



COVER SHEET

(This must accompany your firm's letter of interest and does not count in the page limit)

Firm's Full Legal
Name:

Hutchison Engineering, Inc.

Firm Contact Name:

Michael J. Purol, PE

Contact Email
Address:

mpurol@hutchisoneng.com

Firm's Mailing Address:

8965 Highway 36

Hannibal, MO 63401

Work Category:

- Roadway Design
- Trails & Sidewalks
- Construction Inspection
- Traffic Engineering & TEAP
- Structures
- Environmental
- Historic Preservation
- Multimodal Planning / Systems and Facilities Design
- Transportation Planning – **NEW CATEGORY**

Missouri Department of Transportation
115 West Capitol Avenue, PO Box 270
Jefferson City, MO 65105

Re: On-Call Professional Services for Structures

GENERAL EXPERIENCE OF FIRM:

With an 80-year history focusing on transportation engineering, Hutchison Engineering, Inc. (HEI) has a well-established project approach that we will apply to your project. Our company brochure proudly highlights the expertise of our Missouri-based team, showcasing their commitment to excellence and innovation. In addition, it features a diverse portfolio of completed projects that reflect our technical capabilities and proven track record in delivering high-quality civil engineering solutions.

Hutchison Engineering, Inc.

Michael Purol, PE | 8965 Highway 36, Suite 4, Hannibal, MO 63401 | O: (573) 240-9577 |
E: mpurol@hutchisoneng.com

QUALIFICATIONS OF PERSONNEL ASSIGNED:

A vast majority of our clients, and continuous focus, is on DOT's, municipalities, and county highway departments. Because of this longstanding focus, we have a thorough understanding of transportation policies and funding and DOT/FHWA design and construction inspection policies and procedures.

HEI is committed to developing a highly qualified team to work with MoDOT staff to deliver successful structural improvement projects.



Michael Purol, PE | Client Liaison

Mr. Michael Purol, PE., who serves HEI as the company's Director of Operations - Missouri, will serve as the Client Liaison for your project. Mr. Purol has experience in Project delivery, Special traffic studies, detailed plans, specifications, estimate development, and contract management.



Thomas Winkelman, PE | Project Manager

Mr. Winkelman has an extensive background in local and state government transportation funding, and firsthand knowledge of roads and bridges. He has been involved in materials and research, programming, planning and specifications, and construction.



Matt Walker, PE | Structural Engineer

Mr. Matt Walker, PE, will serve as the Design Engineer for this project. Mr. Walker has served as a Project/Design Engineer on transportation projects for 15 years. Mr. Walker has extensive experience with the planning and design process for roadway and bridge projects. His experience includes development of detailed plans, specifications, and estimates.

Previous experience includes Project Engineer/Engineer of Record for more than 50 LPA structures including City of Hannibal and Marion County Bridges highlighted below.



Benjamin Nebel, PE, SE | Structural Engineer

Mr. Nebel has experience in the design and review of structure replacement and rehabilitation projects. He started his career with the Illinois DOT in the Bureau of Bridges reviewing consultant prepared plans for bridge rehabilitation. Ben coordinates all of the complex Illinois DOT structure projects and the more complex local agency structure projects. He has also completed the hydraulic analysis on several hundred structure replacement projects.

PAST PERFORMANCE:

IL 143 over Shoal Creek Bridge Replacement | Bond County

HEI was selected by IDOT to provide engineering services for this \$7 million bridge replacement project on IL 143 over Shoal Creek in Bond County. The project consisted of reconstructing approximately ¼ mile of IL 143 including raising the roadway profile by 5' and replacing the existing structure with a 9-span, 1352' long, and 35' wide structure.



The project included bridge removal, solid wall piers with pile foundations, pile supported stub abutments, HLMR bearings, 54" steel composite plate girders, finger plate joints, cast-in-place, reinforced concrete deck, reinforced concrete parapets, guardrail, riprap, roadway removal, embankment, and HMA Pavement.

