

**Michigan Department of Transportation (MDOT)
Candidate Application for Dispute Review Board (DRB)**

A. Contact Information

| | | | |
|--|--|-----------|-----------------|
| Name: YAKOV (YAN) NENAYDYKH | | | Date: 03/25/15 |
| [REDACTED] | City: NEW BERLIN | State: WI | Zip Code: 53146 |
| Phone #: 414-467-9947 | Email Address: ynenaydykh@bloomcos.com | | |

B. Professional Licenses/Registrations (Please provide name/type of license, state, expiration date and number.)

| <i>Name/Type of License/Registration</i> | <i>State and Number</i> | <i>Expiration Year</i> |
|--|-------------------------|------------------------|
| Professional Engineer | Wisconsin #30610 | 2016 |
| | | |
| | | |

C. Education/Related Training (Please list degree, college/other school and dates. Please indicate the location and date of your training.)

| <i>University/College/Organization/Trade School</i> | <i>Degree/Certificate</i> | <i>Date/Year</i> |
|---|---|------------------|
| University of Transportation Engineers | B.S. Civil Engineering, Major in Bridge | September 1981 |
| Lakeland College | B.S. Accounting | 1997 |
| | | |

D. Construction Experience Summary

I have construction experience working in the following capacities:

| | | | | | |
|-------------------------------------|--------------------------|-------------------------------------|-----------------------|-------------------------------------|------------------------|
| <input checked="" type="checkbox"/> | Civil Engineer | <input type="checkbox"/> | Architect | <input type="checkbox"/> | Builder/Developer |
| <input checked="" type="checkbox"/> | Structural Engineer | <input type="checkbox"/> | Electrical Engineer | <input checked="" type="checkbox"/> | Designer/Planner |
| <input type="checkbox"/> | Geologist | <input checked="" type="checkbox"/> | Land Surveyor | <input type="checkbox"/> | Mechanical Engineer |
| <input checked="" type="checkbox"/> | General Contractor | <input checked="" type="checkbox"/> | Accountant | <input type="checkbox"/> | Chemical Engineer |
| <input checked="" type="checkbox"/> | Construction Manager | <input type="checkbox"/> | Supplier/Manufacturer | <input type="checkbox"/> | Environmental Engineer |
| <input checked="" type="checkbox"/> | Sub/Specialty Contractor | <input checked="" type="checkbox"/> | Owner Representative | <input type="checkbox"/> | Landscape Architect |
| <input type="checkbox"/> | Other (Describe) → | | | | |

I have substantial experience in the following types of construction:

| | | | | | |
|-------------------------------------|-------------------------|-------------------------------------|--------------------|-------------------------------------|---------------|
| <input checked="" type="checkbox"/> | Bridge (Concrete) | <input checked="" type="checkbox"/> | Bridge (Steel) | <input type="checkbox"/> | Buildings |
| <input checked="" type="checkbox"/> | Earth Retaining Systems | <input type="checkbox"/> | Electrical Systems | <input type="checkbox"/> | Environmental |
| <input checked="" type="checkbox"/> | Foundation | <input checked="" type="checkbox"/> | Highway | <input type="checkbox"/> | Landscaping |
| <input type="checkbox"/> | Marine | <input type="checkbox"/> | Mechanical | <input checked="" type="checkbox"/> | Tunnel |
| <input type="checkbox"/> | Other (Describe) → | | | | |

E. Qualification Statement

Candidates shall have substantial experience in or directly related to public agency highway and bridge construction projects with or on behalf of federal, state, or local government agencies, particularly MDOT. Experience shall be a minimum of 10 years in active involvement, supervision, or management of public agency highway and bridge construction contracts preferably with an emphasis in resolution of disputes arising out of said contracts. Lawyers, attorneys, and/or legal counsel are not permitted to be DRB candidates nor are they permitted to serve on a DRB panel in any capacity.

