

REFERENCES

- American Association of State Highway and Transportation Officials (AASHTO). Proposed AASHTO Guide Specifications for Analysis and Identification of Fracture Critical Members and System Redundant Members. 2018.
- American Association of State Highway and Transportation Officials (AASHTO) Center for Environmental Excellence. Integration of Climate Change Projections in Hydrologic and Hydraulic Design in Transportation Projects. 2022.
- American Association of State Highway and Transportation Officials (AASHTO) Center for Environmental Excellence. Practitioner's Handbook 12, Assessing Indirect Effects and Cumulative Impacts Under NEPA. August 2016.
- Amtrak. Amtrak Connect US. Amtrak's Vision: Madison-Milwaukee-Chicago. <https://www.amtrakconnectsus.com/maps/chicago-milwaukee-madison/>. Accessed May 2023.
- Bent, Gardner C., John R. Gray, Kirk P. Smith, and G. Douglas Glysson. U.S. Geological Survey, in cooperation with FHWA. A Synopsis of Technical Issues for Monitoring Sediment in Highway and Urban Runoff. 2001.
- Bureau of Reclamation. SRH-2D (Sediment and River Hydraulics). <https://www.usbr.gov/tsc/techreferences/computer%20software/models/srh2d/index.html>. Accessed January 30, 2024.
- City of Madison Engineering. Hidden Infrastructure. Stormwater Drainage System. <https://www.cityofmadison.com/engineering/stormwater/education/stormwater-drainage-system>. Accessed July 11, 2023.
- City of Madison Parks Division. 2018-2023 Park and Open Space Plan. October 30, 2018.
- City of Madison Parks Division. Find a Park. Honeysuckle Park. <https://www.cityofmadison.com/parks/find-a-park/park.cfm?id=1224>. Accessed September 20, 2022.
- City of Madison Parks Division. Find a Park. Droster Park. <https://www.cityofmadison.com/parks/find-a-park/park.cfm?id=1155>. Accessed September 20, 2022.
- City of Madison Parks Division. Find a Park. Yahara Hills Park (West) Park. <https://www.cityofmadison.com/parks/find-a-park/park.cfm?id=1390>. Accessed September 20, 2022.
- City of Madison Parks Division. Find a Park. Heritage Prairie Park. <https://www.cityofmadison.com/parks/find-a-park/park.cfm?id=1200>. Accessed September 20, 2022.
- City of Madison Parks Division. Find a Park. Hiestand Woods Park. <https://www.cityofmadison.com/parks/find-a-park/park.cfm?id=1208>. Accessed June 22, 2023.
- City of Madison Parks Division. Find a Park. Hiestand Park. <https://www.cityofmadison.com/parks/find-a-park/park.cfm?id=1207>. Accessed June 22, 2023.
- City of Madison Parks Division. Find a Park. Parks Map. <https://www.cityofmadison.com/parks/images/map/ParksMap.pdf>. Accessed August 18, 2023.

- City of Madison Parks Division. Find a Park. Galaxy Park. <https://www.cityofmadison.com/parks/find-a-park/park.cfm?id=1407>. Accessed September 20, 2022.
- City of Madison Parks Division. Find a Park. Town Center Park. <https://www.cityofmadison.com/parks/find-a-park/park.cfm?id=1360>. Accessed September 20, 2022.
- City of Madison Parks Division. Find a Park. Door Creek Park. <https://www.cityofmadison.com/parks/find-a-park/park.cfm?id=1154>. Accessed September 20, 2022.
- City of Madison Parks Division. Find a Park. Glacier Hill Park. <https://www.cityofmadison.com/parks/find-a-park/park.cfm?id=1179>. Accessed September 20, 2022.
- City of Madison Parks Division. Find a Park. Sandburg Park. <https://www.cityofmadison.com/parks/find-a-park/park.cfm?id=1338>. Accessed June 23, 2023.
- City of Madison Parks Division. Find a Park. <https://www.cityofmadison.com/parks/find-a-park/park.cfm?id=1186>. Accessed June 23, 2023.
- City of Madison Parks Division. Find a Park. Churchill Heights Park. <https://www.cityofmadison.com/parks/find-a-park/park.cfm?id=1261>. Accessed September 20, 2023.
- City of Madison Parks Division. Galaxy Park Master Plan. June 13, 2018. <https://www.cityofmadison.com/parks/documents/Galaxy%20Park%20Master%20Plan%20Report.pdf>. Accessed July 6, 2023.
- City of Madison. Planning Division. Comprehensive Plan – Part 1 People Powered Planning. <https://plans.cityofmadison.com/comprehensive-plan-part-1#33>. Accessed November 28, 2022.
- City of Madison. Sprecher Neighborhood Development Plan Recommendations for Land Use and Development. January 1998 as amended.
- Code of Federal Regulations. Title 23 CFR Part 650 Subpart A Location and Hydraulic Design of Encroachments on Flood Plains. 2024.
- Commonwealth Heritage Group. Phase I Archaeological Survey Report. WISDOT Project ID 1012-05-01 IH 39 STH 60 to Levee Road, Columbia County and WISDOT Project ID 1015-05-00 IH 90 STH 16/USH 12 to IH 39, Columbia, Juneau, Sauk Counties. January 2023.
- Commonwealth Heritage Group. Phase I Archaeological Survey Report. WISDOT Project ID 1012-05-02 IH 39 Madison-Portage, USH 12/18 to STH 60, Dane and Columbia Counties. October 2022.
- Construction and Materials Support Center University of Wisconsin-Madison. Majors Program Cost Estimating Software User Manual, Tool Version 3.6. September 2020.
- Council on Environmental Quality. Considering Cumulative Effects Under the National Environmental Policy Act, January 1997.
- Dane County GIS Catalog. Discover Dane County. Planning. <https://gis-countyofdane.opendata.arcgis.com/pages/planning>. Accessed March 12, 2024.
- Dane County Parks. McCarthy Youth & Conservation County Park. <https://parks-lwr.dane-county.gov/park/McCarthyYouthConservation>. Accessed September 20, 2022.

