEXAS SOUTHERN UNIVERSITY

3100 Cleburne Avenue
Houston, TX 77004

Ms. Carol Lewis
(713) 313-7924 - phone
(713) 313-1923 - fax
tcbtcalewis@tsu.edu

**UNIVERSITY OF THE DISTRICT OF
COLUMBIA**

4200 Connecticut Ave., NW
Washington, D.C. 20008

Dean Thedola Milligan
(202) 274-7026 - phone
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VIRGINIA STATE UNIVERSITY

Engineering Technology Department
P.O. Box 9032
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(804) 524-5126 - phone
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**WINSTON-SALEM STATE
UNIVERSITY**

601 Martin Luther King, Jr. Drive
Winston-Salem, NC 27110

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(336) 750-2544 - phone
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APPENDIX K

DDETFP Participating HSIs and Campus Representatives

CALIFORNIA POLYTECHNIC STATE UNIVERSITY

Math/Home Economics
Building 38, Room 103
San Luis Obispo, CA 93407

Dr. Edward Sullivan
(805) 756-1166 - phone
(805) 756-1702 - fax
esulliva@skidmark.calpoly.edu

CALIFORNIA STATE UNIVERSITY, Los Angeles

Minority Engineering Program
School of Engineering &
Technology
Los Angeles, CA 90032

Dr. Hassan Hashemian
(213) 343-4499 - phone
(213) 343-4555 - fax
hhashem@calstatela.edu

FLORIDA INTERNATIONAL UNIVERSITY

Department of Civil &
Environmental Engineering
10555 West Flagler Street
Miami, FL 33174

Dr. Sylvan Jolibois
(305) 348-3485 - phone
(305) 348-2802 - fax
jolibois@eng.fiu.edu

NEW MEXICO STATE UNIVERSITY

Department of Geography
Box MAP
Las Cruces, NM 88003

Dr. Robert J. Czerniak
(505) 646-2815 - phone
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TEXAS A&M UNIVERSITY, Kingsville

Civil Engineering Department
Room 212, Cousins Hall
Kingsville, TX 78363

Dr. Fred Benson
(512) 593-2270 - phone
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UNIVERSITY OF PUERTO RICO - Mayaguez

P.O. Box 5000
Mayaguez, PR 00681

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(787) 834-6385 - phone
(787) 265-5695 - fax
fluyanda@rmce02.upr.clu.edu

UNIVERSITY OF TEXAS, El Paso

Office of the Dean
College of Engineering
El Paso, TX 79968-0516

Dr. H. S. Oey
(915) 747-6913 - phone
(915) 747-8037 - fax
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UNIVERSITY OF TEXAS, San Antonio

Department of Engineering
6900 North Loop 1604 W.
San Antonio, TX 78249-0665

Dr. Alberto Passos
(210) 458-5511 - phone
(210) 458-5589 - fax
apassos2@voyager1.eng.utsa.edu

APPENDIX L

Local Technical Assistance Program Technology Transfer (LTAP/T2) Centers

***Campus-based centers are printed in bold typeface**

Alabama Technology Transfer Center

Department of Civil Engineering, 238 Harbert Engineering Center,
Auburn University, AL 36849-5337

Telephone: (334) 844-4320; Fax: (334) 844-6290

E-mail: tsqjrmc@eng.auburn.edu

Web site: <http://www.eng.auburn.edu/department/eesv/T2/>

Newsletter: Alabama Transportation Newsletter

Year established: 1983

Contact: Robert L. Vecellio

Alaska Transportation Technology Transfer Center

2301 Peger Road, Fairbanks, AK 99709-5399

Telephone: (907) 451-5320/TDD (907) 451-2363; Fax: (907) 451-5340

E-mail: Sharon_McLeodEverette@dot.state.ak.us

Christina_Janssen@dot.state.ak.us, Christel_Kennedy@dot.state.ak.us

Web site: http://www.dot.state.ak.us:80/external/state_wide/dnc/eos.d/t2/t2.html

Newsletter: Technology for Alaskan Transportation

Year established: 1986

Contact: Sharon McLeod-Everette

Arizona LTAP

1130 N 22 Avenue, Phoenix, AZ 85009

Telephone: (602) 712-8461; Fax: (602) 712-3007

E-mail: emartinez@dot.state.az.us, sdeleon@dot.state.az.us

Web site: <http://www.azltap.org>

Newsletter: Arizona Milepost

Year established: 1984

Contact: Stefanie DeLeon

Arkansas Technology Transfer

Arkansas State Highway and Transportation Dept., Planning and
Research Division, Technology Transfer, PO Box 2261
Little Rock, AR 72203

