

Michael H. Belzer

Selected Publications

Scholarly Books Published

1. *Sweatshops on Wheels: Winners and Losers in Trucking Deregulation*. New York: Oxford University Press, 2000.

Monographs Published

1. Burks, Stephen V., Michael H. Belzer, KWAN Quon, Stephanie G. Pratt, and Sandra Shackelford. 2010. *Trucking 101: An Industry Primer*. In TRB Transportation Research Circular E-C146, edited by Transportation Research Board Committee on Trucking Industry Research (AT060). Washington: Transportation Research Board. December 22. 68 pages. <http://onlinepubs.trb.org/onlinepubs/circulars/ec146.pdf>
2. *Truck Driver Occupational Safety and Health: 2003 Conference Report and Selective Literature Review*. With Gregory M. Saltzman. Washington, DC: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health (NIOSH), Department of Health and Human Services Publication No. 2007-120. 2007. 117 pages. <http://www.cdc.gov/niosh/docs/2007-120/>
3. *Paying the Toll: Economic Deregulation of the Trucking Industry*. Washington, D.C.: Economic Policy Institute. 1994. Briefing and Working Papers Series.

Book Chapters

1. "Labor and Human Resources in the Freight Industry." In *Intermodal Transportation: Moving Freight in a Global Economy*. Lester Hoel, Genevieve Giuliano, and Michael Meyer, editors. Publisher: Eno Transportation Foundation, Inc. May 2011.
2. "The Next Move: Metropolitan Regions and the Transformation of the Freight Transport and Distribution System." With Susan Christopherson. In *Urban and Regional Policy and Its Effects*, edited by Nancy Pindus, Howard Wial, and Harold Wolman. Brookings Institution Press. 2009.
3. "The Effects of Trucking Firm Financial Performance on Safety Outcomes." With Marta S. Rocha and Daniel A. Rodriguez. In *Transportation Labor Issues and Regulatory Reform*. James H. Peoples and Wayne K. Talley eds. Research in Transportation Economic Series. Rotterdam, The Netherlands: Elsevier Science Publishers, 2004, pp. 35-55.
4. "Trucking: Collective Bargaining Takes a Rocky Road." In *Collective Bargaining in the Private Sector*, edited by Paul F. Clark, John T. Delaney, and Ann C. Frost. Champaign, IL: Industrial Relations Research Association, 2002, pp. 311-342.
5. "Commentary on Railroad Deregulation and Union Labor Earnings." In *Regulatory Reform and Labor Markets*, edited by James Peoples. Norwell, MA: Kluwer Academic Publishers, 1997, pp. 155-182.
6. "Labor Market Regulation: Balancing the Benefits and Costs of Competition." With Dale Belman. In *Government Regulation of the Employment Relationship*, edited by

Bruce Kaufman. Madison, Wisconsin: Industrial Relations Research Association, 1997, pp. 179-220.

7. "The Motor Carrier Industry: Truckers and Teamsters under Siege." In *Contemporary Collective Bargaining in the Private Sector*, edited by Paula B. Voos. Madison, Wisconsin: Industrial Relations Research Association, 1994, pp. 259-302.

Peer-Reviewed Journal Articles Published

1. "Tolling and Economic Efficiency: Do the pecuniary benefits exceed the safety costs?" With Peter F. Swan. *Public Works Management & Policy* Vol.18, No.2: pp 167–84. 2013. Published online before print September 26, 2012.
<http://pwm.sagepub.com/content/early/2012/09/26/1087724X12461143.abstract>
2. "Environmental determinants of obesity-associated morbidity risks for truckers." *International Journal of Workplace Health Management*, Vol. 5 Iss: 2 pp. 120 - 138. With Yorghos Apostolopoulos, Sevil Sönmez, and Mona M Shattell, 2012.
3. "Supply Chain Security: Agency Theory and Port Drayage Drivers." With Peter F. Swan. *The Economic and Labour Relations Review* Vol. 22, No.1: pp 1-23. 2011.
4. "Worksite-Induced Morbidities Among Truck Drivers in North America: A Comprehensive Literature Review." With Yorghos Apostolopoulos, Sevil Sönmez, and Mona M. Shattell. *American Association of Occupational Health Nurses [AAOHN] Journal*. Vol. 58, No. 7, 2010: pp. 285-96.
5. "Empirical Evidence of Toll Road Traffic Diversion and Implications for Highway Infrastructure Privatization." With Peter F. Swan. *Public Works Management & Policy*, Vol.14, No. 4 (April 2010): pp 351-73.
6. "Pay Incentives and Truck Driver Safety: A Case Study." With Daniel A. Rodriguez and Felipe Targa. *Industrial and Labor Relations Review*, Vol. 59, No. 2 (January 2006), pp. 205-225.
7. "Effects of Truck Driver Wages and Working Conditions on Highway Safety: Case Study." With Daniel Rodríguez, Marta Rocha, and Asad J. Khattak. *Transportation Research Record: Journal of the Transportation Research Board*, no. 1833 (Freight Policy, Economics, and Logistics; Truck Transportation), 2003, pp. 95-102.
8. "The Case for Strengthened Motor Carrier Hours of Service Regulations." With Gregory M. Saltzman. *Transportation Journal*, Vol. 41, No. 4, Summer 2002, pp. 51-71.
9. "Technological Innovation and the Trucking Industry: Information Revolution and the Effect on the Work Process." *Journal of Labor Research*, Vol. 23, No. 3; Summer 2002, pp. 375-396.
10. "Government Oversight and Union Democracy: Lessons from the Teamsters Experience." With Richard Hurd. *Journal of Labor Research*, Vol. 20, No. 3, Summer 1999, pp. 343-365.
11. "Collective Bargaining in the Trucking Industry: Do the Teamsters Still Count?" *Industrial and Labor Relations Review*, Vol. 48, No. 4; July 1995, pp. 636-655.

