

**An Assessment of the MCSAP's
Research and Development Efforts**

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UGPTI Publication No. 117
August 1997

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Final Report

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August 1997

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AN ASSESSMENT OF THE MCSAP'S RESEARCH AND DEVELOPMENT EFFORTS

FINAL REPORT

Summary and Conclusions / Recommendations

After a thorough examination of the results of the present study, the main conclusion is that projects supported with MCSAP Research and Development (R&D) funds have on the whole been very effective. A review of projects supported with MCSAP R&D funds over the past few years revealed many successful projects; and no projects which the authors would classify as a "waste of money." Every project reviewed appeared to add some value to the program. It is the opinion of the authors that, with an updated procedure, the MCSAP should continue to support research and development efforts throughout the States.

Many of the projects supported with MCSAP R&D funds involved the purchase of equipment and development of software to assist inspectors in performing their duties, and to ease data entry and transfer. These projects have been very successful as evidenced by the following statement from Connecticut which has achieved 100 percent deployment of laptop/pen-based computers in their inspection program: "Conventional data entry functions have been completely eliminated with increased data accuracy and integrity. In addition, near real-time inspection data has been achieved."

Many other projects involved the development of courses and/or training materials in order for safety inspectors to be more effective; testing of various computerized brake-testing devices; and development of "sharing the road with commercial vehicles" public service announcements and materials. The remaining projects covered a wide range of topics from determining the extent of drug/alcohol use by commercial vehicle drivers to a Mexican translation of the Federal Motor Carrier Safety Regulations for nations where there are language barriers to the use of digital imaging to identify speeding and aggressive drivers. A complete listing of all the projects along with their objectives and conclusions can be found in Appendix B.

The majority of the States have been and are doing a good job of attempting to share the results of their studies. Project investigators are presenting results to a wide range of audiences and are diligent about keeping OMC informed as well. However, a uniform dissemination of results procedure could help in this process.

While reviewing projects, the authors developed the following criteria which may help to ensure a successful project:

- 1) A specific focus on a *significant* motor carrier safety problem;
- 2) A well thought out and documented research process, with a specific work plan and accompanying deadlines;
- 3) A state agency with either qualified in-house research staff, and/or which are able to contract to a third-party vendor with qualified research staff;
- 4) A budget sufficient to accomplish the objectives;
- 5) A realistic timetable for completion;
- 6) A detailed plan for dissemination of the results of the project; and
- 7) A proposed method for implementing any positive findings.

When comparing this list of criteria to the Office of Motor Carriers' (OMC) *Proposal Guidelines*, many similarities were noted. A summary of these guidelines follows:

- 1) ***Problem Identification:*** The State should explain the basic concept behind the proposal and build a case for funding. The problem definition should include a clear statement of need, along with facts and figures to back up the statement of need.
- 2) ***Objective:*** Project objectives should be stated in a concise and clear manner. In addition, they should be measurable (i.e., reduction in the number of highway accidents). Finally, they should be based on identified and articulated needs.
- 3) ***Plan of Operation:*** This is one of the most important sections of the proposal since it explains how the proposal's objectives will be carried out. The plan of operation should at least include all activities which are proposed to be conducted and also specify when they will be completed. A typical plan of operation may include all or some of the following: overall description of strategies, background

information, implementation timetable, data collection, innovative aspects, and potential impacts.

- 4) **Budget:** The budget provides a written plan of expenditures for the project proposal. Suggested formats should be followed but variation is acceptable depending on the type of project. Areas to include are personnel, travel, and equipment (both expendable and non-expendable). For each area, a narrative justification supporting the line item(s) should be included.
- 5) **Program Evaluation:** The main purpose of this guideline is to identify changes suggested upon implementation of the project. Program evaluation should include some of the following: quantification of the efforts to meet the stated objectives; selection of measures that answer the questions "who, what, where, when, how, and why;" information about when and how the data will be collected, analyzed, and reported; and evaluation measures which are built directly into the routines identified in the plan of operation.

Interestingly, almost every criteria identified by the authors for helping to ensure a successful project are also identified in OMC's *Proposal Guidelines*, with the exception of a plan for dissemination of the results. It is the opinion of the authors that an already successful program could be significantly improved if states had an identified place not only to report their results (in addition to reporting them to OMC), but also to locate and review projects conducted in other states. An ideal way this could be accomplished is "on-line" via a computer system.

Further research of the feasibility of this computer system has proved successful. All the information obtained from this study about the various MCSAP R&D projects has been placed on the Internet with the ability to be accessed by any individual interested. The project list is currently accessible through the Upper Great Plains Transportation Institute's home page at the address <http://www.ugpti.org/blindex.htm>, but can be moved to FHWA's or OMC's web site at any time determined to be feasible.

Currently, project contacts are encouraged to send updated information to the UGPTI as projects progress. However, it would be of maximum benefit if each project contact could access the Internet page themselves and update their own project information. The authors recommend that OMC put such a system in place (usually termed an "Intranet" site) and make it mandatory

upon receiving MCSAP R&D funds that the project contact will provide updated project information at specific time intervals (i.e., quarterly). In addition, the site need not be limited to only MCSAP R&D projects, but could also be useful for states to share any type of information (i.e., a new accident countermeasure they have developed, or a unique state-funded project).

Overview

The Motor Carrier Safety Assistance Program (MCSAP) provides funds for states to conduct various safety activities including roadside inspections of commercial vehicles and compliance reviews of motor carriers. In addition, the Secretary of Transportation has been directed by the Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991 to allocate no less than \$500,000 in each fiscal year to conduct research and development of technologies, methodologies, analyses, or information systems that are beneficial to all jurisdictions.

As a result of this commitment, a tremendous amount of activity has taken place to benefit various jurisdictions. However, the degree to which this activity has been shared with applicable jurisdictions or been implemented by those jurisdictions has not been evaluated.

In order to improve the effectiveness of the financial commitment made by the U.S. Department of Transportation, it would be advantageous to review previous activities funded as a part of this effort. The current project summarizes these previous activities and reviews them for the betterment of future research activities. Particularly, the dissemination of results to jurisdictions is reviewed. Specifically, the success of transferring information between states and agencies is a concern as well as the implementation of results that have benefitted jurisdictions.

Method

A comprehensive list of projects was compiled from information provided to the Upper Great Plains Transportation Institute by the Office of Motor Carriers (OMC) and obtained from the MCSAP Reports on New Enforcement Technologies and Strategies. All projects completed or in progress since Fiscal Year 1992 were included regardless of funding.

A State OMC contact was identified for each project. The list of projects was then sorted by state and this list was sent to the respective identified contact along with a cover letter explaining the project (Figure 1). The list of projects sent to each state are listed in Appendix A.

Those states with no identified projects were sent a similar letter simply to verify that they indeed were not responsible for any projects.

Two weeks after the letter and lists of projects were sent out, each state (or jurisdiction) was contacted by phone to determine if they could provide the required information. If the state was able to provide the information, they were faxed a questionnaire to complete for each project (Figure 2). If the state identified a different contact person, that person was contacted for the required information.

July 3, 1996

FIELD(Name)
FIELD(Address)
FIELD(CityState)

Dear FIELD(Name):

In cooperation with the FHWA, the Upper Great Plains Transportation Institute (UGPTI) is reviewing all research projects funded through the MCSAP since 1992. This is being conducted to improve the effectiveness of FHWA's investment in MCSAP research.

From information provided to us, we have compiled the enclosed list of projects that were conducted within your jurisdiction. Please review this list and make note of any corrections necessary, as well as any additional projects which may have been conducted that are not mentioned here. Also, we are interested in identifying a contact person who could provide us more detailed information for each project. Specifically, completion dates, findings, and details on dissemination of results will be desired.

We will be contacting you by phone in the next two weeks to discuss the above. If you have any immediate questions regarding this project, please feel free to contact myself or Brenda Lantz at the above number. We look forward to working with you.

Sincerely,

Jason Barber

Figure 1. Cover letter included with state project list

MCSAP Project Information Questionnaire

State:

Are any other states involved with the project?

If yes, which states?

Has the project been completed?

Project title:

Project ID number (if available):

Principal investigator(s)/contact(s) and phone number(s):

Objectives/description of project:

Findings/conclusions of project:

Project funding information

(please provide percent of each funding source which contributed to the project):

_____ MCSAP research and development funds

_____ Basic MCSAP grant dollars from State allocation

_____ State funds from other sources

Was there a final written report for the project?

Were presentations conducted to share the results of the project?

If yes, where and when were these conducted?

Were the results shared with the Office of Motor Carriers?

If yes, was it at the State, Regional, and/or Headquarters level and how were they shared?

Were the results shared with any other States?

If yes, how?

Figure 2. MCSAP project information questionnaire

Results

There were 30 states that had projects identified with them. Of these states, all but one responded to the questionnaire sent them (Table 1). The 29 states that responded provided information regarding 95 projects. In addition, there were four projects identified that were not associated with any particular state. Of these, information was obtained regarding two. Thus, there is a total of 97 projects for analysis in these results. A copy of the completed surveys sorted by funding, completion of the project, and by state can be found in Appendix B.

Table 1. Information Obtained from States

State	Information
Alabama	Received information regarding the three projects identified for them (one of these was ongoing for two fiscal years, and one other for three fiscal years).
Alaska	Received information regarding the one project identified for them.
Arizona	Received information regarding the one project identified for them.
California	Received information regarding the three projects identified for them (one of these was ongoing for three fiscal years), plus information for two additional projects not identified for them.
Colorado	Received information regarding the three projects identified for them (one of these was ongoing for two fiscal years).
Connecticut	Received information regarding the six projects identified for them (two of these were ongoing for two fiscal years, and one other for three fiscal years).
Idaho	Received information regarding four projects identified for them (two of these were ongoing for three fiscal years, and one other for two fiscal years)
Indiana	Received information regarding the two projects identified for them (one of these was ongoing for three fiscal years).

Table 1. Information Obtained from States

State	Information
Iowa	Received information regarding the four projects identified for them (one of these was ongoing for two fiscal years, and one other for three fiscal years).
Kansas	Received information regarding the one MCSAP-funded project identified for them.
Maryland	Received information regarding two projects identified for them (one of these was ongoing for three fiscal years), plus information for nine additional projects not identified for them.
Massachusetts	Received information regarding the four projects identified for them (one of these was ongoing for three fiscal years).
Michigan	Received information regarding the two projects identified for them (both of these were ongoing for two fiscal years).
Minnesota	Received information regarding four projects identified for them (one of these was ongoing for two fiscal years, and one other for three fiscal years), plus information for two additional projects not identified for them.
Mississippi	Received information for one project not identified for them.
Missouri	Received information regarding five projects identified for them (four of these were ongoing for two fiscal years).
Nebraska	Received information regarding the four projects identified for them (one of these was ongoing for two fiscal years, and one other for three fiscal years).
Nevada	Received information regarding the one project identified for them.
New Hampshire	Received information regarding the one project identified for them.
New Jersey	Received information regarding the one project identified for them.
New York	No information received.

Table 1. Information Obtained from States

State	Information
North Dakota	Received information regarding the four projects identified for them (one of these was ongoing for three fiscal years), plus information for two additional projects not identified for them.
Ohio	Received information regarding the one project identified for them (this project was ongoing for three fiscal years).
Oregon	Received information regarding the eight projects identified for them (one of these was ongoing for two fiscal years, and one other for three fiscal years).
South Carolina	Received information regarding the three projects identified for them (one of these was ongoing for two fiscal years).
Utah	Received information regarding the three projects identified for them.
Virginia	Received information regarding one project not identified for them.
Washington	Received information regarding three of the projects identified for them (one of these was ongoing for three fiscal years, and one other for two fiscal years).
West Virginia	Received information regarding two projects identified for them (one of these was ongoing for three fiscal years).
Wisconsin	Received information regarding two projects identified for them.
No state identified	Received information regarding two of these projects.

Results from the data collected reveal that, of the 97 projects,

- 64 projects were conducted with 50-100 percent MCSAP Research and Development (R&D) funds,
- 19 were conducted with 50-100 percent MCSAP basic funds,
- two were conducted with 100 percent state funds, and
- the remaining 12 had no or a different funding source listed.

Of the 64 projects conducted with 50-100 percent MCSAP R&D funds, 28 have been completed and the remainder are in progress. Fifteen of these 28 completed projects indicated that there was a final report written. Fifteen of these projects also indicated that presentations were conducted in order to relay the results of the projects. These presentations occurred at CVSA conferences and committees, the Transportation Research Board annual conference, OMC Headquarters, OMC Regional offices, as well as various law enforcement and industry conventions.

Twenty-six of the 28 completed MCSAP R&D projects indicated that the results of the project had been shared with OMC at the state, region, and/or headquarters levels through either a presentation, monthly/quarterly reports, or a final report. In addition, 16 of the projects noted that the results had been shared with other states through the distribution of a report, presentations, or a notice on a World Wide Web Internet Home Page.

Of the 36 projects still in progress with 50-100 percent MCSAP R&D funds, many have already conducted presentations regarding the project, have already relayed some results to OMC, and/or have already relayed results to other states. This is very promising as the sooner and more often results are shared, the more likely it is that they may provide useful information for other states.

Although the primary interest for the current project is in evaluating those projects conducted with R&D funds, States were urged to include all projects they were familiar with regardless of funding so a comprehensive list could be developed and distributed as described in the first section of this report.

Speaking with MCSAP managers and project investigators from individual states revealed some interesting observations. The states, in general, were very interested in talking about their projects and excited about some of their results. Several, however, indicated a degree of frustration in communicating these results to OMC and/or other states.

As described in the Recommendations section, a detailed procedure for dissemination of research results through an Intranet site could prove to be very valuable in order to help eliminate this frustration.

APPENDIX A
Complete Project List by State

Alabama

Year	Contact	Project
1992		* MC-92-01-333. Purchase, development, and evaluation of Gridpad system.
1992		* Develop generic software for use in portable microcomputers to facilitate data collection during driver/vehicle inspections.
1992	Mary Holt Alabama Department of Public Safety (205) 242-4423	* Software Development for Driver/Vehicle Inspections.
1993	Carol Harbaugh, Transportation Specialist Office of Motor Carriers (202) 366-0076 Other States: AZ, IN, UT	* Prototype State Medical Review Program. Explore the development of administrative medical review procedures for States to implement as part of the CDL issuance process.
1994		* MC-94-01-333. Development of generic software for use in microcomputers to facilitate easy on-site data collection during driver/vehicle inspections.
1994	Marie W. Maness Alabama Department of Public Safety (205) 242-4235	* Prototype State Medical Review Program.
1994	Lieutenant T. E. Masers Alabama Department of Public Safety (205) 242-4395	* Alabama Pen-Based Computer Project. Purpose of the project was to evaluate pen-based technology and develop software for Motor Carrier inspectors to use during roadside inspections of commercial motor vehicles.