Telephone: (501) 569-2249; Fax: (501) 569-2234

In-state Phone: (800) 344-1285

E-mail: LTAP@ahtd.state.ar.us

Web site: <http://www.ahtd.state.ar.us>

Newsletter: Arkansas Roads and Streets

Year established: 1985

Contact: Earl Kirkpatrick

University of California LTAP

Institute of Transportation Studies, Technology Transfer Program,
1355 So. 46th Street, RFS Bldg. 452, Richmond, CA 94804-4603
Telephone: (510) 231-9590; Fax: (510) 231-9591
E-mail: nfay@uclink4.berkeley.edu
Web site: <http://www.its.berkeley.edu/techtransfer>
Newsletter: TechTransfer
Year established: 1983
Contact: Natalie Fay

Colorado LTAP

University of Colorado at Boulder, 1540 30th Street, Campus Box 438,
Boulder, CO 80309-0438
Telephone: (303) 735-3530; Fax: (303) 735-2968
In-state Phone: (888) 848-5827
E-mail: cltap@stripe.colorado.edu
Web site: <http://bechtel.colorado.edu/~xiy>
Newsletter: Colorado LTAP
Year established: 1985
Contact: Mark Sandifer

Connecticut Technology Transfer Center

Connecticut Transportation Institute, University of Connecticut, Box
U-202, Storrs, CT 06269-5202
Telephone: (860) 486-5400; Fax: (860) 486-2399
E-mail: triadm05@uconnvm.uconn.edu
Web site: <http://www.engr.uconn.edu/ti>
Newsletter: Technology Transfer
Year established: 1983
Contact: Stephanie Merrill

Delaware DOT Technology Transfer Center

PO Box 778, Dover, DE 19903
Telephone: (302) 760-2158; Fax: (302) 739-2251
E-mail: lklepner@mail.dot.state.de.us
Web site: <http://www.state.de.us/deldot/t2>
Newsletter: Travel-Log
Year established: 1988
Contact: Lawrence Klepner

Florida Transportation Technology Transfer Center

University of Florida, PO Box 116585, Gainesville, FL 32611-6585
Telephone: (352) 392-2371, (800) 226-1013; Fax: (352) 392-3224
In-state Phone: Suncom 622-2371
E-mail: t2@ce.ufl.edu
Web site: <http://www-t2.ce.ufl.edu>
Newsletter: Technology Transfer Quarterly
Year established: 1984
Contact: Gib Peaslee

Georgia Department of Transportation LTAP Center

276 Memorial Drive SW, Atlanta, GA 30303
Telephone: (404) 656-5364; Fax: (404) 657-5193
In-state Phone: (800) 573-6445
E-mail: Rick.Smith@dot.state.ga.us
Web site: <http://www.dot.state.ga.us/homeoffs/training/techtran/index.htm>
Newsletter: Georgia Roads
Year established: 1983
Contact: Rick Smith

Hawaii Local Technical Assistance Program

University of Hawaii, Dept. of Civil Engineering, Holmes Hall
2540 Dole Street, Honolulu, HI 96822
Telephone: (808) 956-6538, (808) 956-9006; Fax: (808) 956-5014,
(808) 956-8851
E-mail: csp@wiliki.eng.hawaii.edu, juli@wiliki.eng.hawaii.edu
Web site: <http://www.eng.hawaii.edu/~hltap>
Newsletter: Hawaiian Connections
Year established: 1992
Contact: Juli Kobayashi

