

CHAPTER 5

LIST OF PREPARERS AND REVIEWERS

FEDERAL HIGHWAY ADMINISTRATION

Raegan Ball: FHWA (Division Office), Program Development Team Lead, 3.5 years experience with FHWA.

B.S. in Environmental Resource Management, Arizona State University, 2004

Kevin Irving: FHWA (Division Office), Transportation Engineer, 18 years with FHWA.

B.S. in Civil Engineering, University of Missouri-Rolla, 1994

Brian Nevins: FHWA (Division Office), Environmental Specialist, 6 years with FHWA.

B.S. in Mechanical Engineer, University of Missouri, 2002

MISSOURI DEPARTMENT OF TRANSPORTATION

Allan Zafft: MoDOT (Kansas City District), Transportation Planning Specialist, 12 years with MoDOT.

M.P.A. in Public Administration, University of Nebraska-Omaha, 2003

B.S. in Business Administration, University of Nebraska-Lincoln, 1998

Matt Killion: MoDOT (Kansas City District), Area Engineer, 14 years with MoDOT.

B.S. in Civil and Environmental Engineering, University of Missouri-Columbia, 1999

Lee Ann Kell: MoDOT (Kansas City District), Transportation Project Manager, 25 years with MoDOT.

B.S. in Civil Engineering, University of Missouri-Rolla, 1988

Joshua Scott: MoDOT (Kansas City District), Senior Highway Designer, 14 years with MoDOT.

B.S. in Civil Engineering, Iowa State University, 1998

Jeffrey Hardy: MoDOT (Kansas City District), District Design Engineer, 5 years with MoDOT.

B.S. in Civil Engineering, University of Missouri-Columbia, 1992

B.S. in Agricultural Engineering, University of Missouri-Columbia, 1992

Joseph Donner: MoDOT (Kansas City District), Certified Appraiser, 21 years with MoDOT.

Master Degree in Economics, University of Kansas City, 1980

Certified General Real Estate Appraiser No. RA002368

Lavonda Hughlon: MoDOT (Kansas City District), Senior Right of Way Specialist, 15 years with MoDOT.

Master Degree in Project Management, Keller School of Management, 2006

Lorene Bayan-Wilson: MoDOT (Kansas City District), Certified Appraiser, 1 month with MoDOT.

Bachelor Degree in Education, University of Kansas, 1973

Certified General Real Estate Appraiser No. RA 001436

Stowe Johnson: MoDOT (Central Office), Intermediate Environmental Specialist, 21 years with MoDOT.

B.A. in Environmental Studies, Columbia College, 2011

Charles Pursley: MoDOT (Central Office), Design Liaison Engineer, 29 years with MoDOT.

B.S. in Civil Engineering, University of Missouri- Rolla, 1984

Larry Ayres: MoDOT (Central Office), Senior Historic Preservation Specialist, 21 years with MoDOT.

M.S. in Secondary Education, University of Arkansas, 1988

M.A. in Anthropology, University of Arkansas, 1987

B.A. in Antiquities, Southwest Missouri State University, 1979

Bree McMurray: MoDOT (Central Office), Senior Environmental Specialist - Threatened and Endangered Species, 8 years with MoDOT.

M.S. in Applied Ecology, Eastern Kentucky University, 2001

B.S. in Systematics and Ecology, University of Kansas, 1995

Melissa A. Schepferle: MoDOT (Central Office), Senior Environmental Specialist, 9 years with MoDOT.

M.S. in Biology, Southwest Missouri State University, 2002

B.S. in Biology, Avila University, 1999

Chris Shulse: MoDOT Central Office, Senior Environmental Specialist, 16 years with MoDOT.

Ph.D. Biological Sciences, University of Missouri, 2011

M.S. Zoology, The Ohio State University, 1997

B.S. Biology, Culver-Stockton College, 1995

Matt Burcham: MoDOT Central Office, Senior Environmental Specialist, 20 years with MoDOT.

B.S. in Agriculture, Kansas State University, 1984

Mike Harms: MoDOT (Central Office), Structural Liaison Engineer, 24 years with MoDOT.
B.S. in Civil Engineering, University of Missouri-Rolla, 1980

Nate Muenks: MoDOT (Central Office), Sr. Environmental Specialist, 7 years with MoDOT
B.S. in Biology, Missouri State University, 2002

Toni Prawl: MoDOT (Central Office), Senior Historic Preservation Specialist, 20 years experience with MoDOT.

Ph.D. in Art History and Archaeology, University of Missouri-Columbia, 1994

M.A. in Housing and Interior Design, University of Missouri-Columbia, 1986

B.S. in Secondary Education, Northwest Missouri State University, 1984

B.S. in Home Economics, Northwest Missouri State University, 1984

CDM SMITH

Chris Nazar: CDM Smith (Kansas City Office), Senior Environmental Project Manager, 11 years with CDM Smith.