Alaska

Year	Contact	Project
1993	Sergeant Brad Brown Alaska State Troopers (907) 269-5552	* Reinspection/Out-of-Service Verification. Project designed to ensure compliance with commercial vehicle safety regulations through verification of repairs.

* Received information from the state regarding this project.

Arizona

Year	Contact	Project
1993	Carol Harbaugh, Transportation Specialist Office of Motor Carriers (202) 366-0076 Other States: AL, IN, UT	* Prototype State Medical Review Program. Explore the development of administrative medical review procedures for States to implement as part of the CDL issuance process.

California

Year	Contact	Project
1993		* MC-93-06-333. Driver/Carrier Relationship project
1994	Lieutenant Harv Robinson Commercial and Technical Services Section California Highway Patrol (916) 445-1865	* Statewide Integrated Data Network. Purpose of the project is to streamline the method used to gather, analyze, and transmit data associated with the California Highway Patrol's (CHP) commercial vehicle enforcement program.
1994	Lieutenant Harv Robinson Commercial and Technical Services Section California Highway Patrol (916) 445-1865	* Electronic Clipboard/Gridpad. Purpose of the project is to develop and implement a portable electronic clipboard. The electronic clipboard will replace antiquated pencil and paper inspection form completion.
1994	Lieutenant Harv Robinson Commercial and Technical Services Section California Highway Patrol (916) 445-1865	* Driver/Carrier Relationship Analysis. Purpose of this project is to evaluate if a correlation exists between the behavior of the commercial driver and the employing carrier by analyzing traffic citation and carrier terminal inspection data.
1995	Captain Walter Burke California Highway Patrol (916) 445-1865	* Driver/Carrier Relationship Analysis.

Two additional projects identified by California (and information sent) for 1995 were a "Bilingual Training" project and a "Drug Recognition Evaluation" project.

* Received information from the state regarding this project.

Colorado

Year	Contact	Project
1993	Lieutenant Harv Robinson California Highway Patrol (on detail to the Office of Motor Carriers) (202) 366-2978 Other States: AL, KS, VA, WA, HI	* Commercial Vehicle Enforcement Pilot Project. The purpose of the project was to show that commercial vehicle safety can be enhanced and truck accidents reduced by providing minimum levels of training to existing traffic enforcement personnel and by focusing a portion of their enforcement efforts toward commercial vehicles rules-of-the-road and driver violations.
1994		* MC-94-08-333. Mexican translation/training in various motor carrier safety programs.
1995		* MC-95-08-333. Continuation of 1994 Mexican translation/training project.
1995	Captain Keith Dameron Colorado State Police (303) 239-4645	* Hicklin Transadyne Roller Brake Dynamometer. To evaluate and test a device to increase the efficiency of roadside inspections by reducing the time needed to check a vehicle's brake system.

Connecticut

Year	Contact	Project
1993	Lieutenant Gary Golas, MCSAP Coordinator, Connecticut Department of Motor Vehicles (203) 566-5589 or Francis P. Foley, State Director Office of Motor Carriers (203) 240-3708	* Inspection Repair and Audit Program. Follow-up inspection for purpose of determining corrective action taken on out-of-service violations discovered at roadside inspection.
1994	Lieutenant Gary Golas, MCSAP Coordinator, Connecticut Department of Motor Vehicles (203) 566-5589 or Francis P. Foley, State Director Office of Motor Carriers (203) 240-3708	* Inspection Repair and Audit Program. Follow-up inspection for the purpose of determining corrective action taken on out-of- service violations discovered at roadside inspection.

* Received information from the state regarding this project.

Connecticut

Year	Contact	Project
1994	Lieutenant R. Vincent, Program Manager Connecticut Department of Motor Vehicles, (203) 566-3188	* Medical Waiver Program for Intrastate Drivers of Commercial Motor Vehicles and Certain Other Vehicles.
1994	Lieutenant Gary Golas MCSAP Coordinator Connecticut Department of Motor Vehicles, (203) 566-5589	* Application of Notepad/Pen Computer Technology in Roving Unit Operations.
1995	Sergeant Francis Hallaman Connecticut Department of Motor Vehicles, (860) 528-6388 or Lieutenant Delbert Cornell Connecticut Department of Motor Vehicles, (860) 528-7614	* Inspection Repair and Audit Program. Follow-up inspection for the purpose of determining corrective action taken on out-of-service violations discovered at roadside inspection.
1995	Lieutenant R. Vincent Connecticut Department of Motor Vehicles Commercial Vehicle Safety Division (860) 528-7191	* Medical Waiver Program for Intrastate Drivers of Commercial Motor Vehicles and Certain Other Vehicles.
1995	Sergeant Rudolph Supina Connecticut Department of Motor Vehicles, (860) 528-6388 or Inspector Laurent Roberts Connecticut Department of Motor Vehicles, (860) 528-6388	* US DOT Number and Marking Requirement for Intrastate Carriers.
1995	Sergeant Rudolph Supina Connecticut Department of Motor Vehicles, (860) 528-6388	* Application of Notepad/Pen Computer Technology in Roving Unit Operations.
1995	Sergeant Rudolph Supina Connecticut Department of Motor Vehicles, (860) 528-6388	* Federal Highway Administration (MCSAP) Increased Access to CDLIS Pilot.
1995	Donald C. Bridge, Jr., Inspector Connecticut Department of Motor Vehicles Commercial Vehicle Safety Division (860) 528-7614	* Development, Evaluation, and Application of Brake Testing Devices. To develop, evaluate, and apply the Hicklin roller dynamometer within the roadside inspection program and submit all data collected to Battelle for review.

* Received information from the state regarding this project.

Idaho

Year	Contact	Project
1993		* MC-93-16-333. Driver/Carrier Relationship project
1993	Lieutenant Robert Lockett Idaho State Police (208) 327-7180	False Records of Duty Status Emphasis Screening Project. Since the Drug Interdiction Assistance Program (DIAP) began, the Idaho State Police has emphasized the record of duty status as a means to review more in-depth hours of service violations.
1993	Saundra DeKlotz Idaho Department of Law Enforcement State Police Division MCSAP Video Section (208) 327-7180	Motor Carrier Safety Assistance Program Hazardous Materials Video Series. A series of six tapes to support Dockets HM-181 and HM-126 in training law enforcement and the industry.
1993	F.A. York, State Director Office of Motor Carriers (208) 334-1831	Hazardous Waster/Substance Transportation Environmental Training Series.
1993	Lieutenant Robert Lockett Idaho State Police (208) 327-7180	Idaho Law Enforcement Telecommunications System Checks in Conjunction with Inspections.
1993	Saundra K. DeKlotz Idaho Department of Law Enforcement Idaho State Police Division (208) 327-7180	* Application of Notepad/Pen Computer Technology in Roving Unit Operations. Provide access to the SAFETYNET database maintained by the FHWA.
1994		* MC-94-16-333. Distance Learning Project.
1994	Dolores Macias Newton, OMC Investigator Idaho Office of Motor Carriers (208) 334-1831 or Saundra DeKlotz, MCSAP Coordinator Idaho State Police (208) 327-7180	Cooperative State/Federal Compliance Review Project.
1994	Saundra DeKlotz, MCSAP Coordinator Idaho State Police (208) 327-7180	MCSAP Video Project. Project focus is the preparation of video tapes for State/Federal training and reporting purposes.

* Received information from the state regarding this project.

Idaho

Year	Contact	Project
1994	Saundra DeKlotz, MCSAP Coordinator Idaho State Police (208) 327-7180	* Distance Learning. Develop CVSA-required refresher training to be delivered via a computer terminal and modem.
1994	Saundra DeKlotz, MCSAP Coordinator Idaho State Police (208) 327-7180	Traffic Enforcement. Traffic enforcement money made available to conduct appropriate level of inspections in association with hazardous moving violations.
1994	Saundra DeKlotz, MCSAP Coordinator Idaho State Police (208) 334-1831	* Application of Notepad/Pen Computer Technology in Roving Unit Operations.
1994	Saundra DeKlotz, MCSAP Coordinator Idaho State Police (208) 334-1831	Pen-Based Computer-CVSA Inspection. Purpose of the project was to complete CVSA inspections reports on a pen-based computer and download the data via modem to SAFETYNET.
1994	Lieutenant Duane Sammons Idaho State Police (208) 327-7180	Citation Pilot Project. Purpose was to capture all commercial vehicle citations and match that data to specific carriers.
1994	Saundra DeKlotz, MCSAP Coordinator Idaho State Police (208) 327-7180	* Driver/Carrier Relationship Project. An attempt to capture non-compliance data from citations in an effort to develop additional carrier profile data for driver/carrier evaluation.
1995		* MC-95-16-331. Phase II of the Driver/Carrier relationship project.
1995		* MC-95-16-333. MCSAP Quality Improvement Team (QIT) survey project.
1995	Saundra K. DeKlotz Idaho State Police (208) 884-7220	MCSAP Video Project. Project focus is the preparation of current video tapes for State/Federal training and reporting purposes.
1995	Saundra K. DeKlotz Idaho State Police (208) 884-7220	* Distance Learning Project.
1995	Saundra K. DeKlotz Idaho State Police (208) 884-7220	Idaho Out-of-Service Operational Test.

* Received information from the state regarding this project.

Idaho

Year	Contact	Project
1995	Saundra K. DeKlotz Idaho State Police (208) 884-7220 or Dolores Macias Newton OMC Investigator (208) 334-1831	Cooperative State/Federal Compliance Review Project.
1995	Saundra K. DeKlotz Idaho State Police (208) 884-7220	* Driver/Carrier Relationship Project. An attempt to capture non-compliance data from citations in an effort to develop additional carrier profile data for Driver/Carrier evaluation.
1995	Saundra K. DeKlotz Idaho State Police (208) 884-7220	* Application of Notepad/Pen Computer Technology in Roving Unit Operations.
1995	Lieutenant Duane Sammons Idaho State Police (208) 327-7180	* Driver/Carrier Relationship Project. Phase I of this study determined that a correlation exists between the carrier's existing level of safety and the various types and numbers of violations cited against its drivers.

Indiana

Year	Contact	Project
1993		* MC-93-18-333. Driver/Carrier Relationship project
1994	Lieutenant Guy Boruff Indiana State Police (317) 233-6018	* Driver/Carrier Relationship Project (UTT Research Project). Study determined if a correlation exists between the carrier's existing level of safety and the various types and numbers of violations cited against its drivers.
1995		* MC-95-18-331. Phase II of the Driver/Carrier relationship project.
1995		* MC-95-18-331. Indiana's Driver Examination Network Taskforce (IDENT). To develop procedures to determine the ways to identify "problem drivers" of "at risk" drivers to reduce the CMV crashes.

* Received information from the state regarding this project.

Indiana

Year	Contact	Project
1995	Sergeant James M. Addison Indiana State Police (317) 233-6018	* Driver/Carrier Relationship Project. Uniform Traffic Ticket (UTT) characteristics.
1995	Lieutenant Guy Boruff Indiana State Police (317) 233-6018	* Driver/Carrier Relationship Project (UTT Research Project). Phase I of this study determined that a correlation exists between the carrier's existing level of safety and the various types and numbers of violations cited against its drivers.

Iowa

Year	Contact	Project
1993		* MC-93-19-333. Purchase Gridpad portable pen- based computers and develop software to collect accident data.
1993	Kent Fleming, State Director Office of Motor Carriers (515) 233-1775 or Sgt. David Tjepkes Iowa State Police (913) 271-3355	* Combination Traffic and Drug Interdiction Program.
1993	Kent Fleming, Officer-in-Charge Office of Motor Carriers (515) 233-1775 or Walt McDonald Iowa Department of Transportation (515) 237-3203	* Commercial Vehicle Information System Grant Activity. Determine the feasibility of electronically linking motor carrier data systems (i.e. SAFETYNET, MCMIS, etc.) with commercial motor vehicle registration systems to create a central clearinghouse for States to check safety fitness incidental to processing commercial motor vehicle registration applications.
1994	Michael Isebrand, State Program Specialist Office of Motor Carriers (515) 233-1775	* Combination Traffic and Drug Interdiction Program (Innovative Activity).

* Received information from the state regarding this project.

Iowa

Year	Contact	Project
1994	Michael D. Isebrand, State Program Specialist Office of Motor Carriers (515) 233-1775	* Commercial Vehicle Information System (CVIS).
1995		* MC-95-19-331. Phase II of the Driver/Carrier relationship project.
1995	Bonnie Bass Office of Motor Carriers (202) 366-0089 or Michael Isebrand Iowa Office of Motor Carriers (515) 233-7406	* The Commercial Vehicle Information System (CVIS).

Kansas

Year	Contact	Project
1993	Lieutenant Harv Robinson California Highway Patrol (on detail to the Office of Motor Carriers) (202) 366-2978 Other States: AL, CO, VA, WA, HI	Commercial Vehicle Enforcement Pilot Project. The purpose of the project was to show that commercial vehicle safety can be enhanced and truck accidents reduced by providing minimum levels of training to existing traffic enforcement personnel and by focusing a portion of their enforcement efforts toward commercial vehicles rules-of-the-road and driver violations.
1993	Randy Beaver, State Programs Specialist Office of Motor Carriers (913) 267-7288 or Captain Michael Kuhn Kansas State Patrol (913) 296-7900	Commercial Motor Vehicle Handicapped Driver Waiver Program. State and Federal staff are developing a program for the State to administer the Handicapped Driver Waiver Program through its CDL licensing agency.
1993	Captain Michael Kuhn Kansas State Patrol (913) 296-7900	Expansion of Commercial Vehicle Enforcement Pilot Project. Kansas expanded its traffic program from the original 5 troopers for the Commercial Vehicle Enforcement Pilot Project, to a traffic enforcement program with 58 troopers.

* Received information from the state regarding this project.

Kansas

Year	Contact	Project
1993	Captain Michael Kuhn Kansas State Patrol (913) 296-7900	Expansion of the Drug Interdiction Assistance Program.
1993	Randy Beaver, State Programs Specialist Office of Motor Carriers (913) 267-7288 or Captain Michael Kuhn Kansas State Patrol (913) 296-7900	Hazardous Materials Program Manager Training.
1993	Captain Michael Kuhn Kansas State Patrol (913) 296-7900	Hazardous Materials Mondays. MCSAP Troopers place emphasis on inspecting commercial motor vehicles transporting materials each Monday.
1994	Lieutenant Larry L. Ochs Kansas Highway Patrol (913) 296-7903	Expansion of Commercial Vehicle Enforcement Program (Traffic Program).
1994	Lieutenant Larry L. Ochs Kansas Highway Patrol (913) 296-7903	Expansion of Drug Interdiction Assistance Program.
1994	Lieutenant Larry L. Ochs Kansas Highway Patrol (913) 296-7903	HM Mondays. MCSAP troopers place emphasis on inspecting CMV's transporting hazardous materials each Monday.
1994	Lieutenant Larry L. Ochs Kansas Highway Patrol (913) 296-7903	HMPM Training. All MCSAP troopers receive recurrent hazardous materials training by the Regional HMPM.
1994	Lieutenant Larry L. Ochs Kansas Highway Patrol (913) 296-7903	* State Laptop Computers. State personnel conducting safety reviews use laptop computers purchased through MCSAP.

