

## Journal Articles

- Chen H., Bai S., Eisinger D.S., Niemeier D., and Claggett M. (2009) Predicting near-road PM<sub>2.5</sub> concentrations: comparative assessment of CALINE4, CAL3QHC, and AERMOD. *Transportation Research Record, Journal of the Transportation Research Board*. **2123**, 26-37 (doi: 10.3141/2123-04, STI 3792).
- Karner A., Eisinger D.S., Bai S., and Niemeier D. (2009) Mitigating diesel truck impacts in environmental justice communities: transportation planning and air quality in Barrio Logan, San Diego. *Transportation Research Record, Journal of the Transportation Research Board* **2125**, 1-8 (doi: 10.3141/2125-01).
- Eisinger D. and Wathern P. (2008) Policy evolution and clean air: The case of U.S. motor vehicle inspection and maintenance. *Transportation Research Part D: Transport and Environment* **13D** (6), 359-368 (ISSN 1361-9209).
- Kear T., Eisinger D., Niemeier D., and Brady M. (2008) US vehicle emissions: Creating a common currency to avoid model comparison problems. *Transportation Research Part D-Transport and Environment* **13**, 168-176.
- Eisinger D.S., Niemeier D.A., Stoeckenius T., Kear T.P., Brady M.J., Pollack A.K., and Long J. (2006) Collecting driving data to support mobile source emissions estimation. *Journal of Transportation Engineering* **132** (11), 845-854 (STI-901270-2536).
- McCarthy M.C., Eisinger D.S., Hafner H.R., Chinkin L.R., Roberts P.T., Black K.N., Clark N.N., McMurry P.H., and Winer A.M. (2006) Particulate matter: a strategic vision for transportation-related research. *Environ. Sci. Technol.* **40** (18), 5593-5599 (STI-904750-2843). Available on the Internet at <<http://pubs.acs.org/doi/abs/10.1021/es062767i>>.
- Eisinger D.S. (2005) Evaluating inspection and maintenance programs: a policy-making framework. *J. Air & Waste Manage. Assoc.* **55**, 147-162 (STI-2400).
- Eisinger D.S. and Niemeier D.A. (2004) Transportation control measures: federal requirements and State Implementation Plan development considerations. *Transportation Research Record: Journal of the Transportation Research Board* (No. 1880), 59-70 (STI-902390-2506).
- Eisinger D.S., Dougherty K., Chang D., Kear T., and Morgan P.F. (2002) A reevaluation of carbon monoxide: past trends, future concentrations, and implications for conformity "hot-spot" policies. *J. Air & Waste Manag. Assoc.* **52**, 1012-1025 (STI-998360-2061).
- Eisinger D.S., Niemeier D., and Brady M.J. (2002) Conformity: The new force behind SIP deadlines. *Air & Waste Manag. Assoc.'s EM*, (STI-901270-2115), January, 16-25.
- Eisinger D.S., Simmons R.A., Lammering M., and Sotiros R. (1991) Screening radon risks: a methodology for policy makers. *J. Reg. Toxic. Pharm.* **14**, 245-260.
- Eisinger D.S., Peacock M.C., and Falk S.B. (1989) Solving the United States national park overflight dispute. *Environ. Mgmt.* **13**, 149-157.

## Books

- Eisinger D. (2010 - Forthcoming) *Smog Check: Science, Federalism and the Politics of Clean Air*. Resources for the Future Press. Washington, D.C. (ISBN 978-1-933115-71-9).

## Meeting Presentations and Conference Proceedings

- Timoshek A., Eisinger D.S., Bai S., and Niemeier D. (2010): Mobile source air toxics emissions: sensitivity to traffic volume, fleet composition, and average speed. Accepted for presentation at the *Transportation Research Board (TRB) 89th Annual Meeting, Washington, D.C., January 10-14*.

