

9.0 BIBLIOGRAPHY

9.1 Purpose of and Need for Action

Associated Press. 2001. "Airliners Remain More Than One-third Empty." *Tribune-Review*, of October 30, C2.

Cho, A. et al. 2001. "Special Report: Airport Expansion is Construction's Latest Destination." *Engineering News-Record*, September 3, 19-28.

Kalinosky, L. 2001. *Smart Growth for Neighborhoods: Affordable Housing Regional Vision*. Washington, DC: National Neighborhood Coalition.

Lesko, George and Michael Dacko. February 27, 2003. *Magnetic Levitation: Transportation in the Future*. Engineering Sustainability Paper.

Pennsylvania Department of Community and Economic Development. 2001. *Annual Report on Land Use: 2000*. Prepared by the Governor's Center for Local Government Services. Harrisburg, PA: PADCED.

Schrank, David, and T. Lomax. 2001. "The 2001 Urban Mobility Report." *Texas Transportation Institute*. College Station, TX: The Texas A&M University System.

Southwestern Pennsylvania Commission. 2000. *2025 Transportation and Development Plan for Southwestern Pennsylvania*. Pittsburgh, PA.

Suga, T. 1994. "Thirty Years of High-Speed Railways." *Japanese Railway History* 4 (October): 1-2.

TGV Basics. 2001. [Online] Available <http://www.trainweb.org/tgvpages>.

Transportation Equity Act for the 21st Century (TEA 21: Pub. L. No. 104-178, 112 Stat.107, 216).

U.S. Department of Energy. 2001. *Transportation Energy Data Book: Edition 21*. Prepared by the Oak Ridge National Laboratory. Washington, DC: Office of Transportation Technologies, U.S. DOE.

U.S. Department of Transportation. 2000. *FAA Long-Range Aerospace Forecasts: Years 2015, 2020 and 2025*. Prepared by the Office of Aviation Policy and Plans, U.S. DOT, FAA. Washington, DC: Federal Aviation Administration.

U.S. Department of Transportation. 2000. *National Transportation Statistics*. Prepared by the Bureau of Transportation Statistics, U.S. DOT. Washington, DC: U.S. Government Printing Office.

U.S. Department of Transportation. 2000. *Traffic Safety Facts*. Prepared by the National Highway Traffic Safety Administration, U.S. DOT. Washington, DC: National Center for Statistics and Analysis.

U.S. Environmental Protection Agency. 2001. *A Technical Review of the Interactions between Land Use, Transportation, and Environmental Quality*. Prepared by the Development, Community, and Environmental Division, U.S. EPA. Washington, DC: U.S. Government Printing Office.

U.S. Federal Railroad Administration. 1993. *Final Report on the National Maglev Initiative*. Prepared by the NMI Office, U.S. DOT, FRA. Springfield, VA: National Technical Information Service.

U.S. Federal Railroad Administration. 2001. *Final Programmatic Environmental Impact Statement, Maglev Deployment Program*. Prepared by the John A. Volpe Transportation Systems Center. Springfield, VA: National Technical Information Service.

U.S. Federal Railroad Administration. 2001. *Record of Decision: Final Programmatic Environmental Impact Statement, Maglev Deployment Program*. Washington, DC: FRA.

U.S. Federal Transit Administration. 1988. *Strategic Plan for 1998-2002: People Moving People into America's Future*. Washington, DC: FTA U.S.

Wakuda, Y. 1997. "Railway Modernization and Shinkansen." *Japanese Railway History 10*: 60-63.

9.2 Alternatives

Council on Environmental Quality. 1981. *Forty Most Asked Questions Concerning CEQ's National Environmental Policy Act*, Washington, D.C.

MAGLEV, Inc. 1994. *A Demonstration, Design, and Development Plan*. Monroeville, PA.

Port Authority of Allegheny County and MAGLEV, Inc. 2000. *The Pennsylvania Project, Environmental Assessment*. Pittsburgh, PA.

Port Authority of Allegheny County. 2002. *Initial Screening of Proposed Maglev Alternatives*. Prepared by the MSM Group. Pittsburgh, PA.

