

## REFERENCES

- American Trucking Associations Foundation. *SafeReturns: A Compendium of Injury Reduction and Safety Management Practices of Award Winning Carriers*. ATAF Publication No. C0938, 1999(a).
- American Trucking Associations Foundation. *Truck Driver Risk Assessment Guide and Effective Countermeasures; Recommended Management Practices*, 1999(b).
- Abdel-aty, M. A., and As-Saidi, A. H. "Using GIS to Located High-Risk Driving Population." *Proc. of the Conference Traffic Safety on Two Continents*, September 20–22, 1999, Malmo, Sweden, pp. 111–119.
- American Chemistry. "Responsible Care." [Online]. Available: <http://americanchemistry.com> [2002, October 1].
- Australian Trucking Association. "Improve Your Business with TRUCKSAFE," [Online]. Available: <http://www.trucknbus.com.au/ata> [2002, October 1].
- Baer, D. M., Wolf, M. M., and Risley, T. R. "Some Still-Current Dimensions of Applied Behavior Analysis." *Journal of Applied Behavior Analysis*, Vol. 20, 1987, pp. 313–327.
- Balkin, T., Thorne, D., Sing, H., Thomas, M., Redmond, D., Wesensten, N., Williams, J., Hall, S., and Belenky, G. Effects of Sleep Schedules on Commercial Motor Vehicle Driver Performance, Walter Reed Army Institute of Research under DOT Contract DTFH61-94-Y-00090, Report No. DOT-MC-00-133, May 2000.
- Barton, R. and Tardif, L.-P. "Implementing Successful Incentive Programs within Transport Fleets." *Proc. of the International Truck & Bus Safety & Policy Symposium*, Center for Transportation Research, University of Tennessee, and National Safety Council, Knoxville, April 3–5, 2002, pp. 45–55.
- Barton, R. and Tardiff, L. P. *Incentive Programs for Enhancing Truck Safety and Productivity*, Report No. TP 13256E, Transportation Development Centre, Montreal, Canada, 1998, 80 pp.
- Behavioral Science Technology, Inc. *Ongoing Studies of the Behavioral Accident Prevention Process® Technology* (Third Edition), BST, Inc., Ojai, CA, 1998.
- Blower, D. "Vehicle Condition and Heavy Truck Accident Involvement." *Proc. of the International Truck & Bus Safety & Policy Symposium*, Center for Transportation Research, University of Tennessee, and National Safety Council, Knoxville, April 3–5, 2002, pp. 311–322.
- Boyle, L., Meltzer, N., Hitz, J, and Knipling, R. "Case-Control Study of Large Truck Crash Risk Factors." *Proc. of the International Truck and Bus Safety and Policy Symposium*, Center for Transportation Research, University of Tennessee, and National Safety Council, Knoxville, April 3–5, 2001, pp.163–174.
- CSA International. "Carrier Safety Management Systems: Case Studies, CSA International—Transportation Services, Mississauga, Ontario, Canada, 2002, 2 pp.
- Cervone, D. and Wood, R. "Goals, Feedback, and the Differential Influence of Self-Regulatory Processes on Cognitively Complex Performance." *Cognitive Therapy & Research*, Vol. 19, No. 5, 1995, pp. 519–545.
- Chen, W., Cooper, P., and Pinili, M. "Driver Accident Risk in Relation to the Penalty Point System in British Columbia." *Journal of Safety Research*, Vol. 26, No. 1, 1995, pp. 9–18.
- Cooper, P. J., Pinili, M., and Chen, W. "An Examination of the Crash Involvement Rates of Novice Drivers Aged 16 to 55." *Accident Analysis and Prevention*, Vol. 7, No. 1, 1994, pp. 89–104.
- Cormier, W. H. and Cormier, L. S. *Interviewing Strategies for Helpers: Fundamental Skills and Cognitive Behavioral Interventions*. Brooks/Cole, Monterey, CA, 1991.
- Corsi, T. M. and Barnard, R. E. Best Highway Safety Practices: A Survey of the Safest Motor Carriers About Safety Management Practices, Final Report, FMCSA Contract No. DTFH61-98-X-00006, 2003.
