

Transportation Workforce Development: Opportunities for Community Colleges

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**Omar Elkassed
Special Assistant to Senior Liaison for Higher Education
Federal Highway Administration
U.S. Department of Transportation**

U.S. Department of Transportation (DOT)

- Mission: provide a safe and efficient transportation system that meets the nation's needs and enhances quality of life today and in the future.
- Comprised of 13 agencies and bureaus

Federal Highway Administration (FHWA)

- Agency of the U.S. DOT
- Mission: ensuring that America's highways are safe, efficient, innovative, and meet the public's need for mobility while protecting the environment.
- Major Programs
 - Federal Aid Highway Program
 - Federal Lands Highway Program

FHWA Organization

- Washington, DC., Headquarters
- Division Offices-52
 - 1 in each state
 - Washington, DC
 - and Puerto Rico
- Resource Centers
- Federal Lands-3 Division Offices

Office of Professional and Corporate Development (OPCD)

- OPCD Mission: provide training and information sharing in pursuit of a common goal – the training, education and professional development of the national transportation workforce.
- National Highway Institute (NHI)
- Universities and Grants Program (U&GP)
- Affiliate Programs
- Senior Liaison for Higher Education

The Challenge of Preparing the Future Transportation Workforce/Leaders

- Retirement of baby boomers
- Needs in all highway job categories
 - labor /construction
 - Management
 - Leadership
 - technical
 - and paraprofessional
- Changing knowledge and skills requirements in transportation

The Challenge of Preparing the Future Transportation Workforce/Leaders

- Demographic changes and minority populations in U.S.
- Diversity - attracting minorities and women in transportation
- Magnitude of the challenge
 - National
 - State
 - local
- TRB Workforce Study- Human Resource needs of surface transportation

FHWA Workforce Development Initiatives

- Workforce Development- an area of major interest to FHWA
- FHWA and DOT Education and Training Programs
- OPCD National Strategies
 - Community Colleges

FHWA and DOT Education and Training Programs

- The National Highway Institute (NHI)
- Eisenhower Fellowship Program
- Summer Transportation Intern Program for Diverse Group (STIPDG)
- National Summer Transportation Institute for Secondary Students (NSTI)

FHWA and DOT Education and Training Programs

- University Transportation Center Program (UTC)
- Local Technical Assistant Program (LTAP)
- Highway Construction Career Day
- Garret Morgan Technology and Transportation Futures Program

Role of Community Colleges in Transportation Workforce Development

- Understanding and responding to the needs
- Department of Labor Report on high job growth areas in transportation industry
 - e.g. warehousing and storage

FHWA's Outreach Efforts to Community Colleges

- FHWA's review of innovative community college programs
 - Community College of Baltimore County (CCBC)
 - N.Y. City College of Tech – Joint Urban Manpower Program (JUMP)
 - Fairmont State National Transportation Academy
 - New programs (e.g. Wayne County CCD)

FHWA's Outreach Efforts to Community Colleges

- Southern California Regional Transit Training Center (SCRTTC)
- Advanced Transportation Technology (ATT&E) Center, California Community College Economic and Workforce Development initiative
 - Council for Resource Development (CRD) National Conference 2008 - Hyatt Regency Capitol Hotel

FHWA – Community Colleges Partnership Opportunities

- Transportation Education Development Pilot Program
 - Funded program at Polk Community College, Florida
 - Funded Program at Cal State Long Beach
- Local Technical Assistance Program (LTAP)

FHWA – Community Colleges Partnership Opportunities

- Transportation Curriculum Coordination Council (TCCC)
- Dwight David Eisenhower Community College Pilot Transportation Fellowship Program
 - Community College of Baltimore County (CCBC)

Transportation Education Development Pilot Program

- Basic Objective of Program
- Request for proposal

Eisenhower Community College Pilot Transportation Fellowship Program

- Basic Objective of Program
- Request for proposal

Disciplines for Highway Engineering Technicians (Level I, II, III, IV)

- Design
- Construction Management
- Maintenance
- Construction Materials
- Surveys
- Traffic Operations
- Bridge Safety Inspections
- Highway Safety

Closing Remarks

- Importance of CCs in attracting and preparing future transportation workforce
- The need for partnerships between CCs and transportation organizations
- Taking advantage of existing DOT programs
- Utilizing local transportation organizations as a resource

Contact Information

Moges Ayele. PH.D.

Senior Liaison for Higher Education

Federal Highway Administration

1200 New Jersey Avenue, SE

Room E74-417

Washington, DC 20590

Phone: (202)-366-9214

E-mail: moges.ayele@dot.gov

Contact Information

Omar A. Elkassed

Special Assistant to Senior Liaison for Higher
Education

Federal Highway Administration

1200 New Jersey Avenue, SE

Room E76-205

Washington, DC 20590

Phone: (202)-366-4651

E-mail: omar.elkassed@dot.gov