Port Authority of Allegheny County. 2002. *MAGport Station Alternatives Screening*. Prepared by the MSM Group. Pittsburgh, PA.

9.3 Project Setting

Allegheny County Airport Authority. 1999. *Pittsburgh International Airport Aviation Forecasts*. Leigh Fisher Associates.

Allegheny County Airport Authority. April 2002. *Pittsburgh International Airport Land Use Plan*. PB Aviation, Inc.

Allegheny County Airport Authority. On-Going. *Pittsburgh International Airport Continuous Airport Master Plan*. PB Aviation, Inc.

Pennsylvania Turnpike Commission, Pennsylvania Department of Transportation and the Federal Highway Administration. 1993. *Mon/Fayette Transportation Project Allegheny, Fayette, and Washington Counties, Pennsylvania and Monongalia County, West Virginia. Cultural Resources Survey Volume I Historical Context*. Prepared by CHRS, Inc., North Wales, PA.

9.4 Environmental Consequences

Allegheny County Airport Authority. 1999.

Allegheny County Airport Authority. January 2002. *Real Estate Market Study Pittsburgh International Airport Non-Aviation Land Holdings*. Synergy Real Estate Corporation.

Allegheny County Airport Authority Comprehensive Land Use Plan. October 18, 2002. Prepared by Parsons Brinkerhoff.

American Conference of Governmental Industrial Hygienists. 2002. *Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices*. Cincinnati, OH.

City of Pittsburgh, Department of Planning. 1998. *The Pittsburgh Downtown Plan, A Blueprint for the 21st Century*.

City of Pittsburgh, Department of Planning. December 1, 1999. *The Pittsburgh Urban Zoning Code*. Department of City Planning.

City of Pittsburgh Historic Review Commission. 2001. *Maps of City Designated Historic Districts and National Register Districts and National Register Eligible Districts Located within the Pittsburgh City Limits*. Pittsburgh, PA.

Conceptual Airspace Study. Michael Baker Jr., Inc. 2003.

Cortis, S.E., T.B. Alexander, and W.E. Edmunds. 1975. *Greater Pittsburgh Region Mined Out Areas of the Pittsburgh Coal*.

Council on Environmental Quality. December 10, 1997. *Environmental Justice: Guidance Under the National Environmental Policy Act*. Washington, D.C.

Cowardin, L.M., V. Charter, F.C. Golet, and E.T. LaRoe. *Classification of Wetlands and Deepwater Habitats of the United States*, Report No. FWS/OBL-79/31, U.S. Department of the Interior, Fish and Wildlife Service, Washington, DC, December 1979.

Cultural Heritage Research Services, North Wales, PA. *S.R. 0028 Project, Historic Resources Survey and Determination of Eligibility Report*.

Electric Power Research Institute (EPRI). September 1993. *Survey of Residential Magnetic Field Sources ("The 1000 Home Study")*. Two Volumes. Report TR-102759. Palo Alto, CA.

Electromagnetic Field Characteristics of the Transrapid TRO8 Maglev System, U.S. Department of Transportation, May 2002.

Environmental Justice Disproportionate Effects Working Paper. Maguire Group Inc. August 2002.

Executive Order 12898. 1994. *Federal Actions to Address Environmental Justice in Minority and Low-Income Populations*, 59 Fed. Reg. 7629.

Findlay Township. 1997. *Comprehensive Plan*.

Geyer, Alan G. and J. Peter Wilshusen. 1982. *Engineering Characteristics of the Rocks of Pennsylvania, PADEP Environmental Report #1*.

Highway Capacity Manual (HCM). Transportation Research Board. 2000.

Institute of Transportation Engineers. 1997. *The Trip Generation Manual*. Sixth Edition. Publication No. IR-016D.

International Commission on Non-Ionizing Radiation Protection. January 1994. Guidelines on Limits of Exposure to Static Magnetic Fields, *Health Physics*, Vol. 66.

International Commission on Non-Ionizing Radiation Protection. April 1998. "Guidelines for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz)", *Health Physics*, Vol. 74:4.