Maryland

Year	Contact	Project
1992		MC-92-24-333. Evaluate numerous inspection data entry systems now in use by various states.

* Received information from the state regarding this project.

Maryland

Year	Contact	Project
1993	Dennis R. Atkins, Director of Traffic and Safety Maryland State Highway Administration (410) 787-7697	* Public Awareness Campaign, "Sharing the Road with Commercial Motor Vehicles". National in scope and involving schools, private corporations, unions, trucking associations, safety groups, and military branches.
1993	Captain Raymond Cotton Commander, Commercial Vehicle Enforcement Division (301) 345-3100	Evaluation of Data Entry Systems.
1994	Dennis R. Atkins, Director of Traffic and Safety Maryland State Highway Administration (410) 787-7697	* Public Awareness Campaign, "Sharing the Road with Commercial Motor Vehicles."
1995		* MC-95-24-333. Truckers and Troopers project. To develop a program to train highway troopers unaccustomed to interaction with CMV's through a "ride-sharing" program.
1995	David Longo Office of Motor Carriers (202) 366-0456	* Public Awareness Campaign, "Sharing the Road with Commercial Motor Carriers."
Nine additional projects were identified by Maryland (and information sent).		

Massachusetts

Year	Contact	Project
1992		* MC-92-25-333. Development of SAFETYNET data entry software and standardized inspection report form.
1993	Charles Hanafin, Regional Training Coordinator Department of State Police (508) 820-2300	* Region 1 MCSAP Regional Training Academy Framingham, Massachusetts
1994		* MC-94-25-331. Academy Pilot Courses.

* Received information from the state regarding this project.

Massachusetts

Year	Contact	Project
1994	Lt. Gary Burns Massachusetts State Police (508) 369-1005	* Regional Training Academy. Purpose is to supply the Region 1 area with a centralized training facility that has standardized courses available at the most cost effective price.
1994	Lieutenant Gary Burns Massachusetts State Police (508) 369-1005	* Urban Rush Hour Enforcement Program. Purpose was to develop the most feasible method of conducting commercial vehicle enforcement in a metropolitan environment during "rush hours."
1995		* MC-95-25-333. Regional training academy.

Michigan

Year	Contact	Project
1993		* MC-93-26-333. Driver/Carrier Relationship project
1994		* MC-94-26-333. Cargo Tank Testing and Inspection Facilities.
1995		* MC-95-26-331. Phase II of the Driver/Carrier relationship project.
1995	Sergeant David Ford Michigan State Police (517) 336-6476	* Compliance Review Program for Cargo Tank Inspection and Testing Facilities.

Minnesota

Year	Contact	Project
1992		* MC-92-27-333. Explore the use of image reader technology in the verification of OOS repairs.
1993		* MC-93-27-333. Purchase and install a computerized vehicle brake testing device developed by Hunter Engineering Company

* Received information from the state regarding this project.

Minnesota

Year	Contact	Project
1992	Captain Kevin L. Kittridge Department of Public Safety (612) 296-2138	* Verification of Out-of-Service Repairs. Explore the use of image reader technology to verify whether repairs have been done on out-of-service vehicles.
1994		* MC-94-27-333. Continuation of 1993 Hunter Brake Testing project.
1994		* MC-94-27-331. Continuation of 1992 project for use of image reader technology (license plate scanner).
1995		* MC-95-27-333. Public awareness program on sharing the road with trucks and buses.
1995		* MC-95-27-331. Development of a curriculum on sharing the road with trucks and buses.
1995	Ted Coulianos/Mary Meinert Minnesota Department of Transportation (612) 296-7109	External Newsletter.
1995	Ted Coulianos/Mary Meinert Minnesota Department of Transportation (612) 296-7109	Fact Sheets. Fact sheets take a specific subject and highlight important aspects for carriers and drivers to be aware of to comply with laws.
1995	Buzz Danzl Minnesota Department of Transportation (612) 297-2142	Initial Motor Carrier Contact (IMCC). The IMCC program helps new for-hire carriers entering the industry understand regulations that apply to them in an easy to understand format.
1995	Buzz Danzl Minnesota Department of Transportation (612) 297-2142	Inspection Repair Audit Program (IRAP).
1995	Paul Schoen/Sue Sheehan Minnesota State Patrol (612) 296-5949	* License Plate Scanner. Trying to monitor compliance with the requirement to repair out-of-service defects.
1995	Jerry McCord Minnesota Department of Transportation (612) 296-7109	Minnesota Carrier Review. To establish a rating system for intrastate carriers.

* Received information from the state regarding this project.

Minnesota

Year	Contact	Project
1995	Buzz Danzl Minnesota Department of Transportation (612) 297-2142	Hazardous Materials Shipper Reviews.
1995	Buzz Danzl Minnesota Department of Transportation (612) 297-2142	Hazardous Material Dock Audits.
1995	Ted Coulianos/Shelly Meyer Minnesota Department of Transportation (612) 296-7109	Hazardous Materials Registration.
1995	Chris Conway Minnesota Department of Transportation (612) 296-7109	Motor Carrier Information System. To consolidate eight separate data and document management systems into a modern, integrated database which will allow the office to operate more efficiently and effectively.
1995	Chris Conway Minnesota Department of Transportation (612) 296-7109	Linking Scales to SAFETYNET. Establish an appropriate high-speed communication link between the St.Croix fixed scale site and the Office of Motor Carrier Services (OMCS) to simplify the interchange of motor carrier information between MN/DOT and the State Patrol.
1995	Buzz Danzl Minnesota Department of Transportation (612) 297-2142	* Commercial Vehicle Information System (CVIS). CVIS pilot to the extent of completing compliance reviews and answering questions from carriers (warning letter questions).
1995	Paul Schoen Minnesota State Patrol (612) 296-5949	Automatic Brake Tester. Try the Brake Tester in the outdoor elements and verify its accuracy with different weather conditions.
Two additional projects identified by Minnesota (and information sent) for 1995 were a "TEAM" project and a "Pen-based computer" project.		

* Received information from the state regarding this project.

Mississippi

Year	Contact	Project
One project identified by Mississippi (and information sent) for 1995 was a "No-Zone" project.		

Missouri

Year	Contact	Project
1993		* MC-93-29-333. CDL OOS driver module. Pilot project that tracks an OOS driver for a CDL violation through the Missouri Uniform Law Enforcement System (MULES).
1993		* MC-93-29-331. Enforcing OMC medical standards through the issuance of CDL's.
1993	Diane Roods Missouri Department of Public Safety (314) 751-4905 or Sergeant Thomas Magnam St. Louis Metropolitan Police Department (314) 621-8848	St. Louis Metropolitan Police Department Commercial Motor Vehicle Traffic Program. The project evaluates the effectiveness of using a highway repair truck or an unmarked vehicle and radar for commercial motor vehicle traffic enforcement.
1993	Major Fred Mills Missouri State Highway Patrol (314) 751-3313	* Missouri State Highway Patrol, Field Operation Bureau, Drug Interdiction Assistance Program Associate Staff Program. Participation with other States and attend a Networking and Drug Interdiction Assistance Program Conference along with other training courses in FY 1993.
1993	Diane Roods Missouri Department of Public Safety (314) 751-4905 or Bill Dunn Missouri Division of Transportation] (314) 751-7100	Missouri Division of Transportation, On-Dock Survey, Special Project. The Missouri Department of Transportation selected 15 carriers to conduct an "On Dock" hazardous materials review in FY 1992. Communication and packaging regulations are checked during these surveys.
1993	Diane Roods Missouri Department of Public Safety (314) 751-4905 or Bill Dunn Missouri Division of Transportation] (314) 751-7100	Missouri Division of Transportation, Bulk Inspection Project. Target vehicle inspections (Level V) on bulk transporters of hazardous materials at the carriers' place of business based on carriers' out- of-service rates.

* Received information from the state regarding this project.

Missouri

Year	Contact	Project
1993	Diane Roods Missouri Department of Public Safety (314) 751-4905 or Bill Dunn Missouri Division of Transportation] (314) 751-7100	Missouri Division of Transportation, Part 180 Special Project. The Missouri Division of Transportation selected 30 bulk hazardous material carriers in FY 1992 to check their compliance with Part 180. Cargo tank testing, retrofitting, and remarking of certification plates are checked during these visits.
1993	Diane Roods Missouri Department of Public Safety (314) 751-4905 or Bill Dunn Missouri Division of Transportation] (314) 751-7100	* Development of Hazardous Material Training Courses.
1993	Jackie Kemmer Beal, Executive Director Missouri Department of Revenue Highway Reciprocity Commission (314) 751-3466	* International Fuel Tax Agreement/International Registration Plan Grant or STOLEN (State On- Line Enforcement Network). Development of a National database to assist police officers.
1993	Diane Roods Missouri Department of Public Safety (314) 751-4905 or Bill Kirke Kansas City Police Department (816) 482-8201	Kansas City Police Department's Accident Investigation Project.
1993	Captain Don Wells Missouri State Highway Patrol (314) 751-3313	Missouri State Highway Patrol, Commercial Vehicle Enforcement Division, "Good Guy, Bad Guy Report." Report generated twice a year through SAFETYNET on all carriers that were inspected at least 20 times in Missouri.
1994	Sergeant Charles Steele St. Louis Metropolitan Police Department, (314) 621-8848	Immobilizer or Boot Pilot Project. Immobilizers or "boots" are being used to prevent out-of-service vehicles from leaving the inspection location after being placed out-of- service.

* Received information from the state regarding this project.

Missouri

Year	Contact	Project
1994	Lieutenant B. R. Nelson Missouri State Highway Patrol (314) 751-3313 or Diane Roods Missouri Department of Public Safety (314) 751-4905	* Commercial Driver's License (CDL) Out-of-Service Module. MSHP is developing a CDL Out-of-Service Module in Missouri's Uniform Law Enforcement System (MULES) to maintain data on drivers of commercial motor vehicles who are placed out-of-service for CDL violations.
1994	Sergeant Charles Steele St. Louis Metropolitan Police Department, (314) 621-8848	Commercial Motor Vehicle Traffic Program. Project evaluated the effectiveness of using a highway repair truck as an unmarked vehicle along with a radar/television recorder in commercial motor vehicle traffic enforcement.
1994	Lieutenant Dwight Heseman Missouri State Highway Patrol (314) 751-3313	* DIAP (Drug Interdiction Assistance Program) Associate Staff Program.
1994	Gary Sublett Missouri Division of Transportation (314) 751-7100	* Hazardous Material Training Project (HMTIP).
1994	Ruth Coppenbarger Missouri Department of Revenue Highway Reciprocity Commission (314) 751-2362	* International Fuel Tax Agreement (IFTA), International Registration Plan (IRP) Grant, or STOLEN (State On-Line Enforcement Network).
1994	Captain Don Wells Missouri State Highway Patrol (314) 751-3313	"Good Guy, Bad Guy Report."
1994	Captain Laura Barton Kansas City Police Department (816) 482-8201	Accident Investigation Report.
1994	Captain Laura Barton Kansas City Police Department (816) 482-8201	Size and Weight Pilot Project.
1994	Gary Sublett Missouri Division of Transportation (314) 751-7100	Ultrasonic Leak Detection Program.

* Received information from the state regarding this project.

Nebraska

Year	Contact	Project
1992		* MC-92-31-333. Test a voice linked inspection system to improve the interface between the inspector and the MCSAP computer database.
1993	Sergeant Daryl Fisher Nebraska State Patrol (402) 471-2571 or Doug Donscheski Nebraska State Patrol (402) 471-0105	* Random Roadside Drug and Alcohol Testing. Objective is to develop and test roadside procedures which will most efficiently screen drivers for drug/alcohol violations, and initiate disqualification proceedings against any driver whose tests indicate a .04 percent or higher alcohol content or the presence of controlled substances.
1992	Doug Donscheski, MCSAP Coordinator Nebraska State Patrol (402) 471-0105	* Voice Linked, Computerized Inspection System. Consists of three complete sets of 386 laptop computers, portable printers, radios, voice links, and software.
1993	Jim McCauley, Highway Safety Specialist Office of Motor Carriers (202) 366-0133 Other States: UT, MN, NJ	* Random Roadside Drug and Alcohol Testing Project. Four States selected by FHWA to conduct a 1-year pilot program of random roadside testing for alcohol and drug use by commercial motor vehicle drivers.
1994		* MC-94-31-333. Voice Recognition Technology for Driver/Vehicle Inspection Reports.
1994	Sergeant Daryl Fisher Nebraska State Patrol (402) 471-2521 or Doug Donscheski, MCSAP Coordinator Nebraska State Patrol (402) 471-0105	* Random Roadside Drug and Alcohol Testing.
1994	Doug Donscheski, MCSAP Coordinator Nebraska State Patrol (402) 471-0105	* Hazardous Material Training.
1994	Doug Donscheski, MCSAP Coordinator Nebraska State Patrol (402) 471-0105	* Voice Link, Computerized Inspection System.

* Received information from the state regarding this project.

Nevada

Year	Contact	Project
1993		* MC-93-32-333. Obtain and operate a Mobile Inspection Trailer

New Hampshire

Year	Contact	Project
1994	Larry Abruzzesa Office of Motor Carriers (603) 225-1626	* Laptop Computer Pilot Project. Computerize the preparation of the roadside inspection form and capture the generated data at the source to eliminate the data entry process.

New Jersey

Year	Contact	Project
1994	Sergeant Joseph Ballas New Jersey State Police (609) 882-2000 ext. 2582	* Drug Interdiction Enforcement. Conduct a demonstration program to seek ways of reducing the use of the nation's highways for drug trafficking.

New York

Year	Contact	Project
1993		MC-93-36-331. Securement Industry Education. 12-member working committee to deliver training on load securement to the motor carrier industry.
1993		MC-93-36-333. Develop the means to identify carriers having a pattern of driver violations of safety regulations and review the carriers compliance with the safety regulations.
1994		MC-94-26-333. Load Securement project with the Ministries of Transportation in Ontario.
1995		MC-95-36-333. Craft and pilot one or more methods of obtaining the data necessary to effect.

* Received information from the state regarding this project.

