

# 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 the All-Weather Pavement Marking Study**

The All-Weather Pavement Marking Study is a multi-year research effort to determine the performance of all-weather pavement markings. The effort will be completed in June 2000. FHWA provided funding to 22 State highway agencies to install pavement markings. Performance data from test sites within 19 of the agencies are being evaluated. The primary evaluation is developing service life models (based on retroreflectivity measurements) for different marking types (epoxy, methyl methacrylate, polyester paint, tape, thermoplastic, etc.). Before-after safety evaluations will also be conducted to determine if all-weather pavement markings that maintain high retroreflectivity levels over time provide a greater benefit for safety than pavement markings of lower performance. Ultimately, the evaluation results will allow highway agencies to assess the circumstances under which the higher cost of all-weather pavement markings is justified by higher retroreflectivity levels in the field over longer periods of time and by increased safety.

The products of this study will provide guidance to the intended users in selecting pavement markings to replace existing markings and for the installation on newly constructed highways.

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**Intended Users**

Traffic and maintenance engineers in State and local highway agencies.

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**Distribution methods**

The research results will be published in a final report and executive summary. The executive summary 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.

A short presentation will be developed for resource center and division safety specialists to use at State and local conferences.

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**Alternative Formats**

To be determined.

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**Expected Delivery Date**

July 2000.

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

**CBU Contact(s)**

Byron Dover (OMCHS)

Ernie Huckaby (Operations Office)

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**Resource Center**

**Contact(s)**

Greg Schertz

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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 national conferences (ITE, TRB, ATSSA).

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

There will be FHWA publications (final report and executive summary) 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 a Technical Working Group (TWG) for retroreflectivity projects. The TWG is constantly updated on the progress of the All-Weather Pavement Marking Study and will be instrumental in marketing the products of this research effort.