MAGLEV, Inc. November 29, 2001. *Vibration Characteristics of Transrapid TR08 Maglev Vehicle*. Report No. 297460-1. Prepared by Harris, Miller, Miller & Hansen, Inc. Monroeville, PA.

Maglev System Guideways, High Speed Ground Transportation Conference. June 6-9, 1999. *Transrapid Presentation*. Seattle, WA.

Magnetic Levitation Train Transrapid. [Online] Available <http://www.maglev.com>.

Magplane. [Online] Available <http://www.magplane.com>.

Miller, Foster. August 24, 1999. *Maglev Deployment Program, Workshop II, Engineering Design and Cost Estimating*. Transrapid International, Maglev 2000. Washington, DC.

Penn Hills Municipal Zoning Ordinance, Industrial District Regulations. November 1992.

Pennsylvania Department of Conservation and Natural Resources Bureau of Topographic and Geologic Survey. 1975. *Greater Pittsburgh Region Maps of Mined-Out Areas and Thickness of Rock Over the Pittsburgh Coal, Map 45*.

Pennsylvania Department of Conservation and Natural Resources Bureau of Topographic and Geologic Survey. 1985. *Greater Pittsburgh Region Geologic Map and Cross Sections, Map 42*.

Pennsylvania Department of Conservation and Natural Resources Bureau of Topographic and Geologic Survey. 2000. *Geologic Map of Pennsylvania*.

Pennsylvania Department of Conservation and Natural Resources Bureau of Topographic and Geologic Survey. 2000. *Physiographic Provinces of Pennsylvania*.

Pennsylvania Department of Transportation. 1999. *Waste Site Evaluation Procedures Handbook Volume I, Publication No. 281*.

The Pennsylvania High-speed Maglev Project Traffic Impact Study, *Michael Baker Jr., Inc.* July 12, 2004.

Pennsylvania Historical and Museum Commission. 1980. *Westmoreland County Historic Sites Survey*. Prepared by George Swetnam and Helene Smith, Greensburg, PA.

Pennsylvania Historical and Museum Commission. 1985. *Allegheny County Historic Resource Survey*. Prepared by the Pittsburgh History and Landmarks Foundation, Pittsburgh, PA.

Pennsylvania Historical and Museum Commission. 2001. National Register of Historic Places/National Historic Landmarks Geographic Information System. Computer database maintained by the Pennsylvania Historical and Museum Commission, Harrisburg, PA.

Pennsylvania Turnpike Commission, Pennsylvania Department of Transportation, and the Federal Highway Administration. 1993. *Mon/Fayette Transportation Project, Allegheny, Fayette, and Washington Counties, Pennsylvania, and Monongalia County, West Virginia, Cultural Resources Survey, Volume I, Historical Context*. Prepared by CHRS, Inc. North Wales, PA.

Pennsylvania Turnpike Commission. 1998. *Historic Resource Survey Addendum, Mon/Fayette Transportation Project State Route 51 to Pittsburgh, Allegheny County, Pennsylvania* (P.A.C. Spero & Compant 1998)

Pennsylvania Turnpike Commission. December 2001. *Preliminary Justification Report for the Mon/Fayette Expressway*.

Pennsylvania Turnpike Commission. 2004. *Mon/Fayette Transportation Project, PA Route 51 to I-376 FEIS*.

Pennsylvania Wellhead Protection Program, Appendix B. 2000. Prepared by the PA Department of Environmental Protection.

Port Authority of Allegheny County and MAGLEV, Inc. 2001. *Pennsylvania Ridership Peer Review Package, Final Report*.

Port Authority of Allegheny County and Pennsylvania Department of Transportation. *Allegheny County, City of Pittsburgh, West End Improvement Project, S.R. 0019 Section A27, Historic Resource Survey and Determination of Eligibility Report*. Prepared by Skelly and Loy, Inc., Monroeville, PA.

Port Authority of Allegheny County and Southwestern Pennsylvania Commission. 2003. *Eastern Corridor Transit Study*.

Propulsion Simulation Programs, TRI/Fischperer, Document number 8510.