- Dane County Parks. State Fisheries Areas. Cherokee Marsh Fishery Area. <https://parks-lwrld.countyofdane.com/WildlifeArea/Cherokee-Marsh-Wildlife-Area>. Accessed September 20, 2022.
- Dane County Parks. Token Creek County Park. <https://www.danecountyparks.com/park/TokenCreek>. Accessed June 23, 2023.
- Dane County Planning & Development. 2022 Dane County Farmland Preservation Plan Volume I: Background, Policies & Plan Development As adopted by the Dane County Board of Supervisors. December 15, 2022.
- Federal Emergency Management Agency. Executive Order 11988 Floodplain Management. May 1977. <https://www.fema.gov/glossary/executive-order-11988-floodplain-management>. Accessed January 23, 2024.
- Federal Register Vol. 59, No. 32. Executive Order 12898 of February 11, 1994, Federal Actions To Address Environmental Justice in Minority Populations and Low-Income Populations. February 16, 1994.
- Federal Register. Executive Order 14096: Revitalizing Our Nation's Commitment to Environmental Justice for All. April 21, 2023.
- GEI Consultants, Inc. Threatened and Endangered Species Report: Interstate Highway 39 WisDOT Project ID: 1015-05-00. 2023.
- GEI Consultants, Inc. I-39/90/94 2023 Bat Survey Tech Memo 1015-05-00 Sauk, Juneau, Columbia, and Dane County, Wisconsin GEI Project No. 2210696. December 11, 2023.
- GEI Consultants, Inc. Rare Species Report Interstate Highway 39/90/94, Intersection with USH 12/18 to Intersection with Dees Road WisDOT Project ID: 1015-05-00 Dane, Columbia, Sauk, and Juneau Counties, Wisconsin. December 11, 2023.
- GEI Consultants, Inc. Wetland Delineation Report I-39, US 12/18 to WIS 60 and Wetland Delineation Report WIS 60 to Dees Rd, I-39/90/94 to I 90/94-County N, I-39/90/94-US 151 to US 151-Reiner Rd. January 19, 2023 and February 14, 2023.
- GEI Consultants. Biological Assessment, I-39/90/94, Wisconsin Dells to Madison (WisDOT Project 1015-05-00). April 30, 2024.
- Greater Madison Metropolitan Planning Organization. Connect Greater Madison 2050 Regional Transportation Plan: Executive Summary. May 2022.
- Greater Madison Metropolitan Planning Organization. Madison Metropolitan Area and Dane County 2023-2027 Transportation Improvement Program. October 2022.
- Groundswell Conservancy. Special Places. <https://groundswellconservancy.org/view-all-projects/>. Accessed September 20, 2022.
- I-39/90/94 Study, letter, study cancellation. <https://wisconsindot.gov/Documents/projects/by-region/sw/399094/i399094study.pdf>. Accessed December 5, 2023.
- Ice Age Trail Alliance. Ice Age National Scenic Trail Hiker Resource Map. <https://iceagetrail.maps.arcgis.com/apps/webappviewer/index.html?id=5ff8f517b1e34d46bb70ed21b36286c6>. Accessed January 14, 2024.
- Karner Blue Butterfly NCP Partners in Protection. Karner Blue Butterfly HCP Management Guideline. Construction, Maintenance, Repair and Management Guideline (aka Construction Guideline). Revision: 01. May 7, 2010.