- Bai S., Eisinger D., Wang R., and Niemeier D. (2009) Construction equipment retrofits and replacements: a new tool to estimate emission reduction benefits. Presented at the *19th CRC On-road Emissions Workshop, San Diego, CA, March 24* (STI-3597).
- Bai S., Eisinger D., and Niemeier D. (2009) MOVES vs. EMFAC: a comparison of greenhouse gas emissions using Los Angeles County. Presented at the *Transportation Research Board (TRB) 88th Annual Meeting, Washington, D.C., January 13* (STI-3541).
- Chen H., Bai S., Eisinger D.S., Niemeier D., and Claggett M. (2009) Predicting near-road PM<sub>2.5</sub> concentrations: a comparative assessment of CALINE4, CAL3QHC and AERMOD. Presented at the *Transportation Research Board (TRB) 88th Annual Meeting, Washington, D.C., January 13*.
- Eisinger D.S. (2009) Incorporating GHG considerations into transportation project and metropolitan planning requirements. Presented at the *TRB Annual Research Conference, Session #530, Washington, DC, January 13* (STI-3539).
- Karner A., Eisinger D.S., Bai S., and Niemeier D.A. (2009) Mitigating diesel truck impacts in environmental justice communities: transportation planning and air quality in Barrio Logan, San Diego. Presented at the *Transportation Research Board 88th Annual Meeting, Washington, D.C., January 13*.
- Dai, Z., D. Niemeier, and D. Eisinger (2008) Development of modal driving cycles for light duty vehicles. Presented at the *18th CRC On-Road Vehicle Emissions Workshop, San Diego, CA, April 1*. Sponsored by the California Department of Transportation.
- Bai S., Eisinger D.S., and Niemeier D. (2007) Mobile source air toxics (MSATs): assessing project-level impacts. Presented at the *2007 CAPCOA Health Conference: Understanding and Addressing Health Impacts of Air Pollution on Communities, Carson, CA, September 19*, by the UC Davis-Caltrans Air Quality Project.
- Eisinger D.S. and Niemeier D. (2007) Construction emissions: using project data to improve regional inventories. Invited presentation at the *86th Annual Meeting of the Transportation Research Board, Workshop 135: Guidelines on Conducting Project Level Air Quality Analysis, Washington, D.C., January 21*, (STI-906044-3130).
- Eisinger D.S. and Niemeier D. (2007) Qualitative project analysis: key concepts. Invited presentation at the *86th Annual Meeting of the Transportation Research Board, Workshop 135: Guidelines on Conducting Project Level Air Quality Analysis, Washington, D.C., January 21*, (STI-906044-3131).
- Van Houtte J., Eisinger D.S., and Niemeier D.A. (2007) Project assessments for 8-hour ozone conformity in isolated rural areas. Paper presented at the *U.S. Transportation Research Board, 86th Annual Meeting, Session 458, Environment and Energy, Washington, D.C., Paper # 07-0822, January*.
- Bai S., Eisinger D., and Niemeier D. (2006) Project-level air toxics: southern California case study using a new analysis framework. Presented at the *CRC MSAT Workshop, Phoenix, AZ, October 25*, University of California, Davis-Caltrans Air Quality Project, Davis, CA.
- Eisinger D.S. and Tamura T. (2005) Air toxics: insights for transportation project-level analysis. Presented in *Workshop 124 at the 84th Transportation Research Board Annual Meeting, Washington DC, January 9* (STI-2673).
- Eisinger D.S. and Niemeier D. (2004) Transportation control measures (TCMs): federal requirements and SIP development considerations. Paper No. 04-2720 in *83rd Transportation Research Board Annual Meeting, Washington DC, January 11-15* (STI-901270-2402).
- Eisinger D.S., Nanzetta K., Kear T., Niemeier D., O'Loughlin R., and Brady M.J. (2003) Particulate matter and transportation projects, an analysis protocol. Paper No. 70067 in *Air & Waste Management Association's 96th Annual Conference and Exhibition, "Energy, Economic, and Global Challenges: Environment in the Balance", San Diego, CA, June 22-26* (STI-2328).
- Eisinger D.S. (2002) Conformity: Avoiding pitfalls from outdated planning assumptions. Presented to *Air & Waste Management Association Annual Meeting, West Coast Section, "An Environment for a Dynamic America", Los Angeles, CA, April 11-12* (STI-901270-2184).