RPI. May 9, 1999. [Online] Available <http://www.rtri.or.jp/rd/maglev>.

Safety of High Speed Magnetic Levitation Transportation Systems, High-Speed Maglev Trains. German Safety Requirements RW-MSB. (Translation of German Regelwerk Magnetschnellenbahnen Sicherheitstechnische Anforderungen). January 1992. DOT-VNTSC-FRA-92/1.

Sandia Laboratories. [Online] Available <http://www.sandia.gov>.

Southwestern Pennsylvania Commission. 2000.

Southwestern Pennsylvania Commission. Air Quality Conformity Determination for the Pittsburgh Transportation Management Area, Southwestern Pennsylvania Commission, June 2004.

Superspeed Maglev System, Transrapid, Pittsburgh Project Technology Overview Seminar. October 1999.

Test Facility Report. Emsland, Germany. May 2002 Test Facility Report.

Traffic Impact Study for the Mellon City Center; *Harris Inc*. May 1998.

Transportation Research Board, National Research Council. 2000. *The Highway Capacity Manual 2000*. Washington, DC.

Transportation Research Board. 2002. *Strategies for Improving Public Transportation Access to Large Airports*.

Transrapid Operation Control System Document No. 8500. February 2000. Version A.

Transrapid System Description Document No. 8372. February 2000. Version A.

Transrapid System Guideway Document No. 8384. February 2000.

U.S. Army Corps of Engineers Environmental Laboratory, *Corps of Engineers Wetlands Delineation Manual*, Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, 1987.

U.S. Army Corps of Engineers. October 1998. *Technical Assessment of Maglev System Concepts, Final Report*. Prepared by the Government Maglev System Assessment Team.

U.S. Department of Agriculture. 1981. *Soil Survey of Allegheny County, Pennsylvania*. Prepared by the Soil Conservation Service.

U.S. Department of Agriculture. 2002. *Soil Survey of Westmoreland County, Pennsylvania*. Prepared by the Soil Conservation Service.

U.S. Department of Commerce. 1990. *U.S. Census of Population and Housing*. Washington, DC.

U.S. Department of Commerce. 2000. *U.S. Census of Population and Housing*. Washington, DC.

U.S. Department of Transportation. 1995. "Final Environmental Justice Strategy." *Federal Register*, Vol. 60, No. 125, (June 29): 33896-33899.

U.S. Department of Transportation, Federal Transit Administration. April 1995. *Transit Noise and Vibration Impact Assessment*. Report No. DOT-T-95-16.

U.S. Department of Transportation. 1997. "Order to Address Environmental Justice in Minority Populations and Low-Income Populations." *Federal Register*, Vol. 62, No. 72, (April 15): 18377-18381.

U.S. Department of Transportation, U.S. Federal Railroad Administration, Office of Railroad Development. December 1998. *High-Speed Ground Transportation Noise and Vibration Impact Assessment*. Report No. 293630-1. Prepared by Harris, Miller, Miller & Hansen Inc. and De Leuw, Cather & Company.

U.S. Department of Transportation, Federal Railroad Administration. May 2002. *Electromagnetic Field Characteristics of the Transrapid TR08 Maglev System*. Report DOT-VNTSC-FRA-02-11. Prepared by John A. Volpe National Transportation Systems Center. Cambridge, MA.

U.S. Environmental Protection Agency. November 1992. *Guidelines for Modeling Carbon Monoxide from Roadway Intersections*, EPA-454/R-92-005.

U.S. Environmental Protection Agency. 1999. *Sole Source Aquifer Program Designation*. Prepared by the Federal Highway Administration.

U.S. Environmental Protection Agency. 2000. *EPA Compilation of Air Emission Factors, AP-42, Fifth Edition, Volume I Reference*

U.S. Federal Communications Commission, Office of Engineering and Technology. August 1997. *Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields*. FCC Bulletin 65 Edition 97.01. Supplement C, December 1997.

U.S. Federal Highway Administration. 1976. *Social Considerations in Highway Project Development*. Prepared by the Office of Environmental Policy and the National Highway Institute. Washington, DC: FHWA.