- Levee Working Group. Preliminary Caledonia-Lewiston Levee Analysis. Undated.
<https://www.co.columbia.wi.us/columbiacounty/Portals/17/LEVEE/Levee%20Report%20-FINAL.pdf?ver=2014-11-26-120211-610>. Accessed January 11, 2024.
- NASA 2023. Global Climate Change Vital Signs of the Planet. <https://climate.nasa.gov/vital-signs/carbon-dioxide/#:~:text=Since%20the%20onset%20of%20industrial,ice%20age%20%2C000%20years%20ago.>
- National Archives Catalog. Wisconsin NHL Aldo Leopold Shack and Farm.
<https://catalog.archives.gov/id/106779899>. Accessed May 12, 2023.
- National Archives Catalog. Wisconsin SP Leopold, Aldo, Shack.
<https://catalog.archives.gov/id/106782466>. Accessed May 12, 2023.
- National Park Service. Land and Water Conservation Fund.
<https://www.nps.gov/subjects/lwcf/protection.htm>. Accessed January 22, 2024.
- Sauk County Farmland Preservation Plan. Sauk County Farmland Preservation Plan. 2013.
- Stantec. Interstate 90: Wisconsin Dells to Portage Wetland Delineation. June 30, 2022.
- Stantec. Interstate Highway 39: Madison to Portage Wetland Delineation. Undated.
- The Aldo Leopold Foundation. Hours and Location. <https://www.aldoleopold.org/visit/>. Accessed September 28, 2022.
- Town of Caledonia. Town of Caledonia Comprehensive Plan 2030. Adopted July 8, 2009.
- US Army Corps of Engineers St. Paul District. St. Paul District Stream Mitigation Procedures Version 1.0. April 2023.
- U.S. Census Bureau. Economic Census, 2017: ECN Core Statistics Summary Statistics for the U.S., States, and Selected Geographies: 2017.
- U.S. Department of Transportation Federal Highway Administration. Memorandum: Updated Interim Guidance on Mobile Source Air Toxic Analysis in NEPA Documents HEPN-10. Jan. 18, 2023.
- U.S. Department of Transportation Federal Highway Administration Office of Planning, Environment, and Realty, Project Development and Environmental Review. Section 4(f) Policy Paper. July 20, 2012.
- U.S. Department of Transportation Federal Highway Administration Office of Planning, Environment, & Realty (HEP). Environment. Noise. Consideration of Existing Noise Barrier in a Type I Noise Analysis FHWA-HEP-12-051.
https://www.fhwa.dot.gov/environment/noise/noise_barriers/abatement/existing.cfm. Accessed March 29, 2024.
- U.S. Department of Transportation Federal Highway Administration Office of Planning, Environment, & Realty (HEP). Environment. Noise. Regulations and Guidance. Analysis and Abatement Guidance. Highway Traffic Noise Regulation.
https://www.fhwa.dot.gov/Environment/noise/regulations_and_guidance/analysis_and_abatement_guidance/polguide02.cfm. Accessed March 19, 2024.
- U.S. Department of Transportation Federal Highway Administration. FHWA Order 6640.23A. FHWA Actions to Address Environmental Justice in Minority Populations and Low-Income Populations. June 14, 2012. <https://www.fhwa.dot.gov/legregs/directives/orders/664023a.cfm>. Accessed January 10, 2024.

- U.S. Department of Transportation Federal Highway Administration. Bicycle and Pedestrian Program. United States Department of Transportation Policy Statement on Bicycle and Pedestrian Accommodation Regulations and Recommendations. March 11, 2010.
- U.S. Department of Transportation Federal Highway Administration. Memorandum: Bicycle and Pedestrian Planning, Program, and Project Development Guidance. May 19, 2023.
- U.S. Department of Transportation Federal Highway Administration. Memorandum: INFORMATION: Updated Interim Guidance on Mobile Source Air Toxic Analysis in NEPA Documents. January 18, 2023.
- U.S. Department of Transportation Federal Highway Administration. Pavements. Sustainable Pavement Program. Tire-Pavement Noise. https://www.fhwa.dot.gov/pavement/sustainability/articles/tire_noise.cfm. Accessed March 28, 2024.
- U.S. Department of Transportation Federal Railroad Administration. Midwest Regional Rail Plan. October 2021.
- U.S. Department of Transportation, Federal Highway Administration, Office of Engineering Bridge Division. Recording and Coding Guide for the Structural Inventory and Appraisal of the Nation's Bridges. Report No. FHA-PD-96-001. December 1995.
- U.S. Department of Transportation. DOT 5610.2C. U.S. Department of Transportation Actions To Address Environmental Justice In Minority Populations And Low-Income Populations. May 16, 2021.
- U.S. Environmental Protection Agency. Climate Change and Social Vulnerability in the United States: A Focus on Six Impacts. September 2021.
- U.S. Environmental Protection Agency. Environmental Topics. Health Topics. Asthma. <https://www.epa.gov/asthma>. Accessed June 11, 2024.
- U.S. Environmental Protection Agency. Greenbook. Criteria Pollutant Nonattainment Summary Report. <https://www3.epa.gov/airquality/greenbook/anc13.html>. Accessed 2023.
- U.S. Environmental Protection Agency. Guidebook on Induced Travel Demand. December 2002.
- U.S. Environmental Protection Agency. Integrated Risk Information System. <https://www.epa.gov/iris>. Accessed February 2023.
- U.S. Environmental Protection Agency. National Air Toxics Assessment. 2011 NATA: Assessment Results. <https://www.epa.gov/national-air-toxics-assessment/2011-nata-assessment-results>. Accessed 2024.
- U. S. Environmental Protection Agency. Particulate Matter (PM) Pollution. Particulate Matter (PM) Basics. <https://www.epa.gov/pm-pollution/particulate-matter-pm-basics#PM>. Accessed March 2024.
- U. S. Environmental Protection Agency. Supplementary Material for the Regulatory Impact Analysis for the Final Rulemaking, “Standards of Performance for New, Reconstructed, and Modified Sources and Emissions Guidelines for Existing Sources: Oil and Natural Gas Sector Climate Review” EPA Report on the Social Cost of Greenhouse Gases: Estimates Incorporating Recent Scientific Advances. November 2023. https://www.epa.gov/system/files/documents/2023-12/epa_scghg_2023_report_final.pdf. Accessed June 11, 2024.

