

LIST OF PREPARERS

Name	Title	Agency	Primary Responsibility	Qualifications
FHWA				
Johnny Gerbitz	Field Operations Engineer	FHWA	Reviewer	B.S. Civil Engineering; experience since 1960 in highway design, construction, and environmental assessment
Jaclyn D. Lawton	Environmental Programs Engineer	FHWA	Reviewer	B.S., Civil Engineering; experience since 1975 in highway design and environmental assessment, including FHWA Environmental Coordinator
State Agencies				
Carolyn Amegashie	Program and Policy Analyst	WisDOT, Bureau of Equity and Environmental Services	Program and policy analyst; DEIS review for environmental justice and economic development and business	B.A., Management, M.A., Public Policy and Administration; experience since 1992 with WisDOT as a program and policy analyst
Michelle Elias	Planning Project Manager	WisDOT District 1	Project Manager beginning in January 2004; DEIS review for environmental and design aspects, and public and agency involvement	B.S. Civil Engineering, UW-Platteville; experience since 1990 in transportation design, construction, and planning with Iowa and Wisconsin DOT's
Susan M Fox	District 1 Liaison (until January 2001)	WisDOT, Bureau of Environment	Project coordination for land use, secondary effects, environmental justice, 4(f) sites, and other socioeconomic issues	B.A., English; M.A. Library Science, M.S., Urban and Regional Planning; experience since 1989 in environmental coordination and review
Rosanne Meer	Environmental Coordinator	WisDOT District 1	Environmental Analysis and Review Specialist; DEIS review of environmental issues and for NEPA and WEPA compliance	B.A., M.S., Anthropology, experience since 1974 in cultural resource management; experience since 1998 as Transportation Environmental Coordinator
Dan Preuss	Planning Supervisor, Project Manager	WisDOT District 1	Planning Supervisor; DEIS review for environmental and design aspects and public involvement. Project manager until January 2004.	B.S., CEE from UW – 27 years experience in public works and WisDOT transportation projects.
Robert S. Newbery		WisDOT Bureau of Equity and Environmental Services	Section 106 review for historical resources	M.A. U.S. History; experience since 1980 in historical resources issues as staff historian and environmental coordination and review.
Michael Rewey, P.E.		WisDOT District 1	Systems Planning Chief; DEIS review for environmental and design aspects	B.S., Civil Engineering; experience since 1968 with WisDOT overseeing planning programming, development, inventory, access and studies
Scott Simmons	Planning Project Manager	WisDOT District 1	Project Manager until January 2004; DEIS review for environmental and design aspects, and public and agency involvement	B.S., CEE 1985, UW-Madison. Experience since 1986 with WisDOT
Shirley Stathas		WisDOT, Bureau of Equity and Environmental Services	Archaeology program manager liaison with Native American Tribes, Section 106 coordinator for archaeological resources	B.S. Speech Therapy and English; experience since 1985 in archaeological resources issues and environmental coordination and review
Sharlene Tebeest	Hazardous Materials Specialist /District 1 Liaison	WisDOT Bureau of Equity and Environmental Services	DEIS review for land use, secondary effects, environmental justice, Section 4(f), environmental justice and hazardous materials assessment	B.A. Environmental Studies, 1986 Experience since 1991 in analysis of highway project environmental impacts.
Jay Waldschmidt, P.E.		WisDOT, Bureau of Equity and Environmental Services	DEIS review for air and noise issues and legal sufficiency	B.S., Civil Engineering; experience since 1975 in highway project development and environmental review
Consultants				