- Eisinger D.S., Niemeier D., and Kear T. (2002) The California Department of Transportation/Air Resources Board (CAMP) program: New research to improve speed correction factors and mobile source emissions modeling. Paper in proceedings of and presentation to *U.S. Environmental Protection Agency's 11th Annual Inventory Conference, "Emissions Inventories-Partnering for the Future"*, Atlanta, GA, April 16-18 (STI-901260-2169).
- Eisinger D. (1997) Lessons from the U.S. I/M regulatory experience: a California case study. Talk presented at the *Intercontinental Mobile Sources/Clean Air Conference, Madrid, Spain, March 9-11*.
- Santini D., Eisinger D., Sperling D., and Patterson P. (1997) A brief summary of key observations. *The Conference on Policies for Fostering Sustainable Transportation Technologies, Pacific Grove, CA, August 17-20*.
- Austin B.S., Eisinger D.S., and Higgins T. (1991) TCMs—how effective are they? New methods to estimate emission reductions from transportation control measures. Paper presented at the *84th Annual Meeting of the Air & Waste Management Association, Vancouver, BC, June 16-21*.
- Eisinger D.S., Shepard S.B., Duvall L.L., and Austin B.S. (1991) Analyzing transportation control measure packages. Paper presented at the *Air & Waste Management Association and U.S. Environmental Protection Agency Specialty Conference on Emission Inventory Issues in the 1990s, Durham, NC, September 9-12*.
- Eisinger D.S. and Simmons R.A. (1989) Screening lifetime risks to help prevent radon exposure: a methodology for public health policy makers. Paper presented at the *Society for Risk Analysis, San Francisco, CA, October 30 (SYSAPP-89/154)*.
- Eisinger D.S., Ireson R.G., Deakin E., and Wicher F.P. (1989) Transportation control measures: technical and institutional guidance for state and local governments. Paper presented at the *82nd Annual Meeting of the Air & Waste Management Association, Anaheim, CA, June 25-30*.
- Eisinger D.S., Mudarri D., and Austin B.S. (1988) New policy challenges, limited analytical tools: using existing health standards to diagnose indoor air quality problems. Paper presented at the *10th Annual Research Conference for the Association for Public Policy Analysis and Management*.
- Eisinger D.S., Peacock M.C., and Falk S.B. (1987) Tourist flights over the Grand Canyon: the potential for negotiated solutions to similar problems. Paper presented at the *9th Annual Research Conference for the Association for Public Policy Analysis and Management*.

### **Other Publications**

- Rowan D., Eisinger D., and Niemeier D. (2008) Regulating snowmobile emissions in Yellowstone. Guest commentary published in *The Denver Post*, March 14.
- Reid S.B. and Eisinger D.S. (2007) Goods movement and the environment. *Air & Waste Manag. Assoc.'s EM*, 6-7. Available on the Internet at <[http://secure.awma.org/em/pdfs/2007/11/intro\\_reid.pdf](http://secure.awma.org/em/pdfs/2007/11/intro_reid.pdf)>.

### **Courses Taught**

- Bai S., Eisinger D., and Niemeier D. (2007) Project-level air toxics: emissions modeling procedures using EMFAC and U.C. Davis spreadsheet application. Training course presented at the FHWA MSAT Training Workshops, San Diego and Sacramento, CA, by Caltrans and the U.C. Davis-Caltrans Air Quality Project, January 8-9.
- Atmospheric Pollution. Geography 301, Course Reference Number: 98243, University of Hawaii. 1998 through 2008. Three credit hours.
- Kear T., Eisinger D.S., and Gao O. (2003) Advanced project-level air quality analysis. Training course presented at Caltrans District 11, San Diego, CA, by Caltrans and the U.C. Davis Air Quality Project, GEV126, March 12-13.

Kear T., Eisinger D.S., and Gao O. (2003) Project-level air quality analysis overview. Training course presented at Caltrans District 11, San Diego, CA, by Caltrans and the U.C. Davis Air Quality Project, GEV125, March 11.

Leeman W., Kear T., and Eisinger D.S. (2002) Advanced project-level air quality analysis. Training course presented at the Caltrans DES Training Facility, Sacramento, CA, by Caltrans and the U.C. Davis Air Quality Project, GEV126, October 2-3.