- U.S. Environmental Protection Agency. Sustainable Materials Management. Sustainable Management of Construction and Demolition Materials. <https://www.epa.gov/smm/sustainable-management-construction-and-demolition-materials>. Accessed January 23, 2024.
- U.S. Fish & Wildlife Service. Do I need an eagle take permit? <https://www.fws.gov/story/do-i-need-eagle-take-permit#:~:text=When%20is%20a%20permit,permit%20may%20not%20be%20recommended>. Accessed April 2024.
- U.S. Fish and Wildlife Service. Migratory Bird Hunting and Conservation Stamp Act. <https://www.fws.gov/law/migratory-bird-hunting-and-conservation-stamp-act>. Accessed October 7, 2022.
- U.S. Fish and Wildlife Service. North American Wetlands Conservation. <https://www.fws.gov/program/north-american-wetlands-conservation/what-we-do>. Accessed October 10, 2022.
- U.S. Fish and Wildlife Service. Waterfowl Production Areas. Wetland Management Districts & Waterfowl Production Areas. <https://www.fws.gov/story/waterfowl-production-areas>. Accessed October 7, 2022.
- U.S. Fish and Wildlife Service. Wildlife Restoration. <https://www.fws.gov/program/wildlife-restoration>. Accessed July 5, 2022.
- U.S. Fish and Wildlife Service. Biological Opinion: Effects to Higgins eye, Sheepnose, and Salamander Mussel, Northern Long-eared and Tri-Colored Bats, Whooping Crane, Gray wolf, Karner Blue Butterfly, Rusty Patched Bumble Bee, Eastern Massasauga Rattlesnake, Eastern Prairie Bush-Clover, and Monarch Butterfly from the I-39/90/94 Wisconsin Dells to Madison Project in Dane, Sauk, Columbia and Juneau Counties, WI. FWS IPaC Consultation Code: 2024-0020692. September 3, 2024.
- U.S. Global Change Research Program (USGCRP). 2018: Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II [Reidmiller, D.R., C.W. Avery, D.R. Easterling, K.E. Kunkel, K.L.M. Lewis, T.K. Maycock, and B.C. Stewart (eds.)]. U.S. Global Change Research Program, Washington, DC, USA, 1515 pp. doi: 10.7930/NCA4. 2018.
- Village of DeForest Parks, Trails & Forestry. <https://www.vi.deforest.wi.us/index.asp?SEC=3C25FBD3-5443-4B7B-9DDE-DF1824F186E2>. Accessed September 20, 2022.
- Village of DeForest. Village of DeForest 2020-2024 Park & Open Space Plan. 2019.
- Wisconsin Department of Agriculture, Trade and Consumer Protection. Designated Agricultural Enterprise Areas (AEAs). https://datcp.wi.gov/Pages/Programs_Services/DesignatedAEAs.aspx. Accessed September 2023.
- Wisconsin Department of Agriculture, Trade and Consumer Protection and Wisconsin Department of Transportation. Memorandum of Agreement Between the State of Wisconsin Department of Agriculture, Trade and Consumer Protection and Wisconsin Department of Transportation. July 1, 2023.
- Wisconsin Department of Health Services, Bureau of Environmental and Occupational Health, Asthma Program. Wisconsin Asthma Burden Report P-02412-20. June 2020.
- Wisconsin Department of Health Services, Diseases & Conditions, Asthma. Asthma: Wisconsin Asthma Statistics. <https://www.dhs.wisconsin.gov/asthma/facts.htm>. Accessed January 31, 2024.

- Wisconsin Department of Natural Resources Groundwater Coordinating Council. Groundwater Quality GCC Report to the Legislature. 2023.
- Wisconsin Department of Natural Resources Natural Heritage Conservation. Kitchel & Weinzinger. Mussel Survey for I-90/04 bridge crossings of the Baraboo River, Columbia Co, WI. Project number: WIS DOT 1014-00-39 - I90/94 Baraboo River Bridges. 2021.
- Wisconsin Department of Natural Resources, Endangered Resources, Protecting Wisconsin's Biodiversity. <https://dnr.wisconsin.gov/topic/endangeredresources/biodiversity>. Accessed March 1, 2024.
- Wisconsin Department of Natural Resources. Columbia County Planning Group Master Plan DNR PUB-LF-066. December 2012.
- Wisconsin Department of Natural Resources. Dekorra Public Hunting Grounds. <https://dnr.wisconsin.gov/topic/Lands/WildlifeAreas/dekorra.html>. Accessed July 15, 2022.
- Wisconsin Department of Natural Resources. Explore Wisconsin's Water. <https://dnr.wisconsin.gov/topic/SurfaceWater/WEx.html>. Accessed August 16, 2023.
- Wisconsin Department of Natural Resources. Hulburt Creek Fishery Area Master Plan Concept Element. December 19, 1979.
- Wisconsin Department of Natural Resources. Hulburt Creek Fishery Area. <https://dnr.wisconsin.gov/topic/Lands/FisheriesAreas/1140hulburtcreek.html>. Accessed September 28, 2022.
- Wisconsin Department of Natural Resources. Knowles-Nelson Stewardship Program. <https://dnr.wisconsin.gov/topic/Stewardship>. Accessed July 5, 2022.
- Wisconsin Department of Natural Resources. Master Plan for Mirror Lake State Park and the Dell Creek State Wildlife Area. Approved June 2003; Variance approved August 2018.
- Wisconsin Department of Natural Resources. Parks. Glacial Drumlin State Trail. <https://dnr.wisconsin.gov/topic/parks/glacialdrumlin>. Accessed September 20, 2022.
- Wisconsin Department of Natural Resources. Pine Island Wildlife Area Class I Field Trial Grounds & Dog Training Grounds Management Plan. 2010.
- Wisconsin Department of Natural Resources. Public Access Lands. https://dnrmaps.wi.gov/H5/?Viewer=Public_Access_Lands&layerTheme=Public+Land&run=Search¶m=MGD,PROP_NAME,CHEROKEE+MARSH+FISHERY+AREA. Accessed September 26, 2023.
- Wisconsin Department of Natural Resources. Recreation. Mirror Lake State Park. <https://dnr.wisconsin.gov/topic/parks/mirrorlake/recreation>. Accessed September 28, 2022.
- Wisconsin Department of Natural Resources. Rocky Arbor State Park. <https://dnr.wisconsin.gov/topic/parks/rockyarmor/recreation>. Accessed September 28, 2022.
- Wisconsin Department of Natural Resources. State Fisheries Areas. Rowan Creek Fishery Area. <https://dnr.wisconsin.gov/topic/Lands/FisheriesAreas/2165rowancreek.html>. Accessed July 15, 2022.
- Wisconsin Department of Natural Resources. State Wildlife Areas. Pine Island Wildlife Area. <https://dnr.wisconsin.gov/topic/Lands/WildlifeAreas/pineisland.html>. Accessed July 15, 2022.