Idaho Technology Transfer Center

EPB 115F, University of Idaho, Moscow, ID 83844-0911
Telephone: (208) 885-4335; Fax: (208) 885-2877
In-state Phone: (800) 393-7289
E-mail: idahot2@uidaho.edu, gcalvert@uidaho.edu
Web site: <http://www.uidaho.edu/ncatt/idahot2>
Newsletter: Gem State Roads
Year established: 1989
Contact: Gene Calvert

Illinois Technology Transfer Center

Illinois Department of Transportation
2300 S. Dirksen Parkway, Room 205
Springfield, IL 62764
Telephone: (217) 785-5048; Fax: (217) 785-7296
E-mail: T2LRSDOT@nt.dot.state.il.us
Web site: <http://www.dot.state.il.us/blr/t2center.html>
Newsletter: Illinois Interchange
Year established: 1990
Contact: Willy Scheller

HERPICC: The Indiana LTAP Center

Purdue University, 1284 Civil Engineering Building
West Lafayette, IN 47907-1284
Telephone: (765) 494-2164; Fax: (765) 496-1176
In-state Phone: (800) 428-7639
E-mail: lmccorma@ecn.purdue.edu
Web site: <http://www.ecn.purdue.edu/INLTAP/>
Newsletter: Pothole Gazette
Year established: 1983
Contact: Tom Martin

Center for Transportation Research and Education (CTRE) Iowa

Iowa State University Research Park, 2901 S Loop Drive, Suite 3100
Ames, IA 50010-8632
Telephone: (515) 294-8103; Fax: (515) 294-0467
E-mail: desmith@iastate.edu
Web site: <http://www.ctre.iastate.edu/Outreach/ltap>
Newsletter: Technology News
Year established: 1983
Contact: Duane Smith

Kansas University Transportation Center

2011 Learned Hall, Lawrence, KS 66045
Telephone: (785) 864-5658; Fax: (785) 864-3199
In-state Phone: (800) 248-0350
E-mail: weaver@ukans.edu (Pat Weaver), givechi@ukans.edu
(Mehrdad Givechi), lmharris@ukans.edu (Lisa Harris),
rosemary@ukans.edu (Rose Lichtenberg)
Newsletter: KUTC Newsletter
Year established: 1983
Contact: Joe Lee, Director

Kentucky Transportation Center

140 Raymond Building, University of Kentucky,
Lexington, KY 40506-0281
Telephone: (800) 432-0719 or (606) 257-4513; Fax: (606) 257-1061
In-state Phone: (800) 432-0719 or (606) 257-4513
E-mail: panderso@engr.uky.edu - Patsy Anderson
Web site: <http://www.engr.uky.edu/ktc>
Newsletter: The Link
Year established: 1984
Contact: Patsy Anderson

Louisiana LTAP Technology Transfer Center

4101 Gourrier Avenue, Baton Rouge, LA 70808-4443
Telephone: (225) 767-9117; Fax: (225) 767-9156
In-state Phone: (800) 256-1567
E-mail: dgrouchy@ltrc.lsu.edu
Web site: <http://www.ltrc.lsu.edu>
Newsletter: Technology Exchange
Year established: 1986
Contact: David M. Grouchy

Maine Local Roads Center

Maine DOT, Sta. 16, Community Services Division,
Augusta, ME 04333-0016
Telephone: (207) 287-2152; Fax: (207) 287-3292
E-mail: peter.coughlan@state.me.us
Web site: <http://www.state.me.us/mdot/planning/csd/mlrc.htm>
Newsletter: Maine Local Roads News
Year established: 1987
Contact: Peter Coughlan

Maryland Transportation Technology Transfer Center

Department of Civil and Environmental Engineering,
University of Maryland, College Park, MD 20742
Telephone: (301) 405-2009; Fax: (301) 405-2585
E-mail: ttc@eng.umd.edu
Web site: <http://www.encc.umd.edu/ttc>
Newsletter: TechNotes
Year established: 1984
Contact: Everett C. Carter

Baystate Roads Program - Massachusetts

Department of Civil and Environmental Engineering,
University of Massachusetts, Marston Hall 214, Amherst, MA 01003-5205
Telephone: (413) 545-2604; Fax: (413) 545-6471
In-state Phone: (800) 374-ROAD
E-mail: ahmadjia@ecs.umass.edu
Web site: <http://baystate.ecs.umass.edu>
Newsletter: MASS Interchange
Year established: 1986
Contact: Christopher J. Ahmadjian