**Michigan Department of Transportation (MDOT)
Candidate Application for Dispute Review Board (DRB)**

Provide a 500 word or less statement of your qualifications that explain how you meet the aforementioned criteria:

- 25 years of experience in preliminary and final bridge design, analysis and evaluation of the condition of existing structures and recommendations for the best bridge rehabilitation/reconstruction alternative. Additional experience includes infrastructure projects and department management, bridge load rating; design of various infrastructure structures, project and program structural investigations and inspections using non-destructive testing methods; bridge and highway construction management.
- 8 years of experience as construction branch manager. Responsibilities included estimating and managing multi-million dollar construction projects. Supervised subcontractors, project superintendents, foreman, crew members; selected and managed subcontractors; created and maintained project schedule; maintained and managed job budget; reviewed and forecasted production; coordinated labor planning, scheduling and subcontractors; reviewed and updated job cost reports; conducted safety audits; approved job cost and spending; took the lead in negotiating claims and proposed change orders and associated cost resolving filed and contractual differences and processing scheduled progress payments; provided technical support to design and construction contract disputes; assured a consistent, legally-sufficient and safe, cost-effective construction management process; handled all company construction claims involving both property and bodily injury exposure; negotiated all required insurance coverages and contracts, managed excess commercial general liability and construction defect claims; administered job closeout.

Projects Experience include:

IH-94 N-S Corridor Reconstruction, WI – Director of team for 10 structures construction, including:

- Two IH-94 Major Bridges over CTH C replacement
- Two IH-94 Major Bridges over Des Plaines replacement
- Four Mechanically Stabilized Earth (MSE) Retaining Wall Construction
- Two IH-94 Bridge Piers crash wall construction

This is the first contract (\$60 million) for the overall \$1.9 billion 5-year mega-project. All project structure work was successfully completed, including IH-94 South Bound structures in 2009 and on IH-94 North Bound structures in 2010.

Marquette Interchange (I-94, I-43 and I-794), Milwaukee, WI – Project Manager and Engineer. Preliminary layout and design for three North Leg Bridges and Kilbourn Street Tunnel. Preliminary bridge plans, all documentation and administration for preliminary design and SSR submittal. Final design, detailing, preparation of all PS&E documentation for seven Interchange Bridges and Kilbourn Tunnel, and 82 sign structures. Complex Mega Project was completed on time under budget and has won numerous regional and national awards by AASHTO, FHWA, ARTBA and WisDOT.

Marsupial Bridge Project, Holton Street Viaduct over the Milwaukee River, Milwaukee, WI – Senior Bridge Engineer for a new pedestrian/bicycle bridge designed to meet ADA standards, known as the Marsupial Bridge, suspended beneath the existing Holton Street

**Michigan Department of Transportation (MDOT)
Candidate Application for Dispute Review Board (DRB)**

Viaduct over the Milwaukee River. Provided Full Structural Analysis and Report of existing structure, and design of modification/rehabilitation necessary to carry the loads of the new Bridge. Responsible for the in-depth inspection and structural analysis of 80-years old Holton Street Viaduct, preliminary Marsupial Bridge concept, alternatives and layout, preliminary and as well as final design, detailing, and preparation of PS&E documentation and construction management for the nine span cable stay post-tensioned cast in place concrete bridge. Marsupial Bridge has won several national and international awards, including 2007 Rudy Bruner Silver Medal for Urban Excellence.

F. General Experience Summary

Please provide a brief description of your experience in 25 words or less. If you are approved to be a DRB candidate, this information will be included next to your name on the Dispute Review Board Candidates List posted on MDOT’s website.

Description:

33 years of unique combined experience in infrastructure projects design, management and construction inspection, estimating and managing construction projects s contractor, negotiating and resolving claims.

G. DRB Experience (include past and current experience if applicable)

| Experience | MDOT | Other Public Agencies | Private Construction | Total |
|-------------------------|------|-----------------------|----------------------|-------|
| # of Jobs as DRB Member | | | | |
| # of Jobs as DRB Chair | | | | |

H. Conflict of Interest and Ethics Statement

I will provide a conflict of interest statement and a disclosure statement describing past, present, anticipated, and planned relationships, including indirect relationships through my present employer, to other parties involved in a construction project, including but not limited to, relevant construction engineering and inspection (CEI) firms, contractors, or suppliers to the parties, parties’ principals, or parties’ counsel. Furthermore, I will disclose any close professional or personal relationships with all key members in the project. This will be completed prior to accepting a nomination to serve on a DRB panel for any construction project.

| | | | |
|---|---------|--|----------------|
| x | I agree | | I do not agree |
|---|---------|--|----------------|

I. Compensation

I agree that I will be fully compensated in accordance with the terms and conditions of the contract and Dispute Review Board Agreement. This will be full compensation for on site time, review time, travel expenses, transportation, lodging, time for travel and incidentals for each day, or portion thereof that I am at an authorized DRB hearing. In addition, I will be paid the

**Michigan Department of Transportation (MDOT)
Candidate Application for Dispute Review Board (DRB)**

appropriate rate specified in the Dispute Review Board Agreement for additional days necessary to conduct a hearing that has been authorized.

| | |
|---|---|
| <input checked="" type="checkbox"/> I agree | <input type="checkbox"/> I do not agree |
|---|---|

J. Professional References

Provide the following information for at least two references to attest to your professional experience as depicted in this application. In addition, these references should be able to attest to your suitability to perform as a DRB member and provide additional information about you.