- Wisconsin Department of Natural Resources. TMDL Overview. <https://dnr.wisconsin.gov/topic/TMDLs/Overview.html>. Accessed February 14, 2024.
- Wisconsin Department of Natural Resources. Trout Stream Classifications Wisconsin Trout Fishing. <https://dnr.wisconsin.gov/topic/Fishing/trout/streamclassification.html>. Accessed August 2023.
- Wisconsin Department of Natural Resources. Watersheds and Basins. Lower Rock River Basin. <https://dnr.wisconsin.gov/topic/Watersheds/basins/lowerrock>. Accessed February 15, 2024.
- Wisconsin Department of Natural Resources. Watersheds and Basins. Lower Wisconsin River Basin. <https://dnr.wisconsin.gov/topic/Watersheds/basins/lowerwis>. Accessed February 15, 2024.
- Wisconsin Department of Natural Resources. WI DNR Open Data. Watersheds. <https://data-wi-dnr.opendata.arcgis.com/datasets/wi-dnr::watersheds/about>. July 18, 2017.
- Wisconsin Department of Natural Resources. Wisconsin Greenhouse Gas Emissions Inventory Report. Publication Number: AM-610-2021. December 2021.
- Wisconsin Department of Natural Resources. Wisconsin Important Bird Areas. Leopold Reserve-Pine Island. <http://www.wisconsinbirds.org/iba/sites/leopold-reserve-pine-island/>. Accessed September 28, 2022.
- Wisconsin Department of Natural Resources. Wisconsin Natural Heritage Inventory Working List. <https://dnr.wisconsin.gov/topic/NHI/WList>. Accessed December 18, 2023.
- Wisconsin Department of Tourism. Travel Wisconsin Website, Economic Impact. County by County Spreadsheet (Total Tourism Impacts County by County). https://assets.simpleviewinc.com/simpleview/raw/upload/v1/clients/wisconsin/WI_County_Table_2023_client_06_06_FINAL_a8949434-a73c-4f56-a6d5-e571aaf5a4ad.xlsx. Accessed August 2023.
- Wisconsin Department of Transportation and Wisconsin Department of Natural Resources. Cooperative Agreement Between Wisconsin Department of Natural Resources and Wisconsin Department of Transportation. June 1, 2020.
- Wisconsin Department of Transportation and Wisconsin Department of Natural Resources. Attachment A4 to the DOT/DNR Cooperative Agreement Memorandum of Understanding By And Between the Wisconsin Department of Natural Resources and the Wisconsin Department of Transportation Relating to the Authorization of Storm Water Discharges to Waters of the State of Wisconsin. January 26, 1999.
- Wisconsin Department of Transportation and Wisconsin Department of Natural Resources. Attachment to the DNR/DOT Cooperative Agreement Memorandum of Understanding by and between the Wisconsin Department of Natural Resources (DNR) and the Wisconsin Department of Transportation (DOT) on Aquatic Connectivity at Road-Stream Crossings. December 7, 2021.
- Wisconsin Department of Transportation and Wisconsin Department of Natural Resources. Attachment A1 to the DOT/DNR Cooperative Agreement Memorandum of Understanding on Erosion Control and Stormwater Management. October 1994.
- Wisconsin Department of Transportation in cooperation with: Wisconsin Department of Natural Resources, U.S. Army Corps of Engineers, U.S. Environmental Protection Agency, U.S. Fish & Wildlife Service, Federal Highway Administration. Wetland Mitigation Banking Technical Guideline. July 1993, First Revision: January 1997, Second Revision: March 2022.