Reference: Annie Prothro, PE, Project Studies Engineer, 618-346-3161, Annie.Prothro@illinois.gov

US Highway 67 over Illinois River | Beardstown, IL

HEI was selected by IDOT to provide engineering design services for the replacement of the structure carrying U.S. Highway 67 over the Illinois River at Beardstown. U.S. Highway 67 is a Class II truck route and classified as an other Principal Arterial with an ADT of 5,900.



Tasked with designing the western approach spans over Curry Lake and up to the main river spans. Our portion of the design includes 2,044-ft of 82-inch continuous steel plate girder superstructure with a reinforced concrete deck and parapets. Our design also includes ten reinforced concrete drilled shaft piers ranging in height from 116-ft to 156-ft from top of rock to bridge deck. Each pier consists of four drilled shafts and concrete columns at 4.5-ft in diameter. This design also included a complete multi-modal seismic analysis and significant analysis for wind loading during construction.

Reference: Stan Hanson, Executive Vice President, 217-787-8050, shansen@cmtengr.com

CH 20 over Quiver Creek | Mason County, IL

Preliminary engineering services for the replacement of the bridge carrying CH 20 over Quiver Creek. This project was funded with Illinois Special Bridge Program funds and Highway Safety Improvement Program funds. The new structure consists of a three span, curved, steel plate girder superstructure, with a reinforced concrete deck on concrete stub abutments and fully encased concrete pile bent piers. The structure is 195 feet long and 37 feet wide with a 30 degree skew in addition to the curvature.



Reference: Nick Peplow, PE, County Engineer, 309-543-3253, npeplow@masoncountyiil.gov

CH 23 Over Vermilion River | LaSalle County, IL

Provide preliminary engineering services for the replacement of the bridge carrying CH 23 (Ed Hand Highway) over the Vermilion River. The existing bridge was a 356 foot long, three span, continuous steel deck truss, which was considered to be a historic structure type. The new bridge is a three span, steel plate girder superstructure, on concrete spill thru pile bent abutments and drilled shaft piers. The bridge is 394 feet long and 34 feet wide including five foot shoulders to provide bicycle accommodations.



Reference: Don Ernat, County Engineer, 815-434-0743, dernat@lasallecountyiil.gov

Michael and Matt have been working on county bridges for over 15 years, successfully completed more than 100 projects.

GASCONADE COUNTY

County Road Frene Creek over Tributary of Freen Creek

50' Steel Girder and Deck #0090002

Drake School Road over Tributary of Barren Fork Creek

87' Precast Girder and Deck #03600201

Bowen Cemetery Road over Bourbeuse River

208' Precast Girder and Deck #2000007

Tea Road over Tributary of Bourbeuse River

63' Precast Girder and Deck #15000221

Brick Church Road over Cedar Creek

67' Reinforced Concrete #07400231

LAFAYETTE COUNTY

County Curtis Road over East Fork of Sni-A-Bar Creek

99' Steel Girder and Deck #44300101

County Road Johnson Drive over Little Sni-A-Bar

96' Steel Girder and Deck #09600041

MACON COUNTY

County Road Nature Avenue over Middle Fork Salt River

104' Precast Girder and Deck #52600051

MONROE COUNTY

County Road 591 over Little Indian Creek

46' Precast Deck Beam, #50700041

County Road 831 over Long Branch Creek

95' Precast Girder and Deck, #07000131

County Road 840 over Bee Creek

50' Steel Beam and Deck, #05300071

FAMILIARITY/CAPABILITY:

While relatively new to Missouri our team has completed hundreds of State and Federal transportation projects utilizing Federal funding and standards. HEI opened our Missouri Office in 2023 and hired additional staff with decades of MoDOT and LPA experience. In 2025 HEI staff completed final plans specifications and estimates for the 7 LPA's, as well as provided services for MoDOT NE District – Design Division, and Construction Division. Additional work completed by staff prior to joining HEI includes design and construction services for LPA's located in the NE, NW, KC, SW, and Central MoDOT Districts. These projects include locally funded, BRO, TEAP, TAP, FLAP and BEAP projects.