M.S. in Urban Planning, University of Toronto, 2001

B.A. in Economics and Urban Studies, University of Toronto, 1999

Randy Rowson: CDM Smith (Kansas City Office), Senior Transportation Planner, 14 years with CDM Smith.

M.A. in Urban and Regional Planning: University of Iowa, 1992

B.A. in Economics, University of Northern Iowa, 1989

Gina Murphy: CDM Smith (Kansas City Office), Transportation Planner, 7 years with CDM Smith.

M.A. in Urban Planning, University of Kansas, 2007

B.A. in Architectural Studies, University of Kansas, 2005

Lindsay Maki: CDM Smith (Lansing Office), GIS Analyst/Transportation Planner, 7 years with CDM Smith.

B.A. in Geography, Michigan State University, 2005

Randy Overmyer: CDM Smith (Phoenix Office), Senior Transportation Planner, 30 years with CDM Smith.

B.S. in Political Science, Arizona State University, 1976

Laura Kulecz: CDM Smith (Houston Office), Senior Transportation Planner, 25 years with CDM Smith.

M.S. in Urban and Environmental Planning: University of Virginia, 1994

B.A. in Geography and Geology, Radford University, 1978

Jaime Jespersen: CDM Smith (Helena Office), Senior Transportation Planner, 30 years with CDM Smith.

B.A. in Civil Engineering, Carroll College, 2008

Kitty Gaither: CDM Smith (Kansas City Office), Office Administration Coordinator, 6 years with CDM Smith.

Rajit Ramkumar: CDM Smith (Raleigh Office), GIS Analyst/Transportation Planner, 8 years with CDM Smith.

Master Degree in Civil Engineering, North Carolina State, 2005

B.T.E.C. in Civil Engineering, University of Kerala, India, 2002

Liza Amar: CDM Smith (Houston Office), Transportation Planner, 7 years with CDM Smith.

M.S. in Civil Engineering, North Carolina State, 2004

B.S. in Transportation Planning, North Carolina State, 2006

Barbara Wells: CDM Smith (Kansas City Office), Client Service Manager, 1 year with CDM Smith.

B.S. in Civil Engineering, Iowa State University, 1995

Henry Boucher: CDM Smith (Pittsburgh Office), Environmental Engineer, 34 years with CDM Smith.

Sc.B. in Materials Engineering, Brown University, 1970

M.S. in Environmental Engineering, Stanford University, 1972

HNTB

Gretchen Ivy: HNTB Corporation (Kansas City Office), Project Manager, Environmental Planning, 15 years with HNTB.

M.S. in Engineering Management, University of Kansas, 2006

B.S. in Civil Engineering, University of Missouri-Columbia, 1998

Tim Flagler: HNTB Corporation (Kansas City Office), Sr. Environmental Planner, 28 years with HNTB.

M.L.A. in Landscape Architecture, Kansas State University, 1985

M.A. in Fine Arts, Fort Hays State University, 1976

B.A. in Fine Arts, Fort Hays State University, 1974

Joe Blasi: HNTB Corporation (Kansas City Office), Transportation Planning Engineer, 9 years with HNTB.

M.S. in Transportation Engineering, Washington University, 2004

B.S. in Civil Engineering, Washington University, 2004

Derek Vap: HNTB Corporation (Kansas City Office), Engineer III – Highway Design, 6 years with HNTB.

M.S. in Civil Engineering, University of Missouri-Columbia, 2007

B.S. in Civil Engineering, University of Missouri-Columbia, 2006

Marc Whitmore: HNTB Corporation (Kansas City Office), Department Manager – Highway Design, 15 years experience, 6 years with HNTB.

B.S. in Civil Engineering, Kansas State University, 1998

ARCHEOLOGICAL REASEARCH CENTER

Robin Machiran: Archaeological Research Center of St. Louis, Inc. (ARC), Senior Cultural Resource Specialist, 7 years with ARC.

M.A. in History, University of Missouri-St. Louis, 2001

B.A. in Anthropology, University of Missouri-St. Louis, 1999

Joe Harl: Archaeological Research Center of St. Louis Inc., Senior Cultural Resource Specialist, 19 years with ARC

M.A. in Anthropology, Washington University, St. Louis, 1991

B.A. in Anthropology, University of Missouri St. Louis, 1980

Janet Kneller: Archaeological Research Center of St. Louis, Inc. (ARC), Senior Cultural Resource Specialist, 19 years with ARC.

B.A. in Anthropology, University of Missouri-St. Louis, 1989

Meredith Hawkins Trautt: Archaeological Research Center of St. Louis, Inc. (ARC), Cultural Resource Specialist, 5 years with ARC.