New York

Year	Contact	Project
1995		MC-95-36-331. Continuation of the 1994 OOS criteria review project.
1995		MC-95-36-332. Fatigue study among commercial vehicle drivers in the State of New York.

North Dakota

Year	Contact	Project
1993		* MC-93-38-333. Driver/Carrier Relationship project
1994	Brenda Lantz The Upper Great Plains Transportation Institute North Dakota State University (701) 231-7766	* Improving Motor Carrier Safety by Developing a Partnership Among the Federal Government, the States, and the Trucking Industry through the MCSAP.
1994	Major Arden J. Johnson Administrative Services Commander North Dakota Highway Patrol (701) 224-2455	* Driver/Carrier Relationship Project. Purpose is to review the issues related to an effort of tracking the statistical relationship which may exist between commercial drivers and the employing carriers.
1994	Brenda Lantz North Dakota State University (701) 231-7766	* Evaluation of Differences Between Spontaneous and Anticipated Inspections of Medium and Heavy Trucks in a Highway Environment.
1995		* MC-95-38-331. Phase II of the Driver/Carrier relationship project.
1995		* MC-95-38-331. Peer review on hours of service compliance.
1995	Major Arden J. Johnson North Dakota Highway Patrol (701) 224-2455	* Driver/Carrier Relationship Project. Phase I of this study determined that a correlation exists between the carrier's existing level of safety and the various types and numbers of violations cited against its drivers.

Two additional projects identified by North Dakota (and information sent) for 1995 were a "NGA Crash Information" project and a "200 MCSAP Site" project.

* Received information from the state regarding this project.

Ohio

Year	Contact	Project
1992		* MC-92-39-333. Purchase and test a Mobile Inspection Trailer.
1994	Thomas L. Yager, Chief Ohio Public Utilities Commission Transportation Enforcement Division (614) 466-3682	* Mobile Inspection Trailer (MIT).
1995	Thomas L. Yager Ohio Public Utilities Commission (614) 466-3682	* Mobile Inspection Trailer (MIT). The Nepean Roller Dynamometer inspection trailer containing computerized brake roller tester and steering suspension tester will be utilized for Level 1 inspections in various parts of the State for 1 year.

Oregon

Year	Contact	Project
1993		* MC-93-41-333. Conduct an Infrared Truck/Bus Brake project.
1993	Paul Henry Oregon Public Utilities Commission (503) 378-6736	* Woodburn, Oregon, Commercial Driver's License Information System Hook-up.
1993	Paul Henry Oregon Public Utilities Commission (503) 378-6736	* "Evaluation of Traffic Offense Convictions and Truck Accidents Involving Waiver Drivers, 1987-1991."
1993	Paul Henry Oregon Public Utilities Commission (503) 378-6736	* "Variant Site Roadside Inspection Authority" Statute allowing vehicle inspections at sites posted with appropriate sign.
1994		* MC-94-41-333. Out-of-Service Criteria Review project.
1994	Paul Henry Oregon Public Utilities Commission (503) 378-6736	* Infrared Truck/Bus Brake Research Project (Renstar Project)
1995		* MC-95-41-333. Continuation of the 1994 OOS Criteria Review Project.

* Received information from the state regarding this project.

Oregon

Year	Contact	Project
1995	Paul Henry Oregon Public Utility Commission (503) 378-6736	* Idaho/Oregon/Utah (I.O.U.) Project. Develop a plan for utilizing today's technology to create a "seamless" highway corridor along I-84.
1995	Paul Henry Oregon Public Utility Commission (503) 378-6736	* Enhanced Traffic Enforcement (V.A.S.C.A.R.). Objective is to reduce commercial motor vehicle speed, and to reduce preventable accidents by detecting and issuing citations for all speed law violations.
1995	Paul Henry Oregon Public Utility Commission (503) 278-6736	* National Size/Weight Violation Data Survey and Analysis Study.
1995	Paul Henry Oregon Public Utility Commission (503) 378-6736	* Infrared Truck/Bus Brake Research Project. Project utilizes infrared-based sensors to determine the effectiveness of a commercial motor vehicle's braking system.
1995	Paul Henry Oregon Public Utility Commission (503) 378-6736	* Out-of-Service Criteria Review Project.

South Carolina

Year	Contact	Project
1994		* MC-94-45-333. Peer Review on OOS reinspection verification.
1995		* MC-95-45-333. International Inspectors Competition.
1995		* MC-95-45-331. Establishment of a Resource Center to disseminate information to States of "best practices" found during the OOS Verification Peer Review.
1995	Dr. James Fraser University of South Carolina College of Criminal Justice (803) 777-7336	* Peer Review of Out-of-Service Verification.

* Received information from the state regarding this project.

Utah

Year	Contact	Project
1993	Lorin Larsen, Project Director Utah Department of Public Safety (801) 538-3400	* Judicial Outreach and Train-the-Trainer Project. Project provided training to State and local commercial motor vehicle enforcement officials.
1993	Lorin Larsen, Project Director Utah Department of Public Safety (801) 538-3400	* MCSAP Highlighter. The MCSAP Highlighter is a bi-monthly newsletter for State, local, and Federal staff working with the MCSAP.
1994	Lieutenant J. D. Schulz Utah Highway Patrol (801) 596-9248	* Safety Enforcement Metro Inspection (SEMI) Project.

Virginia

Year	Contact	Project
One project identified by Virginia (and information sent) for 1991 was a "Traffic Enforcement Pilot Program" project.		

Washington

Year	Contact	Project
1993		* MC-93-53-333. Develop a Mobile Computer Network to transmit accident data from the patrol vehicle to the SAFETYNET file server.
1993		* MC-93-53-331. Data collection and analysis of the For-Hire/Private Carrier Bus Inspection Program.
1993	Roger A. Kraft, State Director Office of Motor Carriers (206) 753-99875 or Lieutenant Robert Leichner Washington State Patrol - CVE Section (206) 753-6554	CDL Suspension/Falsification of Medical Certificate. Washington Division office working with the Washington Department of Licensing to have CDLs suspended for 60 days when OMC or State personnel uncover false medical certificates during Safety and/or Compliance Reviews.

* Received information from the state regarding this project.

Washington

Year	Contact	Project
1993	Lieutenant Robert Leichner Washington State Patrol - CVE Section (206) 753-6554	* Hazardous Materials Strikeforce. Hazardous Material transportation inspections at four Ports of Entry and one scale facility at the base of a major mountain pass.
1993	Lieutenant Robert Leichner Washington State Patrol - CVE Section (206) 753-6554	Driver National Law Enforcement Telecommunications System Checks. Running driver's license checks through National Law Enforcement Telecommunications System when performing Level I and II inspections.
1993	Lieutenant Robert Leichner Washington State Patrol - CVE Section (206) 753-6554	* Mobile Computer Communication Network. Development of a mobile data communications system for patrol vehicles.
1994		* MC-94-53-333. Mobile Computer Network. Continuation of 1993 project number MC-93-53-333.
1994	CVEO 4 John Nicholas Washington State Patrol (206) 753-6554	* Hazardous Material Strikeforce. Special strikeforce emphasizing Hazardous Materials Regulation Enforcement.
1994	Lieutenant Dave Karnitz Washington State Patrol (206) 593-5478 ex. 104	* Mobile Computer Network (MCN). The MCN was conceived to address problems which occurred as the number of officers, volume of traffic, and usage of voice radio communications increased for the Washington State Patrol (WSP).
1994	Captain Robert Leichner Washington State Patrol (206) 753-0294	Driver National Law Enforcement Telecommunications System Checks.
1995	CVEO 4 Mike Weldin Washington State Patrol (360) 753-6554	* Mobile Computer Network. Objective was to upload inspections into SAFETYNET within 48 hours of the inspection.

West Virginia

Year	Contact	Project
1993		* MC-93-54-333. Test a Mobile Inspection Trailer.

* Received information from the state regarding this project.

West Virginia

Year	Contact	Project
1994	Bob R. Brooks West Virginia Public Service Commission (304) 340-0453	* Mobile Inspection Trailer.
1995	Bob Brooks West Virginia Public Service Commission (304) 340-0453	* Out-of-Service Verification.
1995	Bob R. Brooks West Virginia Public Service Commission (304) 340-0453	* Mobile Inspection Trailer. Field testing the Nepean Roller Dynamometer brake testing device.

Wisconsin

Year	Contact	Project
1995	Lt. Stephen Gasper Wisconsin State Patrol (608) 266-0264	* CVO Out-of-Service verification operational test.
1995	Lt. Lyle T. Walheim Wisconsin State Police (608) 266-0305	* Heka Brake Tester.

Projects Not Associated with any State

Year	Contact	Project
1994	Paul Alexander Office of Motor Carriers (202) 366-5881	* Development, Evaluation, and Application of Brake Testing Devices.
1994	Bill Mahorney, CVO Task Force Office of Motor Carriers (202) 366-6515	Cooperative Agreement. The Office of Motor Carriers has entered into a cooperative agreement with the CVSA in order to provide research, technical assistance, planning, and marketing support for FHWA's development of CVO/IVHS technologies.

* Received information from the state regarding this project.

Projects Not Associated with any State

Year	Contact	Project
1995	Timothy S. Herder Applied Physics Laboratory Johns Hopkins University (301) 953-6513	Safety and Fitness Electronic Records (SAFER) System.
1995	Paul Alexander Office of Motor Carriers (202) 366-5881	* Development, Evaluation, and Application of Brake Testing Devices.
1995	Deborah Henson Office of Motor Carriers (202) 366-2941	* Judicial/Executive Overview Program Presenters Training.

* Received information from the state regarding this project.

Appendix B
Project Information Surveys

MCSAP Project Information

State AL **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Pen Computer Hardware/Software Research and Development

Project ID: 92-01-333, 94-01-333

Principal investigator(s) or contact(s):

Angie Marzano
Alabama Department of Public Safety
Motor Carrier Safety Unit, (334) 242-4395

Objectives/description:

Develop generic software for use with pen computers to facilitate data collection during roadside driver/vehicle inspections. In addition, an objective of the project was to research and test pen computers in an outside, rugged environment.

Findings/conclusions:

Conclusions were highlighted in the final report, which was distributed to all levels of FHWA.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

CVSA, Bar Harbour, Maine
CVSA, Data Committee meetings
SAFETYNET Workshop, Omaha, NE

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Report submitted to State FHWA and shared through all levels of FHWA.

Were results shared with other States? Yes

If yes, how?

Through R&D report published and made available to all MCSAP states; through CVSA presentations; by phone and letter.

MCSAP Project Information

State CA **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Driver/Carrier Relationship

Project ID: 93-06-333

Principal investigator(s) or contact(s):

Captain Manny Padilla or Sergeant Stephen Bell
California Highway Patrol, (916) 445-1865

Objectives/description:

To determine if a correlation exists between the behavior of the commercial driver and the employing carrier by analyzing traffic citation and carrier terminal inspection data.

Findings/conclusions:

This was a multi-phase project of which California only participated in phase one. Our analysis did not reveal sufficient data to come to an informed decision.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

Included in the FY 1995 MCSAP report on new enforcement technologies and strategies.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

See above

Were results shared with other States? Yes

If yes, how?

See above

MCSAP Project Information

State CO **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Hicklin Transadyne Roller Brake Dynamometer

Project ID: 94-08-555

Principal investigator(s) or contact(s):

Steve Shaffer, Battelle, (614) 424-4960

Alan Rutledge, CO Port of Entry, (303) 205-5690

Objectives/description:

Use new technologies to analyze the functionality and performance of commercial vehicle braking systems.

Findings/conclusions:

There were numerous problems associated with the machine.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Quarterly reports were shared with the State OMC.

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State CO **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Mexican Training/Translation Project

Project ID: 94-08-333

Principal investigator(s) or contact(s):

Dominick Spataro, FHWA/OMC, (202) 366-2995

Tom Kozlowski, FHWA/OMC, (202) 366-5370

Objectives/description:

Develop a complete (Spanish/English) version of the Federal Motor Carrier Safety Regulations. Provide translated training manuals of the North American Safety Standards and Federal Motor Carrier regulations to representatives of those member nations with which there are language barriers. To maintain a flow of information between the USA and member nations through constant interaction between task force committee members and the appropriate representatives from those nations.

Findings/conclusions:

Consistent with the mission of the Commercial Vehicle Safety Alliance to work towards a national and international goal of uniformity in commercial vehicle safety inspections and procedures, Mexico was recruited as the next country, second to Canada, to join CVSA. The invitation to Mexico was significant because of the potential to begin a phase-in approach to establishing uniform standards and procedures throughout the Americas (North, South, and Central) concerning the highway mode of transportation. Another significance to the invitation to Mexico is the challenge of establishing a line of communications when linguistic barriers exist.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? Yes

If yes, where and when?

Various presentations were made during site visits by Federal, State, and industry members at locations along the border and in Mexico. Most of the visits were done in conjunction with meetings of the CVSA International Affairs Committee.

Were results shared with the Office of Motor Carriers? Yes

MCSAP Project Information

If yes, how were they shared with OMC?

The CVSA International Affairs Committee includes representatives from the FHWA/OMC Headquarters and affected Regional Offices, the States of New Mexico, Arizona, California, Texas, Colorado, Mexico, and Canada.

Were results shared with other States? Yes

If yes, how?

Same as above

MCSAP Project Information

State IA **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Gridpad system

Project ID: 93-19-333

Principal investigator(s) or contact(s):

Jaime Rayes
Iowa Department of Transportation
(515) 237-3020

Objectives/description:

Purchase Gridpad portable pen-based computers and develop software to collect accident data.

Findings/conclusions:

There were problems associated with the contractor hired to develop the software.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State ID **Total number of States involved in the project:**

Has the project been completed? Yes

Project title: Driver/Carrier Relationship Project

Project ID: 93-16-333

Principal investigator(s) or contact(s):

Saundra DeKlotz

Idaho Department of Law Enforcement

State Police Division, (208) 884-7220

Objectives/description:

The purpose was to capture all commercial vehicle citations and match that data to specific carriers.

Findings/conclusions:

Idaho was involved in this project with several other states and contractors. They were able to provide specific data for the project. They were not responsible for the final report.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State MA **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Development of SAFETYNET data entry software

Project ID: 92-25-333

Principal investigator(s) or contact(s):

Captain Gary Burns
Massachusetts State Police
(508) 369-1005

Objectives/description:

Develop standardized report form.

Findings/conclusions:

Revised inspection forms were developed from this project.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State MA **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Academy Pilot Courses

Project ID: 94-25-331

Principal investigator(s) or contact(s):

Captain Gary Burns
Massachusetts State Police
(508) 369-1005

Objectives/description:

Provided additional courses for the Regional Training Academy.

Findings/conclusions:

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? Yes

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

States in Region 1.