ACCESSIBILITY:

Michael Purol, PE is the Client Liaison for all MoDOT projects. Michael service as our Director of Operations - Missouri and works out of our Missouri office. HEI understands our clients have lots of responsibilities, and we need to be available on short notice. To facilitate this, Matt Walker, PE and Nolan Nicholes will be available to take questions or requests from LPS Clients. Matt Walker, PE will be the Project Manager for all LPA project and is responsible for design details. Nolan Nicholes, LCDR (US Navy – retired) is responsible for all construction observation and material testing activities.

Hutchison Engineering, Inc.



Michael J. Purol, PE - Director of Operations - Missouri

County Road 1039 over Milligan Creek

112' Precast Girder and Deck, #11300051

Board Lane Rd over Otter Creek

77' Precast Girder and Deck, #58900081

County Road 117 over Flat Creek

100' Steel Girder and Deck, #35300151

RAY COUNTY

County Road 112 over Crooked River

186' Precast Girder and Deck #24800081

County Road East 230th Street over East Fork Crooked River

93' Precast Girder and Deck #06300201

SHELBY COUNTY

County Road 523 Over Otter Creek

47' Steel Girder and Deck #36700011

County Road 342 over Black Creek

100' Precast Girder and Deck #32100121

County Road 227 over Black Creek

92' Precast Deck Girder #17100181

County Road 214 over North River

123' Precast Girder and Deck #21400031

SULLIVAN COUNTY

County Road Jester Road over Tributary to Locust Creek

179' Steel Girder and Deck #04100181

County Road Joiner Road over Locust Creek

139' Precast Girder and Deck #0480014

WARREN COUNTY

Massas Creek Road over Massas Creek

50' Steel Girder with Deck #05700201



Founded in 1945, Hutchison Engineering, Inc. is a full service civil engineering/architectural firm that serves clients throughout Illinois, Iowa, Missouri, and Wisconsin.



Primary Contact:

Michael Purol, PE
mpurol@hutchisoneng.com



Established:

1945



Employees:

135+



Office to Perform Work:

8965 Highway 36, Ste 5
Hannibal, MO 63401



PE Corporation #2019011819 | Land Survey Corporation #2023044460

Landscape Architecture Corporation #2025025140 | Architectural Corporation #2023029931

CONSTRUCTION SERVICES

- On-site construction inspection
- Construction/materials Documentation
- Materials testing

MUNICIPAL FACILITIES

- Motor Fuel Tax Programs
- Capital Improvement Programs
- Fleet Management

SURVEY SERVICES

- Topographic Surveys
- Hydraulic Surveys
- Boundary & ALTA Surveys
- Plats & Legal Descriptions

DESIGN SERVICES

- Rural Roadway
- Urban Streets
- Landscape Architecture
- Freeway/Expressway
- Interchange
- Intersection/Roundabout
- Traffic Signals
- Bridges
- Culverts
- Retaining Walls
- Bike Trails/Paths
- Sites
- Storm Water Systems
- Water Distribution Systems
- Sanitary Sewer Collection Systems
- Utility Coordination
- Environmental Coordination
- Railroad Coordination

ARCHITECTURAL SERVICES

- Architectural design/documentation
- Interior architecture/documentation
- Space needs analysis
- Facility and site master planning
- Site selection, site utilization studies, zoning processes
- Feasibility studies, including cost benefit analysis
- Design-Build bridging documents
- Design-Bid-Build documents
- Sustainable design/LEED documentation
- Contract monitoring on-site construction observation, full-time on-site representation
- Historic Preservation Tax credit application submittal, planning, documentation, reports, and design
- Building Code analysis