Michigan Local Technical Assistance Program

205A Dillman Hall, Michigan Technological University,
1400 Townsend Drive, Houghton, MI 49931-1295
Telephone: (906) 487-2102; Fax: (906) 487-3409
E-mail: tlmcninc@mtu.edu
Web site: <http://www.tttc.mtu.edu>
Newsletter: The Bridge
Year established: 1986
Contact: Terry McNinch

Minnesota Technology Transfer/LTAP Program

Center for Transportation Studies, Suite 200 Transportation and Safety
Building, 511 Washington Avenue SE, Minneapolis, MN 55455-0375
Telephone: (612) 625-5829; Fax: (612) 625-6381
E-mail: trend001@cts.umn.edu, mhagen@cts.umn.edu
Web site: <http://www.umn.edu/cts/T2/t2.html>
Newsletter: Minnesota Technology Exchange
Year established: 1993
Contact: Cheri Trenda

Mississippi Center for Technology Transfer

PO Box 18125, Jackson State University, Jackson, MS 39217-0625
Telephone: (601) 968-2339; Fax: (601) 973-3703
In-state Phone: (800) 634-4651
E-mail: tsquare@ccaix.jsums.edu
Web site: <http://www.jsums.edu/~www/t2/>
Newsletter: Transportation Technology Update
Year established: 1985
Contact: Loisteen Moore

Missouri Department of Transportation

PO Box 270, Jefferson City, MO 65102
Telephone: (573) 751-0852, (573) 526-5381; Fax: (573) 526-4337
E-mail: radmaj@mail.modot.state.mo.us,
berent@mail.modot.state.mo.us
Newsletter: Missouri Transportation Bulletin - LTAP Quarterly -
Research, Development and Technology Division
Year established: 1982
Contact: Jim Radmacher

Montana Local Technical Assistance Program

416 Cobleigh Hall, Montana State University-Bozeman, PO Box
173910, Bozeman, MT 59717-3910
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In-state Phone: (406) 994-6100
E-mail: mltlap@coe.montana.edu
Web site: <http://www.coe.montana.edu/ltap>
Newsletter: LTAP Quarterly Newsletter
Year established: 1983
Contact: Steven V. Jenkins

Nebraska Technology Transfer Center

PO Box 880560, University of Nebraska-Lincoln,
Lincoln, NE 68588-0560
Telephone: (402) 472-5748; Fax: (402) 472-0685
In-state Phone: (800) 332-0265
E-mail: DCADY1@unl.edu, Stasenka@unlinfo.unl.edu
Web site: <http://www.engext.unl.edu/t2/>
Newsletter: Nebraska T2 Interchange
Year established: 1985
Contact: Dan Cady

Nevada Transportation Technology Transfer Center

Nevada T2 Center/257, University of Nevada, Reno, NV 89557
Telephone: (775) 784-1433; Fax: (775) 784-1429
E-mail: maria@unr.edu
Newsletter: Milepost
Year established: 1991
Contact: Maria Ardila-Coulson

University of New Hampshire Technology Transfer Center

33 College Road, Durham, NH 03824-3591
Telephone: (603) 862-2826; Fax: (603) 862-2364
In-state Phone: (800) 423-0060
E-mail: kldr@christa.unh.edu
Web site: <http://www.t2.unh.edu>
Newsletter: Road Business
Year established: 1986
Contact: Kathy L. DesRoches

Center for Advanced Infrastructure and Technology - Local Technical Assistance Program - New Jersey

College of Engineering, Civil and Environmental Engineering
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E-mail: jorth@rci.rutgers.edu, jleli@rci.rutgers.edu
Web site: <http://www.civeng.rutgers.edu/LTAP>
Newsletter: R2T2-LTAP Newsletter
Year established: 1986
Contact: Joseph Orth

