REFERENCES

- 1998 California Transportation Plan: Transportation System Performance Measures, Final Report, California Department of Transportation, Sacramento, August 1998.
- Cambridge Systematics, Inc., NCHRP Report 446: A Guidebook for Performance-Based Transportation Planning, Transportation Research Board, National Research Council, Washington, D.C., 2000, 108 pp.
- Cambridge Systematics, Inc., Transmode Consultants, Asil Gezen, and ICF Kaiser Engineers, Inc., *NCHRP Report* 399: Multimodal Corridor and Capacity Analysis Manual, Transportation Research Board, National Research Council, Washington, D.C., 1998, 199 pp.
- Executive Guide: Effectively Implementing the Government Performance and Results Act, Report GAO/GGD-96-118, U.S. General Accounting Office, Washington, D.C., June 1996.
- Florida's ITS Strategic Plan: Survey of Other State Practices, PB Farradyne, 1998.
- Florida's Mobility Performance Measures Program, Transportation Statistics Office, Office of the State Transportation Planner, Florida Department of Transportation, Tallahassee, 8 pp.
- Four-Year Business Plan: 2000–2004, Maryland State Highway Administration, Maryland Department of Transportation, Baltimore.
- Highway Capacity Manual—HCM 2000, Transportation Research Board, National Research Council, Washington, D.C., 2000.
- Highway Indicators Statistical Report, Maryland State Highway Administration, Baltimore (annual).
- Ikhrata, H. and P. Michell, "Technical Report of Southern California Association of Governments' Transportation Performance Indicators," *Transportation Research Record* 1606, Transportation Research Board, National Research Council, Washington, D.C., 1998, pp. 103–114.
- Jackson, D.L., T.L. Shaw, G. Morgan, D. McLeod, and A. Vandervalk, *Florida's Reliability Method*, Florida Department of Transportation, Tallahassee, 2000.
- Larson, M., *Performance Measurement Directions and Issues*, Presented at the Transportation Research Board Peer Exchange Meeting on Performance Measures, Madison, Wis., August 2000.
- Lomax, T., et al., NCHRP Report 398: Quantifying Congestion, Final Report, 2 Vols., Transportation Research Board, National Research Council, Washington, D.C., 1997.
- Lomax, T., et al., *Urban Mobility Report: 2000*, Texas Transportation Institute, College Station, 2001.

- May, A.D., *Performance Measures for Highway Capacity Analysis*, NCHRP Report 3-55(4), Transportation Research Board, National Research Council, Washington, D.C., 1997, unpublished.
- "MetroPlan Orlando," *Transportation System Indicators Report: Tracking the Trends: 1994–1998*, Orlando, Fla., 1999.
- Meyer, M.D., Alternative Performance Measures for Transportation Planning: Evolution Toward Multimodal Planning, Report FTA-GA-26-7000-95-1, Georgia Institute of Technology, Atlanta, December 1995.
- "Multimodal Transportation: Development of a Performance-Based Planning Process," *NCHRP Research Results Digest 226*, Transportation Research Board, National Research Council, Washington, D.C., 1998, 16 pp.
- Pickrell, S. and L. Neumann, "Linking Performance Measures with Decision Making," Presented at the 79th Annual Meeting of the Transportation Research Board, January 2000, Washington, D.C.
- Pratt, R.H. and T.J. Lomax, "Performance Measures for Multimodal Transportation Systems," *Transportation Research Record 1518*, Transportation Research Board, National Research Council, Washington, D.C., January 1994, pp. 85–93.
- Rakha, H. and M. Van Aerde, "Statistical Analysis of Dayto-Day Variations in Real-Time Traffic Flow Data," *Transportation Research Record 1510*, Transportation Research Board, National Research Council, Washington, D.C., 1995, pp. 26–34.
- Serving the American Public: Best Practices in Customer-Driven Strategic Planning, Federal Benchmarking Consortium Study Report, National Performance Review, Washington, D.C., Feb. 1997.
- Serving the American Public: Best Practices in Performance Measurement, Benchmarking Study Report, National Performance Review, Washington, D.C., June 1997.
- Shaw, T., *The Impacts of ISTEA on Metropolitan Planning Practice*, Master's Thesis, Louisiana State University, 1996.
- *Transportation and Delaware's Future*, Delaware Department of Transportation, Dover, 2000.
- Turner, S.M., M.E. Best, and D.L. Schrank, *Measures of Effectiveness for Major Investment Studies*, Report SWUTC/96/467106-1, Southwest Region University Transportation Center, Texas Transportation Institute, College Station, 1996.