Leeman W., Kear T., and Eisinger D.S. (2002) Project-level air quality analysis overview. Training course presented at the Caltrans Maintenance Training Center, Woodland, CA, by Caltrans and the U.C. Davis Air Quality Project, GEV125, October 1.

Transportation Policy. Engineering, Civil and Environmental (ECI) 165, CRN: 70565. University of California, Davis. 1999. Three credit hours. (Co-taught portions of the same course in 2001.)

### **Peer-Review Service**

Atmospheric Environment (2007).

International Journal of Environment and Pollution (2007).

National Research Council, Transportation Research Board (TRB), annual conference papers sponsored by Committee on Transportation and Air Quality (A1F03 and ADC20) (1995-present).

Journal of the Air & Waste Management Association (2003, 2009).

Environmental Science & Technology (2003).

### **Committee and Workshop Advisory Service**

*Invited Presiding Officer*, Session 530, "Incorporating Greenhouse Gas Considerations into Transportation Project and Metropolitan Planning Requirements." Transportation Research Board's 88<sup>th</sup> Annual Meeting. Washington, D.C. (January 11-15, 2009).

Reid S.B. and Eisinger D.S. (2007) Coordinator of the goods movement issue. *Air & Waste Manag. Assoc.'s EM*.

*Committee Member*, Transportation Research Board's Transportation and Air Quality Committee ADC20 (2005-2008).

*Invited participant*, Colloquy on the Coming Transformation of Travel, sponsored by the New York State Association of Metropolitan Planning Organizations (NYSMPOs), the Federal Highway Administration's Office of Planning, and the U.S. Department of Transportation's Volpe National Transportation Systems Center. Rensselaerville Institute Conference Center, Albany, New York (June 1-3, 2005).

*Committee Member*, California EPA Children's Environmental Health Center Workgroup to Implement the Governor's Environmental Action Plan, "Improving Air Quality Along Freeways" (2004).

*Invited Participant*, U.S. FHWA-sponsored Accelerated Construction Technology Transfer Workshop, I-35W & HWY62, Crosstown Commons Reconstruction. Minneapolis, Minnesota (June 14-16, 2004).

*Committee Member*, California Statewide Transportation Conformity Working Group (1997-present).

*Subcommittee Member*, Air Quality Subcommittee, Transportation Research Board Committee on Transportation Planning Needs and Requirements of Small and Medium-Sized Communities (A1D05) (2003-present).

*Invited Participant*, U.S. FHWA-sponsored workshop, Transportation-related Air Toxics. Chicago, Illinois (May 12, 2003).

*Committee Member*, Air & Waste Management Association, Transportation & Air Quality Reference Publication Task Group (2003).

*Mobile Sources Committee Member*, U.S. EPA Emission Inventory Improvement Program (2000-2002).

*Steering Committee Member*, UCLA's Lake Arrowhead Land Use/Transportation/Air Quality Conference (1993-1995).

*Advisory Committee Member*, California Local Government Commission land use planning conference (1994).

*Vice-chair*, Air & Waste Management Association Transportation Control Measures committee (1990-1991).

## **Software**

Wang R., Eisinger D.S., Bai S., and Niemeier D. (2008) Construction equipment retrofit and replacement tool. Prepared by the U.C. Davis-Caltrans Air Quality Project, Task Order No. 81.

Wu P., Bai S., Eisinger D., and Niemeier D. (2008) CT-EMFAC version 2.6. Transportation project-level emissions analysis tool prepared for the California Department of Transportation, Division of Transportation Planning, Sacramento, CA, by the University of California at Davis, May.

Wu P., Bai S., Eisinger D., and Niemeier D. (2007) CT-EMFAC version 1.5. Transportation project-level emissions analysis tool prepared for the California Department of Transportation, Division of Transportation Planning, Sacramento, CA, by the University of California at Davis, November.

Bai S., Eisinger D., and Niemeier D. (2006) Project-level mobile source air toxics analysis. Spreadsheet tool prepared for the California Department of Transportation, Sacramento, CA, by the University of California, Davis-Caltrans Air Quality Project, Davis, CA, October.