- Craft, R. Large Truck Crash Causation Study: overview and preliminary data. Presentation and personal communication, 2002.
- Craft, R. The large truck crash picture. FMCSA strategic planning initiative, August 2000.
- Crum, M. R., Morrow, P. C., and Daecher, C. The Influence of Carrier Scheduling Practices on Motor Coach Driver Fatigue. *Proc. of the International Truck & Bus Safety & Policy Symposium*, Center for Transportation Research, University of Tennessee, and National Safety Council, Knoxville, April 3–5, 2002, pp. 327–340.
- Daniels, A. C. *Performance Management*. Performance Management Publications, Tucker, GA., 1989.
- Deery, H. A. and Fildes, B. N. "Young Novice Driver Subtypes: Relationship to High-Risk Behavior, Traffic Accident Record, and Simulator Driver Performance." *Human Factors*, Vol. 41, No. 4, 1999, pp. 628–643.
- Dewer, R. E. and Olson, P. L. *Human Factors in Traffic Safety*. Lawyers & Judges Publishing Company, Inc., ISBN 0-913875-47-3, 2002.
- Dinges, D. F., Mallis, M. M., Maislin, G. M., and Powell, J. W. *Evaluation of Techniques for Ocular Measurement as an Index of Fatigue and the Basis for Alertness Management*. NHTSA Report No. DOT HS 808 762, April 1998.
- Dingus, T. A., Neale, V. L., Garness, S. A., Hanowski, R. J., Keisler, A. S., Lee, S. E., Perez, M. A., Robinson, G. S., Belz, S. M., Casali, J. G., Pace-Schott, E. F., Stickgold, R. A., Hobson, J. A. *Impact of Sleeper Berth Usage on Driver Fatigue*. Final Report, NHTSA Contract No. DTFH61-96-00068, 2001.
- Drew, T. "Carrier Safety Management Systems . . . A Collaborative Approach to Carrier Safety," Presented at the International Truck and Bus Safety Research and Policy Symposium, Knoxville, TN, April 3–5, 2002.
- Driver's Alert. "Driver's Alert: 24 Hour Vehicle Monitoring Safety Management System," [Online]. Available: <http://www.driveralert.com> [2002].
- Federal Highway Administration Office of Motor Carriers. *Assessing the Adequacy of Commercial Motor Vehicle Driver Training: Final Report*, Volume 1, Executive Summary, FHWA-MC-96-011, July 1995.

- Federal Motor Carrier Safety Administration. "Bus Driver Fatigue and Stress Issues Study." Tech Brief. Publication No. FMCSA-MCRT-01-004. February 2001.
- Federal Highway Administration Office of Motor Carriers. *Driver-Related Factors in Crashes Between Large Trucks and Passenger Vehicles*, Analysis Brief, MCRT-99-011, April 1999a.
- Federal Highway Administration Office of Motor Carriers. *The Unsafe Driving Acts of Motorists in the Vicinity of Large Trucks*, Tech Brief, MCRT-00-002, November 1999b.
- Federal Motor Carrier Safety Administration. Driver, vehicle, and roadside strategies for 2010; focus group summary. Tech Brief, in press, 2002.
- Federal Motor Carrier Safety Administration. *Drug and Alcohol Testing Survey—1999 Results*. Analysis Brief, Publication No. FMCSA-MCRT-01-008, 2001.
- Federal Motor Carrier Safety Administration. FMCSA Research & Technology Annual Report; *Share the Road Safely*; Publication No. FMCSA-RT-02-001, 2001.
- Geller, E. S. *The Psychology of Safety Handbook*. CRC Press, Boca Raton, FL, 2001.
- Geller, E. S. *The Participation Factor: How to Increase Involvement in Occupational Safety*. American Society of Safety Engineers. Des Plaines, IL, 2002.
- Geller, E. S. and Clarke, S. W. "Safety Self-Management: A Key Behavior-Based Process for Injury Prevention." *Professional Safety*, Vol. 44, No. 7, 1999, pp. 29–33.