Suheil Acra	Environmental Quality Engineer	HNTB Corporation	Noise Analysis, air quality assessment	B.S. Civil Engineering M.S. Civil Engineering 15 years experience
Greg Baer, P.E.	Sr. Transportation Engineer	HNTB Corporation	Geometric design of highways and interchanges	B.S. Civil and Environmental Engineering, University of Wisconsin-Madison, 16 years experience.
Rob Beuthling	Traffic Planning Engineer	HNTB Corporation	Traffic Studies	B.S. Civil Engineering, University of Wisconsin-Madison, 4 years experience
Scott Cramer	Environmental Specialist	KL Engineering	Wetland Impacts, Agricultural Impacts,	B.S. Biology, Western Michigan University, 12 years experience
John Jaeckel, P.E.	Principal Engineer - Environmental Quality	HNTB Corporation	Noise Analysis, air quality assessment	BS Applied Science and Engineering, Energy Conversion University of Wisconsin - Milwaukee 32 years experience
Chris Johnson	Transportation Planner	HNTB Corporation	Traffic Analyses and Forecasting GIS mapping and analysis	B.S. History MS Urban and Regional Planning, 10 years experience
Jennifer R. Harvey	President	GLARC	Archaeological Studies	Bachelor of Arts, Anthropology 1992 Marquette University Bachelor of Arts, History 1992 Marquette University Master of Arts, Anthropology 1995 University of South Carolina 11 years experience
Matthew T. Hintze, P.E.	Associate Vice President	HNTB Corporation	Project Manager	BS Civil & Environmental Engineering - 1983, 20 years experience
Derek Hungness	Chief Planner	HNTB Corporation	Traffic Analysis and Forecasting	M.S. Regional and Community Planning, 15 years experience
David Layton		HNTB Corporation	Geometric design of highways	BS Civil Engineering 2001, University of Wisconsin Platteville, engineering experience since 2001
Jennifer Rybarczak		HNTB Corporation	GIS mapping and analysis	Masters of Urban Planning – 2001 UW Milwaukee, experience since 2000 in planning and GIS.
Emily Schill	Historian	Mead & Hunt	Historic Surveys	M.A. Public History, 4 years experience
Carolyn Seboe	Planner	HNTB Corporation	Land Use Analysis and Secondary & Cumulative impacts review	B.S. Geography M.S. Urban Planning 3 years experience
Amy Squitieri	Historian	Mead & Hunt	Historic Surveys	M.A. Architectural History, 11 years experience
Kristin Turner, E.I.T.	Traffic Engineer	HNTB Corporation	Traffic Studies, GIS mapping	ME, Transportation Engineering, 2003 Texas A&M University BS, Civil Engineering, 2002 Michigan State University, 1 year experience
Robert J. Watson	Archaeologist	Great Lakes Archaeological Research Center (GLARC)	Archaeological Studies	B.A., Anthropology 1989 University of Wisconsin-Madison B.A., History 1989 University of Wisconsin-Madison M.S., Anthropology 1993 University of Wisconsin-Milwaukee Doctor of Philosophy, in progress, University of Wisconsin-Milwaukee, 15 years experience
Constance White, AICP	Senior Transportation Planner	HNTB Corporation	EIS Author, GIS mapping, Public Involvement, Agency Coordination	B.S. Natural Resource Management, University of Michigan, experience since 1988 in environmental review and documentation and land use planning.
Jodi Wolfe	Graphic Designer	HNTB Corporation	Graphics, public involvement, media coordination	Bachelor of Arts, Journalism, 1998, UW-Oshkosh, experience since 1999 in graphic design and public involvement and media.

GLOSSARY OF TERMS AND ACRONYMS

Another helpful tool is the US DOT Bureau of Transportation's web version of the glossary *Transportation Expressions*, which can be found at <http://www.bts.gov/btsprod/expr/expsearch.html>

106 (Section 106), Section 106 of the National Historic Preservation Act, requires Federal agencies to take into account the effects of their undertakings on historic properties

4(f) (Section 4(f)), Section 4(f) of the Department of Transportation Act dealing with impacts on historic places, parks, and wildlife refuges

404 (Section 404), Section 404 of the Clean Water Act requires the proponents of projects affecting waters of the US (including wetlands) to obtain a permit from the Corps of Engineers

6(f) (Section 6(f)), Section 6(f) of the Land and Water Conservation Fund, which is used to fund publicly owned parks and conservation areas

AADT, Annual Average Daily Traffic

ACHP, Advisory Council on Historic Preservation

ADA, Americans with Disabilities Act

ADT, Average Daily Traffic

AIS, Agricultural Impact Statement

Advisory Committee, a citizen committee was formed early in the NEPA process with representatives from each affected community including the City of Fort Atkinson, Jefferson County, Rock County, and the Towns of Lima, Milton and Koshkonong. The purpose of the committee was to provide WisDOT with project input from a local perspective. The committee met frequently throughout the environmental impact study.

APE, Area of Potential Effects

BIA, Bureau of Indian Affairs

BMP, Best Management Practices, state of the art technology as applied to a specific problem such as soil erosion

BOA, Wisconsin Department of Transportation Bureau of Aeronautics

BOE, Wisconsin Department of Transportation Bureau of Environment (see also BEES, Bureau was reorganized in 2004 as BEES, the Bureau of Equity and Environmental Services.