M.S. in Historical Archaeology, Illinois State University, 2007

B.A. in Anthropology, University of Missouri-St. Louis, 2005

John Klein: Archaeological Research Center of St. Louis, Inc. (ARC), Cultural Resource Specialist, 5 years with ARC.

M.A. in Geography, Southern Illinois University, 2013 (Expected)

B.A. in Sociology/Anthropology, Truman State University, 2005

HG CONSULT, INC.

Earl Harrison Jr.: Hg Consult, Inc., President, 3.5 years with Hg Consult.
B.S. Civil Engineering, Iowa State University, 1994

Eric Reinkemeyer: Hg Consult, Inc., President, 1.0 year with Hg Consult.
B.S. in Civil Engineering, University of Missouri-Kansas City, 2001

VIREO

Triveece Harvey: Vireo, Project Manager, 7 years with Vireo.
M.A. in Urban Planning, University of Kansas, 2002
B.A. in Architectural Studies, University of Kansas, 2000

CHAPTER 6

CIRCULATION LIST

U. S. Senators

Roy Blunt
Claire McCaskill

U. S. Representatives

Emanuel Cleaver

Governor

Jeremiah Nixon

State Senators

Shalonn Curls
Paul LeVota

State Representatives

Randy Dunn
Brandon Ellington
Tom McDonald
Judy Morgan

Federal Government Agencies

Federal Emergency Management Agency
Federal Railroad Administration
Missouri NRCS Clay and Jackson Field Office
U.S. Army Corps of Engineers
U.S. Coast Guard, Bridge Branch
U.S. Department of Agriculture/NRCS
U.S. Department of Housing and Urban Development
U.S. Department of the Interior
U.S. Department of the Interior, National Park Service, Midwest Field Area
U.S. Environmental Protection Agency, Region VII
U.S. Fish and Wildlife Service

State Government Agencies

Missouri Department of Conservation
Missouri Department of Conservation, Regional Forestry
Missouri Department of Natural Resources
Missouri Federal Assistance Clearinghouse
Missouri Emergency Management Agency

Local Agencies and Organizations

City of Kansas City, Missouri
City of Kansas City, Missouri Public Works
City of Kansas City, Missouri Parks and Recreation
City of Kansas City, Missouri Planning and Development
Jackson County - County Executive Office
Jackson County - Public Works
Kansas City Area Transportation Authority
Kansas City Chamber of Commerce
Kansas City Economic Development Corporation
Mid-America Regional Council

CHAPTER 7

LIST OF ACRONYMS

AADT	Average Annual Daily Traffic
ADA	Americans with Disability Act
APE	Area of Potential Effect
BLS	Bureau of Labor Statistics
CAA	Clean Air Act
CAAP	Clean Air Action Plan
CAG	Community Advisory Group
CBD	Central Business District
CCT	Community Connections Team
CFR	Code of Federal Regulations
CMS	Congestion Management System
CO	Carbon Monoxide
CWA	Clean Water Act
dB	Decibel
DOT	Department of Transportation
EDR	Environmental Data Resources
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FIS	Flood Insurance Study
HSM	Highway Safety Manual
HUD	U.S. Department of Housing and Urban Development
ITS	Intelligent Transportation System
KCATA	Kansas City Area Transit Authority
KCPD	Kansas City Police Department
Leq	Equivalent Sound Level
L RTP	Long Range Transportation Plan
MAP-21	Moving Ahead for Progress in the 21 st Century Act
MARC	Mid-America Regional Council
MDC	Missouri Department of Conservation
MERIC	Missouri Economic Research and Information Center
MLS	Multiple Listing Service
MoDED	Missouri Department of Economic Development
MDNR	Missouri Department of Natural Resources
MoDOT	Missouri Department of Transportation
MSA	Metropolitan Statistical Area
MSATs	Mobile Source Air Toxics

NAAQS	National Ambient Air Quality Standards
NAC	Noise Abatement Criteria
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x	Nitrogen Oxide
NRCS	Natural Resource Conservation Service
NRHP	National Register of Historic Places
NWI	National Wetland Inventory
O ₃	Ozone
OGL	Operation Green Light
OMB	Office of Management and Budget
Pb	Lead
PEM	Palustrine Emergent
PM _{2.5}	Particle Matter 10 microns or smaller
PM ₁₀	Particle Matter 2.5 microns or smaller
PPB	Parts Per Billion
PPM	Parts Per Million
RCRA	Resource Conservation and Recovery Act
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SEMA	State Emergency Management Agency
SHPO	State Historic Preservation Office
SIU	Section of Independent Utility
STIP	Statewide Transportation Improvement Program
SO ₂	Sulfur Dioxide
TA	Technical Advisory
TDM	Transportation Demand Management
TMP	Traffic Management Plan
TSM	Transportation System Management
USACE	United States Army Corps of Engineers
USFWS	United States Fish and Wildlife Service
USPS	United States Postal Service
VAU	Visual Assessment Unit
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compound

CHAPTER 8

REFERENCES

23 CFR 772. *Procedures for Abatement of Highway Traffic Noise and Construction Noise*.

American Public Transportation Association. Web page: <http://www.apta.com>.