Invited Review Articles

1. "Driver Background Paper: Current and Future Trends." Federal Motor Carrier Safety Administration. November 17, 2000. Published on FMCSA intranet.

FUNDED RESEARCH

Project: Study of the Economics of Safety.

Source of funds: International Brotherhood of Teamsters (to Sound Science, Inc.)

Amount: \$25,000

Duration: December 2009 – 2011

Role: Principal Investigator

Deliverables: “The Low Road.” January 15, 2010 and “The Economics of Safety: How Compensation Affects Commercial Motor Vehicle Driver Safety”. October 2011. Presented in Congressional testimony July 2012.

Project: “Economic Development Stimulation for Southeast Michigan Via Emerging Global Supply Chain Management Solutions: Opportunity Assessment for Southeast Michigan Supply Chain Hub”.

Source of funds: New Economic Initiative, subcontracted from Michigan State University (to Wayne State University)

Amount: \$24,000

Duration: December 2009 – June 2011

Role: Investigator

Deliverable: Contribution to assessment of the opportunity to create a lasting supply chain management, information technology innovation, and processing capability that can be offered to global businesses in the Southeast Michigan region.

Project: Critique of FMCSA regulatory evaluation for “Truck Driver Hours of Service, Interim Final Rule; 72 FR 71247, December 17, 2007”

Source of funds: International Brotherhood of Teamsters and Public Citizen (to Sound Science, Inc.)

Amount: \$9,600

Duration: February – March, 2008

Role: Principal Investigator”

Deliverable: Comments on the Federal Docket

Project: “Prospects of Increased Gateway Traffic using an Inland Terminal in Southern Michigan”

Source of funds: Dalhousie University (to Sound Science, Inc.)

Amount: \$3,500

Duration: June 2009 – August 2009

Role: Principal Investigator. Contracted with Marc Howlett, doctoral student at the University of North Carolina – Chapel Hill, for research support and co-authorship of report.

Deliverable: Feasibility analysis of Southeast Michigan freight partnership with the CN Railroad and the Port of Halifax.

Project: “Foreign Domiciled Over-the-Road Bus Industry”

Source of funds: Transportation Trades Department – AFL-CIO (to Wayne State University)

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Amount: \$49,940

Duration: September 2008 – May 2009

Role: Principal Investigator and author

Deliverable: A report analyzing organization, regulation, and industrial relations governing the North America motorcoach bus industry

Project: “Truck Crashes and Work-Related Factors Associated with Drivers and Motor Carriers.” Large Truck Crash Causation Study (LTCCS) Research

Source of funds: U.S. Department of Transportation Federal Motor Carrier Safety Administration through Volpe National Transportation Systems Center (to Sound Science, Inc.)

Amount: \$72,000

Duration: October 2007 – April 2009

Role: Principal Investigator and author.

Deliverable: A report analyzing the industrial relations factors contributing to crashes of large commercial motor vehicles. Study relies on the LTCCS database.

Project: “Paying the Costs, Reaping the Benefits: What Unfettered Competition in the U.S. Trucking Industry Means for Regions, Tax Payers, and the Workforce.” With Susan Christopherson, Cornell University.

Source of funds: The Brookings Institution, George Washington University’s Institute of Public Policy and Trachtenberg School of Public Policy and Public Administration, and the Urban Institute (to Sound Science, Inc.)

Amount: \$3,000, plus travel expenses.

Duration: October 2007 – February 2009

Role: Principal Investigator and co-author.

Deliverable: A paper presented at the Conference on Urban and Regional Policy Effects held on June 5-6, 2008 in Washington, D.C. and book chapter published by Brookings Institution.

Project: “Occupational Study Project: Pennsylvania Logistics and Transportation Workforce Cluster.”

