

RD&T Technology Facilitation Strategy

The following provides a framework for items to be included in facilitation strategy action plan. The items should be developed in coordination with appropriate CBU contact. This framework can then be used to finalize the action plan for delivery of research products.

PRODUCT *Describe product and its use*

Description of Product: Research results from work zone accident analyses

The objectives of the research study “Work Zone Accident Exposure Analyses” are:

- Identify work zone traffic control and work zone procedures that may improve safety in future work zone operations.
- Recommend an accident/exposure monitoring system to track work zone crashes and crash rates on a national basis.

A work zone-based approach is being taken to fulfill the study objectives, as opposed to an accident-based approach. An accident-based approach would first identify all work zone related crashes and then attempt to determine the work zone and traffic conditions at the time and location of the crash, was not chosen because research has found that many crashes that occur in work zones are not coded as work zone crashes. Traffic control plans for the work zones are being collected and accident and traffic volume data are being collected for a period prior to the start of construction, during construction, and for a period after construction.

Five States are participating in the study and over 150 work zone projects are being analyzed. The research findings will be published in FHWA reports and indicate the work zone traffic control and work zone procedures that may improve safety in future work zone operations. In addition, recommendations will be made about an accident/exposure monitoring system to track work zone crashes and crash rates on a national basis.

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Intended User

Traffic and maintenance engineers in State and local highway agencies. It’s expected the intended users will use the product to improve work zone safety in their respective jurisdictions.

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Distribution methods

The research results will be published in a final report and a technical brief. These reports will be distributed directly to FHWA resource centers and division offices, ITE, AASHTO Task Force of Retroreflectivity, American Traffic Safety Services Association (ATSSA), and National Association of County Engineers.

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Alternative Formats

To be determined.

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Delivery Date

March 2001

PROGRAM/PRODUCT SUPPORT *List contact information for subject matter experts or resource team*

CBU Contact(s)

Mike Robinson (OMCHS)
??? (Operations Office)

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**Resource Center
Contact(s)**

To be determined.

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**Division Office
Contact(s)**

To be determined.

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Other Contact(s)

To be determined.

OUTREACH *Describe opportunities or planned external outreach*

Conference Presentations (ITE, AASHTO, TRB, etc)

Presentations will be made at regional and national conferences (ITE, TRB, ATSSA, American Society of Highway Engineers, and American Road and Transportation Builders' Association).

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Publications (ITE, Public Roads, Transporter, etc.)

There will be FHWA publications (final report and technical brief) produced. A Transporter article will be prepared announcing the research results and the availability of the reports. A TRB report will also be prepared.

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Other Outreach Activities

To be determined.

TRAINING *Describe formal training, briefings or workshop developed or needed*

Materials Needed

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Instructor Requirements

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**Schedule of Training/
Workshop/Briefing**

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Intended Audience

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Alternative Formats

PROGRAM INTEGRATION *Should include discussion of transfer of program activities to appropriate CBU*

CBU Contact

Byron Dover (OMCHS)

Ernie Huckaby (Operations Office)

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Research Contact

Michael Griffith

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There's an integrated FHWA Work Zone product team. This team will be instrumental in marketing the products of this research effort.