- Wisconsin Department of Transportation. 2024 Standard Specifications (Standard Spec).
<https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/rdwy/stdnspec.aspx>.
 Accessed January 23, 2024.
- Wisconsin Department of Transportation. 511 Wisconsin Construction Projects. I-39/90/94 and WIS 60 Interchange. <https://projects.511wi.gov/i399094-wis60/>. Accessed September 7, 2023.
- Wisconsin Department of Transportation. Connections 2030 Statewide Long-Range Transportation Plan. October 2009.
- Wisconsin Department of Transportation. County bicycle maps. Columbia County Wisconsin Bicycle Map. <https://wisconsindot.gov/Documents/travel/bike/bike-maps/county/columbia.pdf>. Accessed May 2023.
- Wisconsin Department of Transportation. Facilities Development Manual. Chapter 23 Noise Section 23-35-5.4. May 17, 2022.
- Wisconsin Department of Transportation. Facilities Development Manual. Chapter 23 Noise Section 23-35-20.1. March 16, 2018.
- Wisconsin Department of Transportation. Facilities Development Manual. Chapter 10 Erosion Control and Storm Water Quality. February 15, 2024.
- Wisconsin Department of Transportation. Facilities Development Manual. Chapter 11 Design Section 5 General Design Considerations. November 17, 2020.
- Wisconsin Department of Transportation. Facilities Development Manual. Chapter 27 Planting and Aesthetic Design Section 1 Introduction. November 15, 2022.
- Wisconsin Department of Transportation. Guidance for Conducting a Cumulative Effects Analysis. November 2007.
- Wisconsin Department of Transportation. I-39/90/94 Bridge over Wisconsin River – Columbia County. <https://wisconsindot.gov/Pages/projects/by-region/sw/i399094-bridge/default.aspx>. Accessed September 7, 2023.
- Wisconsin Department of Transportation. I-39/90/94 Study – Public involvement. <https://wisconsindot.gov/Documents/projects/by-region/sw/399094/scopingsummary.pdf>.
- Wisconsin Department of Transportation. I-90 Madison to Tomah Needs Study Corridor Needs Report, I.D. 1010-11-00, I.D. 1014-10-01. January 2022.
- Wisconsin Department of Transportation. I-90 Madison to Tomah Needs Study Appendix I - Existing Conditions Report. January 2022.
- Wisconsin Department of Transportation. In This Together. Road Construction Guide for Business. <https://wisconsindot.gov/Pages/projects/in-together/default.aspx>. Accessed January 23, 2024.
- Wisconsin Department of Transportation. Madison Beltline Study. <https://wisconsindot.gov/Pages/projects/by-region/sw/madisonbeltline/default.aspx>. Accessed September 7, 2023 and November 21, 2023.
- Wisconsin Department of Transportation. MAPSS Performance Improvement Report. July 2023.
- Wisconsin Department of Transportation. Standard Specification for Highway and Structure Construction – 2024 Edition. 2024.

- Wisconsin Department of Transportation. Stormwater Management. <https://wisconsin.dot.gov/Pages/doing-business/eng-consultants/cns-its-rsrcs/environment/stormwater-mgmt.aspx>. Accessed February 14, 2024.
- Wisconsin Department of Transportation. Traffic counts - Continuous count data. 2021. <https://wisconsin.dot.gov/Pages/projects/data-plan/traf-counts/continuous.aspx>. Accessed June 11, 2024.
- Wisconsin Department of Transportation. Traffic counts – Continuous count data. 2019 IHS Transearch Multimodal forecasting database. <https://wisconsin.dot.gov/Pages/projects/data-plan/traf-counts/continuous.aspx>. Accessed June 11, 2024.
- Wisconsin Department of Transportation. US 51 (Stoughton Road) North Study. <https://wisconsin.dot.gov/Pages/projects/by-region/sw/us51-corridor/northstudy.aspx>. Accessed June 19, 2023.
- Wisconsin Department of Transportation. US 51 (Stoughton Road) South Study Project Website. Wisconsin.Gov. <https://wisconsin.dot.gov/Pages/projects/by-region/sw/us51-corridor/southstudy.aspx>. Accessed June 19, 2023.
- Wisconsin Department of Transportation. US 51 (Stoughton to McFarland) - Dane County Project Website. Wisconsin.Gov. <https://wisconsin.dot.gov/Pages/projects/by-region/sw/us51-danecounty/default.aspx>. Accessed June 19, 2023.
- Wisconsin Department of Transportation. Wisconsin Department of Transportation Wetland Mitigation Banking Technical Guideline. July 1993; First Revision: January 1997; Second Revision: March 2002.
- Wisconsin Department of Transportation. Wisconsin Electric Vehicle Infrastructure Plan. September 14, 2022.
- Wisconsin Department of Transportation. WisDOT Traffic Counts. TCMAP: Wisconsin Department of Transportation Traffic Count Map. <https://wisdot.maps.arcgis.com/apps/webappviewer/index.html?id=2e12a4f051de4ea9bc865ec6393731f8>. Accessed 2022.
- Wisconsin Department of Workforce Development, Wisconsin. Dane County 2023 Workforce Profile. DETI-17957-DAN-P (R. 06/2023).
- Wisconsin Department of Workforce Development, Wisconsin. Juneau County 2023 Workforce Profile. DETI-17957-JUN-P (R. 06/2023).
- Wisconsin Historical Society. National or State Registers Record. South corner of Smith's Crossing and Leopold Way. National or State Register of Historic Places. <https://www.wisconsinhistory.org/Records/NationalRegister/NR2112>. Accessed May 2023.
- Wisconsin Historical Society. Property Record. 3153 Gaston Road. Architecture and History Inventory. <https://www.wisconsinhistory.org/Records/Property/HI4958>. Accessed May 2023.
- Wisconsin Historical Society. Property Record. 5723 US Highway 51 (Moved to 5487 Portage Rd). Architecture and History Inventory. <https://www.wisconsinhistory.org/Records/Property/HI4952>. Accessed 2023.
- Wisconsin Historical Society. Property Record. 5901 Cottage Grove Road. Architecture and History Inventory. <https://www.wisconsinhistory.org/Records/Property/HI4824>. Accessed May 2023.

- Wisconsin State Legislature. Chapter NR 151. Runoff Management.
https://docs.legis.wisconsin.gov/code/admin_code/nr/100/151. Accessed August 16, 2023.
- Xerces Society for Invertebrate Conservation. Rusty Patched Bumble Bee Conservation Habitat. 2017.

FINAL EIS DISTRIBUTION LIST

WisDOT distributed the Final EIS via electronic copy to the following agencies, units of government, elected officials and tribes.