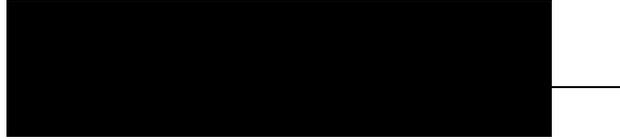
| | | |
|-------------------|--|--------------|
| Name: | | Phone: |
| Tom Zalewski | | 608-515-3525 |
| Mathew Tharaniyil | | 414-292-4502 |
| | | |

**Michigan Department of Transportation (MDOT)
Candidate Application for Dispute Review Board (DRB)**

Certification and Acknowledgement

The information in this application is true and accurate to the best of my knowledge, information, and belief. Moreover, I acknowledge that submittal of this application is not a guarantee of work as a DRB panel member. I further acknowledge that there is a selection and approval process that must occur in order to be a part of a project specific DRB panel. (Must be checked to submit form).

Signature of Applicant:



Send Completed Form to: R. Jason Clark, P.E.
Construction Contracts Engineer
8885 Ricks Rd
PO Box 30049
Lansing, MI 48909
ClarkJ25@michigan.gov

Yakov N. Nenaydykh, PE

Education

B.S. Civil Engineering,
Major in Bridge
Engineering – University of
Transportation Engineers,
Moscow, Russia (1981)

M.S. Civil Engineering,
Major Structural
Engineering – University of
Transportation Engineers,
Moscow, Russia (1984)

B.S. Accounting, Lakeland
College, Milwaukee,
Wisconsin (1997)

Professional Registrations

Professional Engineer
Wisconsin #30610
Ukraine

Mr. Nenaydykh has extensive experience in civil, structural and transportation engineering, construction and business management including:

- 25 years of experience in preliminary and final bridge design, analysis and evaluation of the condition of existing structures and recommendations for the best bridge rehabilitation/reconstruction alternative. Additional experience management includes load rating; design of various infrastructure structures, i.e. culverts, retaining walls and dams; project and program structural investigations and inspections using non-destructive testing methods; bridge and highway construction management.
- 17 years of experience as bridge design department manager. Responsibilities included day-to-day management of projects for the bridge department, including structural design and analysis and development of construction documents, coordinating and working with other departments; supervise and mentor less experienced engineers, designers and technicians; developed and tracked department budget; fostered client relationships; lead the pursuit of new transportation structures work to support the growing practice; negotiated contracts, prepared scope of work and fee estimates, contracts and amendment documents; actively managed transportation structure projects insuring top quality product was delivered to clients.
- 8 years of experience as construction branch manager. Responsibilities included estimating and managing multi-million dollar construction projects. Supervised subcontractors, project superintendents, foreman, crew members; selected and managed subcontractors; created and maintained project schedule; maintained and managed job budget; reviewed and forecasted production; coordinated labor planning, scheduling and subcontractors; reviewed and updated job cost reports; conducted safety audits; approved job cost and spending; took the lead in negotiating claims and proposed change orders and associated cost resolving filed and contractual differences and processing scheduled progress payments; provided technical support to design and construction contract disputes; assured a consistent, legally-sufficient and safe, cost-effective construction management process; handled all company construction claims involving both property and bodily injury exposure; negotiated all required insurance coverages and contracts, managed excess commercial general liability and construction defect claims; administered job closeout.

Construction Projects

IH-94 N-S Corridor Reconstruction, WI – Director of team for 10 structures construction, including:

- Two IH-94 Major Bridges over CTH C replacement
- Two IH-94 Major Bridges over Des Plaines replacement
- Four Mechanically Stabilized Earth (MSE) Retaining Wall Construction
- Two IH-94 Bridge Piers crash wall construction

This is the first contract (\$60 million) for the overall \$1.9 billion 5-year mega-project. Bloom teamed up with Prime Contractor Walsh Group for all project structure work (total value of \$5 million), successfully completed IH-94 South Bound structures in 2009 and on IH-94 North Bound structures in 2010.

