

David S. Hemmerich, PE
Transportation Lead Engineer



EDUCATION

B.S., Civil Engineering,
University of Wisconsin –
Platteville, 2003

Joined Firm in 2003

Years of Experience: 21

REGISTRATIONS

Licensed Professional
Engineer: Illinois, Wisconsin

CERTIFICATIONS

ACEC-WI Leadership Institute –
2020 Graduate

ASSOCIATIONS

American Council of
Engineering Companies (ACEC)
of Wisconsin

Dave provides design and construction observation services for clients’ rural and urban roadways, site development, and water and sewer extension projects, which allows him to bring a well-rounded, practical perspective to projects. He is also experienced in transportation-related studies including intersection studies, traffic studies, speed studies, pavement design, and pavement management. Dave is knowledgeable of state and federal funding requirements, as well as federal, state, and local agency permitting needs.

REPRESENTATIVE PROJECTS

Walworth County, WI

County Highway ES Design and Construction Oversight

Design and Construction Manager for the rehabilitation of 1.5 miles of CTH ES through the Village of East Troy from West Street to North Street (STH 20). The project included asphalt pavement milling, curb and gutter repairs, new curb and gutter on a rural segment, drainage structure adjustments, grading and shaping ditches, culvert replacements, HMA pavement, sidewalk ramp replacements, and site restoration. Constructed as joint County/Village project, work included coordination with the Village and their engineer to incorporate Village utility improvements, and reconfigured the Village square into the plans.

Wisconsin Department of Transportation

STH 31 (Illinois State Line to STH 50), Project ID 2390-08-00

Project Manager for the 5 mile urban resurfacing of Green Bay Road (STH 31) from the Illinois state line to STH 50 through the Village of Pleasant Prairie and City of Kenosha in Kenosha County to maintain the service life of the existing four- to six-lane divided concrete pavement. Scope included concrete pavement patching, spot curb and gutter and drainage structure repairs, crack sealing and diamond grinding on the pavement, replacement of a failed multi-pipe culvert headwall, wingwalls, and apron.

Rock County, WI

CTH J Roadway Reconstruction

Project Manager for a 2 mile rural roadway reconstruction project funded by the County from Avalon Road to CTH O. The project included pavement replacement, converting some ditches to sheet drainage into surrounding farm fields, replacement of culvert pipes, widening the intersection to standards, and improvements to roadway geometry. Improvements included removing buried poor soil materials in the road subgrade and conducting a traffic study at the intersection for possible installation of a four-way stop. Removal of several mature trees in clear zone required coordination with residents. Permitting and agency coordination were necessary with DNR for a stormwater permit and Rock County Land Conservation Department for stormwater and erosion control.

Walworth County, WI

CTH H Rural Pavement Rehabilitation

Lead Designer and Construction Project Manager for the rehabilitation of 5.9 miles of CTH H between STH 120 and the Genoa City limits through the Town and Village

of Bloomfield. The heavily traveled route is an alternative access to Lake Geneva from Illinois which made traffic control a challenge, even though the road was closed with a signed detour. The project included asphalt pavement milling, intersection grading, ditching, curb and gutter, replacing all cross-culverts and most driveway culverts, guardrail approach widening and grading, replacing guardrail, and designing and installing new HMA pavement. Included were two sections of rubblizing underlying deteriorated concrete base, geogrid, and base aggregate to eliminate excessive surface washboarding.

Walworth County, WI

County Highway U Design and Construction Oversight

Design and Construction Manager of rehabilitating 3.9 miles of CTH U through the Village and Town of Bloomfield from CTH B to the Kenosha County Line. The highway design portion of the project included asphalt pavement milling, pulverizing remaining pavement materials, new curb and gutter at intersections, replacing most driveway and cross culverts, grading and shaping ditches, cast-in-place concrete endwall retrofit to an existing 72-inch diameter CMP to stabilize slope and provide guardrail support, new guardrail, new HMA pavement, and millings for shoulders. Lead Construction Administrator for the County on the project, which included a bridge replacement designed and administered by another consultant.

Walworth County, WI

CTH X Rehabilitation

Design and Construction Project Manager for the rehabilitation of 4.9 miles of CTH X between County Line Road and Creek Road in Delavan, except the portion through the Darien Village limits and the I-43 interchange. The project included asphalt pavement milling, intersection grading, ditching, curb and gutter, culverts, sheet piling, guardrail, and HMA pavement. Work was staged to allow truck access at all times for two local industrial plants which required significant coordination.

Linn, WI

Lackey Lane Bridge Replacement Design (P-64-0906)

Project Manager providing design engineering services for the replacement of the bridge over the Lake Geneva Tributary on Lackey Lane. The project scope includes replacing the bridge with 24-foot clear roadway width and standard approach pavement. By widening the bridge from 18 feet clear to 24 feet clear, the local road would be able to be widened in potential future construction. Design includes the removal of the existing structure, new structure, and structure approaches, required signage, coordination with all agencies, and required permits. Work also includes developing an alternate traffic plan during construction.

Farmington, WI

Orchard Valley Road Bridge over Milwaukee River (P-66-039) Replacement Design

Project Manager providing design engineering services for the replacement of the Orchard Valley Road Bridge over the North branch of the Milwaukee River. Based on the current condition and scoring of the overall structure, it is intended that the bridge will be replaced in-kind, with the same alignment and width. The project received Local Bridge Funding through the Wisconsin Department of Transportation and requires coordination with WDNR due to endangered species.