Federal Agencies

U.S. Army Corps of Engineers
 U.S. Department of Agriculture – Natural Resources Conservation Service
 U.S. Department of Homeland Security – Federal Emergency Management Agency
 U.S. Department of the Interior – Bureau of Indian Affairs
 U.S. Department of the Interior – Fish and Wildlife Service
 U.S. Department of the Interior – National Parks Service
 U.S. Department of the Interior – Office of Environmental Policy and Compliance
 U.S. Department of Transportation – Federal Highway Administration
 U.S. Environmental Protection Agency
 Centers for Disease Control and Prevention–National Center for Environmental Health

State Agencies

Wisconsin Department of Administration
 Wisconsin Department of Agriculture, Trade and Consumer Protection
 Wisconsin Department of Natural Resources
 Wisconsin Department of Transportation – (Various Bureaus)
 Wisconsin Legislative Fiscal Bureau
 Wisconsin Historical Society – State Historic Preservation Office
 Wisconsin Public Service Commission
 Office of the Commissioner of Railroads

Local Agencies and Units of Government

Capital Area Planning Commission
 City of Madison
 City of Portage
 City of Sun Prairie
 City of Wisconsin Dells
 Columbia County

Dane County
 Greater Madison Metropolitan Planning Organization
 Juneau County
 Sauk County
 Town of Arlington
 Town of Blooming Grove
 Town of Burke
 Town of Caledonia
 Town of Cottage Grove
 Town of Dekorra
 Town of Delton
 Town of Fairfield
 Town of Lyndon
 Town of Sun Prairie
 Town of Vienna
 Village of Cottage Grove
 Village of DeForest
 Village of Lake Delton
 Village of Windsor

Federal and State Elected Officials

Governor Tony Evers
 Lieutenant Governor Sara Rodriguez
 Honorable Ron Johnson (U.S. Senator)
 Honorable Tammy Baldwin (U.S. Senator)
 Honorable Mark Pocan (U.S. Congressman)
 Honorable Glenn Grothman (U.S. Congressman)
 Honorable Derrick Van Orden (U.S. Congressman)
 Honorable John Jagler (State Senator)
 Honorable Melissa Ratcliff (State Senator)
 Honorable Kelda Roys (State Senator)
 Honorable Dianne Hesselbein (State Senator)
 Honorable Sarah Keyeski (State Senator)

Honorable Howard Marklein (State Senator)

Honorable Karen DeSanto (State Representative)

Honorable Joan Fitzgerald (State Representative)

Honorable Francesca Hong (State Representative)

Honorable Andrew Hysell (State Representative)

Honorable Alex Joers (State Representative)

Honorable Tony Kurtz (State Representative)

Honorable Renuka Mayadev (State Representative)

Honorable Maureen McCarville (State Representative)

Honorable Shelia Stubbs (State Representative)

Honorable Lisa Subeck (State Representative)

Honorable Randy Udell (State Representative)

Native American Indian Tribes

Fond du Lac Band of Lake Superior Chippewa

Ho-Chunk Nation

Iowa Tribe of Oklahoma

Lac Courte Oreilles Band of Lake Superior Chippewa Indians

Lac du Flambeau Band of Lake Superior Chippewa Indians

Lac Vieux Desert Band of Lake Superior Chippewa Indians

Menominee Indian Tribe of Wisconsin

Oneida Nation of Wisconsin

Prairie Band Potawatomi Nation

Prairie Island Indian Community

Red Cliff Band of Lake Superior Chippewa Indians

Sac and Fox Nation of Missouri in Kansas and Nebraska

Sac and Fox Nation of Oklahoma

Sac and Fox of the Mississippi in Iowa

Sokaogon Chippewa Community Mole Lake Band

Stockbridge-Munsee Band of Mohican Indians

St. Croix Band of Lake Superior Chippewa Indians

St. Croix Chippewa Indians of Wisconsin

Others

Wisconsin Transportation Builders Association

Sierra Club – Wisconsin Chapter

Wisconsin State Journal

Repositories

Greater Madison Metropolitan Planning Organization

Madison Public Library – Central Library

Madison Public Library – Hawthorne Library

Madison Public Library – Pinney Library

DeForest Area Public Library

Portage Public Library

Kilbourn Public Library (Wisconsin Dells/Lake Delton)

Sun Prairie Public Library

WisDOT Southwest Region Office

WisDOT Bureau of Technical Services

LIST OF PREPARERS

Organization/Name	Primary Responsibility	Qualifications
FHWA		
Lisa Hemesath	EIS review for environmental aspects	M.S., Wildlife Biology; 22 years of experience in highway project development and environmental review
Bethaney Bacher-Gresock	EIS review for environmental aspects	B.S., Environmental Studies and Biology; estimated 25 years of experience in highway project development and environmental review
Michelle Gerhke	Alternatives development	B.S., Civil Engineering; 23 years of experience in bridge and highway project development, design, construction and environmental review
David Platz, PE, PTOE	Alternatives development	B.S., Civil Engineering; M.S., Civil and Environmental Engineering; 23 years of experience in highway project development, design, construction, and environmental review
Wisconsin Department of Transportation		
<i>Bureau of Technical Services</i>		
Michael Helmrick	EIS review for environmental aspects	B.S., Watershed Management; 25 years of experience in transportation planning, project development, environmental documentation, and project review
<i>Southwest Region</i>		
Jennifer Kobryn, PE	Project Development Section Supervisor	B.S., Civil Engineering; 16 years of experience in transportation design, environmental documentation, and project review
David Schmidt, PE	Project Manager	B.S., Civil Engineering; 12 years of experience in transportation project design