MCSAP Project Information

State MD **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Share the Road Phase IV

Project ID: 95-24-555

Principal investigator(s) or contact(s):

Dennis Atkins

Maryland Department of Transportation

(410) 787-7697

Objectives/description:

To inform the general motoring public how to safely drive around trucks on the highway.

Findings/conclusions:

A third 30 second public service announcement was developed and aired nationally.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? Yes

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State MD **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Traffic Enforcement

Project ID: 95-24-002

Principal investigator(s) or contact(s):

John Rotz
Maryland Department of Transportation
(410) 582-5735

Objectives/description:

To provide additional off peak traffic enforcement and inspections on I-495 Capital Beltway to reduce speeding and aggressive driving.

Findings/conclusions:

Project complete - Final report due by December 31, 1996.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Not yet

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Not yet

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

Results will likely be shared with Virginia.

MCSAP Project Information

State MI **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Driver/Carrier Relationship Project

Project ID: 93-26-333, 95-26-333

Principal investigator(s) or contact(s):

Lt. Lisa Jacobs
Michigan State Police
(517) 336-6476

Objectives/description:

The objective of the project was to determine whether the types and numbers of traffic citations, not convictions, assess carrier fitness. The project was two years in duration.

Findings/conclusions:

They were able to determine carrier fitness based on citations in certain situations. The final report is still being developed.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

Through CVSA committees

MCSAP Project Information

State MI **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Cargo Tank Testing and Inspection Facilities

Project ID: 94-26-333

Principal investigator(s) or contact(s):

Lt. Lisa Jacobs
Michigan State Police
(517) 336-6476

Objectives/description:

To develop a flow chart for investigators when testing and inspecting cargo tanks. This would assist inspectors due to the technical nature of the task.

Findings/conclusions:

A flow chart was developed for use by inspectors.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State MN **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Explore the use of Image Reader Technology in the Verification of OOS Repairs.

Project ID: 92-27-333, 94-27-331

Principal investigator(s) or contact(s):

Paul Schoen
Minnesota State Patrol
(612) 296-5949

Objectives/description:

To test fixed and mobile license plate readers.

Findings/conclusions:

The program had mixed results. The mobile scanner did not work, however the fixed scanner worked very well.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted?

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Final report was given to FHWA

Were results shared with other States?

If yes, how?

MCSAP Project Information

State MN **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Hunter Brake Testing Equipment

Project ID: 93-27-333, 94-27-333

Principal investigator(s) or contact(s):

Paul Schoen
Minnesota State Patrol
(612) 296-5949

Objectives/description:

To purchase and install a computerized vehicle brake testing device developed by Hunter Engineering Company.

Findings/conclusions:

The equipment was tested in outdoor elements to verify its accuracy with different weather conditions. Overall, the project was very successful. This equipment has been approved by FHWA for purchase by other states, and is used for mainly for pit installation.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Final report sent to FHWA

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State MN **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Public Awareness Program

Project ID: 95-27-333

Principal investigator(s) or contact(s):

Paul Schoen
Minnesota State Patrol
(612) 296-5949

Objectives/description:

The objective of the project was to encourage commercial motor vehicle operators in the safe operation of their vehicles and public awareness of the trucking industry.

Findings/conclusions:

Safety information was provided to the public and trucking industry through exhibitions.
The project was canceled after one year in 1995.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? Yes

If yes, where and when?

With industry and the public

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State MO **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Enforcing OMC Medical Standards through the issuance of CDL's

Project ID: 93-29-331

Principal investigator(s) or contact(s):

Diane Roods
Missouri Department of Public Safety
(573) 751-4905

Objectives/description:

This project was designed to determine medical standards through the CDL issuance process.

Findings/conclusions:

The project was contracted directly with the Missouri Department of Revenue. Other information is not known.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State MO **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: CDL Out-of-service (OOS) Driver Module

Project ID: 93-29-333

Principal investigator(s) or contact(s):

Diane Roods
Missouri Department of Public Safety
(573) 751-4905

Objectives/description:

A pilot project that tracks an OOS driver for a CDL violation through the Missouri Uniform Law Enforcement System (MULES).

Findings/conclusions:

The project was not successful, and did not do what it was designed for. It may be included in a future program.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State MO **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: International Fuel Tax Agreement/International Registration Plan Grant

Project ID:

Principal investigator(s) or contact(s):

Diane Roods

Missouri Department of Public Safety

(573) 751-4905

Objectives/description:

The development of a national database to assist police officers through the use of the State On-Line Enforcement Network (STOLEN).

Findings/conclusions:

The project was contracted directly with the Missouri Department of Revenue. Other information is not known.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report?

Were presentations conducted?

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States?

If yes, how?

MCSAP Project Information

State ND **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Perceptions of the MCSAP: Motor Carrier Management and State Administrators

Project ID:

Principal investigator(s) or contact(s):

Brenda Lantz
UGPTI, (701) 231-7766

Objectives/description:

To identify perceptions of the MCSAP by those who administer the program and by those whom the program applies to. To gain insight to increase the program's effectiveness and thus improve motor carrier safety.

Findings/conclusions:

Both groups perceive the MCSAP as beneficial and identified ways to improve it even further through education and a review of certain processes.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

At CVSA Annual Conference, Fall, 1995. Submitted to TRB for January, 1997.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Copies were sent to state, region, and headquarters OMC along with presentation and discussion of results with each agency.

Were results shared with other States? Yes

If yes, how?

Copies distributed as requested and notice listed on UGPTI's World Wide Web page.

MCSAP Project Information

State ND **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Evaluation of the Differences Between Spontaneous and Anticipated
Roadside Inspections of Motor Carriers

Project ID:

Principal investigator(s) or contact(s):

Brenda Lantz
UGPTI, (701) 231-7766

Objectives/description:

To determine if a difference exists in the amount or type of violations found between inspections at fixed versus roadside sites.

Findings/conclusions:

Found very little notable differences in violations between the two types of locations.
Recommend fixed sites continue to concentrate on Level I and roadside sites on Level III inspections.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

At TRB Annual Conference in Washington, D.C., January, 1996.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Copies were sent to state, region, and headquarters OMC along with presentation and discussion of results with each agency.

Were results shared with other States? Yes

If yes, how?

Copies distributed as requested and notice listed on UGPTI's World Wide Web page.

MCSAP Project Information

State NE **Total number of States involved in the project:** 4

Has the project been completed? Yes

Project title: Random Roadside Pilot Project

Project ID: 91-89-38

Principal investigator(s) or contact(s):

Rick Wrobel, Tracor Technology Resources, Inc., (301) 251-4958
(Other States: NJ, MN, UT)

Objectives/description:

Determine extent of drug/alcohol use by CMV drivers.

Findings/conclusions:

35,000 drug tests resulted in 4.6% positive; 65,000 alcohol tests resulted in 0.2% positive

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

Various law enforcement and industry presentations were made over the last two years.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

OMC headquarters staff have been briefed at various times. Regional staff received copies of final report.

Were results shared with other States? Yes

If yes, how?

Copies of the final report are mailed to those who request it.

MCSAP Project Information

State NE **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Voice linked, computerized inspection system

Project ID: 94-31-333

Principal investigator(s) or contact(s):

Doug Donscheski, MCSAP Coordinator
Nebraska State Patrol, (402) 471-0105

Objectives/description:

Test a voice linked inspection system to improve the interface between the inspector and the MCSAP computer database.

Findings/conclusions:

Unknown.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report?

Were presentations conducted?

If yes, where and when?

Were results shared with the Office of Motor Carriers?

If yes, how were they shared with OMC?

Were results shared with other States?

If yes, how?

MCSAP Project Information

State NJ **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Drug Interdiction Enforcement

Project ID:

Principal investigator(s) or contact(s):

Trooper William McDonald
(609) 882-2000 ext. 2998

Objectives/description:

Conduct a demonstration program to seek ways of reducing the use of the nation's highways for drug trafficking.

Findings/conclusions:

Program was a success. Details in final report sent to FHWA.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

Several hundred to private industry and government organizations.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Quarterly reports

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State OR **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Infrared Truck/Bus Brake Research Project

Project ID: 93-41-333, 94-41-555

Principal investigator(s) or contact(s):

Ed Rendon, Control Products, Inc., (360) 571-0988 or
Ron Jones, ODOT/MCTB, (503) 373-0771

Objectives/description:

Design, assemble, and test an infrared temperature sensing device capable of detecting brake problems through sensing if the vehicle's brakes are overheating or not.

Findings/conclusions:

Brake temperature was found to be a poor indicator of brake adjustments.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

A debriefing was conducted at the FHWA/OMC Salem, Oregon office.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

The Regional headquarters was provided a copy of the report.

Were results shared with other States?

If yes, how?

MCSAP Project Information

State OR **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Out-of-Service (OOS) Criteria Review

Project ID: 94-41-333, 95-41-333

Principal investigator(s) or contact(s):

Chris Bell, Professor, Civil Engineering, (540) 737-4981 or Ron Jones, ODOT/MCTB,
(503) 373-0771

Objectives/description:

Conduct the OOS criteria review/validation for the CVSA vehicle and hazardous materials committees.

Findings/conclusions:

Scheduled to be presented to FHWA and CVSA September, 1996.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Will be presented during CVSA annual conference.

Were presentations conducted? Yes

If yes, where and when?

Will be presented to CVSA HM vehicle committees.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Will be provided copies of all reports.

Were results shared with other States? Yes

If yes, how?

At the CVSA annual conference.

MCSAP Project Information

State SC **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Peer Review of OOS Verification

Project ID: 94-45-999

Principal investigator(s) or contact(s):

Major John Valdario
South Carolina State Transport Police, (803) 731-1427
Dr. James Fraser, University of South Carolina
(803) 777-7357

Objectives/description:

Evaluate OOS verification

Findings/conclusions:

There were different effective practices that created a "tool box" of these effective practices.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

Office of Motor Carriers, Washington, D.C. / CVSA Prince Edward Island

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

State/Regional/Headquarters by report/person

Were results shared with other States? Yes

If yes, how?

Report sent to each MCSAP agency

MCSAP Project Information

State WA **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: For-Hire and Private Carrier Bus Inspections

Project ID: 93-53-331

Principal investigator(s) or contact(s):

Mike Weldin, Washington State Patrol, (360) 753-0289

Objectives/description:

Assess the safety compliance of private carriers and for-hire buses.

Findings/conclusions:

It was found that these buses had higher percentage of out-of-service than trucks. More emphasis in this area is needed.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Final report

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State CA **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Statewide Integrated Data Network

Project ID: 94-06-001

Principal investigator(s) or contact(s):

Captain Manny Padilla or Sergeant Stephen Bell
California Highway Patrol, (916) 445-1865

Objectives/description:

The purpose of the project is to streamline the method used to gather, analyze, and transmit data associated with the California Highway Patrol commercial vehicle inspection/enforcement program.

Findings/conclusions:

This project is still ongoing. ALPHA testing on a prototype is being conducted in a metropolitan area of the state. Once implemented statewide, a comprehensive project evaluation will be completed and forwarded to FHWA.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes, at completion of project

Were presentations conducted? N/A

If yes, where and when?

Project has not been completed. At the conclusion of the project a final written report will be provided to FHWA.

Were results shared with the Office of Motor Carriers? N/A

If yes, how were they shared with OMC?

See above

Were results shared with other States? N/A

If yes, how?

See above

MCSAP Project Information

State CA **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Electronic Clipboard/Gridpad

Project ID:

Principal investigator(s) or contact(s):

Captain Manny Padilla or Sergeant Stephen Bell
California Highway Patrol, (916) 445-1865

Objectives/description:

Purpose of the project is to automate the documentation of commercial vehicle inspections.

Findings/conclusions:

California Highway Patrol has developed a fully automated commercial vehicle inspection system that is in use at 8 of our 16 inspection facilities. Dependent upon future federal funding, the remaining facilities will be equipped by Dec. 1997.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? Yes

If yes, where and when?

Federal Highway Administration has participated in several demonstrations of the project. The project was demonstrated by Regional Director Nick Walsh at a meeting in Washington, D.C.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

See above

Were results shared with other States? Yes

If yes, how?

Enforcement personnel from Nevada traveled to California to see a demonstration of the automated inspection system.

MCSAP Project Information

State CT **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Laptop/Penbase Inspections and Data Transfer

Project ID:

Principal investigator(s) or contact(s):

Sergeant Rudolph Supina, MCSAP Coordinator
Connecticut Department of Motor Vehicles
(860) 528-6388

Objectives/description:

The objective of the project is to use laptop/penbase computers to perform, transfer, and upload inspections from the roadside.

Findings/conclusions:

The program has been successful. Connecticut has achieved 100 percent deployment of laptop/penbase in its inspection program. Conventional data entry functions have been completely eliminated with increased data accuracy and integrity. In addition, near real time inspection data has been achieved. Source of funding is actually a combination of research & development, basic grant funds, and state funds.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A, project is ongoing

Were presentations conducted? Yes

If yes, where and when?

Numerous presentations have been given to industry, in addition to MCSAP personnel from New York, Oklahoma, and Rhode Island.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

OMC in Glastonbury, CT

Were results shared with other States? Yes

If yes, how?

Through TWG and CVSA

MCSAP Project Information

State CT **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Wireless Connectivity for ASPEN

Project ID:

Principal investigator(s) or contact(s):

Sergeant Rudolph Supina, MCSAP Coordinator
Connecticut Department of Motor Vehicles
(860) 528-6388

Objectives/description:

Provide wireless connectivity for ASPEN data transfer using existing laptop penbased computers.

Findings/conclusions:

None - in implementation stages. Funding is a combination of research & development funds, and state funds.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

OMC in Glastonbury, CT

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State CT **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Development, Evaluation, and Application of Brake Testing Devices

Project ID: FY-96-09555

Principal investigator(s) or contact(s):

Inspector Donald C. Bridge Jr., (860) 528-7614 or
Sergeant Rudolph Supina, MCSAP Coordinator
Connecticut Department of Motor Vehicles
(860) 528-6388

Objectives/description:

The purpose of the project is to review current brake inspection/testing equipment and technologies used in the U.S., Canada, Europe, and Australia.

Findings/conclusions:

There have been problems associated with the Hicklin Roller Brake Dynamometer (RBD). In addition, the time needed to conduct inspections has not been significantly reduced. A final report has been completed and will be released after FHWA OMC has reviewed it.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

With Technical working group for brake testing techniques. Minnesota, 9/95

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Quarterly reports to state OMC and a status report to FHWA in Washington, D.C.

Were results shared with other States? Yes

If yes, how?

With other states in the Technical working group.

MCSAP Project Information

State IA **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Driver/Carrier Project

Project ID: 95-19-333

Principal investigator(s) or contact(s):

Patti Coman Drissel, AAMVAnet, (703) 908-5767

Objectives/description:

To determine the benefits that would be gained by having States routinely identify the motor carrier on the traffic citation and to analyze the citation data with accident data. This would help determine the value of including driver citation data in the process for FHWA to target carriers for compliance reviews.