Van Houtte J., Eisinger D., and Niemeier D. (2006) Rural Area Conformity Guidance: Completing 8-hour Ozone Project Assessments spreadsheet tool, version 1.01. Prepared for the California Department of Transportation, Sacramento, CA, August.

Sogutlugil M., Eisinger D., and Niemeier D. (2005) U.C. Davis CMAQ Funding Apportionment Model, version 5.1. Prepared for the California Department of Transportation, Environment Program, Sacramento, CA, May.

Eisinger D.S. (2004) I/M-Design: a spreadsheet-based modeling tool to help policy makers analyze motor vehicle inspection and maintenance (I/M) Programs, version 4.0. Software documentation: Evaluating inspection and maintenance (I/M) programs: A policy-making framework. *J. Air & Waste Manag. Assoc.* **55**, 147-162.

Dai Z., Eisinger D.S., and Niemeier D. (2004) U.C. Davis construction emissions estimation model, version 3.2. Prepared for the California Department of Transportation, Environment Program, Sacramento, CA, March.

Prouty J.D., Ryan P.A., and Eisinger D.S. (2001) I/M Station Performance Measures modeling tool (SPM+), version 1.12. Prepared for the California Bureau of Automotive Repair, Sacramento, CA, March.

Ryan P.A., Prouty J.D., and Eisinger D.S. (2000) California Smog Check Cost-Benefit Calculator, version 2.04. Prepared for the California Bureau of Automotive Repair, Sacramento, CA, October.

Prouty J.D., Eisinger D.S., and Ryan P.A. (2000) Smog Check Tests And Fleet Emissions Calculator, version 1.05. Prepared for the California Bureau of Automotive Repair, Sacramento, CA, June.

Prouty J.D., Eisinger D.S., and Ryan P.A. (2000) Travel Fraction Calculator, California vehicle fleet spreadsheet-based modeling tool, version 2.10. Prepared for the California Bureau of Automotive Repair, Sacramento, CA, June. Software documentation: Travel Fraction Calculator (TFC) User's

Guide Version 2.10. Draft Final Report prepared for Bureau of Automotive Repair, Sacramento CA by Sonoma Technology, Inc., Petaluma CA, STI-999692-1993-DFR1, November.

Prouty J.D., Ryan P.A., and Eisinger D.S. (2000) Gross polluter certification spreadsheet modeling tool, version 1.61. Prepared for the California Bureau of Automotive Repair, Sacramento, CA, April.

Prouty J.D., Kear T.P. Chang D., and Eisinger D.S. (1999) CL4: A user-friendly interface for the CALINE 4 model, version 1.32. Prepared for the California Department of Transportation, Environment Program, Sacramento, CA, April. Software documentation: Coe D.L., Eisinger D.S., Prouty J.D., and Kear T. (1998) User's guide for CL4: a user-friendly interface for the CALINE4 model for transportation project impact assessment. User's guide prepared for Caltrans - U.C. Davis Air Quality Project, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-997480-1814-UG, June.

### **Thesis**

Eisinger D. (2005) Motor vehicles, air pollution control, and environmental policy making. Ph.D. Dissertation, Environmental Impact Assessment Unit, Institute of Biological Sciences (Professor Peter Wathern, Ph.D. Supervisor), University of Wales, Aberystwyth.

### **Formal Reports**

Niemeier D., Eisinger D.S., and Bai S. (2009) Developing effective and quantifiable air quality mitigation measures: overview report. Prepared for the U.C. Davis-Caltrans Air Quality Project, October 29.

Bai S., Eisinger D.S., Waters M., Phillips J., and Black T. (2009) Brief literature review, data compilation, and modeling approach. Land use changes and greenhouse gas emissions: a new analysis tool for small and medium metropolitan areas. Prepared for the Federal Highway Administration Office of Planning, Olympia Fields, IL, by Sonoma Technology, Inc., Petaluma, CA, Washington State Department of Transportation, Seattle, WA, Washington State Department of Commerce, Olympia, WA, and Thurston Regional Planning Council, Olympia, WA, STI-908062-3717-TM, September.

Fuller M., Bai S., Eisinger D.S., and Niemeier D. (2009) Practical mitigation measures for diesel particulate matter: near-road vegetation barriers. Report prepared for the U.C. Davis-Caltrans Air Quality Project, July 14.