- Geller, E. S. and Hahn, H. A. "Promoting Safety Belt Use at Industrial Sites: An Effective Program for Blue Collar Employees." *Professional Psychology: Research and Practice*, Vol. 15, No. 4, 1984, pp. 553–564.
- Gertler, J., Popkin, S., Nelson, D., and O'Neil, K. *Transit Cooperative Research Program Report 81: Toolbox for Transit Operator Fatigue*. The National Academies, TRB, Washington, D.C., 2002.
- Grace, R. and Suski, V. "Improving Safety for Drivers and Fleets: Historical and Innovative Approaches" [June 18–19, 2001 conference in Pittsburgh sponsored by the 21st Century Driver and Truck Alliance]. International Driving Symposium on Human Factors in Driving Assessment and Vehicle Design, Aspen, CO, August 14–17, 2001.
- Guastello, S. J. "Do We Really Know How Well Our Occupational Accident Prevention Programs Work?" *Safety Science*, Vol. 16, 1993, pp. 445–463.
- Hanowski, R. J., Carroll, R. J., Wierwille, W. W., and Olson, R. L. Light vehicle-heavy vehicle interactions: a preliminary assessment using critical incident analysis. *Proc. of the Human Factors and Ergonomic Society 46th Annual Meeting*, 2002, pp. 1844–1847.
- Hanowski, R. J., Keisler, A. S., and Wierwille, W. W. *Study of Light Vehicle-Heavy Vehicle Interaction, Phase A: Study of Light Vehicle-Local/Short Haul Vehicle Interaction*. FMCSA Final Report, Contract DTFH61-96-C-00105, 2001.
- Hanowski, R. J., Wierwille, W. W., Garness, S. A., and Dingus, T. A. *Impact of Local/Short Haul Operations on Driver Fatigue*. FMCSA Final Report, Contract DTFH61-96-C-00105, 2000.
- Hantula, D. A., Rajala, A. K., Kellerman, E. G., and Bragger, J. L. "The Value of Workplace Safety: A Time-Based Utility Analysis Model." *Journal of Organizational Behavior Management*, Vol. 21, No. 2, 2001, pp. 79–97.
- Heinrich, H., Peterson, D., and Roos, N. *Industrial Accident Prevention* (5th Ed.) McGraw Hill, New York, NY, 1980.
- Heins, E. D., Lloyd, J. W., and Hallahan, D. P. "Cued and Noncued Self-Recording of Attention to Task." *Behavior Modification*, Vol. 10, 1986, pp. 235–254.
- Hickman, J. S. and Geller, E. S. (under review). "A Self-Management for Safety Intervention to Increase Safe Driving Among Short-Haul Truck Drivers." *Journal of Organizational Behavior Management*.
- Holmes, S. M. and Power, M. L. "A Motor Carrier Wellness Program: Development and Testing." *Transportation Journal*, 1996, pp. 31–48.
- Johnson, J. "How's my Driving?" *Transportation Topics*, No. 3305, December 7, 1998, p. 8.
- Johnson, K. "Are Entry-Level Drivers Safe." *Traffic Safety*, Vol. 97, No. 2, 1997, pp. 22–25.
- Kazdin, A. E. "Evaluation in Clinical Practice: Clinically Sensitive and Systematic Methods of Treatment Delivery." *Behavior Therapy*, Vol. 24, 1993, pp. 11–45.
- Kirschenbaum, D. S., Ordman, A. M., Tomarken, A. J., and Holtzbauer, R. "Effects of Differential Self-Monitoring and Level of Mastery of Sports Performance: Brain Power Bowling." *Cognitive Therapy and Research*, Vol. 6, 1982, pp. 335–342.
- Knipling, R. R. The technologies, economics, and psychology of commercial motor vehicle driver fatigue monitoring. *Proc. of ITS America's Eighth Annual Meeting and Exposition*. Intelligent Transportation Society of America, Detroit, 1998.
- Knipling, R. R. and Olsford, P. J. Prospectus: the behavioral power of on-board safety monitoring feedback. *Proc. of the 10th Annual Meeting of the Intelligent Transportation Society of America (ITS America)*, Boston, May 1–4, 2000.