At HEI, we understand the importance of quality project management and how critical project management is to maintaining long-term relationships with our clients. We understand that each project/client is unique and requires special attention based on their needs. Our project managers work closely with our clients' staff to ensure that all project needs are met, use our experience to effectively coordinate with them to keep projects on schedule, and provide technical expertise during each phase of the project. In addition, our project engineers are widely respected for their ability to communicate effectively with all stakeholders to facilitate timely decisions and quick resolutions to issues. They enjoy the interaction with clients, city councils, project stakeholders, and contractors, and use this passion and experience to ensure that projects stay on schedule and within budget. We value our relationships with all of our clients regardless of the type or size of project. We strive to not only complete projects but to build career-long relationships based on trust and respect. Our goal is to be an extension of your staff so that the relationship between your staff and our staff is seamless.

HEI Team

Team is the most important in selecting a job. Successful projects are the result of careful planning and the combined talent and collaboration among team members. The project team below has experience working on all projects in the category descriptions projects.



Michael Purol, PE
Director of Operations - Missouri

25 Years Experience

BSCE - University of Missouri
Rolla



James Burke, PE
Ex Vice President - Project Manager

34 Years Experience

BSCE - Bradley University
MBA - University of Illinois



Thomas Winkelman, PE
Vice President - Project Manager

25 Years Experience

BSCE - University of Missouri
Rolla



Dan Draper, PE
Design Project Manager

39 Years Experience

BSCE - University of Illinois



Ben Nebel, PE, SE
Structural Engineer

27 Years Experience

*BSCE - University of Illinois-
Urbana Champaign*

Matthew Walker, PE
Project Engineer

16 Years Experience

*BSCE - University of Missouri
Columbia*

Jason Wheeler, PE
Construction Manager

25 Years Experience

*BSCE - University of Missouri
Rolla*

Nolan Nichols
Senior Technician

17 Years Experience

*BA - Columbia College Missouri
Rolla*

Experience

Roadway Design | Utility Coordination

Our transportation design team has the ability to manage transportation design projects from feasibility study to final bid documents. Our team's capabilities include field survey, environmental coordination, utility coordination including subsurface utility exploration, public involvement, traffic studies, drainage design, green infrastructure design, traffic signal design, guardrail design, pavement design, roadway design,



intersection design, and plat development. Our team routinely completes transportation design for reconstruction and rehabilitation projects for DOTs, counties, and municipalities including the following types of projects.

- *Expressway/Freeway*
- *Interchange*
- *Rural Roadway*
- *Urban Street*
- *Shared Use Path*
- *Sidewalk*
- *Intersection/Roundabout*



Experience

Structural

Our structural design team has the ability to manage a structure design project from initial inspection to final bid documents. Our team routinely completes projects for DOTs, municipalities, and county highway departments. With a team of structural engineers and design technicians covering four states, we have the experience and capacity to deliver complex structural projects on time and within budget.



- Bridge Condition Reports
- Bridge Type Studies
- Bridge Rehabilitation/Replacement Design
- Retaining Wall Selection & Design
- Culvert Type Selection Design
- Structure Inspection
- Modular Block Retaining Walls
- Steel Girder/Cast-in-Place
- Precast Prestressed Deck Beam Bridges
- Cast-in-Place & Precast Box Culverts

Construction Services

Our Construction Material Testing and Inspection team has the ability to manage and inspect projects associated with the construction of new and/or modified structures and travel ways. HEI has the professional and technical staff, equipment, material and other items necessary for inspection, testing and administering projects. Our staff is certified according to Division 10 of the Coe of State Regulation, Technical Certification Program.



- Interstate Reconstruction
- Urban Street Reconstruction/ Streetscaping
- Rural Roadway Reconstruction
- Road Realignment
- Water/Wastewater System Replacements
- Site Development
- Utility Coordination
- Railroad Coordination