Source of Funds: Keystone Research Center, Pennsylvania Department of Labor (to Sound Science, Inc.)

Amount: \$17,000

Duration: 2004-2005

Role: Principal Investigator and lead author.

Deliverable: Report published by Pennsylvania Workforce Development:

Belzer, Michael H., Stanley A. Sedo, Stephen A. Herzenberg, and Peter F. Swan. 2007.

"Pennsylvania Logistics & Transportation". In *Workforce Choices*. Harrisburg, PA: Pennsylvania Workforce Development.

Project: “Firms, Workforce Quality, and Economic Growth: New Data, New Approaches, and New Evidence.”

Cooperative research between the Census Department and five Sloan Foundation Industry Centers to investigate the industry-level foundations of individual and firm contributions to unobservable human capital.

Source of funds: Sloan Foundation/Urban Institute (to Wayne State University)

Amount: \$104,000

Duration: January 2003 – December 2004

Role: Principal Investigator for the Trucking Industry Program labor economics group and for the Urban Institute, grantor. Conducted original negotiations with sponsors. Supervise research and analysis, interpret data results consistent with my understanding of the trucking industry, maintain links to other Sloan Industry Studies projects, and administer funds. The Urban Institute's funds were granted by the Sloan Foundation and the Urban Institute subcontracted to Wayne State University. Dr. Stanley A. Sedo of University of Michigan Institute for Industrial and Labor Relations provided data analysis.

Deliverables: Data analysis and consultation for the book *Economic Turbulence: Is a Volatile Economy Good For America?* (Clair Brown, John Haltiwanger, and Julia Lane). University of Chicago Press, 2006

Project: Wayne State University Truck Driver Occupational Safety and Health Conference, April 24 and 25, 2003.

Sources of funds: Centers for Disease Control / National Institute for Occupational Safety and Health, (NIOSH); \$15,000; Owner-Operator Independent Drivers Association (OOIDA); \$20,000; International Brotherhood of Teamsters (IBT); \$10,000; Participant registration fees: approximately \$13,000. In-kind sponsors: Wayne State University Trucking Industry Benchmarking Program; Douglas Fraser Center for Workplace Studies.

Total: \$58,000 for conference (to Wayne State University) plus additional \$10,000 to Sound Science, Inc. for conference report due December 31, 2003.

Duration: October 2002 – December 2003

Role: Principal Investigator, organizer and host of conference, raised funds and supervised administration of funds, and provided leadership role in developing final report and appendices.

Deliverables: Conference and Conference Report:

Saltzman, Gregory M. and Michael H. Belzer (2007). *Truck Driver Occupational Safety and Health: 2003 Conference Report and Selective Literature Review*. Washington, DC, U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health (NIOSH), Department of Health and Human Services: 117. Includes CD that includes conference report, presentations, and other source materials. The conference report can be downloaded: <http://www.cdc.gov/niosh/docs/2007-120/>. Presentations and additional background information available at <http://www.ilir.umich.edu/TIBP/TruckDriverOSH>

Project: Wayne State University Trucking Industry Benchmarking Program

This is a membership program designed to be supported by users, particularly in the trucking industry. This is designed to become an independent self-supporting activity. Programs will be of indefinite duration and is intended to become a permanent fixture in the trucking industry. These benchmarking programs have been structured in partnership with the private sector, and other partners are sought.

Less-than-Truck Load (LTL) benchmarking. Benchmarking of all aspect of LTL motor carrier operations. Currently on hold as consolidation in the industry disrupted the original cohort.

Owner-Operator Cost-of-Operations Survey. On-line survey of owner-operators that provided owner-drivers with a spreadsheet with which they can maintain financial and operational records, while providing us with data on this hitherto undocumented population. Sponsored by the Owner Operator Independent Drivers Association (OOIDA), a 100,000-member association of truck drivers who own their own trucks.

Safety Benchmarking and Self-Regulation: A partnership with the California Trucking Association (CTA). Carriers entered data on firm practices and safety outcomes, providing us data with which to model safety performance of smaller trucking companies based on best practices. This program is open to other state associations, and associations of specialized carriers, third party logistics providers, and international organizations. The CTA benchmarking exercise collected modest data over two years but did not receive sufficient participation on which to base conclusions.

These benchmarking programs can be examined by accessing the Trucking Industry Benchmarking Program website directly: <http://www.ilir.umich.edu/TIBP/>.

Sources and Amount:

General startup support provided by the Sloan Foundation Trucking Industry Program (through Georgia Institute of Technology to Wayne State University):
\$126,433

Owner-Operator Independent Drivers Association:

\$15,000 for Owner-Operator Cost of Operations Survey (to Sound Science, Inc.)