Findings/conclusions:

This project is in progress. Results will be available by the end of the year from AAMVA.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes, for Phase I

Were presentations conducted? Yes

If yes, where and when?

At various AAMVA and CVSA meetings.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Headquarters

Were results shared with other States? Yes

If yes, how?

Through presentations

MCSAP Project Information

State ID **Total number of States involved in the project:** 0

Has the project been completed? No

Project title: Distance Learning Project

Project ID:

Principal investigator(s) or contact(s):

Saundra DeKlotz

Idaho Department of Law Enforcement

State Police Division, (208) 884-7220

Objectives/description:

To compare the effectiveness of classroom versus distance learning techniques.

Findings/conclusions:

The program developed refresher training in hours-of-service and other driver related issues. It involved training for inspectors from several states. The program was very successful. Improvements by inspection personnel were 138 percent for classroom teaching and 666 percent for distance learning teaching.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? Yes

If yes, where and when?

The program has been shared through CVSA

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State IN Total number of States involved in the project: 1

Has the project been completed? No

Project title: Driver/Carrier Relationship Project (UTT Research Project)

Project ID: 93-18-333

Principal investigator(s) or contact(s):

Sergeant Bob Corkwell
Indiana State Police
(317) 233-6018

Objectives/description:

Objective was to evaluate the relationship between types of traffic violations and carrier safety rating.

Findings/conclusions:

It was determined a correlation exists between the number and types of violations, and a carrier's safety rating. This project is ongoing and report is being developed.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Required status reports

Were results shared with other States?

If yes, how?

MCSAP Project Information

State IN **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Indiana's Driver Examination Network Taskforce (IDENT)

Project ID: 95-18-331

Principal investigator(s) or contact(s):

Sergeant Bob Corkwell
Indiana State Police
(317) 233-6018

Objectives/description:

To develop procedures to determine the ways to identify "problem drivers" of "at risk" drivers to reduce CMV crashes.

Findings/conclusions:

Project is ongoing.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? Yes

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State KS **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: State Laptop Computers

Project ID:

Principal investigator(s) or contact(s):

Lieutenant Larry L. Ochs
Kansas Highway Patrol
(913) 296-7903

Objectives/description:

The objective is for state personnel conducting safety reviews to use laptop computers purchased through MCSAP. The goal is to eventually have a paperless environment.

Findings/conclusions:

The program has been very successful to date. Currently, there are 22 laptops in the field, with 15 more on order.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? Yes

If yes, where and when?

The project has been shared through the CVSA ITS Committee.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

Through CVSA

MCSAP Project Information

State MA **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Region 1 MCSAP Regional Training Academy

Project ID:

Principal investigator(s) or contact(s):

Captain Gary Burns
Massachusetts State Police
(508) 369-1005

Objectives/description:

To develop a regional training academy for enforcement officers. The purpose is to supply Region 1 with a centralized training facility.

Findings/conclusions:

The academy works in conjunction with the National Training Center.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? Yes

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

States in Region 1

MCSAP Project Information

State MD **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: 1997 SAFETYNET Workshop in Maryland

Project ID: 96-24-331

Principal investigator(s) or contact(s):

John Rotz
Maryland Department of Transportation
(410) 582-5735

Objectives/description:

To provide funding for SAFETYNET workshop to be held in Maryland, June, 1997.

Findings/conclusions:

Project is ongoing.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? N/A

If yes, how were they shared with OMC?

Were results shared with other States? N/A

If yes, how?

MCSAP Project Information

State MD **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Penbased Computers

Project ID: 95-24-555

Principal investigator(s) or contact(s):

John Rotz
Maryland Department of Transportation
(410) 582-5735

Objectives/description:

To provide portable computers with inspection selection software for inspectors in the field.
Also, to improve data quality and speed.

Findings/conclusions:

Computer procurement and computer/printer glitches have delayed the project.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? Yes

If yes, where and when?

Penbase operations were demonstrated at Maryland delegates meeting and CVISN showcase on 10/1/96 at State Operation Center.

Were results shared with the Office of Motor Carriers? No

If yes, how were they shared with OMC?

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State MD **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: B & G Brake Tester

Project ID: 94-24-555

Principal investigator(s) or contact(s):

John Rotz
Maryland Department of Transportation
(410) 582-5735

Objectives/description:

Test new "Brake-Away Torque" technology to develop new standards in brake inspections.

Findings/conclusions:

Project will not be complete for another 6 months. The machine arrived late and there have been some breakdowns.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A, Battele will issue final report

Were presentations conducted? Yes

If yes, where and when?

Maryland legislators have seen brake tester in operation at I-70 truck weigh and inspection station.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Members of FHWA were also present at demonstration.

Were results shared with other States? N/A

If yes, how?

There are plans to travel to all neighboring states.

MCSAP Project Information

State MD **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Aggressive Driver Imaging

Project ID: 96-24-333

Principal investigator(s) or contact(s):

Major Ray Cotton

Maryland Department of Transportation

(410) 974-2042

Objectives/description:

To use digital imaging to identify speeding and aggressive drivers on busy highways (I-495) where chasing and stopping are not possible.

Findings/conclusions:

Has not started yet.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? N/A

If yes, how were they shared with OMC?

Were results shared with other States? N/A

If yes, how?

MCSAP Project Information

State MN **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Trained Experts Accident Management (TEAM) Project

Project ID: 95-27-331

Principal investigator(s) or contact(s):

Paul Schoen
Minnesota State Patrol
(612) 296-5949

Objectives/description:

The development of a curriculum to train commercial motor vehicle inspectors in post-crash inspection processes. A goal is to develop a national model identifying causation factors related to CMV crashes.

Findings/conclusions:

The project is in development stages and will continue in FY 1997.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? N/A

If yes, how?

MCSAP Project Information

State MN **Total number of States involved in the project:** 0

Has the project been completed? No

Project title: Penbased Computer Project.

Project ID:

Principal investigator(s) or contact(s):

Paul Schoen
Minnesota State Patrol
(612) 296-5949

Objectives/description:

To purchase penbased computer equipment to be used with ASPEN and other inspection tools.

Findings/conclusions:

The project is in beginning stages.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? N/A

If yes, how?

MCSAP Project Information

State MO **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Development of Hazardous Material Training Courses

Project ID:

Principal investigator(s) or contact(s):

Diane Roods
Missouri Department of Public Safety
(573) 751-4905

Objectives/description:

To develop hazardous material training courses in conjunction with the National Training Center.

Findings/conclusions:

The program has been very successful. The University of Missouri is involved with the development of curriculum for state and federal inspectors. The program has expanded to include other subjects, including NASTI training.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? Yes

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Quarterly reports have been sent.

Were results shared with other States? Yes

If yes, how?

Through National Training Center

MCSAP Project Information

State ND **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Peer Review on Hours of Service Compliance

Project ID:

Principal investigator(s) or contact(s):

Dr. Ayman Smadi

UGPTI, (701) 231-8101

Objectives/description:

Identify best state practices related to hours of service compliance.

Findings/conclusions:

Project is in progress.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? At completion of project.

Were presentations conducted? Expected, at CVSA

If yes, where and when?

Were results shared with the Office of Motor Carriers? When completed

If yes, how were they shared with OMC?

Were results shared with other States? Expected

If yes, how?

MCSAP Project Information

State ND **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Driver Carrier Relationship Phase II

Project ID: 93-38-333

Principal investigator(s) or contact(s):

Major Doyle Schulz, ND Highway Patrol, (701) 328-2455

Technical Information, Mr. Kurt Schmidt

Objectives/description:

Review issues related to tracking statistical relationships which may exist between drivers and their employers.

Findings/conclusions:

Project is ongoing.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? N/A

If yes, how were they shared with OMC?

Were results shared with other States? N/A

If yes, how?

MCSAP Project Information

State ND **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: 200 MCSAP Site Project

Project ID: 95-38-551

Principal investigator(s) or contact(s):

Major Doyle Schulz, ND Highway Patrol, (701) 328-2455
Technical Information, Mr. Kurt Schmidt

Objectives/description:

Identify problem carriers and drivers utilizing the ISS and CD license.

Findings/conclusions:

Project is ongoing.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? N/A

If yes, how were they shared with OMC?

Were results shared with other States? N/A

If yes, how?

MCSAP Project Information

State None **Total number of States involved in the project:** 18

Has the project been completed? No

Project title: Judicial/Executive Overview Program Presenters Training

Project ID: Cooperative Agreement DTFH61-95-X-00009

Principal investigator(s) or contact(s):

David Cashwell, IADLEST, (919) 733-2530 or
Deborah Henson, OMC, (202) 366-2941

Objectives/description:

Develop and deliver a course to train primarily State presenters in the development and delivery of basic commercial motor vehicle safety information to judicial and other high-level executive audiences (court officials, prosecutors, legislators, etc.).

Findings/conclusions:

Final course revised to reflect input from the pilot courses. Course reviews by students acceptable, demand for additional courses high.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes, Course manual in the form of a binder.

Were presentations conducted? Yes

If yes, where and when?

The project entailed development and delivery of two training courses.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

OMC staff (Henson, Alexander, McLaughlin) were instructors during the course, and participated in course evaluation and edit. Also, eight OMC field personnel were trained in the first two courses.

Were results shared with other States? Yes

If yes, how?

Twenty State presenters representing 18 States were trained by IADLEST during two pilot course offerings. Additional courses will be scheduled with a goal of at least one trained JOP presenter in every State.

MCSAP Project Information

State NV **Total number of States involved in the project:** 2

Has the project been completed? No

Project title: Obtain and Operate a Mobile Inspection Trailer

Project ID: 93-32-333

Principal investigator(s) or contact(s):

Lt. Steve Williams
Nevada Highway Patrol
(702) 688-2730

Objectives/description:

The objective of the project was to evaluate a breakaway torque tester machine. This is a trailer mounted device that determines brake efficiency of commercial vehicles.

Findings/conclusions:

There were various problems associated with the project. There were some equipment and computer related problems, in addition to manpower constraints. Using the machine is a time consuming process and requires at least three people to use it effectively. A final report is being compiled and will be given to Region 9 when completed.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes, when completed

Were presentations conducted? Yes

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

Maryland is also involved in a similar project.

MCSAP Project Information

State OH **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Mobile Inspection Trailer

Project ID: 94-39-333

Principal investigator(s) or contact(s):

Thomas L. Yager, MCSAP Manager
Transportation Department
Public Utilities Commission
180 E. Broad St.
Columbus, OH 43215-3793
(614) 466-0785

Objectives/description:

Current method of using visual measuring of push-rod adjustments may not be best available measure of brake performance. Inspection trailer containing computerized brake roller tester and steering/suspension tester was utilized for Level I inspections in various parts of State for one year. Traditional visual inspections were done on same vehicles and results compared. Although fixed-platform brake testing systems have been in use in the U.S., no mobile devices of that type have been utilized. This self-contained mobile inspection trailer (MIT), which has been in wide use by government inspectors in Australia, can be set-up quickly in the field after being towed to the inspection site. Preliminary evaluation by NHTSA and State agencies indicates that the device will not necessarily expedite the inspection process, but may result in more accurate and objective brake system measurements. During the one-year test period, traditional Level I inspections were conducted on vehicles which were also tested on the MIT. Results were compared to determine which method, if either, produces "better" inspection results. Data will also be utilized to determine appropriate violation and out-of-service levels for vehicles tested on the MIT, which produces a computer graphic print-out of its results.

Findings/conclusions:

Final conclusions have not yet been published by the contractor hired by FHWA to evaluate the project.

Project funding information:

- 100 percent funded through MCSAP Research and Development funds
- 0 percent funded through MCSAP Basic funds
- 0 percent funded through State funds

Was there a final written report? No

MCSAP Project Information

Were presentations conducted? Yes

If yes, where and when?

Society of Automotive Engineering (SAE) Truck and Bus meeting, Winston-Salem, NC, November, 1995.

CVSA Annual Conference, Sun Valley, ID, October, 1995.

The Maintenance Council (TMC) Annual Meeting, Orlando, FL, March, 1995.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Results have been shared with OMC at the Headquarters level through interim reports, a technical working group, and frequent telephone conversations.

Were results shared with other States? Yes

If yes, how?

The interim report has been shared with other States by Headquarters at FHWA.

MCSAP Project Information

State OR **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: National Size/Weight Violation Data Survey and Analysis Study

Project ID: 94-41-551

Principal investigator(s) or contact(s):

Harry Eubanks, (503) 378-4601

Objectives/description:

Determine what information is collected from size/weight enforcement activities and computer data elements maintained State by State. As available, use data to determine if safety and size/weight violations correlated by carrier.

Findings/conclusions:

Phase II nearly completed; study still in progress.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Study and report still in progress.

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? N/A

If yes, how were they shared with OMC?

Were results shared with other States? N/A

If yes, how?

MCSAP Project Information

State SC **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Peer Review Resource Center

Project ID: 95-41-331

Principal investigator(s) or contact(s):

Major John Valdario
South Carolina State Transport Police, (803) 731-1427
Dr. James Fraser, University of South Carolina
(803) 777-7357

Objectives/description:

Collection and distribution of information from other peer review efforts.

Findings/conclusions:

Project is ongoing.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

State/Regional/Headquarters by report/person

Were results shared with other States? Yes

If yes, how?

Report sent to each MCSAP agency

MCSAP Project Information

State SC **Total number of States involved in the project:** 2

Has the project been completed? No

Project title: International Inspectors' Competition

Project ID: 95-45-333

Principal investigator(s) or contact(s):

Major John Valdario

South Carolina State Transport Police, (803) 731-1427

Tim Africa, (702) 888-9023

Objectives/description:

Reduce accidents involving commercial vehicles by improving the effectiveness of commercial vehicle inspections nationwide and internationally.

Findings/conclusions:

Project is ongoing.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? Yes

If yes, where and when?

To a steering committee.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

State/Regional/Headquarters by report/person

Were results shared with other States? Yes

If yes, how?

Statistical report to MCSAP agencies.

MCSAP Project Information

State WI **Total number of States involved in the project:** 5

Has the project been completed? No

Project title: Heka Brake Tester

Project ID:

Principal investigator(s) or contact(s):

Lt. Lyle Walheim
Wisconsin State Police
(608) 266-0305

Objectives/description:

The objective of the project was to evaluate new brake testing equipment.

Findings/conclusions:

There have been some problems associated with the project, especially support problems with the contracting company. They are awaiting permanent installation of the test equipment.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

Other states involved in the project.