New Mexico LTAP Center

NM State Hwy and Transportation Dept., 1001 University Blvd. SE,
Suite 103, Albuquerque, NM 87106-4342
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In-state Phone: (800) 523-3028
E-mail: sconnelly@unm.edu
Web site: <http://www.unm.edu/~nmtrans/LTAP.html>
Newsletter: Approach
Year established: 1983
Contact: Sandra Connelly

Cornell Local Roads Program (New York LTAP)

416 Riley-Robb Hall, Ithaca, NY 14853-5701
Telephone: (607) 255-8033; Fax: (607) 255-4080
E-mail: clrp@cornell.edu
Web site: <http://www.cals.cornell.edu/dept/aben/localroads/home.htm>
Newsletter: Nuggets and Nibbles
Year established: 1984
Contact: Toni Rosenbaum

North Carolina Technology Transfer Center

ITRE at NC State University, Campus Box 8601,
Raleigh, NC 27695-8601
Telephone: (919) 515-8899; Fax: (919) 515-8898
E-mail: jbm@unity.ncsu.edu, wmv@unity.ncsu.edu,
pcloer@unity.ncsu.edu
Web site: <http://itre.ncsu.edu/itre/t2/t2.html>
Newsletter: Transportation Tracks
Year established: 1986
Contact: Wil van der Meulen

North Dakota Transportation Technology Transfer Center

Civil and Industrial Engineering Building, Room 201H, Civil Engineering
and Construction Dept. CE Division, North Dakota State University,
University Station, Fargo, ND 58105
Telephone: Fargo Office - (701) 231-7051, Bismarck Office - (701) 328-2658; Fax: Fargo Office - (701)
231-6185, Bismarck Office - (701) 328-0103
E-mail: danderse@badlands.nodak.edu - Director;
peloubet@plains.nodak.edu - Manager; theusch@plains.nodak.edu -
Office Associate; RMcDanie@pioneer.state.nd.us - Bismarck Office
Web site: <http://hardhat.cme.ndsu.nodak.edu/t2center/t2.htm>
Newsletter: The Center Line
Year established: 1984
Contact: Donald Andersen

The Ohio LTAP Center

2070 Neil Avenue, Room 470 Hitchcock Hall,
Columbus, OH 43210-1275
Telephone: (614) 292-2871; Fax: (614) 292-3780
In-state Phone: (800) 552-6891
E-mail: welsh.4@osu.edu
Web site: <http://www.ltap.org/oh>
Newsletter: The Ohio LTAP Quarterly
Year established: 1988
Contact: Sarah Welsh

Oklahoma Center for Local Government Technology

308 CITD, Oklahoma State University, Stillwater, OK 74078
Telephone: (405) 744-6049; Fax: (405) 744-7268
E-mail: wright@okway.okstate.edu
Newsletter: Oklahoma LTAP News
Year established: 1982
Contact: Doug Wright

Oregon Technology Transfer Center

200 Hawthorne SE, Suite B-240, Salem, OR 97301-5192
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In-state Phone: (800) 544-7134
E-mail: wesley.heidenreich@state.or.us
Web site: <http://www.odot.state.or.us/Tdd/T2>
Newsletter: Oregon Roads
Year established: 1984
Contact: Wes Heidenreich

LTAP - The Pennsylvania Local Roads Program

Penn State Eastgate Center, 1010 North 7th Street, Suite 304,
Harrisburg, PA 17102
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In-state Phone: (800) FOR-LTAP
E-mail: LTAP@psu.edu
Web site: <http://ltap.pti.psu.edu>
Newsletter: Moving Forward
Year established: 1983
Contact: John A. Anderson

Puerto Rico Transportation Technology Transfer Center

Civil Engineering Department, University of Puerto Rico,
PO Box 9041, Mayaguez, PR 00681-9041
Telephone: (787) 834-6385; Fax: (787) 265-5695
E-mail: t2pr1@rmce02.upr.clu.edu
Web site: <http://circweb.upr.clu.edu/prt2/>
Newsletter: El Puente
Year established: 1986
Contact: Gisela Gonzalez