Arizona Department of Transportation. 2005. *Atmospheric Effects Associated with Highway Noise Propagation*. October.

City of Kansas City, Missouri Assessed Value and Actual Value of Taxable Property Last Ten Fiscal Years.

Economic Development Corporation of Kansas City, Missouri (EDC). Web page: <http://www.edckc.com>.

Environmental Protection Agency. Web page: <http://www.epa.gov/air/criteria>.

Federal Emergency Management Agency Floodplain GIS data. Web page: <http://www.fema.gov/hazard/flood/info.shtm>.

Federal Highway Administration (FHWA). 1980. *Noise Fundamentals Training Document: Highway Noise Fundamentals*. September.

Federal Highway Administration (FHWA). 2010. *Highway Traffic Noise Website*. Accessed on March 23, 2010 at: <http://www.fhwa.dot.gov/environment/htnoise.htm>.

Federal Highway Administration (FHWA). 2011. *Highway Traffic Noise Analysis and Abatement Guidance*. December. Available at: http://www.fhwa.dot.gov/environment/noise/regulations_and_guidance/analysis_and_abatement_guidance/revguidance.pdf. Accessed on: December 24, 2012.

FHWA Planning, Environment, and Realty. Web page: <http://www.fhwa.dot.gov/planning>.

FHWA. *Interim Guidance Update on Mobile Source Air Toxic Analysis in NEPA Documents*. December 6, 2012. Accessed on May 16, 2013. Available at: http://www.fhwa.dot.gov/environment/air_quality/air_toxics/policy_and_guidance/aqintguidemem.cfm

Home Builders Association of Greater Kansas City. Web page: <http://www.kchba.com>.

Kansas City Area Transportation Authority. Web page: <http://www.kcata.org>.

Kansas City Missouri (local) Historic Register. Web page:
<http://www.kcmo.org/planning.nsf/plnpres/hisprshm?opendocument>

Kansas City Scout. Web page: <http://www.kcscout.net>.

Kansas City, Missouri Landmarks Commission. Web page:
http://www.kansascity.citysearch.com/5827600/kansas_city_mo/landmarks_commission.

Mid-America Regional Council's Metro Dataline. Web page: <http://www.metrodataline.org>.

Midwest Research Institute. Web page: <http://www.mriresearch.org>.

Missouri Department of Conservation Natural Heritage Database. Web page:
<http://www.mdc.mo.gov/nathis/heritage>.

Missouri Department of Conservation. Web page: <http://www.mdc.mo.gov>.

Missouri Department of Economic Development. Web page:
<http://www.missouridevelopment@ded.mo.gov>.

Missouri Department of Natural Resources, State Historic Preservation Office. Web page:
<http://www.dnr.mo.gov/shpo>.

Missouri Department of Natural Resources. Web page: <http://www.dnr.mo.gov>.

Missouri Department of Transportation Noise Policy on Highway Traffic Noise and Construction Noise, Article 127.13 of the Engineering Policy Guide, July 2011.

National Association of Realtors Multiple Listing Service. Web page: <http://www.realtors.com>.

National Register of Historic Places. Web page: <http://www.nps.gov/nr/research>.

National Wetlands Inventory. Web page: <http://www.fws.gov/wetlands>.

Office of Community Planning and Development - HUD. Web page:
<http://www.hud.gov/offices/cpd>.

The National Highway System. Web page: <http://www.fhwa.dot.gov/planning/nhs>.

U.S. Army Corps of Engineers. Web page: <http://www.usace.army.mil>.

U.S. Census Bureau, Census 2000. Web page: <http://www.census.gov>.

U.S. Department of Agriculture. Web page: <http://www.usda.gov>.

U.S. Environmental Protection Agency (USEPA). 1971. *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances*.

U.S. Fish and Wildlife Services Threatened and Endangered Species Systems (TESS). Web page: http://www.ecos.fws.gov/tess_public.

U.S. Fish and Wildlife Services. Web page: <http://www.fws.gov>.

Weather Underground. 2013. March 12 and 13, 2013 Weather Data from Kansas City, Missouri (KMOKANSA35). Available at:
<http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=KMOKANSA35&day=12&month=03&year=2013> and
<http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=KMOKANSA35&day=13&month=03&year=2013>. Accessed on: March 13, 2013.

(This page left intentionally blank)