Niemeier D.A., Eisinger D., Kendall A., and Harvey J.T. (2009) Prioritization of transportation projects for economic stimulus with respect to greenhouse gases. Final report prepared for the California Department of Transportation by University of California, Davis, CA, and Sonoma Technology, Inc., Petaluma, CA, June.

Wang R., Eisinger D.S., Bai S., and Niemeier D. (2008) Construction equipment retrofits and replacements: a new tool to estimate emission reduction benefits. Final report prepared by the U.C. Davis-Caltrans Air Quality Project, Davis, CA, Task Order No. 81, December 30.

Karner A., Eisinger D.S., Bai S., and Niemeier D. (2008) Mitigating diesel truck impacts in environmental justice communities: transportation planning and air quality in Barrio Logan, San Diego. Report prepared for the U.C. Davis-Caltrans Air Quality Project, November 30.

Roberts P.T., Reid S.B., Eisinger D.S., and Bai S. (2008) Field study of PM<sub>2.5</sub> emissions generated from road widening project. Technical memorandum prepared for the Arizona Department of Transportation by Sonoma Technology, Inc., Petaluma, CA, STI-908017.03-3493, November.

Dai Z., Niemeier D., and Eisinger D. (2008) Driving cycles: a new cycle-building method that better represents real-world emissions. Prepared by the UC Davis-Caltrans Air Quality Project, University of California, Davis, CA, Task Order No. 66, September 18.

- Bai S., Eisinger D., and Niemeier D. (2008) MOVES vs. EMFAC: a comparative assessment based on a Los Angeles County case study. Prepared by the U.C. Davis-Caltrans Air Quality Project, Davis, CA, Task Orders No. 9 and 53, August 22.
- Chen H., Bai S., Eisinger D., Niemeier D., and Claggett M. (2008) Modeling uncertainties and near-road PM<sub>2.5</sub>: a comparison of CALINE4, CAL3QHC and AERMOD. Prepared by the U.C. Davis-Caltrans Air Quality Project, Davis, CA, Task order numbers 67 and 80, August 21.
- Wu P., Bai S., Eisinger D., and Niemeier D. (2007) CT-EMFAC: a computer model to estimate transportation project emissions. Prepared for the California Department of Transportation, Division of Transportation Planning, Sacramento, CA, by the UC Davis-Caltrans Air Quality Project, Davis, CA, in response to a request to create a transportation project-level emissions analysis tool based on the California Air Resources Board EMFAC2007 emissions model, Task Orders No. 61 and 67, December 10.
- Eisinger D.S. (2007) Smog check: a policy making odyssey. Final fellowship report prepared for the Resources for the Future "Fellowship in Environmental Regulatory Implementation" Program made possible by a grant from the Andrew W. Mellon Foundation, 906037-3142-FR, September.
- Bai S., Eisinger D., and Niemeier D. (2006) Estimating mobile source air toxics emissions: a step-by-step project analysis methodology. Report prepared for the California Department of Transportation, Sacramento, CA, by the University of California, Davis-Caltrans Air Quality Project, Davis, CA, October.
- Kear T., Eisinger D., and Niemeier D. (2006) Using "SIP Currency" principles to address outdated conformity emission budgets. Preliminary discussion paper prepared for the California Department of Transportation, Sacramento, CA, by University of California, Davis, CA, August.
- Van Houtte J., Niemeier D., and Eisinger D. (2006) Rural area conformity guidance: completing 8-hour ozone project assessments. UC Davis-Caltrans Air Quality Project prepared for the California Department of Transportation, Sacramento, CA, by the University of California, Davis, CA, September. Available on the Internet at <<http://AQP.engr.ucdavis.edu>>.
- Jungers B.D., Kear T.P., Eisinger D.S., and Niemeier, D. (2006) A Survey of Air Quality Dispersion Models for Project-Level Conformity Analysis. Report prepared for the California Department of Transportation, Sacramento, CA, by the Department of Civil and Environmental Engineering, University of California, Davis, CA, Task Order No. 44, June.
- McCarthy M.C., Eisinger D.S., Hafner H.R., Tamura T.M., Chinkin L.R., Roberts P.T., Clark N., McMurry P.H., and Winer A. (2005) Strategic plan for particulate matter research: 2005-2010. Final report prepared for the Federal Highway Administration, Office of Natural Environment, Washington, DC, by Sonoma Technology, Inc., Petaluma, CA; West Virginia University, Department of Mechanical and Aerospace Engineering, Morgantown, WV; University of Minnesota, Particle Technology Lab, Minneapolis, MN; and University of California, Los Angeles, School of Public Health, Environmental Science & Engineering, Los Angeles, CA, STI-904750.06-2770-FR, November.
- McCarthy M.C., Eisinger D.S., and Hafner H.R. (2005) FHWA PM research plan: workshop summary. Summary of the FHWA Strategic Workplan for Particulate Matter Research Workshop prepared for the U.S. Federal Highway Administration, Washington, DC, by Sonoma Technology, Inc., Petaluma, CA, STI-904755-2746, May.
- Mid-America Regional Council (2005) A clean air action plan for the Kansas City region. Report prepared by Lyle R. Chinkin, Neil J.M. Wheeler, Todd Tamura, and Douglas S. Eisinger at Sonoma Technology, Inc., Petaluma, CA, and others, 901470.04-2936, May.
- Tamura T.M., McCarthy M.C., Hafner H.R., Eisinger D.S., Roberts P.T., Lurmann F.W., Clark N., McMurry P.H., and Winer A. (2005) Transportation and particulate matter: assessment of recent