Winnebago Drive, City of Fond Du Lac, WI – A multiple structure project consisting of 1 ea 3 span deck replacement, 2 ea single span slab deck replacements, 1 ea retaining wall, and 1 ea box culvert. Work consisted of bridge removals, excavation, cofferdams, temporary shoring, permanent shoring, dewatering, pile foundations, structure replacement, architectural surface treatment and railings.

Four Mile Road and Seven Mile Road Bridges Over the Root River– Racine County, WI – Director of team for the work performed consisted of two bridge replacements including approach roadway.

North Prospect Avenue Bridge over Oak Leaf Bike Trail – Milwaukee County, WI – Director of teams for the work performed which consisted of two phase demolition and replacement of an existing superstructure including approach roadway.

South 29th Street Union Pacific Railroad Bridge and Approaches, Milwaukee County, WI – Director of team for design build bridge project. Work consisted of demolition and removal of an existing structure. New bridge construction followed involving pile driving, steel reinforcement, precast beam erection, sub/superstructure concrete masonry, and a decorative parapet. Additional finishing work included grading, base course, concrete pavement, curb and gutter, sidewalk, erosion control, landscaping and electrical runs crossing the bridge. Coordination of inspectors and subcontractors was maintained, and all incidental items were executed as necessary to complete the work as shown on the plans, proposal, and contract. All services were completed on time and within budget to the satisfaction of the Owner. In addition, our team proposed and performed a cost reduction incentive which included a design build alternative that reduced project costs \$300,000-\$350,000. Proposed structure eliminated any effect and interferences of the bridge superstructure construction and UP Railroad operations, enhanced safety, accelerated construction, increased product quality and extended structure lifespan.

Historic Lions Bridge, Historic Lake Park, Milwaukee, WI – A multiple award winning project consisting of rehabilitation and restoring the existing north historic open spandrel metal pedestrian arch bridge. The Lake Park Lions Bridge was constructed in 1896 and is documented as part of the Wisconsin Historic Bridge Recording Project. Specific work included structural carbon steel repairs and replacement, railing repairs and restoration, bridge painting, bridge jacking, bridge bearing repair, concrete deck replacement, stone masonry restoration, and all approach roadway work.

USDA Dairy Forage Research Center Chiller Replacement, Madison, WI – Program Manager for the removal and replacement of two existing chillers. The existing chillers were removed by dismantling, and removing through the loading dock. The building exhaust system was taken out of commission during the install of the new chillers. The process took one week. The work included removing a section of the existing roof to install the new chillers. The owner maintained occupancy during construction with no interruption of their normal business. Controls were updated. Steam fitters, electricians, demo crews were employed for this work

Forest Products Laboratory Elevator Replacement, Madison, WI – Program Manager for the replacement of an existing freight elevator, updated elevator equipment room HVAC system, updated fire alarm system, renovated elevator lobby, renovated fire command center.

USDA ARS Dairy Forage Research Center Barn Renovations, Prairie du Sac, WI – Program Manager for the renovation of several barns (originally contracted for F & G Barns, based on performance, then subsequently awarded additional contracts for Drovers Alley and D & E Barn Renovations.) Services included replacing center feed alleys and adding new ventilation curtains.

USDA Solar Well House Construction, Multiple Locations in Northern Wisconsin – Program Manager for the construction and installation of several solar powered well houses at multiple locations in Northern Wisconsin.

Design Projects

Chase Avenue & Kinnickinnic Avenue Bridges, Milwaukee, WI – Project Manager currently working on preliminary concept plans for path and bridges to provide pedestrian and bicycle access to the lakefront, Milwaukee downtown and the south side. Project will entail layout, horizontal and vertical alignment, preliminary and final design, final construction plans, specifications and cost estimates for the new South Chase Avenue Bridge and approaches, design for the rehabilitation of the two existing abandoned railroad bridges over South Kinnickinnic Avenue and East Greenfield Avenue, including in-depth bridge inspection, structural analysis, rehabilitation report, final construction plans, specifications and cost estimates. Project is funded through a Congestion Mitigation and Air Quality (CMAQ) grant to the City of Milwaukee.

