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New Hampshire DOT
Department of Transportation

William Cass, P.E.
Commissioner

THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

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David Rodrigue, P.E.
Assistant Commissioner
Andre Briere, Colonel, USAF (RET)
Deputy Commissioner

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
State House
Concord, New Hampshire 03301

Bureau of Highway Maintenance
October 2, 2023

REQUESTED ACTION

Authorize the New Hampshire Department of Transportation, to hold an organized meeting on November 14-16, 2023, at the Transportation Department Headquarters, 7 Hazen Drive, Concord NH for a total conference cost not to exceed $6,000 for the purpose of training Department of Transportation employees effective upon Governor and Council approval through June 30, 2024. 100% Highway Funds

Funds to support this request are available in the following accounts:

	FY 2024
04-096-096-960515-3007 Bureau of Highway Maintenance 020-500200 Current Expense	$2,000
04-096-096-962015-3025 Bureau of Highway Design 020-500200 Current Expense	$2,000
04-096-096-962015-3035 Bureau of Construction 020-500200 Current Expense	$2,000

EXPLANATION

The purpose of this event is to provide training for highway design, construction and maintenance employees in the design, construction and maintenance of guardrail that is geared towards New Hampshire's design standards and practices. The three-day course is being developed using Federal highway funds authorized under the Fixing America's Surface Transportation Act (FAST Act) on December 4, 2015. The training will be provided to approximately 200 Transportation Department employees as well as approximately six FHWA employees and six guardrail installation company employees. One of the primary goals of this training is to minimize severe crashes by using barrier only when it is warranted and by selecting, designing, installing, and maintaining an effective barrier when shielding a roadside obstacle or terrain feature. The FHWA's FAST Act Safety Training offers the tools

for the State DOTs to provide their personnel and contractors with the appropriate information needed to ensure optimal barrier installations.

Because of the statewide nature of our attendees and the limited classroom and display time available for the training, the Department requests permission to provide lunch for attendees, thereby maximizing classroom time by reducing the time lost for employees to seek out lunch locally and return to the classroom in a timely fashion. The food will be procured separately in accordance with purchasing rules.

We respectfully request approval of this request.

Respectfully submitted,

William J. Cass, P.E.
Commissioner

Attachments

ATTACHMENT 1

NHDOT Guardrail Safety Training
Summary of Costs

Food & Beverage (approximately 100 attendees daily)	
Tuesday November 14	$2,000
Wednesday November 15	$2,000
Thursday November 16	$2,000
Total	$6,000

GUARDRAIL SAFETY TRAINING

MISSION: To develop and deliver a program that incorporates training, technical briefs, pocket guides and checklists that will improve an agency's ability to design, install, maintain and repair roadside barrier systems through a sustained program that will improve roadway departure safety.

Program Objectives:

- Develop State-specific training and materials directly related to barrier selection, design, installation and maintenance.
- Conduct training based on State-specific policies and guidelines.
- Establish a mentor program to identify and train a [illegible] person in each highway District to address barrier related questions and to train additional personnel.

Tools Offered

Highway Barrier Designer Training

1-day training course to address proper selection and design of traffic barriers, including end terminals, transitions, and crash cushions.

Highway Barrier Installation, Inspection and Maintenance Training

2-day training course with the first day addressing installation, inspection and maintenance/repair of traffic barriers and terminals. The second day features presentations by manufacturers on products used in the State and includes hands-on demonstrations.

Technical Briefs

These one-page briefs provide summary information and guidance on up to five topics selected by the host agency. Issues related to design, installation, or maintenance/repair can be selected.

Roadside Safety Pocket Guide

A quick-reference field manual that is State-specific and focuses on State policies and standards. Target users are personnel primarily involved in inspection and maintenance/repair to barrier installations.

Barrier Design Chart and Inspection Checklist

Additional tools developed to help State personnel in their daily activities and ensure an optimal barrier design and installation.

Train-the-Mentor (TTM) Training

Initiative will help States to continue to provide a formal structure that trains their employees, promotes individual development through the transfer of skills, expert knowledge and insight, and retains and expands valuable experience and knowledge within the department.

"...incorporation of State-specific policies, standards and examples was extremely valuable. This made the course twice as useful compared to a canned, standard presentation"

HOST THIS TRAINING

TAKE ADVANTAGE OF

FAST ACT

Public Law 114-94 §1418

CUSTOMIZED TO STATE PRACTICES & POLICIES

Guardrail Safety Training

MEET THE MANUFACTURERS

Learn directly from them how their hardware performs under impact and how to assemble, install and maintain their systems for optimal performance in the field.

MEET THE INSTRUCTORS

Each training session will be presented by two of our experienced instructors drawn from the ranks of former Federal Highway Administration, State DOT, and Industry personnel. Each is a recognized expert in the field of barrier design, installation and maintenance operations, with multiple years of relative experience within their respective agencies.

Barrier fatalities are particularly disturbing since the primary function of a traffic barrier is to reduce the severity of a crash. One of the primary goals of this project is to minimize severe crashes by using barrier only when it is warranted and by selecting, designing, and installing an effective barrier when shielding a roadside obstacle or terrain feature.

FHWA's FAST Act Guardrail Safety Training offers the tools for the State DOTs to provide their personnel and contractors with the appropriate information needed to ensure optimal barrier installations.

FOR MORE INFORMATION CONTACT

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- *Improve barrier design.*
- *Construct optimal barrier installations.*
- *Maintain/repair devices to original condition.*
- *Promote the development of expertise throughout the agency.*

U.S. Department of Transportation
Federal Highway

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