- Knipling, R. R. and Shelton, T. T. Problem size assessment: large truck crashes related primarily to driver fatigue. *Proc. of the Second International Large Truck Safety Symposium*, E01-2510-002-00, University of Tennessee Transportation Center, Knoxville, October 6–8, 1999.
- Korelitz, J. J., Fernandez, A. A., Uyeda, V. J., Spivey, G. H., Browfy, B. L., and Schmidt, R. T. "Health Habits and Risk Factors Among Truck Drivers Visiting a Health Booth During a Trucker Trade Show." *American Journal of Health Promotion*, Vol. 8, No. 2, 1993, pp. 117–123.
- Krause, T. R. *The Behavior-Based Safety Process: Managing Involvement (Industrial Health and Safety)*. Van Nostrand-Reinhold, New York, NY, 1997.
- Krueger, J. R. and Van Hemel, S. B. *Effects of Loading and Unloading Cargo on Commercial Truck Driver Alertness and Performance*. Trucking Research Institute for the FMCSA, Report No. DOT-MC-01-107, May 2001.
- Lan, W. Y., Bradley, L., and Parr, G. "The Effects of a Self-Monitoring Process on College Students' Learning in an Introductory Statistics Course." *Journal of Experimental Education*. Vol. 62, No. 1, 1993, pp. 26–40.
- Leigh, J. P. and Miller, T. R. "Occupational Illness within Two National Data Sets." *International Journal of the Occupational and Environmental Health*, Vol. 4, No. 2, 1998, pp. 99–113.
- Locke, E. and Latham, G. *A Theory of Goal Setting and Task Performance*. Prentice-Hall, New Jersey, 1990.
- Ludwig, T. D. and Geller, E. S. "Improving the Driving Practices of Pizza Deliverers: Response Generalization and Moderating Effects of Driving History." *Journal of Applied Behavior Analysis*, Vol. 24, 1991, pp. 31–34.

- Ludwig, T. D. and Geller, E. S. "Managing Injury Control Among Professional Pizza Deliverers: Effects of Goal Setting and Response Generalization." *Journal of Applied Psychology*, Vol. 82, No. 2, 1997, pp. 253–261.
- Magnusson, M. L., Pope, M. H., Wilder, D. G., and Areskoug, B. "Are Occupational Drivers at an Increased Risk for Developing Musculoskeletal Disorders?" *Spine*, Vol. 21, No. 6., 1996, pp. 710–717.
- Mahoney, M. J. "Research Issues in Self-Management." *Behavior Therapy*, Vol. 3, 1972, pp. 45–63.
- Mahoney, M. J. "The Self-Management of Covert Behavior: A Case Study." *Behavior Therapy*, Vol. 2, 1996, pp. 75–78.
- Mallis, M., Maislin, G., Konowal, N., Bryne, V., Bierman, D., Davis, R., Grace, R., and Dinges, D. *Biobehavioral Responses to Drowsy Alarm and Alerting*. NHTSA Report No. DOT NS 809 202, March, 2000.
- Mayhew, D. R. and Simpson, H. M. "The Role of Driving Experience: Implications for Training and Licensing of New Drivers." Insurance Bureau of Canada, Toronto, 1995.
- Mercer Management Consulting. "Just in Time to Wait: An Examination of Best Practices for Streamlining Loading/Unloading Functions." Prepared for the Truckload Carriers Association, July, 2000.
- Mokdad, A. H., Bowman, B. A., Ford, E. S., Vinicor, F., Marks, J. S., and Koplan, J. P. "The Continuing Epidemics of Obesity and Diabetes in the United States." *Journal of the American Medical Association*, Vol. 286, No. 10, 2002, pp. 1195–1200.
- National Highway Traffic Safety Administration. *Commercial Motor Vehicle Speed Control Devices*. Report to Congress. Publication No. DOT HS 807 725, NHTSA Office of Crash Avoidance Research, 1991.
- Najm, W. G., Mironer, M., Koziol, J. S.Jr., Wang, J. S., and Knipling, R. R. *Examination of Target Vehicular Crashes and Potential ITS Countermeasures*. Report for Volpe National Transportation Systems Center, DOT HS 808 263, DOT-VNTSC-NHTSA-95-4, May, 1995.