Brady Street Pedestrian Bridge and Access at McKinley Park, Milwaukee County, WI – Bridge Project Manager for the design of a new \$1 million post-tensioned concrete bridge for pedestrian and bicycle access over Lincoln Memorial Drive at McKinley Park along Lake Michigan. Project included development of aesthetic bridge concepts, preliminary and final design for a unique structure in a highly visible public setting. Project included extensive coordination with several departments of Milwaukee County, and the Wisconsin Department of Transportation. Brady Street Bridge has won 5 prestige national awards, including 2006 Award of Excellence for USA top 10 concrete bridges.

Marquette Interchange (I-94, I-43 and I-794), Milwaukee, WI – Project Manager and Engineer. Preliminary layout and design for three North Leg Bridges and Kilbourn Street Tunnel. Preliminary bridge plans, all documentation and administration for preliminary design and SSR submittal. Final design, detailing, preparation of all PS&E documentation for seven Interchange Bridges and Kilbourn Tunnel, including Winnebago St. Bridge - five span horizontally and vertically

curved bridge over I-43. Also responsible for preliminary & final design as well as final PS&E submittal for the Tory Hill Bridge as part of the Clybourn Advanced Contract. Complex Mega Project was completed on time under budget and has won numerous regional and national awards by AASHTO, FHWA, ARTBA and WisDOT.

Marsupial Bridge Project, Holton Street Viaduct over the Milwaukee River, Milwaukee, WI – Senior Bridge Engineer for a new pedestrian/bicycle bridge designed to meet ADA standards, known as the Marsupial Bridge, suspended beneath the existing Holton Street Viaduct over the Milwaukee River. Provided Full Structural Analysis and Report of existing structure, and design of modification/rehabilitation necessary to carry the loads of the new Bridge. Responsible for the preliminary Marsupial Bridge concept, alternatives and layout, design and SSR submittal, as well as final design, detailing, and preparation of PS&E documentation for the nine span cable stay post-tensioned cast in place concrete bridge. This \$3.214 million project is part of the Crossroads Project that was conceived in a bid to completely revitalize Brady Street and the surrounding neighborhoods. The project scope of services included extensive coordination with the City of Milwaukee and the business improvement district; public involvement; agency coordination; environmental documentation; and the preparation of PS&E documents. Marsupial Bridge has won several national and international awards, including 2007 Rudy Bruner Silver Medal for Urban Excellence.

Park East Freeway Reconstruction – Knapp Street Lift Bridge, Milwaukee, WI – Project Manager and Engineer. Preliminary layout analysis and design for the Knapp Street Lift Bridge over the Milwaukee River. Preliminary bridge plans, all documentation for SSR submittal. Final bridge design for abutments, approach fixed spans, sheet piling and deadmen, riverwalk structures and three retaining walls, horizontal and vertical alignment, special aesthetic features design and preparation of all PS&E documentation.

6th Street Viaduct – Post Office Bridge, Milwaukee, WI – Project Manager and Engineer, preliminary layout and design for the Post Office Bridge and its connection to the 6th Street Viaduct. Preliminary and final bridge plans, coordination with design team, contractor & utilities for Design Build Project.

I-894 Rehabilitation, Milwaukee, WI – Project Manager and Engineer. Responsibilities included preliminary and final design for the several Bridge and Cantilevered Sign Structures and five bridge overlays, design team coordination and final plans and documentation production.

Cass Street Bridge, USH 14/61/STH 16 Mississippi River Crossing, La Crosse, WI – Project Manager and Engineer. Responsibilities included preliminary and final design for the several Retaining Wall and Bridge Abutment structures, horizontal and vertical alignment, design calculations, detailing, design team coordination and final plans and documentation production.

USH 151 and STH 26 Interchange, Fond du Lac, WI – Project Manager and Engineer. Responsibilities included preliminary and final design for the several Bridge Sign Structures, design team coordination and final plans and documentation production.

Mukwonago Bypass Bay View Road Bridge over Mukwonago River, Mukwonago, WI – Project Manager and Engineer. Responsibilities included preliminary and final design, detailing and plan preparation, all documentation for SSR submittal, final bridge design computations and plans, special aesthetic features design and preparation of all PS&E documentation.

Milwaukee to Green Bay North Interchange USH 41/45, STH 100 and West Park Place Reconstruction, Milwaukee/Waukesha, WI – Project Manager and Engineer. Responsibilities included preliminary and final design for the several Retaining Walls and Box Culvert structures, horizontal and vertical alignment, design calculations, detailing, design team coordination and final plans and documentation production.