literature and ongoing research. Final report prepared for the U.S. Federal Highway Administration, Washington, DC, by Sonoma Technology, Inc., Petaluma, CA; West Virginia University, Morgantown, WV; University of Minnesota, Minneapolis, MN; and University of California, Los Angeles, Los Angeles, CA, STI-904751-2669-FR, March.

Tamura T.M., Hafner H.R., Brown S.G., and Eisinger D.S. (2005) Investigation of consistency between ambient monitoring data and MOBILE6.2 emissions predictions for air toxics. Final report prepared for the Federal Highway Administration, Washington, DC, by Sonoma Technology, Inc., Petaluma, CA, STI-903632-2621-FR, March.

Nanzetta K., Eisinger D., Kear T., O'Loughlin R., Brady M.J., and Niemeier D. (2005) Particulate matter and transportation projects, an analysis protocol. Final technical report prepared for the California Department of Transportation Environmental Program, Sacramento, CA, and the U.S. Federal Highway Administration Western Resource Center, San Francisco, CA, by U.C. Davis, Davis, CA, the U.S. Federal Highway Administration, San Francisco, CA, and the California Department of Transportation, Sacramento, CA, February. Available on the Internet at <http://aqp.engr.ucdavis.edu/Documents/Qual%20PM%20Feb%202005%20Final%20Report.pdf> last accessed 4/25/05.

Eisinger D.S. and Niemeier D. (2004) Transportation control measures (TCMs): guidance for conformity and state implementation plan development. Final report prepared for The California Department of Transportation by University of California, Davis, CA, and Sonoma Technology, Inc., Petaluma, CA, STI-902390-2597, August.

Tamura T.M., Bai S., Eisinger D.S., and Sullivan D.C. (2004) Revision of the Minneapolis-St. Paul carbon monoxide maintenance plan. Final report prepared for Minnesota Pollution Control Agency, St. Paul, MN, by Sonoma Technology, Inc., Petaluma, CA, STI-904360-2583-FR, August.

Shafizadeh K., Niemeier D., and Eisinger D. (2004) Gross emitting vehicles: a review of the literature. Literature review prepared for the California Department of Transportation, Sacramento, CA, by the Department of Civil and Environmental Engineering, University of California, Davis, CA, Task Order No. 31, June.

Eisinger D., Niemeier D., and Dai Z. (2004) Construction emissions: comparison of UC Davis and Sacramento Metropolitan Air Quality Management District modeled emissions, I-80 auxiliary lanes case study. Technical memorandum prepared for the California Department of Transportation Air Quality and Conformity Coordination Environmental Program, Sacramento, CA, by the UC Davis-Caltrans Air Quality Project, University of California, Davis, CA, Task Order No. 8, April.