- National Highway Traffic Safety Administration (NHTSA). *Drowsy Driving and Automobile Crashes; Report and Recommendations from the National Center on Sleep Disorders Research/NHTSA Expert Panel on Driver Fatigue and Sleepiness*. DOT HS 808 707, April, 1998.
- National Private Truck Council. "Certified Transportation Professional." [Online]. Available: <http://www.nptc.org> [2002, October 1].
- Naveh, E., A. Marcus, and G. Allen, Personal communication regarding draft study entitled "ISO 9000's Effects on Accident Reduction in the U.S. Motor Carrier Industry, Carlson School of Management, ITS Institute, University of Minnesota, Minneapolis, 2002.
- Nelson, D. E., Bland, S., Powell-Griner, E., Klein, R., Wells, H. E., Hogelin, G., and Marks, J. S. "State Trends in Health Risk Factors and Receipt of Clinical Preventive Services Among U.S. Adults During the 1990's." *Journal of the American Medical Association*, Vol. 287, No. 20, 2002, pp.2659–2667.
- North American Transportation Management Institute 2002, [Online]. Available: <http://www.natmi.org> [2002, October 1].
- Olsford, P. "Making the Difference" and "Safe Returns." *Proc. of the Second International Large Truck Safety Symposium*, E01-2510-002-00, University of Tennessee Transportation Center, Knoxville, pp. 179–87, October 6–8, 1999.
- Olson, R., and Austin, J. "Behavior-Based Safety and Working Alone: The Effects of a Self-Monitoring Package on the Safe Performance of Bus Operators." *Journal of Organizational Behavior Management*, Vol. 21, No. 3, pp. 5–43.
- O'Neil, T. R., Krueger, J. R., Van Hemel, S. B., and McGowan, A. L. Effects of Operating Practices on Commercial Driver Alertness. Trucking Research Institute for the FHWA OMC, Report No. FHWA-MC-99-140, January 1999.
- Pack, A. I., Dinges, D. F., and Maislin, G. *A Study of Prevalence of Sleep Apnea Among Commercial Truck Drivers*. Project Final Report No. FMCSA-RT-02-030, Contract No. DTFH61-93-R-00088, May 2002.
- Pack, A. I., Maislin, G., Pack, F. M., Staley, B., and Dinges, D. F. Sleep apnea and cumulative partial sleep deprivation in commercial drivers. *Third International Truck & Bus Safety Symposium*, University of Tennessee Transportation Center, Knoxville, November 7–9, 2001.
- Peck, R. C. "The Identification of Multiple Accident Correlates in High Risk Drivers with Specific Emphasis on the Role of Age, Experience, and Prior Traffic Conviction Violation History." *Alcohol, Drugs and Driving*, Vol. 9, 1993, pp. 145–166.
- Penn + Schoen Associates, Inc. *User Acceptance of Commercial Vehicle Operations (CVO) Services; Task B: Critical Issues Relating to Acceptance of CVO Services by Interstate Truck and Bus Drivers*. Final Report, Contract No. DTFH61-94-R-00182, August 8, 1995.
- Rajalin, S. "The Connection Between Risky Driving and Involvement in Fatal Accidents." *Accident Analysis and Prevention*, Vol. 26, No. 5, 1994, pp. 555–562.
- Roberts, S. and York, J. *Design, Development, and Evaluation of Driver Wellness Programs*, Final Report, FMCSA Report No. MC-00-193, June 2000.
- Safety Alert. "Fleet Monitoring and Reporting," [Online]. Available: <http://www.safetyalert.com>
- SafetyNet, Inc. "FleetSafe Program," [Online]. Available: <http://www.fleetsafe.com>, [2002].
- School Transportation News. "Safety and Money in Numbers: Phone Numbers." *School Transportation News*, Vol. 9, No. 7, 1999.
- Smith, M. J., Anger, W. K., and Ulsan, S. S. "Behavior Modification Applied to Occupational Safety." *Journal of Safety Research*, Vol. 10, 1978, pp. 87–88.