CTH U, South 76th Street Bridge over Forest Home Avenue, Milwaukee, WI – Project Manager and Engineer. Structural plans and structure survey report for deck overlay and bridge rehabilitation.

Lincoln Creek Retaining Walls (Lincoln Creek Flood Control Project), Milwaukee, WI – Project Manager and Engineer. Preliminary and final design for the over 10,000 feet of Retaining Walls. Horizontal and vertical alignment, design calculations, design team coordination and final plans and documentation production.

STH 13 Bridge over White River – Project Manager and Engineer. Responsibilities included preliminary and final design, detailing and all PS&E documents preparation.

I-43, West Walworth County Line to STH 50 Bridge Deck Overlays – Project Manager and Engineer. Roadway and structural design and plan preparation for two bridges and approach roadway.

35th Street Bridge over Lincoln Creek (Lincoln Creek Flood Control Project) – Project Manager and Engineer. Bridge inspection, instrumental monitoring and analysis.

USH 41 SB – STH 175 Bridge over Mill Road – Project Manager and Engineer. Structural calculations, geometry, preliminary and final plans and structure survey report for bridge rehabilitation.

STH 60–Juneau Road, STH 115 Dodge County – Project Manager and Engineer. Hydrology / Hydraulics Report, culvert size calculation, structural design, preliminary and final plans for the two culverts.

West Good Hope Road (CTH PP) over Milwaukee River Four Bridges Rehabilitation – Lead Structural Engineer. Responsibilities included in-depth inspection of the bridges, full structural analysis of all bridge elements, preparation of Rehabilitation Report and recommendations.

USH 45 Reconstruction, South & North Bound – Project Manager and Engineer. Responsibilities included preliminary and final design for the several Bridge and Cantilevered Sign Structures, design team coordination and final plans and documentation production.

Two Box Culverts for the Milwaukee Brewers Ballpark (Miller Park) – Project Engineer. Infrastructure Project. Responsibilities included preliminary and final design for the 1,500-ft and 1,750 ft two Box Culverts structures, horizontal and vertical alignment, design calculations, detailing, design team and agencies coordination and final plans and documentation production.

South 116th Street Single-Span 50' Flat Slab Structure over Root River – Project Engineer. Responsibilities included preliminary and final bridge design, detailing, special aesthetic features design and preparation of all PS&E documentation.

West Morgan Double-Span (33'-10" and 42'-2") Haunched Slab Bridge over Root River – Project Engineer. Responsibilities included preliminary and final bridge design, horizontal and vertical alignment, special aesthetic features design and preparation of all PS&E documentation.

CTH G (Racine County) Three-Continuous-Span Bridge (66' each) over Root River, 45" Prestressed Girders – Project Engineer. Responsibilities included preliminary and final bridge design, detailing and preparation of all PS&E documentation.

South 92nd Street Bridge over Tess Corners Creek – Project Engineer. Single-span (38'), flat slab structure. Responsibilities included horizontal and vertical alignment, design calculations, detailing, special aesthetic design and preparation of all PS&E documentation.

CTH "G" and CTH "FW"(Dodge County) Three-Continuous-Span Bridges over C&NWT Co. Railroad – Project Engineer. Project included realignment, design and reconstruction of the several hundreds feet of approach roadway. Responsibilities included field survey, location study, preliminary and final design, detailing, preparation of all PS&E documentation.

131' Single-Span Bridge with Post-Tensioned Beams for Stonebridge Country Club – Design Engineer. Responsibilities included preliminary design.

STH 11 Bridge over Rock River (City of Janesville) – 4 span (61'+2x77'+61')-W27 rolled steel beams. Design Engineer. Responsibilities included preliminary and final bridge design, design calculations, detailing, and preparation of all PS&E documentation.

I-90 N.B. Off-Ramp Bridge for Badger Interchange, Dane County, Wisconsin – High level, horizontally and vertically curved, 4 continuous span bridge (spans 92', 117', 106', 73'), 48" steel plate girders. Design Engineer. Responsibilities included final bridge design, horizontal and vertical alignment, design calculations and detailing.

Bender Road Bridge over Milwaukee River, Milwaukee, Wisconsin – 3 continuous span (85' each) concrete bridge, 45" prestressed girders. Design Engineer. Responsibilities included preliminary and final bridge design, design calculations and detailing.

Lake Parkway Retaining Walls, Milwaukee, Wisconsin – Pile footing and tieback retaining walls adjacent to tunnel. Design Engineer. Responsibilities included design calculations, detailing, and preparation of PS&E documentation.