CBD, Central Business District

CEQ, Council on Environmental Quality – CEQ oversees federal agency implementation of the environmental impact assessment process

CFR, Code of Federal Regulations

cl, centerline

COE (USACE) (Corps), US Army Corps of Engineers

Cooperating Agency, any federal agency other than the lead agency that has jurisdiction by law or special expertise with respect to the environmental impacts expected to result from a proposal

Corps (USACE) (COE), US Army Corps of Engineers

D for C, Documentation for Consultation

Dingell-Johnson, Federal Aid in Sport Fish Restoration Act provides funding for state fish restoration and management plans and projects

DATCP, Wisconsin Dept. of Agriculture, Trade and Consumer Protection

decibel (dB), a unit of measurement for noise

DEIS, Draft Environmental Impact Statement

DHV, Design Hourly Volume

District, WisDOT District office, the project is located in District 1 in Madison

DNAE, Determination of No Adverse Effect

DNR, Wisconsin Department of Natural Resources

DOE, Determination of Eligibility

DOT, Department of Transportation

E.O. 12898, Executive Order on Environmental Justice

EA, Environmental Assessment

EIS, Environmental Impact Statement

Endangered species, species identified by either the State or the Federal government as likely to be in danger of becoming extinct through a significant portion of or all of its range.

EPA, Environmental Protection Agency

ESA, Endangered Species Act of 1973

FAA, Federal Aviation Administration

FEIS, Final Environmental Impact Statement

FEMA, Federal Emergency Management Agency

FHWA, Federal Highway Administration

GIS, Geographic Information System

Haz mat, hazardous materials or hazardous substances

Historic Property or Resource, Under the NHPA, any district, site, building, structure or object included in or eligible for the NRHP

I (e.g. I90, I39), Interstate Highway

km, kilometer

LAWCON, Land and Water Conservation Fund, *see also* 6(f).

Lead Agency, the federal agency responsible for preparing an Environmental Impact Statement

Listed animal or plant species, refers to a species that is listed as a State or Federal threatened or endangered species. Before a plant or animal species can receive protection under the State or Federal Endangered Species Act, it must first be placed on the state or federal lists of endangered and threatened wildlife and plants

LOP, Letter of permission from USACE for Section 404

LOS, Level of Service. LOS refers to the overall quality of traffic flow at an intersection or mainline section. Levels range from very good, represented by LOS A, to very poor, represented by LOS F. LOS C or better operating conditions are typically considered acceptable.

LT, TH, RT, left-through, through, right-through traffic movements at an intersection

LUST, Leaking Underground Storage Tank

m, meter

mi, mile

MLS, Multiple Listing Service

MOA, Memorandum of Agreement

MVMT, Million vehicles miles of travel

NAC, Noise Abatement Criteria

NEPA, National Environmental Policy Act

NHS, National Highway System

NPS, National Park Service

NRCS, Natural Resource Conservation Service

NRE, National Register Eligible

NRHP (the Register), National Register of Historic Places, the official list of cultural resources worthy of preservation, administered by the National Park Service

NWP, Nationwide Permit from USACE for Section 404

O-D, Origin–Destination

Pittman-Robertson, Federal Aid in Wildlife Restoration Act, it provides federal aid to the states for the management and restoration of wildlife, funded through an excise tax, it supports a variety of wildlife projects, including acquisition and improvement of wildlife habitat

Phase 1, Phase 1 Hazardous Materials Survey

Phase 2, Phase 2 Hazardous Materials Survey

Phase I, Phase I Archaeological Survey

Phase II, Phase II Archaeological Survey

Principal arterial,

R/W (ROW), Right of Way

Register, the (NRHP), National Register of Historic Places

County N (et al), County Trunk Highway N (et al)

ROD, Record of Decision

ROW, Right-of-Way

Section 106, Section 106 of the National Historic Preservation Act requires that federal agencies consider the effects of their actions on historic properties

SHPO, State Historic Preservation Officer

Special Concern species,

TAZ, Traffic Analysis Zones

TDM (Transportation Demand Measures), the use of incentives, and market devices to shift travel into non-motorized or higher-occupancy modes, and/or shift travel onto less congested routes.

THPO, Tribal Historic Preservation Officer

Threatened species, species identified by either the State or the Federal government as likely to be in danger of becoming endangered in the foreseeable future.

Title VI, Title VI of the 1964 Civil Rights Act

Tribe, Native American Tribe

Trust, the (National Trust), The National Trust for Historic Preservation

TSM (Transportation System Management), low cost improvements seeking to maximize the capacity of the existing transportation system