U.S. Federal Highway Administration, Pennsylvania Department of Transportation, County of Allegheny, and Federal Aviation Administration. 1989. *Airport Parkway-Southern Expressway Final Environmental Impact Statement*. Washington, D.C.

U.S. Federal Highway Administration; Pennsylvania Department of Transportation. 1995. *Route 22 Improvements, S.R. 0022, Section B04, Determination of Effect Report*. Prepared by P.A.C. Spero & Company, Baltimore, MD.

U.S. Federal Highway Administration. 1996. *Community Impact Assessment: A Quick Reference for Transportation*. Prepared by the Office of Environment and Planning, U.S. DOT, FHWA. Washington, DC: FHWA.

U.S. Federal Highway Administration; Pennsylvania Department of Transportation. 1998. *S.R. 0028 Project, Pittsburgh and Millvale Boroughs, Allegheny County, Pennsylvania, Historic Resources Survey and Determination of Eligibility Report Addendum*. Prepared by Cultural Heritage Research Services, North Wales, PA.

U.S. Federal Railroad Administration, U.S. Department of Transportation. April 1992. *Safety of High Speed Magnetic Levitation Transportation Systems, Magnetic Field Testing of the TR07 Maglev Vehicle and System, Vol. I-Analysis and Vol.II Appendices*.

U.S. Federal Railroad Administration, Office of Research and Development. August 1993. *Safety of High Speed Guided Ground Transportation Systems: The Biological Effects of Maglev Magnetic Field Exposures*. Report DOT-VNTSC-FRA-93-20. Prepared by Argonne National Laboratory. Argonne, IL.

U.S. Federal Railroad Administration, Office of Research and Development. August 1993. *Safety of High Speed Guided Ground Transportation Systems: Broadband Magnetic Fields – Their Possible Role in EMF-Associated Bioeffects*. Report DOT-VNTSC-FRA-93-17. Prepared by U.S. Environmental Protection Agency, Office of Air and Radiation. Washington, DC.

U.S. Federal Railroad Administration, Office of Research and Development. August 1993. *Safety of High Speed Guided Ground Transportation Systems: Comparison of Magnetic and Electric Field of Conventional and Advanced Electrified Transportation Systems*. Report DOT-VNTSC-FRA-93-13. Prepared by Electric Research and Management, Inc. State College, PA.

U.S. Federal Railroad Administration, Office of Research and Development. August 1993. *Safety of High Speed Guided Ground Transportation Systems: Potential Health Effects of Low Frequency Electromagnetic Fields Due to Maglev and Other Electric Rail Systems*. Report DOT-VNTSC-FRA-93-18. Prepared by Information Ventures, Inc. Philadelphia, PA.

U.S. Federal Railroad Administration, U.S. Department of Transportation. April 1993. *Safety of High Speed Guided Ground Transportation Systems: Magnetic and Electric Field Testing of the Amtrak Northeast Corridor and New Jersey Transit North Jersey Coast Line Rail Systems, Vol. I - Analysis, Vol. II - Appendices*.

U.S. Federal Railroad Administration, U.S. Department of Transportation. May 1993. *Safety of High Speed Guided Ground Transportation Systems: Magnetic and Electric Field Testing of the French Train à Grande Vitesse (TGV) Rail System, Vol. I - Analysis, Vol. II - Appendices*. Electric Research and Management, Inc.

U.S. Federal Railroad Administration, U.S. Department of Transportation. June 1993. *Safety of High Speed Guided Ground Transportation Systems: Magnetic and Electric Field Testing of the Washington Metropolitan Area Transit Authority (WMATA) Metrorail System, Vol. I - Analysis, Vol. II – Appendices*. Electric Research and Management, Inc.

U.S. Federal Railroad Administration, U.S. Department of Transportation. June 1993. *Safety of High Speed Guided Ground Transportation Systems: Magnetic and Electric Field Testing of the Massachusetts Bay Transportation Authority (MBTA) Urban Transit System, Volume I - Analysis, Volume II - Appendices*.

