

# U.S. DOT SBIR Program

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# How SBIR Supports the Mission of DOT

- The mission of the DOT is to ensure a fast, safe, efficient, accessible and convenient transportation system that meets vital national interests and enhances the quality of life of the American people
- SBIR addresses high priority research gaps within DOT's R&D Program
- SBIR topics are developed to align with Secretary's strategic priorities, specific modal priorities, and SBA

*Eight DOT Operating Administrations participate in SBIR to address areas in: aviation, railroad, transit, highway, trucks, pipeline and hazardous materials safety, and highway traffic safety.*

# SBIR Program Administration

- ❑ Budget is \$7-10 million annually
- ❑ Program includes 1-2 solicitations per year
- ❑ SBIR topics focus on safety, highway engineering, and transportation technologies
- ❑ For more information, visit our website:  
<http://www.volpe.dot.gov/sbir>

# Education-Related Topics

- ❑ **SBIR 14.1-FH4: Development of Middle School and High School STEM Programs** in Intelligent Transportation Systems (ITS) and Connected Vehicle (CV) Technology to increase awareness about ITS and CV technologies for High School students.
- ❑ **SBIR 15.1-FH2: Community College – Technical School ITS Curricula** to prepare community college students for entry into well-paying, in-demand careers in ITS and CV.

# ITS PCB Program Participation in SBIR

- ❑ The Intelligent Transportation Systems (ITS) Professional Capacity Building (PCB) Program provides ITS workforce with flexible accessible ITS learning through technical assistance and educational resources to ensure a highly trained workforce in emerging areas of ITS and Connected Vehicle (CV) technologies.
  
- ❑ SBIR 14.1-FH4: Development of Middle School and High School STEM Programs in ITS and CV Technology to increase awareness about ITS and CV technologies for High School students. Phase 1 results:
  - 10 Lesson plans for middle school students and 10 lesson plans for high school students using innovative interactive activities, materials, and the toolkits needed for each lesson.

# ITS PCB Program Participation in SBIR

- ❑ SBIR 15.1-FH2: Community College – Technical School ITS Curricula to prepare community college students for entry into well-paying, in-demand careers in ITS and CV. Develop an internet-based ITS CC/TS curricula that will become part of a shared public ITS resource responding to the dynamic needs of the ITS field to:
  - 1) engage CC/TS students using real-world examples;
  - 2) include multiple disciplines; and
  - 3) deliver openly available internet-based educational resources using innovative media applications.
- ❑ Additional ITS PCB SBIR topics as determined by the ITS PCB Program.

# U.S. DOT SBIR Contact Information

DOT SBIR Hotline: 617-494-2051

<http://www.volpe.dot.gov/sbir>