Rhode Island Technology Transfer Center

1 Capitol Hill, 4th Floor, Providence, RI 02908-5872
Telephone: (401) 222-1235; Fax: (401) 222-2083
E-mail: wslocomb@doa.state.ri.us
Web site: <http://athena.state.ri.us/planning/t2/t2.htm>
Newsletter: Links & Nodes
Year established: 1991
Contact: Walter Slocomb

South Carolina Transportation Technology Transfer Service

Department of Civil Engineering, Clemson University,
Clemson, SC 29634-0911
Telephone: (864) 656-3000; Fax: (864) 656-2670
E-mail: t3s@ces.clemson.edu
Newsletter: T3S Quarterly
Year established: 1986
Contact: Sandra Priddy

South Dakota Local Transportation Assistance Program

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Telephone: (605) 688-4185; Fax: (605) 688-5880
In-state Phone: (800) 422-0129
E-mail: selimaa@cc.sdstate.edu, fosterl@mg.sdstate.edu,
grants@mg.sdstate.edu
Newsletter: The Connection
Year established: 1988
Contact: Ali A. Selim

Tennessee Transportation Assistance Program (TTAP)

309 Conference Center Building, Knoxville, TN 37996-4133
Telephone: (423) 974-5255; Fax: (423) 974-3889
In-state Phone: (800) 252-ROAD
E-mail: ttap@utk.edu (TTAP), zacharia@utk.edu,
jetidwell@juno.com, macate@utkx.utcc.utk.edu, mroberso@utk.edu
Web site: <http://www.ra.utk.edu/tc/ttap/>
Newsletter: ROADTALK
Year established: 1985
Contact: Zach Zacharia

Texas Local Technical Assistance Program

Transportation Training Division, Texas Engineering Extension Service,
The Texas A&M University System, 301 Tarrow, Room 112,
College Station, TX 77843-8000
Telephone: (409) 845-4457; Fax: (409) 862-4768
In-state Phone: (800) 824-7303
E-mail: tevans@teexnet.tamu.edu - Nelson Evans,
trchism@teexnet.tamu.edu - J.W. Chism
Web site: <http://teexcit.tamu.edu/texasltap/>
Newsletter: Lone Star Roads
Year established: 1984
Contact: Nelson Evans

Utah Technology Transfer Center

Utah State University, 8205 Old Main Hill, Logan, UT 84322-8205
Telephone: (435) 797-2931; Fax: (435) 797-1582
In-state Phone: (800) 822-8878
E-mail: utaht2@lab.cee.usu.edu, dbolling@lab.cee.usu.edu (Doyt Bolling), gperrett@cc.usu.edu (Garyn Parrett), slysy@cc.usu.edu (Jared Holland), kerl@cc.usu.edu (Keri Shoemaker)
Web site: <http://www.utaht2.usu.edu/>
Newsletter: On the Move
Year established: 1988
Contact: Doyt Bolling

Vermont Local Roads Program

Saint Michael's College, Winooski Park, Colchester, VT 05439
Telephone: (802) 654-2652; Fax: (802) 654-2555
In-state Phone: (800) 462-6555
E-mail: hlambert@smcvt.edu
Newsletter: Vermont Local Roads News
Year established: 1983
Contact: Henry R. Lambert

Virginia Transportation Technology Transfer Center

530 Edgemont Road, Charlottesville, VA 22903
Telephone: (804) 293-1966; Fax: (804) 293-1429
E-mail: vtffc@vdot.state.va.us
Newsletter: The Road Ahead
Year established: 1986
Contact: Carolyn Goodman

Northwest Technology Transfer Center - Washington

WSDOT-TransAid, PO Box 47390, Olympia, WA 98504-7390
Telephone: (360) 705-7390; Fax: (360) 705-6858
In-state Phone: (800) 973-4496
E-mail: sunded@wsdot.wa.gov
Web site: <http://www.wsdot.wa.gov/TA/T2/ltap.htm>
Newsletter: T2 Bulletin
Year established: 1983
Contact: Daniel L. Sunde