U.S. Federal Railroad Administration, U.S. Department of Transportation. August 1993. *Comparison of Magnetic and Electric Fields of Conventional and Advanced Electrified Transportation Systems*.

U.S. Federal Railroad Administration, U.S. Department of Transportation. March 1999. *Survey and Assessment of Electric and Magnetic Field (EMF) Public Exposure in the Transportation Environment*. Electric Research and Management, Inc.

U.S. Federal Railroad Administration. May 26, 1999. "Procedures for Considering Environmental Impacts", *Federal Register*. Vol. 64, No. 101, pp. 28545-28556.

U.S. Federal Railroad Administration, U.S. Department of Transportation. April 2001. *Final Programmatic Environmental Impact Statement and Record of Decision, Maglev Deployment Program*. Prepared by the John A. Volpe Transportation Systems Center. Springfield, VA.

U.S. Federal Railroad Administration, Port Authority of Allegheny County, and Pennsylvania Department of Transportation. 2002. *Pennsylvania High-speed Maglev Project, Allegheny and Westmoreland Counties, Historic Resource Survey and Determination of Eligibility*. Prepared by the MSM Group, Pittsburgh, PA.

U.S. Federal Transit Administration and Port Authority of Allegheny County. 1992. *Martin Luther King, Jr. East Busway Extension Planning Analysis/Environmental Extension*. Prepared by Wilbur Smith Associates, Pittsburgh, PA.

U.S. Federal Transit Administration, Federal Highway Administration, Pennsylvania Department of Transportation, and Port Authority of Allegheny County. 1994 *Phase I Airport Busway/Wabash HOV Facility Environmental Assessment and Section 106 and 4(f) Evaluation*. Pittsburgh, PA.

U.S. Federal Transit Administration. April 1995. *Transit Noise and Vibration Impact Assessment*. Report DOT-T-95-16. Prepared by Harris, Miller, Miller & Hansen, Inc.

World Health Organization. August 2002. [Online] Available <http://www.who.int/peh-emf/about/WhatisEMF/en>.

9.5 Section 4(f) Evaluation

City of Pittsburgh. *Pittsburgh's Regional Parks Master Plan 2000: A New Ethic of Stewardship*. Prepared by LaQuatra Bonci Associates, et al. Pittsburgh: City of Pittsburgh.

Municipality of Monroeville, Monroeville Park Inter-Park Trail System Master Plan. Prepared by Richard P. Rauso. ASLA Landscape Architects P.C. Trafford, PA.

U.S. Federal Railroad Administration, Port Authority of Allegheny County, and Pennsylvania Department of Transportation. 2002. *Pennsylvania High-speed Maglev Project, Allegheny and Westmoreland Counties, Environmental Justice Disproportionate Effects Analysis Working Paper*. Prepared by the MSM Group. Pittsburgh, PA.

U.S. Federal Railroad Administration, Port Authority of Allegheny County, and Pennsylvania Department of Transportation. March 2002. *Pennsylvania High-speed Maglev Project, Allegheny and Westmoreland Counties, Historic Resource Survey and Determination of Eligibility*. Prepared by the MSM Group. Pittsburgh, PA.

U.S. Federal Railroad Administration, Port Authority of Allegheny County, and Pennsylvania Department of Transportation. May 2002. *Pennsylvania High-speed Maglev Project, Allegheny and Westmoreland Counties, Initial Screening of Proposed Maglev Alternatives*. Prepared by the MSM Group. Pittsburgh, PA.

U.S. Federal Railroad Administration, Port Authority of Allegheny County, and Pennsylvania Department of Transportation. March 2003. *Pennsylvania High-speed Maglev Project, Allegheny and Westmoreland Counties, Determination of Effects*. Prepared by the MSM Group. Pittsburgh, PA.

U.S. Federal Railroad Administration, Port Authority of Allegheny County, and Pennsylvania Department of Transportation. February 2005. *Pennsylvania High-Speed Maglev Project, Allegheny and Westmoreland Counties, Proximity Analysis*. Prepared by McCormick Taylor. Pittsburgh, PA.