BIBLIOGRAPHY

- 1998 Regional Congestion Study: Final Report, Maricopa Association of Governments, Phoenix, Ariz., 2000.
- Abbot, E.E., J. Cantalupo, and L.B. Dixon, "Performance Measures: Linking Outputs and Outcomes to Achieve Goals," *Transportation Research Record 1617*, Transportation Research Board, National Research Council, Washington, D.C., 1998, pp. 90–95.
- Alam, M. and E. Fekpe, "Application of Geographic Information Systems Technology in Freight Data Analysis: A Case Study of I-90/I-94 Corridor Analysis," *Transportation Research Record 1625*, Transportation Research Board, National Research Council, Washington, D.C., 1998, pp. 173–183.
- Boarnet, M.G., E.J. Kim, and E. Parkany, *Measuring Traffic Congestion*, Report No. UCI-ITS-98-6, Institute of Transportation Studies, University of California, Irvine, 1998, 23 pp.
- Dowling, R.G., *Extension of the Level of Service Concept to Transportation Systems*, Presented at the 77th Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C., Jan. 1998.
- Hajek, K. and D. Doyle, *Measuring Performance at the Texas Department of Transportation*, Presented at the Transportation Research Board Peer Exchange Meeting on Performance Measures, Madison, Wis., August 2000.
- Ishimaru, J.M. and M.E. Hallenbeck, FLOW Evaluation Design Technical Report, Research Report T9903, Task
 62, Washington State Transportation Center (TRAC), University of Washington, Seattle, Wash., March 1999.
- Jones, D., Intermodal Performance Measures for the San Francisco Bay Area Transportation System, Metropolitan Transportation Commission, Oakland, Calif., 1995.
- Kreideweis, J. Data Requirements for State System Performance Measures, Presented at the Transportation Research Board Peer Exchange Meeting on Performance Measures, Madison, Wis., August 2000.
- Maryland Highway System Performance Report, Presented at the Transportation Research Board Peer Exchange Meeting on Performance Measures, Madison, Wis., August 2000.
- Miller, E.J. and A. Ibrahim, "Urban Form and Vehicular Travel: Some Empirical Findings," *Transportation Research Record 1617*, Transportation Research Board, National Research Council, Washington, D.C., 1998, pp. 18–27.

- Rodier, C.J. and R.A. Johnston, "A Method of Obtaining Consumer Welfare from Regional Travel Demand Models," *Transportation Research Record 1649*, Transportation Research Board, National Research Council, Washington, D.C., 1998, pp. 81–85.
- Sathisan, S.K. and N. Srinivasan, "Evaluation of Accessibility of Urban Transportation Networks," *Transportation Research Record 1617*, Transportation Research Board, National Research Council, Washington, D.C., 1998, pp. 78–83.
- Shaw, T., *Highway Capacity Planning Applications*, Florida Department of Transportation, Tallahassee, 1997.
- Shaw, T.L., *Intelligent Transportation System Program Performance Measures*, Florida Department of Transportation, Tallahassee, 2001.
- Shaw, T.L. and D. McLeod, *Mobility Performance Measures Handbook*, Florida Office of the State Transportation Planner, Systems Planning Office, Department of Transportation, Tallahassee, 1998.
- SkyComp, Inc., *Traffic Quality on the St. Louis Regional Highway System*, East–West Gateway Coordinating Council, St. Louis, Mo., 1996.
- Sorrell, C.S. and J.F. Lewis, "VDOT Is Moving in a New Direction: How Virginia's Department of Transportation Is Using Strategic Management to Revamp Its Entire Operation," *Transportation Research Record 1649*, Transportation Research Board, National Research Council, Washington, D.C., 1998, pp. 115–123.
- Stewart, J.A., H. Rakha, and M. Van Aerde, "Analysis of Temporal and Spatial Variability of Free Flow Speed Along a Freeway Segment," *Transportation Research Record* 1494, Transportation Research Board, National Research Council, Washington, D.C., 1995, pp. 1–10.
- TransGuide Data Link ITS Data Management System, San Antonio, Texas [Online]. Available: http://vixen.cs.tamu.edu.
- *Transportation Improvement Program*, Albany, New York, Metropolitan Planning Organization, 2000.
- URS Consultants, *I-95 HOV Lane Monitoring*, Florida Department of Transportation, Tallahassee, 1999.
- Wolf, J., Performance Measurement and Integrated Transportation Management Systems: A Traffic Operations Perspective, California Department of Transportation, Sacramento Calif., 2000.

ACRONYMS AND ABBREVIATIONS

ATIS Advanced Traveler Information System

CHART Coordinated Highways Advisory Response Team

GPS global positioning system
HCM *Highway Capacity Manual*HOV high-occupancy vehicle

HPMS Highway Performance Monitoring System

ISTEA Intermodal Surface Transportation Efficiency Act of 1991

ITE Institute of Transportation Engineers

ITIP Intelligent Transportation Infrastructure Program

ITS intelligent transportation system

LOS level of service mph miles per hour

MPO metropolitan planning organization

NCHRP National Cooperative Highway Research Program

NHS National Highway System

NPTS National Personal Transportation Survey
PL Planning Funds Program of FHWA
RCI Roadway Characteristics Inventory
RTMS Radar Traffic Monitoring System
TCM transportation control measures
TDM travel demand management

TIP Transportation Improvement Program

TMC traffic management center
TOC traffic operations center
TQM Total Quality Management

TSM Transportation Systems Management
TTI Texas Transportation Institute
U.S. DOT U.S. Department of Transportation

V/C volume/capacity VMT vehicle-miles traveled