

Objectives

The National Summer Transportation Institute (NSTI) is a key component among Federal Highway Administration (FHWA's) educational initiatives. The NSTI program is a Science, Technology and Math (STEM) focused program for high school and junior high/middle school students. It is administered by accredited colleges, community colleges and universities, accredited Minority Serving Institutions (MSIs) throughout the United States, the District of Columbia, the Commonwealth of Puerto Rico, Pacific Island territories and the U.S. Virgin Islands.

The NSTI program objectives are to improve STEM skills, provide awareness to middle and high school students – particularly minority, female and disadvantaged youth – about transportation careers, and encourage minority, female and disadvantaged youth – about transportation careers, and encourage them to consider transportation-related courses of study in their higher education pursuits. Host sites are required to commit significant program time to classroom participation. The length of the program is typically 2-4 consecutive weeks. Host sites may be student day programs or residential programs in which room and board are provided by the Host Sites to the students.

The NSTI should focus on critical and systematic educational endeavors that will explore all aspects of the transportation industry and its role in our society. It should present a curriculum that introduces participants to the diverse modes of transportation, as well as career opportunities that exist in the transportation industry.

A successful NSTI requires a cooperative effort among Federal, State and local transportation agencies, community-based organizations (CBOs), educational institutions and the private sector. Therefore, each NSTI is encouraged to establish an Intermodal Advisory Committee (IAC) and select members from a broad spectrum of the transportation community. The IAC is encouraged to assist with reviewing the SOW and curriculum, planning and securing resources (i.e. speakers, field trips, transportation partners, and sponsors), and providing technical assistance. Although the IAC may not make policy, it may serve in an advisory capacity and as a resource to the host site. The FHWA, State Transportation Agencies (STAs), Divisions, CBOs, and private industry may assist in conducting the NSTI by serving as members of the IAC. The Project Director is encouraged to convene a meeting of the IAC no later than six weeks prior to the start date of the NSTI. Minutes of all meetings should be filed and made available to the STA, the Division, and HCR upon request. The NSTI is typically implemented over a two to four week period and must have a minimum of 15 participants. The curriculum must be STEM focused and may be developed in coordination with the STA and Division.

Program Objectives:

1. Improve STEM (Science Technology Engineering and Math) Skills
2. Provide awareness about transportation related careers to middle school and high school students
3. Encourage students to consider transportation related fields of study in their higher education pursuits.
4. Host Sites must commit significant program time to classroom instruction

The FHWA's Office of Civil Rights and Division offices, manage the NSTI and oversees the work of State DOT's who are responsible for providing technical assistance, guidance, training and support to participating institutions host sites. For more information, please contact Staci Grover at (517) 373-1533 or grovers@michigan.gov. Deadline for submitting an application is Tuesday, February 16th.