US 12, United States Highway 12

USACE (Corps) (COE), U.S. Army Corps of Engineers

USFWS, U.S. Fish and Wildlife Service

USGS, U.S. Geological Survey

UST, Underground Storage Tank

V/C, Volume to capacity ratio

VMT, Vehicle miles of travel

WHS, Wisconsin Historical Society

WIS (e.g. WIS 26), Wisconsin State Highway

WisDOT, Wisconsin Department of Transportation

INDEX

A

AADT. *See* Annual Average Daily Traffic
 access, 15, 16, 17, 18, 19, 21, 24, 37, 38, 39, 40, 42, 43, 44, 82, 86, 87, 93, 103, 104, 111, 121, 122, 125, 130, 136
 ADT. *See* Average Daily Traffic
 Advisory Committee, 4, 34
 aesthetics, 98, 105, 162, 163, 197, 199
 agency coordination, i, 34, 41, 209, 210
 agricultural impacts, 129
 agriculture
 use-value assessment, 22
 Agriculture, 129
 Agricultural Impact Statement, 129
 air quality, 90, 96, 165
 Allen Creek, 94, 145, 146, 155, 156, 157, 158, 162
 alternatives, 4, 33, 34, 35
 eliminated from further study, 34, 37
 maps, 7, 13, 51, 53, 59, 61, 63, 65
 selected for detailed study, 34
 Annual Average Daily Traffic, 18
 archaeology, 39, 97, 193
 Average Daily Traffic, 29, 67, 69, 71, 73, 75, 77

B

backbone system, 4, 15, 25, 83
 bicycles, 81, 82, 83, 109, 110, 121
 bicyclists, 16, 37, 198
 Blandings turtle, 147
 Bureau of Equity and Environmental Services, i
 business impacts, 92, 103, 107, 121, 122

C

climate, 3
 community impacts, 92, 104, 105, 107, 121, 135, 182
 Concurrent NEPA/404 Processes for Transportation Projects Guidelines, iii, 41, 210
 congestion, 17, 18, 24, 38
 connector route, 15, 34, 37, 39
 cooperative agreement, iii
 Corridors 2020, 4, 15, 16, 23, 25, 34, 37, 39, 43, 83, 91, 103
 crashes, 17, 19, 83, 86, 91, 103, 104

D

DATCP, 129, 130, 136, 210
 Department of Agriculture, Trade, and Consumer Protection. *See* DATCP
 DNR, iii, 38, 41, 146, 147, 148, 150, 155, 157, 161, 177, 210, 212

E

economic centers, 4, 15, 39
economic development, 20, 21, 81, 85, 107
economics, 91, 92, 103, 121
employment, 20, 21, 41, 85, 104, 123, 126
energy, 179
environmental commitments, 205
environmental justice, 93, 114, 121, 139, 140, 211
environmental streamlining, iii, 41
EPA, iii, 210
erosion, 95, 148, 158, 162

F

Federal Highway Administration. *See* FHWA
FHWA, i, 42, 118, 140, 148, 169, 181, 195, 209
floodplain, 40, 90, 94, 155, 157, 158

G

geology, 3, 94
groundwater, 3

H

hazardous substances, 97, 177
heavy trucks, 16, 24, 38, 179
historic district, 37
historic properties, 38, 41, 43, 89, 90, 97, 107, 181, 185, 187, 189, 191, 194, 197, 210, 214
hydrology, 3

I

income, 108, 139, 212

J

Jefferson County Highway N, 35, 40
jurisdictional transfer, 34, 41, 89, 214

K

karst, 3

L

labor force, 21
land use, 18, 20, 21, 24, 31, 81, 85, 86
level of service, 16, 24

M

Main Street, 18, 19, 37, 38, 39, 43, 81
Managed Forest Law Land, 162
manufacturing, 22
mitigation measures, 205

N

National Environmental Policy Act. *See* NEPA
National Highway System, 15, 16, 23, 34, 39
NEPA, i, iii, 34, 41, 209, 230
noise, 18, 24, 90, 96, 105, 114, 135, 167, 168, 169

P

parking, 16, 37
pavement condition, 20
pedestrians, 16
population, 20, 107
preferred alternative, 4, 33, 207, 209
project description, 4
public involvement, 211
purpose and need, 33

R

regional mobility, 17
regional traffic, 18
regional trips, 17
relocation impacts, 39, 41, 89, 116, 123, 135
residential impacts, 85, 92, 104, 107, 197
Robert L. Klement Business Park, 86, 104, 122, 127

S

safety, 15, 16, 17, 19, 20, 24, 34, 37, 38, 42, 81
Section 404, 156, 210
State Highway. *See* WIS
stormwater, 95, 158
streams, 90, 94, 145, 155
study area, 5

T

taxes, 114
Taxes, 104
telephone survey, 22, 85
third bridge, 38, 217
Third Street, 18, 44
threatened and endangered species, 147
tourism, 22
trade center, 15
traffic volumes, 67
two-way left turn lane, 38
typical sections, 9, 11, 49, 59

U

upland habitat, 90, 94, 161

US 12

description of, 15

US Army Corps of Engineers, iii, 210

US Fish & Wildlife Service, iii

USACE. *See* US Army Corps of Engineers

USFWS, 147, *See* US Fish & Wildlife Service

W

wetlands, 38, 40, 41, 44, 86, 90, 93, 145, 151, 153, 155, 156, 161

WIS 26, 38, 39, 40, 43, 44

Wisconsin Historical Society, 39, 210

woodland, 86, 90, 129, 161, 197