West Virginia Transportation Technology Transfer Center

PO Box 6103, Morgantown, WV 26506-6103
Telephone: (304) 293-3031, ext. 2612; Fax: (304) 293-7109
E-mail: mblanken@wvu.edu, reck@wvu.edu, kcarr@wvu.edu
Web site: <http://www.cemr.wvu.edu/~wwwtt>
Newsletter: Country Roads and City Streets
Year established: 1984
Contact: Mike Blankenship

Wisconsin Transportation Information Center

University of Wisconsin-Madison, 432 N. Lake Street, RM 725A,
Madison, WI 53706
Telephone: (608) 262-0422; Fax: (608) 263-3160
In-state Phone: (800) 442-4615
E-mail: donald@engr.wisc.edu
Web site: <http://www.engr.wisc.edu/centers/tic/>
Newsletter: Crossroads
Year established: 1983
Contact: Don Walker

Wyoming Technology Transfer Center

Box 3295, University Station, Laramie, WY 82071
Telephone: (800) 231-2815 or (307) 766-6743; Fax: (307) 766-6784
In-state Phone: (307) 766-6743
E-mail: wilsonem@uwyo.edu, lanningg@uwyo.edu,
zanatian@uwyo.edu, wyt2@uwyo.edu
Web site: <http://esig3.uwyo.edu/wyt2/>
Newsletter: T2 Newsletter Local Technical Assistance Program
Year established: 1985
Contact: Eugene M. Wilson

California-Nevada Tribal Technical Assistance Program

D-Q University, 33250 Road 31, Davis, CA 95617-0409
Telephone: (530) 758-2442 or 758-0470; Fax: (530) 758-4891
E-mail: lharriso@dqu.cc.ca.us
Newsletter: Tribal Pathways
Year established: 1996
Contact: Luwana Harrison

Tribal Technical Assistance Program at Colorado State University

Rockwell Hall, Rm. 321, Colorado State University,
Fort Collins, CO 80523
Telephone: (800) 262-7623; Fax: (970) 491-3502
In-state Phone: (970) 491-8653/3868
E-mail: rhall@lamar.colostate.edu, mikeg@lamar.colostate.edu
Web site: <http://www.colostate.edu/Orgs/TTAP/>
Newsletter: Transportation Trailblazer
Year established: 1993
Contact: Ronald Hall

Tribal Technical Assistance Program (TTAP)

Michigan Technological University, 1400 Townsend Drive,
Houghton, MI 49931-1295
Telephone: (906) 487-3164; Fax: (906) 487-1834
In-state Phone: (888) 230-0688
E-mail: balkire@mtu.edu, aakarsam@mtu.edu, pahendri@mtu.edu
Web site: <http://www.tttc.mtu.edu/ttap/TTAPindex.html>
Newsletter: Pathways
Year established: 1993
Contact: Alice Pouttu Karsama

Northern Plains Tribal Technical Assistance Program

United Tribes Technical College, 3315 University Drive,
Bismarck, ND 58504
Telephone: (701) 255-3285 ext. 353; Fax: (701) 530-0623
Year established: 1999
Contact: Dennis Trusty