Duration: 2003-2007

Role: Principal Investigator, creator, promoter, and director. Raise all funds and direct strategic implementation, hired all necessary staff and contractors.

Deliverables: With this and prior funding from the Sloan Foundation, we created a secure web-site (above) that allows participating firms to enter the data appropriate to their benchmarking program. The data that carriers enter goes immediately into an off-line server and into a database. When we update the database, the carriers (or owner-operators) can see their rank on each of the measured factors, allowing them to benchmark themselves against the competition. The ultimate goal of this project, in addition to the collection and analysis of unique data, is to have a proof-of-concept model to demonstrate the use of standard economic models to develop scientifically valid best practices, enabling the industry and regulators to use economic factors (instead of engineering factors) to regulate safety practices by properly assigning costs to those who create social risks, thus establishing a more efficient market as well as a cost-floor for competition.

Project: Trucking Industry Program Trucking Security Project

Source: Alfred P. Sloan Foundation (to Wayne State University).

Amount: \$45,000

Duration: 2002

Role: Convener and Principal Investigator, leading effort to create and activate subject area teams to develop workable security options for trucking.

Deliverables: Workshop meeting arranged in November 2001 in response to 9/11 attacks, held in partnership with the Transportation Research Board at the National Academies in Washington, DC. Public policy effort to bring together a wide range of

trucking industry stakeholders, building on the relationships built by the University of Michigan Trucking Industry Program, sponsored by the Sloan Foundation. Following this meeting I was asked by the Sloan Foundation to continue this activity by creating this task force effort to solicit trucking industry input on workable approaches to trucking security. Final products: Development of database and team of trucking security experts and motor carrier security officials. Presentation to the Director of Cargo Security of the Transportation Security Administration and a set of recommendations presented to Congress at the end of July 2002.

Project: University of Michigan Trucking Industry Program

Source: Alfred P. Sloan Foundation and Sloan Foundation Trucking Industry Center Grants (to University of Michigan and Wayne State University)

Amount: \$544,830

Duration: 1997 – 2003

Role: Research Investigator and Associate Director: University of Michigan Trucking Industry Program; Principal Investigator and Director: Wayne State University Trucking Industry Program. Negotiated for and managed funding, and designed strategic plans for use of funds.

Deliverables: Numerous research papers and one book, *Sweatshops on Wheels*. I also coordinated and led the LTL Industry Case Study, which produced the “Less-Than-Truckload Trucking Industry Case Study and Benchmarking Report” (referenced in publications section below). Report document is confidential to participants but available on request subject to confidentiality agreement.

Project: “Impact of Compensation Practices on Number of Citations & Recordable Accidents Incurred”

Source: U.S. Department of Transportation, Federal Highway Administration and Federal Motor Carrier Safety Administration (formerly Office of Motor Carriers, Federal Highway Administration) in a subcontract from Science Applications International Corporation (to University of Michigan and Wayne State University).

Amount: \$476,700

Duration: 1998 – 2002

Role: Principal Investigator at University of Michigan Institute of Labor and Industrial Relations and at Wayne State University. Presented proposal to US DOT to secure the funds, designed the research project, hired and managed necessary researchers and graduate students, and helped convert the report into publishable research articles.

Deliverable: Report on effect of truck driver pay on safety

Project: “Economic Impact Assessment of Proposed Hours of Service Changes”

Source: U.S. Department of Transportation, Federal Highway Administration and Federal Motor Carrier Safety Administration and the University of Michigan Transportation Research Institute. Contract No. DTFH61-96-C-00038 to the United States Department of Transportation, Federal Motor Carrier Administration (to University of Michigan)

Amount: \$221,000

Duration: 1998 – 2002

Role: Principal Investigator for Institute of Labor and Industrial Relations, under subcontract from the University of Michigan Transportation Research Institute.

Deliverables: “Proposed Changes in Motor Carrier Hours of Service Regulations: An Assessment” (with Gregory Saltzman, Stanley Sedo, George Fulton, Donald Grimes, and Lucie Schmidt).

Project: University of Michigan Trucking Industry Program, at Cornell University

Source: Alfred P. Sloan Foundation on a subcontract from the University of Michigan (to University of Michigan)

Amount: \$221,291

Duration: 1995 – 1997: Sloan Foundation/University of Michigan Grant

Role: Principal Investigator and Associate Director, leading and managing labor market and industry operations research group. Secured funds from University of Michigan Trucking Industry Program and participated very actively in the original proposal development and presentation.

Deliverables: Research on trucking, presentations to Sloan Industry Center Directors meetings, research program on trucking industry

Project: Cornell University Construction Industry Program, Construction Industry Research Consortium

Source: Building and Construction Trades Department, AFL-CIO (to Cornell University)

Amount: \$150,000

Duration: 1995 – 1997

Role: Lead Investigator

Deliverable: Research report on Syracuse Construction Industry