- Sohn, D. and Lanal, P. A. "Self-Reinforcement: Its Reinforcing Capability and Its Clinical Utility." *Psychological Record*, Vol. 32, 1982, pp. 179–203.
- Staplin, L., Gish, K. W., Decina, L. E., and Brewster, R. M. *Commercial Motor Vehicle Driver Retention and Safety*. Final Report, FMCSA Contract No. DTMC75-01-P-00027, September 2002.
- Stock, D. I-95 Corridor Coalition Field Operational Test 10: Coordinated Safety Management; Volume I: Best Practices in Motor Carrier Safety Management, Final Report, August 2001.
- Stuart, R. B. "Behavioral Control of Overeating." *Behaviour Research and Therapy*, Vol. 5, 1967, pp. 357–365.
- Stutts, J. C. *NCHRP Synthesis of Highway Practice 287: Sleep Deprivation Countermeasures for Motorist Safety*. The National Academies, TRB, Washington, D.C., 2000.
- Sulzer-Azaroff, B., and De Santamaria, M. C. "Industrial Safety Hazard Reduction Through Performance Feedback." *Journal of Applied Behavior Analysis*, Vol. 13, 1980, pp. 287–295.

- Taylor, G. S. An analysis of the relationship between culture, intent-to-quit, and driver accidents. *Proc. of the International Large Truck Safety Symposium*. University of Tennessee Transportation Center, Knoxville, pp. 289–294, October 1997.
- The Fund. “Reining in Road Warriors.” *The Fund*, May 1999.
- Treat, J. R., Tumbas, N. S., McDonald, S. T., Shinar, D., Hume, R. D., Mayer, R. E., Stansifer, R. L., and Catellan, N. J. *Tri-Level Study of the Causes of Traffic Accidents: Final Report Volume I: Causal Factor Tabulations and Assessments*. Institute for Research in Public Safety, Indiana University, DOT HS-805 085, 1979.
- U.S. Department of Transportation. *Commercial Vehicle Health and Safety Study Pursuant to Section 220 of Motor Safety Act of 1984*. Report to Congress, 1988.
- Wang, J. S., Knipling, R. R., and Blincoe, L. J. The dimensions of motor vehicle crash risk. *Journal of Transportation and Statistics*. Volume 2, No. 1, pp. 19–43, ISSN 1094-8848, May 1999.
- Watson, D. L. and Tharp, R. G. *Self-Directed Behavior: Self-Modification for Personal Adjustment* (Sixth Edition). Brooks/Cole Publishing Company, Pacific Grove, CA, 1993.
- West, R., Elander, J., and French, D. “Mild Social Deviance, Type-A Behaviour Pattern and Decision-Making Style as Predictors of Self-Reported Driving Style and Traffic Accident Risk.” *British Journal of Psychology*, Vol. 84, 1993, pp. 207–129.
- Wilde, G. S. and Murdoch, P. A. “Incentive Systems for Accident-Free and Violation Free Driving in the General Population.” *Ergonomics*, Vol. 25, No. 10, 1982, pp. 879–890.
- Wilde, G. S., Saccomano, F., and Shortreed, J. “Improving Trucking Safety and Profitability Through Safety Incentive Schemes.” *Truck Safety: Perceptions and Reality*. Institute for Risk Research, University of Waterloo, 1996, pp. 21–252.
- Wylie, C. D., Shultz, T., Miller, J. C., Mitler, M. M., and Mackie, R. R. “Commercial Motor Vehicle Driver Fatigue and Alertness Study: Project Report.” Essex Corporation. FHWA Report No. FHWA-MC-97-002, November 1996.
- Zacharia, Z. G. and Richards, S. H. *2002 International Truck & Bus Safety Research & Policy Symposium; Executive Summary*, Center for Transportation Research, University of Tennessee, and National Safety Council. April 2002.
- Zohar, D., Cohen, A., and Azar, N. “Promoting Increased Use of Ear Protectors in Noise Through Information Feedback.” *Human Factors*, Vol. 22, No. 1, 1980, pp. 69–79.

Note: Reference list is incomplete.