Organization/Name	Primary Responsibility	Qualifications
Brian Taylor	Environmental Coordinator	B.S., Watershed Management and Soil Science, experience since 1997 in environmental regulation; 13 years of experience in transportation planning, project development, environmental documentation and project review
Michael Bie	Southwest Region Public Involvement	B.A., Communication Arts; 30 years of public information/communications in the transportation industry
Consultant Team		
<i>HNTB Corporation</i>		
Nicholas Bennett, PE	Consultant Corridor Manager Project Manager	B.S., Civil Engineering; PE; 15 years of experience in highway project development, design, project review and construction oversight
James Robinette, PE	Consultant Corridor Manager Deputy Project Manager	B.S., Civil Engineering; M.S., Civil Engineering; PE; 14 years of experience in highway project development, design, controls, technical services, and project review
Caron Kloser	Environmental impact analysis; environmental impact statement preparation; agency coordination; public involvement	B.S., Agronomy; M.S. Horticulture; experience since 1987 in transportation environmental studies and environmental impact statement preparation
Zachariah Zopp	Environmental impact analysis, environmental impact statement preparation; agency coordination	B.S., Environmental Science and Policy; M.S., Water Resource Management; experience since 2010 in environmental studies, experience since 2020 in transportation environmental studies and environmental document preparation
Joel Brown	Environmental impact statement review	B.S., Land Use Planning; experience since 2009 in transportation planning, transportation project development, environmental documentation and project review
Constance Sutton	Environmental impact statement document preparation	B.S., Natural Resource Management; experience since 2000 in transportation environmental studies and environmental impact statement preparation

Organization/Name	Primary Responsibility	Qualifications
Ruth Vandertie, INCE	Noise	B.A., Audio Arts & Acoustics, Concentration in Acoustics; experience since 2009 in transportation noise and vibration studies, environmental documentation and project review
Jennifer Rybarczyk, GISP	GIS analysis and mapping	B.S., Architectural Studies (Urban Planning Certificate); M. Urban Planning (GIS Emphasis); experience since 2000 in GIS analysis for environmental planning and highway projects
Jerry Shadewald, PE, PTOE	Corridor Traffic Lead	B.S. Civil Engineering, M.S. Civil Engineering, 23 years' experience in travel demand modeling and forecasting
<i>Jacobs</i>		
Charlie Webb	North Segment environmental impact analysis lead	B.S. Management, M.S., Urban and Regional Planning, 32 years of experience in transportation environmental studies and EIS preparation
Hong Zhuang	Corridor Air quality analysis	B.S. Chemical and Environmental Engineering; M.Phil. Chemical Engineering; M.S. Environmental Engineering and Science. 28 years of experience in air quality analysis for environmental documents, permitting, and compliance
Aimee King	Corridor Section 4(f) evaluation	B.A., Geography (Environmental Studies track); M.S. Interdisciplinary Ecology; experience since 2001 in transportation environmental studies and preparation of environmental impact statements and Section 4(f) evaluations
Sofia Becker	North Segment environmental impact analysis	B.A., Psychology; Master of Urban Planning and Policy; experience since 2009 in infrastructure planning
Jill Kramer	Corridor Indirect and cumulative effects analysis	B.S., Environmental Economics and Policy; Master of Urban Planning; ENV SP; 30 years of experience in environmental planning and highway project development

Organization/Name	Primary Responsibility	Qualifications
Patrick Joseph	North Segment noise analysis	B.S. Industrial Technology; M.A. Urban Planning and Environmental Policy; 22 years' experience in noise modeling and traffic noise analysis
<i>Kapur, Inc.</i>		
Justin Arndt, PE	North Segment Design Project Manager	B.S., Civil Engineering; M. Business Administration, PE; 23 years of experience in highway project development, design, and project review
<i>Strand Associates</i>		
Brian Andreas, PE	South Segment Design Project Manager	B.S. Civil Engineering; 36 years of experience in in highway project development, design, project review and environmental studies
Jeff Held, PE	Environmental impact analysis;	B.S. Civil Engineering; 24 years of experience in environmental documentation and transportation planning
Alexa Morris	Environmental impact analysis; environmental impact statement preparation	B.S., Civil Engineering; 2 years of experience in transportation project development and design
Luke Hellerman, PG	Environmental impact analysis; environmental impact statement preparation	B.S., Geology; experience since 2000 in transportation environmental studies and environmental impact statement preparation
Chris Lynch, PE	Environmental impact analysis; environmental impact statement preparation	B.S. Civil Engineering; 10 years of experience in transportation planning, traffic analysis and design
Eric Hanson, PE	South Segment design project engineer	B.S. Civil Engineering; 22 years of experience in in highway project development, design, and project review
Joe Urban	South Segment traffic project engineer	B.S. Civil Engineering; 15 years of experience in traffic analysis, safety analysis, and environmental studies

Organization/Name	Primary Responsibility	Qualifications
<i>De Vor Communications</i>		
Cynthia De Vor	Public involvement and communications	14 years of experience in Public Relations and Communications and 12 years of experience in Public Involvement/Engagement on transportation design and construction projects and environmental studies
Darci Hackbarth	Public involvement and communications	B.S.in Sociology with an emphasis on human studies, and Associate in Criminal Justice, experience since 2020 with environmental studies, and design and construction projects, 25 years of experience in communications and customer service