MCSAP Project Information

State WV **Total number of States involved in the project:** 2

Has the project been completed? No

Project title: Test a mobile inspection trailer

Project ID: 93-54-333

Principal investigator(s) or contact(s):

Bob R. Brooks
West Virginia Public Service Commission
(304) 340-0453

Objectives/description:

The objective of this project was to field test the Nepean Roller Dynamometer brake testing machine which would expedite commercial vehicle inspections.

Findings/conclusions:

There have been problems associated with the machine and it is being sent back to Australia for reconditioning. The project is being done in conjunction with a similar device in Ohio.

Project funding information:

100 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Regular progress reports were sent.

Were results shared with other States? Yes

If yes, how?

In conjunction with Ohio.

MCSAP Project Information

State UT **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Safety Enforcement Metro Inspection (SEMI)

Project ID:

Principal investigator(s) or contact(s):

Deputy Jack Terry, Salt Lake County, (801) 599-4240

Officer Brickley Jones, Salt Lake City Police Department, (801) 558-1980

Objectives/description:

Lower commercial motor vehicle (CMV) accident rate in Salt Lake County area. In addition, voluntary compliance with the FMCSR's through education processes.

Findings/conclusions:

Accidents involving CMV's appear to have been reduced, and many companies seek out information to achieve voluntary compliance.

Project funding information:

80 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

20 percent funded through State funds

Was there a final written report?

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

At State level through monthly reports.

Were results shared with other States? No

If yes, how?

No, however the success of the program was discussed at CVSA conventions.

MCSAP Project Information

State CA **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Bilingual Training

Project ID: 95-06-001

Principal investigator(s) or contact(s):

Captain Manny Padilla or Sergeant Stephen Bell
California Highway Patrol, (916) 445-1865

Objectives/description:

Primarily, the goal of this project was to ensure the completion of inspection activities conducted on vehicles with drivers with limited English speaking abilities. As a secondary goal, to foster international relations and further the goals of the North American Free Trade Agreement (NAFTA).

Findings/conclusions:

At the conclusion of the grant activities (Sept. 96) a comprehensive report will be completed and provided to interested parties, including FHWA.

Project funding information:

80 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

20 percent funded through State funds

Was there a final written report? No

Were presentations conducted? Yes

If yes, where and when?

FHWA and States bordering Mexico were contacted and information shared.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Results from training classes have been shared with FHWA.

Were results shared with other States? Yes

If yes, how?

States bordering Mexico were contacted and information shared.

MCSAP Project Information

State MD **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: FHWA Rotational Employee

Project ID: 95-24-552

Principal investigator(s) or contact(s):

John Rotz

Maryland Department of Transportation

(410) 582-5735

Objectives/description:

To provide state perspective/support for CVISN outreach nationally.

Findings/conclusions:

Positive support by enforcement and industry as a result of this educational outreach.

Project funding information:

80 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

20 percent funded through State funds

Was there a final written report? No

Were presentations conducted? Yes

If yes, where and when?

Presentations at 8-10 states and CVSA to promote CVISN.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Employee was working in D.C. every day.

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State WA **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Mobile Computer Network

Project ID: 93-53-333, 94-53-001, 95-53-001

Principal investigator(s) or contact(s):

Mike Weldin, Washington State Patrol, (360) 753-0289

Objectives/description:

Transmit safety inspections from an officer's laptop computer in the patrol vehicle to the SAFETYNET file server.

Findings/conclusions:

Still in development stage at end of grant period.

Project funding information:

80 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

20 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Region - written report

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State None **Total number of States involved in the project:** 9

Has the project been completed? No

Project title: Development, Evaluation, and Application of Performance-based Brake Testing Devices

Project ID:

Principal investigator(s) or contact(s):

Bill Mahorney, HSA-20, (202) 366-6515 or
Paul Alexander, HSA-30, (202) 366-5881

Objectives/description:

The Office of Motor Carriers contracted with Battelle Memorial Institute to review current brake inspection/testing equipment and technologies used in the U.S., Canada, Europe, and Australia.

Findings/conclusions:

The project is 35 percent complete. Recently published Interim Report on first three brake testing technologies and have set interim MCSAP eligibility requirements for purchase.

Project funding information:

67 percent funded through MCSAP Research and Development funds

33 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? Yes

If yes, where and when?

There have been numerous presentations given to share progress of the project, including CVSA conferences in 1994 and 1995, and a demonstration in early 1996 at the U.S. /Mexican border during a visit by Secretary of Transportation Frederico Pena.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Presentation to Mr. George Reagle in early 1996 regarding interim findings. In addition, members of OMC are part of the technical work group overseeing progress of the project.

Were results shared with other States? Yes

If yes, how?

Through CVSA conferences. In addition, upon completion of the interim report, a letter to all

MCSAP Project Information

MCSAP lead agencies was drafted and sent to inform them of the findings.

MCSAP Project Information

State IA **Total number of States involved in the project:**

Has the project been completed? No

Project title: Commercial Vehicle Information System Grant Activity

Project ID:

Principal investigator(s) or contact(s):

Michael Isebrand, State Program Specialist
Office of Motor Carriers
(515) 233-1775

Objectives/description:

Determine the feasibility of electronically linking motor carrier data systems (i.e. SAFETYNET, MCMIS, etc.) with commercial motor vehicle registration systems to create a central clearinghouse for states to check safety fitness incidental to processing commercial motor vehicle registration applications.

Findings/conclusions:

Project is ongoing and involves several states. This is a large project encompassing several millions of dollars from many different sources.

Project funding information:

50 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State ID **Total number of States involved in the project:** 2

Has the project been completed? No

Project title: Application of Notepad/Pen Computer Technology in Roving Unit Operations

Project ID:

Principal investigator(s) or contact(s):

Saundra DeKlotz
Idaho Department of Law Enforcement
State Police Division, (208) 884-7220

Objectives/description:

To provide access to the SAFETYNET database maintained by the FHWA.

Findings/conclusions:

This project was the basis for much of the software that became ASPEN. The project may have been funded by R & D funds originally, but is now funded through ITS.

Project funding information:

50 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? Yes

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State MN **Total number of States involved in the project:** 5

Has the project been completed? No

Project title: Commercial Vehicle Information System (CVIS)

Project ID:

Principal investigator(s) or contact(s):

Paul Schoen
Minnesota State Patrol
(612) 296-5949

Objectives/description:

Determine the feasibility of electronically linking motor carrier data systems (i.e. SAFETynet, MCMIS, etc.) with commercial motor vehicle registration systems to create a central clearinghouse for states to check safety fitness incidental to processing commercial motor vehicle registration applications.

Findings/conclusions:

Project is ongoing and involves several states. This is a large project encompassing several millions of dollars from many different sources.

Project funding information:

50 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State MA **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Urban Rush Hour Enforcement Program

Project ID:

Principal investigator(s) or contact(s):

Captain Gary Burns
Massachusetts State Police
(508) 369-1005

Objectives/description:

Purpose was to develop the most feasible method of conducting commercial vehicle enforcement in a metropolitan environment during "rush hours."

Findings/conclusions:

Program was a huge success. Enforcement was conducted with the use of helicopters, motorcycles, etc.

Project funding information:

0 percent funded through MCSAP Research and Development funds

100 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted?

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Required reports were sent.

Were results shared with other States?

If yes, how?

MCSAP Project Information

State MS **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Mississippi No-zone Project

Project ID:

Principal investigator(s) or contact(s):

Mr. Don Bennett, Mississippi Public Service Commission, (601) 961-5465

Objectives/description:

Main objective was to educate automobile drivers on how to share the road safely with commercial motor vehicles.

Findings/conclusions:

Display at Mississippi State Fair attended by over 5,000 people. Governor proclaimed June 3-7, 1996 as "International Highway Transportation Safety Week" to promote highway safety awareness.

Project funding information:

0 percent funded through MCSAP Research and Development funds

100 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

Mississippi State Fair to educate people about safety awareness.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States?

If yes, how?

MCSAP Project Information

State NH **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Laptop Computer Pilot Project

Project ID:

Principal investigator(s) or contact(s):

Corporal Wayne Peasley
New Hampshire State Police
(603) 271-1026

Objectives/description:

Project was begun in 1987 with the intention of computerizing the preparation of the roadside inspection form and eliminate the data entry process.

Findings/conclusions:

The project was a success but has since been discontinued with the arrival of ASPEN.

Project funding information:

0 percent funded through MCSAP Research and Development funds

100 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State OR **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Woodburn Commercial Drivers License Hook Up (CDLIS)

Project ID:

Principal investigator(s) or contact(s):

Deb Bliven, (503) 378-2962 or

Ron Jones, (503) 373-0771

Objectives/description:

Place computers and lines in inspection bays to facilitate access and verification of driver's CDL status to national database.

Findings/conclusions:

Computers were installed, ODOT Motor Carrier Enforcement (MCEO) personnel given access ID numbers, training manual written, distributed to POEs, training conducted with MCEO personnel at POEs.

Project funding information:

0 percent funded through MCSAP Research and Development funds

100 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? Yes

If yes, where and when?

Computers were installed in 1994. Training given to MCEO staff at POEs November and December 1995.

Were results shared with the Office of Motor Carriers? Unknown

If yes, how were they shared with OMC?

Were results shared with other States? Unknown

If yes, how?

MCSAP Project Information

State VA **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Traffic Enforcement Pilot Program

Project ID: 91-51-555

Principal investigator(s) or contact(s):

Lt. H.B. Bridges, VA State Police, (804) 378-3489

Objectives/description:

Conduct probable cause traffic stops coupled with Level 2 and 3 inspections.

Findings/conclusions:

Program was successful and has been expanded since then.

Project funding information:

0 percent funded through MCSAP Research and Development funds

100 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Results were sent to the State Director.

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State WV **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Out-of-service verification

Project ID:

Principal investigator(s) or contact(s):

Bob R. Brooks
West Virginia Public Service Commission
(304) 340-0453

Objectives/description:

West Virginia keeps its weigh stations open for 8 hours a day, and there was concern drivers put out-of-service (OOS) were leaving the weigh station after inspection personnel left. A cooperative study was undertaken with the West Virginia Highway Patrol to evaluate this concern.

Findings/conclusions:

Utilizing fixed-wing aircraft and other resources, it was found that around 25 percent of a sample of 298 OOS drivers violated their OOS status, resulting in arrests and fines. As a counter measure, penalties for such actions were written on a card and given to each OOS driver. This resulted in a drastic reduction in OOS violations, to under 4 percent.

Project funding information:

0 percent funded through MCSAP Research and Development funds

100 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

The project was shared with MCSAP and CVSA people. It has been recommended by CVSA.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

Through CVSA

MCSAP Project Information

State AZ Total number of States involved in the project: 4

Has the project been completed? No

Project title: Prototype State Medical Review Program

Project ID:

Principal investigator(s) or contact(s):

Mr. Bob Ivan, Motor Vehicle Division
Arizona Department of Transportation
(602) 255-7039

Objectives/description:

Explore the development of administrative medical review procedures for states to implement as part of the CDL issuance process.

Findings/conclusions:

The program has been successful is going to be expanded. A final report will be out the Fall of 1996.

Project funding information:

0 percent funded through MCSAP Research and Development funds

100 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? Yes

If yes, where and when?

The program has used for statewide training as part of the CDL issuance process.

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

States involved in the project (AZ, AL, IN, UT)

MCSAP Project Information

State CA **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Drug Recognition Evaluation

Project ID: 95-06-001

Principal investigator(s) or contact(s):

Captain Manny Padilla or Sergeant Stephen Bell
California Highway Patrol, (916) 445-1865

Objectives/description:

To train commercial inspection personnel in the identification of impaired operators and the identification of illegal drug transportation indicators.

Findings/conclusions:

Ongoing project.

Project funding information:

0 percent funded through MCSAP Research and Development funds

100 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? N/A

If yes, how were they shared with OMC?

Were results shared with other States? N/A

If yes, how?

MCSAP Project Information

State CT **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Inspection Repair Audit Program

Project ID:

Principal investigator(s) or contact(s):

Sergeant Rudolph Supina, MCSAP Coordinator
Connecticut Department of Motor Vehicles
(860) 528-6388

Objectives/description:

The objective of the project is to conduct a follow-up inspections for the purpose of determining corrective action to be taken on out-of-service violations discovered at roadside inspections.

Findings/conclusions:

Two inspectors are assigned full time to this project. Special attention is paid to carriers that show a consistent pattern of non-compliance with the FMCSR or the HMR.

Project funding information:

0 percent funded through MCSAP Research and Development funds

100 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Quarterly reports to OMC in Glastonbury, CT

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State CT **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: US DOT Number and Marking Requirement for Intrastate carriers

Project ID:

Principal investigator(s) or contact(s):

Sergeant Rudolph Supina, MCSAP Coordinator
Connecticut Department of Motor Vehicles
(860) 528-6388

Objectives/description:

The principal reason for a uniform numbering system is that carriers be uniformly identified whether they are interstate or intrastate, or if they change from one status to the other.

Findings/conclusions:

This program was fully implemented in October, 1995 and has been a great success to date. Some of the benefits of the program include existing data is cleaned up, fits ground work for intrastate CR's, will be a help in developing many CVISN principles, will develop ISS rating and profiles for intrastate carriers, makes intrastate inspections "uploadable", makes intrastate carriers aware of the requirements of CFR 49 FMCSR's, and there has been no negative feedback from carriers.

Project funding information:

0 percent funded through MCSAP Research and Development funds

100 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Reports submitted to OMC in Glastonbury, CT

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State MD **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Law Enforcement and Truckers for Safety

Project ID: 95-24-333

Principal investigator(s) or contact(s):

John Rotz, (410) 582-5735 or

Major Ray Cotton, (410) 974-2042

Maryland Department of Transportation

Objectives/description:

To develop a national program to form ride sharing between truckers and troopers to identify unsafe driving actions and improve relations.

Findings/conclusions:

Positive response by over 20 states and their industry partners. Data has not yet been analyzed.

Project funding information:

0 percent funded through MCSAP Research and Development funds

100 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Regular reports have been sent.

Were results shared with other States? Yes

If yes, how?

Through states participating in the project.

MCSAP Project Information

State ND **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: National Governors Association Crash Information

Project ID: 95-38-888

Principal investigator(s) or contact(s):

Major Doyle Schulz, ND Highway Patrol, (701) 328-2455

Technical Information, Mr. Kurt Schmidt

Objectives/description:

Develop ability to transfer motor carrier crashes from State mainframe to SAFETYNET.

Findings/conclusions:

Project ends September 30, 1996.

Project funding information:

0 percent funded through MCSAP Research and Development funds

100 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? N/A

If yes, how were they shared with OMC?

Were results shared with other States? N/A

If yes, how?

MCSAP Project Information

State CO **Total number of States involved in the project:** 5

Has the project been completed? Yes

Project title: Commercial Vehicle Enforcement Project (CVEPP)

Project ID:

Principal investigator(s) or contact(s):

The Captain who coordinated this project has since retired.