Elizabeth Avenue Pedestrian Bridge over STH 794 and Railroad – 3 continuous span (length 113', 151', 93') steel bridge, 45" welded plate girders. Design Engineer. Responsibilities included preliminary bridge design, horizontal and vertical alignment, design calculations.

Lake Parkway Four Bridges over Local, Streets, Milwaukee, Wisconsin – Design Engineer. Responsibilities included preliminary and final bridge design, design calculations, detailing, and preparation of PS&E documentation for:

Russell Avenue – 70' single span bridge, W33 rolled steel beams.

Pryor Avenue – 70' single span bridge, W33 rolled steel beams.

Kinnickinnic Avenue – 112' single span steel bridge, 48" welded girders.

Oklahoma Avenue – 120' single span bridge, 48" steel plate welded girders.

Carferry Drive Three-Continuous-Double-Span (112' and 120') Bridges – 39" welded plate girders. Design Engineer. Responsibilities included preliminary and final bridge design, horizontal and vertical alignment, design calculations, detailing, and preparation of PS&E documentation.

Four-Continuous-Span Bridge over Dniester River, Chernivtsy, Ukraine – Project Manager/Engineer. Responsibilities included field survey, preliminary and final bridge design, horizontal and vertical alignment, design calculations, detailing, and preparation of all final plans and documents.

Three-Continuous-Span (Steel) Bridge over Railroad Chernivtsy-Kolomya, Ukraine – Project Manager/Engineer. Responsibilities included field survey, preliminary and final bridge design, horizontal and vertical alignment and design calculations.

Single Span Steel Bridges over Highways: Chernivtsy-Kishinev, Ukraine and Chernivtsy-Lviv, Ukraine – Project Engineer. Responsibilities included field survey, preliminary and final bridge design, horizontal and vertical alignment, design calculations, detailing, and preparation of all final plans and documents.

Three-Continuous-Span Highway Bridge over Prut River, Ukraine – Project Engineer. Responsibilities included preliminary and final bridge design, horizontal and vertical alignment, design calculations, detailing, and preparation of all final plans and documents.

Railroad Bridge Design

Project Manager/Engineer for the Department of Transportation of Bukovina Bridge design and inspection program. Responsibilities included field survey, preliminary and final bridge design, horizontal and vertical alignment, design calculations, detailing and preparation of documents. Experience with railroad structures includes:

- Single-Span Bridge over Streets: Sevastopolska, Sadgirska, Rabocha – Project Engineer.
- Single-Span Bridge over Cheremosh River – Project Engineer.
- 13 Single-Span Railroad Bridges over Small Rivers – Project Engineer.

Construction Management

Cemetery Access Road over I-94, Milwaukee Wisconsin
Bluemound Road over USH 41, Milwaukee, Wisconsin
GTC Olson Parking Lot Construction, Glendale, Wisconsin
East Silver Spring Reconstruction, Milwaukee, Wisconsin
Badger Truck Parking Lot Construction, Milwaukee, Wisconsin
Berghammer Building Construction
CTH G and FW, Racine County, Wisconsin
Replacement of three continuous-span bridges over C & NWT Co. Railroad
South 116th Street Bridge over Root River, West Allis, Wisconsin
West Morgan Avenue Bridge over Root River, West Allis, Wisconsin
South 92nd Street Bridge over Tess Corners Creek, Greendale, Wisconsin
STH 11 Bridge over Rock River, City of Janesville, Wisconsin

Roadway Design

CTH G Project, Dodge County, Wisconsin – Project Engineer. Responsibilities included preliminary and final design for reconstruction of 2089 ft. of CTH G and preparation of PS&E documentation.

CTH FW Project, Dodge County, Wisconsin – Project Engineer. Responsibilities included field survey, location study, realignment, preliminary and final design for reconstruction of 1,665 ft. of CTH FW and interchange with CTH CF and C&N.W.T Co. Railroad. Responsible for preparation of PS&E documentation.

CTH G Project, Racine County, Wisconsin – Project Engineer. Responsibilities included preliminary and final design for reconstruction of 584 ft. of CTH G, and preparation of all PS&E documentation.

US Highway 94 and Interchange with CTH 164 Project, Waukesha County, Wisconsin – Design Engineer. Responsibilities included preliminary design, horizontal and vertical alignment, cross sections and preparation of PS&E documentation.