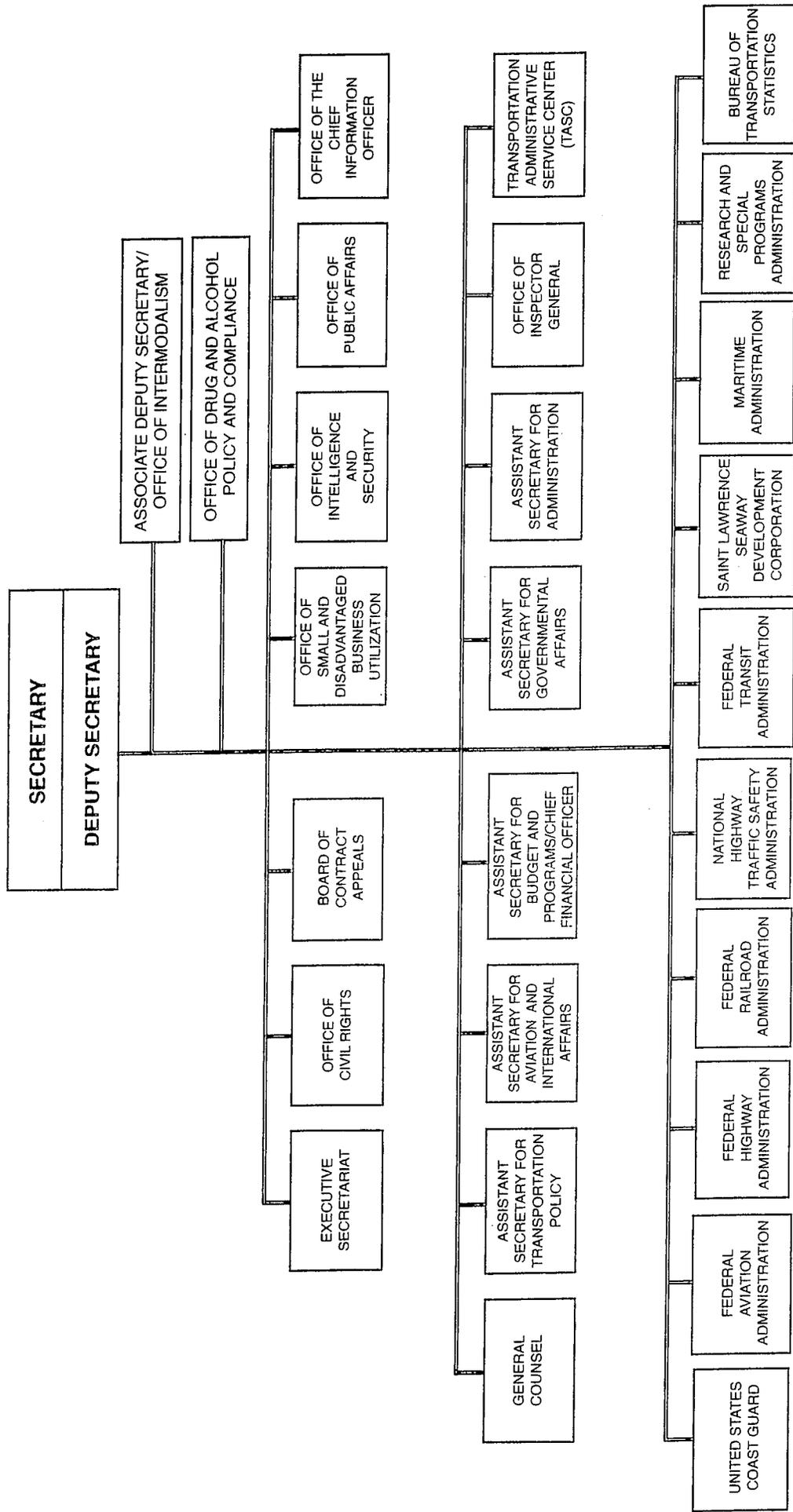
Oklahoma Tribal Technical Assistance Program

308 CITD, Oklahoma State University, Stillwater, OK 74078
Telephone: (405) 744-6049; Fax: (405) 744-7268
E-mail: padenj@okway.okstate.edu, cletis@okway.okstate.edu
Newsletter: Tribal Transportation News
Year established: 1995
Contact: Joseph Paden

Northwest Tribal LTAP

Eastern Washington University, Department of Urban and Regional
Planning, 668 North Riverpoint Blvd., Suite A,
Spokane, WA 99202-1660
Telephone: (509) 358-2225, (800) 583-3187; Fax: (509) 358-2267
E-mail: rrolland@ewu.edu, dwinchell@ewu.edu
Web site: <http://www.cbpa.ewu.edu/~NWTribe/>
Newsletter: NW Tribal LTAP News
Source: LTAP Clearinghouse, American Public Works Association

U.S. DEPARTMENT OF TRANSPORTATION



APPENDIX N

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(404) 562-3630

(808) 541-2700 - phone

(808) 541-2704 - fax

Hours: 7:30 am - 4:00 pm HST

(808) 541-2700 Ext. 312

(208) 334-9180 - phone

(208) 334-1691 - fax

Hours: 7:30 am - 4:00 pm MST

(208) 334-1690

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(217) 492-4621 - fax

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