Eisinger D.S., Niemeier D., and Witten D. (2004) California's funding crisis and potential ramifications for conformity. Technical memorandum prepared for the California Department of Transportation by UC Davis-Caltrans Air Quality Project, Task Order No. 9, February.

Chinkin L.R., Tamura T.M., Eisinger D.S., Gorin C.A., Miller D.S., Coe D.L., MacDonald C.P., and Wheeler N.J.M. (2003) Preliminary assessment of ozone and PM air quality issues in Central Ohio. Final report prepared for Mid-Ohio Regional Planning Commission, Columbus, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-902900-2377-FR, June.

Tamura T.M. and Eisinger D.S. (2003) Transportation-related air toxics: case study materials related to US 95 in Nevada. Revised Final White Paper prepared for the U.S. Federal Highway Administration Office of Natural Environment, Washington, DC, by Sonoma Technology, Inc., Petaluma, CA, STI-902370-2308-RFWP, March.

Eisinger D.S. and Niemeier D. (2001) California conformity timelines: EMFAC-2000 approval considerations. Report prepared for California Department of Transportation, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-998360-2077 (UCD-ITS-RR-01-01), May.

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- Klausmeier R., Walsh P.A., and Eisinger D.S. (2000) Remote sensing certification standards evaluation. Revised final report 1 prepared for California Bureau of Automotive Repair, Sacramento, CA, by de la Torre Klausmeier Consulting, Inc., Austin, TX, P.A. Walsh Consulting, Reno, NV, and Sonoma Technology, Inc., Petaluma, CA, STI-999695-1991-RFR1, December.
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### Speeches

- Eisinger D.S. (2006) Alternatives to automobile use. Invited speaker, *Citizens Advisory Committee, Oahu Metropolitan Planning Organization, Honolulu, HI, July 19.*
- Eisinger D.S. (2002) Transportation Conformity. Invited speaker, Air & Waste Management Association, Golden West Section Meeting. San Francisco, April 25.
- Eisinger D.S. (1998) Who's winning the smog wars? Policies and politics of air pollution. Invited lecturer at the *University of Hawaii, Manoa, The Shunzo Sakamaki Extraordinary Lecture Series, Honolulu, HI, July 29.*
- Eisinger D.S. (1996) Battling the smog wars: who won? Invited lecturer at the *University of California, Davis, Institute of Transportation Studies, Winter 1996 Seminar Series, Davis, CA, February 2.*

- Eisinger D.S. (1995) Public policy lessons from smog check. Invited lecturer at the *University of California, Berkeley, Graduate School of Public Policy, Berkeley, CA, January 30.*
- Eisinger D.S. (1994) Costs and benefits of inspection and maintenance options. Invited panelist at the *Reason Foundation Forum, Los Angeles, CA, December 13.*
- Eisinger D.S. (1994) Research needs for transportation and air quality. Invited panelist at the *National Academy of Sciences, Transportation Research Board, Irvine, CA, November 4.*
- Eisinger D.S. (1994) The transportation, land use, air quality connection. Invited panelist at the *UCLA Extension Policy and Research Symposium, Temecula, CA, October 17.*
- Eisinger D.S. (1994) What's new? Air quality conformity. Invited speaker at the *20th Annual Meeting and Reunion of the Federal Region IX Intermodal Planning Group, Oakland, CA, September 20.*
- Eisinger D.S. (1993) Negotiating environmental protection. Invited lecturer at the *Golden Gate University, Graduate Student Program, Environmental Policy Course, San Francisco, CA, November 2.*
- Eisinger D.S. (1992) Employer trip reduction. Principal speaker at the *National Association of Regional Councils and the American Public Transit Association, Long Beach, CA, April 9.*
- Eisinger D.S. (1992) ISTEA and the Clean Air Act. Invited speaker at the *Sacramento Area Council of Governments Statewide Workshop, Sacramento, CA, June 26.*
- Eisinger D.S. (1992) Perspectives on the California transportation plan. Invited speaker at the *Caltrans Statewide Workshop, San Francisco, CA, November 20.*