Objectives/description:

The project was designed to enhance existing motor carrier safety efforts while the office was on "routine" patrol versus a focused type of enforcement on commercial motor vehicles (CMVs).

Findings/conclusions:

Manpower problems were associated with the project. In some cases, other traffic problems were forgotten in order to concentrate on CMVs. A significant decrease in CMV accidents occurred during the project.

Project funding information:

0 percent funded through MCSAP Research and Development funds

80 percent funded through MCSAP Basic funds

20 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Unknown

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Lt. Robinson of the California Highway Patrol

Were results shared with other States? Unknown

If yes, how?

MCSAP Project Information

State OR **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Enhanced Traffic Enforcement (VASCAR)

Project ID:

Principal investigator(s) or contact(s):

Paul Henry, (503) 378-6736

Objectives/description:

Purchase 20 VASCAR speed detection units for Oregon State Police (OSP), and to provide training to OSP certified inspectors in the use of VASCAR for commercial vehicle speed enforcement.

Findings/conclusions:

Concluded that non-signal emitting devices, such as VASCAR, is effective in detecting speeding commercial vehicle drivers.

Project funding information:

0 percent funded through MCSAP Research and Development funds

80 percent funded through MCSAP Basic funds

20 percent funded through State funds

Was there a final written report? No, part of FFY-95 SEP

Were presentations conducted?

If yes, where and when?

Were results shared with the Office of Motor Carriers?

If yes, how were they shared with OMC?

Were results shared with other States?

If yes, how?

MCSAP Project Information

State MD **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Share the Road in Maryland

Project ID: 95-24-551

Principal investigator(s) or contact(s):

John Rotz
Maryland Department of Transportation
(410) 582-5735

Objectives/description:

To increase public awareness of No-zone campaign with local media, radio, fairs, driving schools.

Findings/conclusions:

Exit survey by vendor not yet complete.

Project funding information:

0 percent funded through MCSAP Research and Development funds

80 percent funded through MCSAP Basic funds

20 percent funded through State funds

Was there a final written report? Not yet

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? No

If yes, how were they shared with OMC?

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State MD **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Drug Interdiction Assistance Program (DIAP)

Project ID:

Principal investigator(s) or contact(s):

John Rotz
Maryland Department of Transportation
(410) 582-5735

Objectives/description:

To test new drug interdiction technologies and provide training in drug interdiction and diversion.

Findings/conclusions:

Project is not complete.

Project funding information:

0 percent funded through MCSAP Research and Development funds

80 percent funded through MCSAP Basic funds

20 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? N/A

If yes, how were they shared with OMC?

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State MD **Total number of States involved in the project:** 6

Has the project been completed? No

Project title: Motor Coach Training

Project ID: 96-24-888

Principal investigator(s) or contact(s):

John Rotz

Maryland Department of Transportation

(410) 582-5735

Objectives/description:

Train law enforcement officers and inspectors from MD, D.C., PA, DE, VA, and WV in bus inspections and bus crash reconstruction.

Findings/conclusions:

Training began 10/16/96 to be completed mid December. No conclusions yet.

Project funding information:

0 percent funded through MCSAP Research and Development funds

80 percent funded through MCSAP Basic funds

20 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Members of OMC present at training.

Were results shared with other States? Yes

If yes, how?

This entire training program is being shared with the 5 surrounding states.

MCSAP Project Information

State WA **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Hazardous Material Strike-Force

Project ID:

Principal investigator(s) or contact(s):

Mike Weldin, Washington State Patrol, (360) 753-0289

Objectives/description:

Selected group of officers will enforce hazardous material regulations at different sites around the State.

Findings/conclusions:

Need for continued hazardous material emphasis.

Project funding information:

0 percent funded through MCSAP Research and Development funds

80 percent funded through MCSAP Basic funds

20 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Report to Region/State

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State OR **Total number of States involved in the project:** 3

Has the project been completed? No

Project title: Idaho/Oregon/Utah (I.O.U.) Project

Project ID:

Principal investigator(s) or contact(s):

Paul Henry, (503) 378-6736

Ken Evert, (503) 378-6054

Objectives/description:

Develop a plan for utilizing today's technology to create a "seamless" highway corridor along I-84.

Findings/conclusions:

This project is progressing. To date an architecture has been developed for a regional permit electronic "clearing house" and a M.O.U. for permit operational requirements.

Project funding information:

0 percent funded through MCSAP Research and Development funds

50 percent funded through MCSAP Basic funds

50 percent funded through State funds

Was there a final written report? No

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Regional OMC person attended all working group meetings.

Were results shared with other States? Yes

If yes, how?

State of Washington through meetings and collaborative presentations.

MCSAP Project Information

State OR **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Variant Site Roadside Inspection Authority

Project ID:

Principal investigator(s) or contact(s):

David McCane, (503) 373-0884

Objectives/description:

Contact motor carriers and CMV's that do not normally cross fixed scale/inspection sites by initiating legislation to allow roadside inspections by department staff.

Findings/conclusions:

Safety Regulation 825.250 - Authority to stop for inspection. Inspections for the period 1/1/94 - 12/31/95 at scale locations resulted in 24.84% vehicle out of service and 5.37% driver out of service. Inspections for the period 1/1/94 - 12/31/95 at non-scale locations resulted in 24.02% vehicle out of service and 4.27% driver out of service.

Project funding information:

0 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

100 percent funded through State funds

Was there a final written report? No

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? No

If yes, how were they shared with OMC?

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State CT **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Medical Waiver Program

Project ID:

Principal investigator(s) or contact(s):

Sergeant Michael Davidson
Connecticut Department of Motor Vehicles
(860) 528-7161

Objectives/description:

This program issues intrastate medical waivers to drivers of commercial motor vehicles and certain other vehicles.

Findings/conclusions:

The project is ongoing. All applicants must successfully complete all phases of the medical waiver process in order to obtain a medical waiver. This program mirrors the Federal waiver program.

Project funding information:

0 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

100 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Quarterly reports to OMC in Glastonbury, CT

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State AK **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Reinspection/Out-of-Service Verification

Project ID:

Principal investigator(s) or contact(s):

Sergeant Brad Brown, Alaska State Troopers, (907) 278-1779

Objectives/description:

To ensure compliance with CMV regulations through verification of repairs.

Findings/conclusions:

Every Tuesday of the week, reinspections are scheduled for those vehicles placed out-of-service and who have made repairs. For equipment not OOS, companies can check off repairs made and return report to enforcement unit. Spot checks are made on equipment. The report form contains necessary information to advise carriers it is a crime to operate OOS vehicle/driver. Funding is incorporated with regular program.

Project funding information:

0 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Initially with Region 10 OMC.

Were results shared with other States? Yes

If yes, how?

Verbally at conferences.

MCSAP Project Information

State AL Total number of States involved in the project:

Has the project been completed? Yes

Project title: Technical Working Group

Project ID: 94-01-555

Principal investigator(s) or contact(s):

Angie Marzano

Alabama Department of Public Safety

Motor Carrier Safety Unit, (334) 242-4395

Objectives/description:

Committee to guide the national development and strategies for automated road check data collection and communications.

Findings/conclusions:

Mike Blevins, FHWA, Field Systems Group, Lakewood, CO, (303) 969-5140 ext. 430 is responsible for the final report of the project. Source of funding is 100 percent IVHS grant allocation.

Project funding information:

0 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State AL **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Medical Prototype Program

Project ID:

Principal investigator(s) or contact(s):

H. Spain
CDL Coordinator
(334) 242-4235

Objectives/description:

To monitor DOT medical long forms for accuracy pertaining to certification; to re-familiarize physicians with DOT medical qualifications so that they would be able to certify drivers as medically qualified only when the drivers, indeed, were tested for and met DOT medical qualifications.

Findings/conclusions:

There were vast numbers of physicians who were signing drivers as DOT medically qualified when 1) tests were not conducted so that eligibility could be determined, and 2) drivers were clearly not qualified as per information recorded on the form. Conclusion was that there exists (still) a need for educating physicians about DOT medical qualifications, and/or reiterating the importance of the DOT medical forms being completed properly and drivers being certified (or not) accordingly. Source of funding is unknown.

Project funding information:

0 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

While project was ongoing, there was a conference held in Virginia and hosted by FHWA in which participating states shared ideas and information.

Were results shared with the Office of Motor Carriers? Unknown

If yes, how were they shared with OMC?

Not on the state level, unknown if others.

MCSAP Project Information

Were results shared with other States? Yes

If yes, how?

Telephone conferences were held monthly while project was ongoing.

MCSAP Project Information

State ID **Total number of States involved in the project:**

Has the project been completed? Yes

Project title: MCSAP Quality Improvement Team (QIT) Survey Project

Project ID: 95-16-333

Principal investigator(s) or contact(s):

Saundra DeKlotz

Idaho Department of Law Enforcement

State Police Division, (208) 884-7220

Objectives/description:

The goal of the project was to measure customer satisfaction through the use of a survey instrument.

Findings/conclusions:

Two surveys were completed, but the third survey was canceled. A final report was completed, and the project was successful. The project was not funded through R & D funds.

Project funding information:

0 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? Yes

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State NE **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Random Roadside and Alcohol Testing

Project ID:

Principal investigator(s) or contact(s):

Doug Donscheski, MCSAP Coordinator
Nebraska State Patrol, (402) 471-0105

Objectives/description:

To develop and test roadside procedures which will most efficiently screen drivers for drug/alcohol violations, and initiate disqualification proceedings against any driver whose tests indicate a .04 percent or higher alcohol content or the presence of controlled substances.

Findings/conclusions:

Funding source and other information unknown.

Project funding information:

0 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report?

Were presentations conducted?

If yes, where and when?

Were results shared with the Office of Motor Carriers?

If yes, how were they shared with OMC?

Were results shared with other States?

If yes, how?

MCSAP Project Information

State NE **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Hazardous Material Training

Project ID:

Principal investigator(s) or contact(s):

Doug Donscheski, MCSAP Coordinator
Nebraska State Patrol, (402) 471-0105

Objectives/description:

Findings/conclusions:

Funding source and other information unknown.

Project funding information:

0 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report?

Were presentations conducted?

If yes, where and when?

Were results shared with the Office of Motor Carriers?

If yes, how were they shared with OMC?

Were results shared with other States?

If yes, how?

MCSAP Project Information

State IA **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Combination Traffic and Drug Interdiction Program

Project ID:

Principal investigator(s) or contact(s):

Michael Isebrand, State Program Specialist
Office of Motor Carriers
(515) 233-1775

Objectives/description:

Program was developed to train a core group of officers in commercial vehicle enforcement and drug interdiction activities.

Findings/conclusions:

The program has been a success and officers trained in the program are training other enforcement officers. The source of funding is a special grant from federal funds. Project is ongoing

Project funding information:

0 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? No

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? No

If yes, how?

MCSAP Project Information

State MO **Total number of States involved in the project:** 1

Has the project been completed? No

Project title: Drug Interdiction Assistance Program (DIAP).

Project ID:

Principal investigator(s) or contact(s):

Diane Roods
Missouri Department of Public Safety
(573) 751-4905

Objectives/description:

The management of this project has been taken over by Missouri from the National Training Center.

Findings/conclusions:

This is a large, ongoing project by the state of Missouri. Source of funding is not known.

Project funding information:

0 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? Yes

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Quarterly reports have been sent.

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State WI **Total number of States involved in the project:** 2

Has the project been completed? No

Project title: CVO Out-of-Service Verification Operational Test

Project ID:

Principal investigator(s) or contact(s):

Lt. Lyle Walheim
Wisconsin State Police
(608) 266-0305

Objectives/description:

To introduce an automated, real time datalink about commercial vehicles and/or drivers placed out-of-service (OOS) on a major interstate corridor (I-94) between Minnesota and Wisconsin.

Findings/conclusions:

The project has been beneficial in identifying OOS vehicles and/or drivers passing through inspection sites. However, there have been problems with the accuracy of license plate scanners used in the project, especially during inclement weather. Source of funding is through federal ITS funds.

Project funding information:

0 percent funded through MCSAP Research and Development funds

0 percent funded through MCSAP Basic funds

0 percent funded through State funds

Was there a final written report? Awaiting final report

Were presentations conducted? Yes

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

A presentation was given to members of the hours of service peer review group.

MCSAP Project Information

State OR **Total number of States involved in the project:** 1

Has the project been completed? Yes

Project title: Evaluation of Traffic Offense Convictions and Truck Accidents Involving
Waiver Drivers, 1987-1991

Project ID:

Principal investigator(s) or contact(s):

Harry Eubanks, (503) 378-4601

Objectives/description:

Compare traffic offense and accident rates for commercial drivers with physical waivers to the general population of commercial drivers.

Findings/conclusions:

Study showed that Oregon waiver drivers had conviction and accident rates significantly lower than the general commercial driver population. Source of funding unknown.

Project funding information:

percent funded through MCSAP Research and Development funds

percent funded through MCSAP Basic funds

percent funded through State funds

Was there a final written report? Yes

Were presentations conducted? No

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Report forwarded to Division office

Were results shared with other States?

If yes, how?

MCSAP Project Information

State UT **Total number of States involved in the project:** 0

Has the project been completed? Yes

Project title: Judicial Outreach and Train-the-Trainer Project

Project ID:

Principal investigator(s) or contact(s):

Lorin Larsen, Project Director
Utah Department of Public Safety
(801) 538-3400

Objectives/description:

Project provided training to State and local commercial motor vehicle enforcement officials.

Findings/conclusions:

Program was very effective and thorough. However, there was some opposition by the trucking industry. Currently, the program is not being used. Source of funding is not known.

Project funding information:

percent funded through MCSAP Research and Development funds

percent funded through MCSAP Basic funds

percent funded through State funds

Was there a final written report? Curriculum was developed.

Were presentations conducted? Yes

If yes, where and when?

With enforcement officials and CVSA

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?

MCSAP Project Information

State UT Total number of States involved in the project: 1

Has the project been completed? Yes

Project title: MCSAP Highlighter

Project ID:

Principal investigator(s) or contact(s):

Lorin Larsen, Project Director
Utah Department of Public Safety
(801) 538-3400

Objectives/description:

The MCSAP Highlighter was a bi-monthly newsletter for State, local, and Federal staff working with the MCSAP.

Findings/conclusions:

The newsletter was successful. However, the CVSA Guardian took it over. Source of funding is not known.

Project funding information:

percent funded through MCSAP Research and Development funds

percent funded through MCSAP Basic funds

percent funded through State funds

Was there a final written report? N/A

Were presentations conducted? N/A

If yes, where and when?

Were results shared with the Office of Motor Carriers? Yes

If yes, how were they shared with OMC?

Were results shared with other States? Yes

If yes, how?