

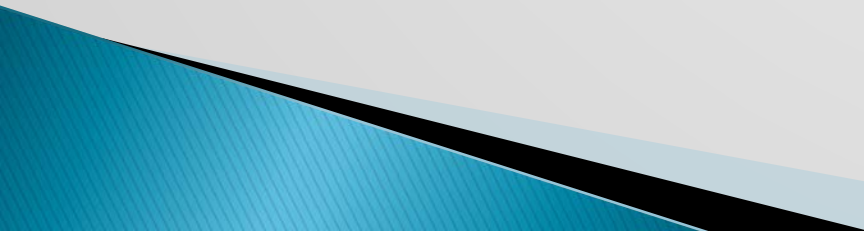


**Our Kids, Our Workforce,
& Our Future!**

**Supporting Workforce
Development Through
Transportation Education**

**Prepared by: Joyce Gottlieb, FY17
National NSTI Program Manager**

Presentation Overview

- Workforce organization
 - NSTI updates (milestones)
 - Program requirements (State/Division)
 - Leveraging partnerships
 - Program support
 - Areas for Improvement
- 

OFFICE INNOVATIVE PROGRAM DELIVERY

- Four Center's under OIPD
 - Accelerating Innovation
 - Local Aid Support
 - Innovative Finance Support
 - Transportation Workforce Development (TWD)
 - NSTI

Center for Transportation Workforce Development

- **K-12 Program**

- National Summer Transportation Institute
- Garrett Morgan Transportation Clearinghouse

- **Post Secondary Programs**

- Eisenhower Fellowship Program

- **Practitioner/Professional Programs**

- On-the-Job Training Supportive Services Program
& Pilots
- Highway Construction Workforce Development Pilot
- Regional Transportation Workforce Centers

Center for Transportation Workforce Development Staff

- Joe Conway -- Acting Director
-- *Virginia Tsu* - Director
- NSTI – Joyce Gottlieb
- OJT Supportive Services – Michael Caliendo
- Regional Transportation Workforce Centers – Clark Martin
- Dwight David Eisenhower Transportation & Fellowship Program – Fawn Thompson
- Garrett A. Morgan Transportation & Technology Education Program – Fawn Thompson

NSTI PROGRAM PURPOSE

To promote the Science, Technology, Engineering and Math (STEM) disciplines in transportation–education and career opportunities among middle and high school students, including at–risk youth.

23 U.S. Code § 140



2016 NSTI Host Sites

Alabama State University
University of West Alabama
University of Alabama
Alcorn State University
University of Arkansas
Arizona State University
California State University, Los Angeles
San Jose State University
Colorado State University
University of Connecticut
Delaware State University
Howard University
Florida Agricultural and Mechanical University
Florida International University
Valencia State University
University of Miami
Albany State University
Clark Atlanta University
Idaho State University
University of Illinois
Eastern Iowa Community College
Donnelly College
Kentucky State University
Southern University
University of Maine
University of Maryland Eastern Shore

Morgan State University
University of Massachusetts Amherst
Northeastern University
Ferris State University
Michigan Technological University
University of Minnesota
Alcorn State University
Jackson State University
Mississippi State University
St. Louis University
University of Missouri – Kansas City
Montana State University
Central Community College
University of Nevada– Las Vegas
University of New Hampshire Co-ed
University of New Hampshire (Engineeristas)
University of New Mexico
University at Buffalo/State University of New York
Fayetteville State University
North Carolina A&T State University
University of North Dakota
Central State University
Oklahoma State University

Portland State University
Cheyney University
Lincoln University of Pennsylvania
University of Puerto Rico at Mayaguez
University of Rhode Island
South Carolina State University
Benedict College
Tennessee State University
Texas Southern University
Lamar State University
University of Utah
Champlain College
Hampton University
Virginia State University
West Virginia State University
College of Menominee Nation
Lac Courte Oreilles Ojibwa Community College

Thank
You!

Colorado State University-Pueblo is pleased to announce a two-week non-residential National Summer Transportation Institute (NSTI) program from June 13 to June 24 for middle school students. Students interested in the program are encouraged to apply immediately. The NSTI program is open to all students in 6th through 8th grades currently attending public and private schools in Colorado.

Home

Design Contest

National Summer



SAINT LOUIS UNIVERSITY

PARKS COLLEGE OF ENGINEERING,
AVIATION AND TECHNOLOGY

Future Students | Current Students | Faculty & Staff | Alumni | Industry

ABOUT PARKS

ACADEMICS

DEPARTMENTS

RESEARCH

NEWS & EVENTS

BLOGS

Future Students

Schedule a Visit

Engineering and Aviation at SLU

Summer Transportation Institute

Search SLU



INFORMATION FOR:

ADMISSIONS

ACADEMICS

RESEARCH

STUDENT
LIFE

ATHLETICS

Home

School of
Engineering

Research
Centers

National
Center



KENTUCKY STATE
UNIVERSITY

IN ALL THINGS EXCELLENCE

A-Z INDEX

KSU CONNECT

CALENDAR

DIRECTORY

Search...



about land, air and water transportation

ventions, lectures by guest speakers, and

lication Form

the St. Louis Summer Transportation

NSTI 2016 June–August

The fifth annual NSTI program from June 13 to August 6, 2016, is sponsored by the University of Michigan. Students from Northwestern Michigan State University will participate in the program.

Activities to include:

- Making and bra
- Making asphalt
- Completing MC
- Touring Team

residential program
networking opportu
also includes SAT p

Students receive a f
program, including
provided daily. Eac
the program.

Application Require

To apply, students :
2015–2016 school
algebra; and have a

Students must also

- a completed a
- an official tra
- a 500–700 wc

[★ > Academic Programs > College of Agriculture, Food Science and Sustainable Systems > Research and Extension > 4-H Youth Development > STI Program](#)

YOUTH
DEVELOPMENT
SUMMER
PROGRAMS

2016 Summer
Programs

CAFSSS
COOPERATIVE
EXTENSION

Cooperative
Extension

Small Scale Farm

STI Program

Summer Transportation Institute

Program Dates: July 10 – 30, 2016

Application Deadline: April 15, 2016

Program Information: The Kentucky State University Summer Transportation Institute (STI) is a three-week residential program that allows students to explore today's top transportation industries. STI is designed to increase awareness of transportation (land, water, air) career opportunities at the secondary education level in order to encourage students to choose a career in this field.

NSTI Deliverable Dates

- Call for SOWs October 3, 2016
- State DOT must forward packet to Division by deadline
- Division must upload submittals to HIN's SharePoint site:
 - Intent to Approve Letter
 - DOT packet (SOWs & excel budget)
12/16/2016
- Funding allocations (target date: 1/31/17)

State DOT Requirements

- Recruitment and student selection procedures
- Staffing requirements
- Program cost (detailed budget summary)
- Inter-modal advisory committee
- Specific-named partners
- Implementation schedule
- Program curriculum (stem-focused)
 - Academic
 - Enhancement
 - Sports/Recreation (residential programs)
- Follow up survey of students

Division Requirements

- Review your State DOTs SOW packet to ensure it is consistent with program guidelines
- Make written comments
 - follow up with State DOT regarding identified areas of concern if needed
- Division Administrator submit recommendation(s) for host sites
- Upload “complete” packet to HIN’s SharePoint site

Partnerships

- Intermodal advisory committee
 - Needed expertise, influence, or resources
- Robust community partnerships
 - Sponsorships/in-kind contribution

Program Challenges

- Division set SOW deadline with State
- SOWs need to meet established criteria
- Missing activity schedules (more detail)
- Budget worksheet exceeds allocation
- Clarity concerning Aviation Career Experience (ACE) Program
 - ACE organizations

Challenges (contd.)

■ Did you know?

- Exchange Student Program
- Eligibility Student Medical Insurance

■ Statements-of-Work

- Competitive
- No repeat students
- Misuse of Stipends (Participants)
- Honorariums, Payment, Stipends (Guest Speakers)

Challenges (contd.)

■ Statements-of-Work

➤ Significant classroom time:

- Curriculum Instruction
- Experiential Learning (Hands-on activities)
- Presentations (Industry Professionals /Educators)

■ Project closeout process

■ Program assessments (survey)

Best Practices

■ Divisions

- Participate in the SOW Process
- Engage in State DOT panel review process
- Conduct onsite visits
- Participate in program activities

In closing, always remember:

- Attract and retain middle/high school students into the transportation industry
 - Minority females, at-risk & underrepresented youth
- Develop an innovative program
- Encourage collaboration
- Establish long term partnerships

Questions???

Joyce Gottlieb

NSTI Program Manager

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Center for Transportation Workforce Development
Office of Innovative Program Delivery (HIN)
Federal Highway Administration

SharePoint Site:

<http://our.dot.gov/office/fhwa.hq/OIPD/CWD/SitePages/Home.aspx>